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MINISTERO DELL'INTERNO

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Divisione Manutenzioni
Servizio Edilizia Residenziale Pubblica e per il Sociale

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PROGETTO ESECUTIVO STRUTTURALE

Elaborato	Allegato di calcolo opere strutturali

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incaricato con Determinazione Dirigenziale atto. n. DD6462 del 12 dicembre 2022

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ALLEGATO DI CALCOLO

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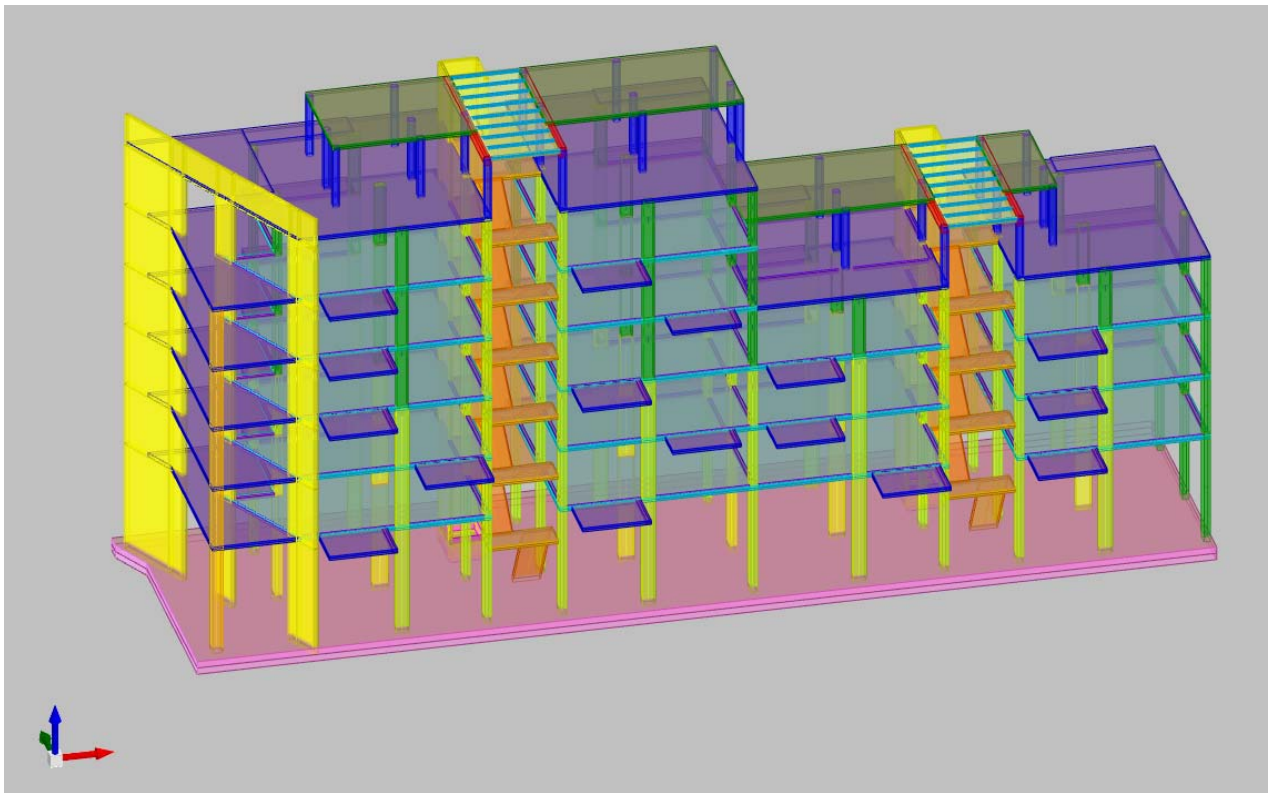
1 Rappresentazione generale dell'edificio



Vista assonometrica dell'edificio nella sua interezza

2 Normative

D.M. 17-01-18
Norme Tecniche per le Costruzioni

Circolare 7 21-01-19 C.S.LL.PP
Istruzioni per l'applicazione dell'Aggiornamento delle N.T.C. di cui al decreto ministeriale 17 gennaio 2018.

Eurocodici
EN 1995-1-1:2004 +AC:2006 + A1:2008 + A2:2014
ETA-03/0050
ETA-07/0086
ETA-08/0147

3 Descrizione del software

Descrizione del programma Sismicad

Si tratta di un programma di calcolo strutturale che nella versione più estesa è dedicato al progetto e verifica degli elementi in cemento armato, acciaio, muratura e legno di opere civili.
Il programma utilizza come analizzatore e solutore del modello strutturale un proprio solutore agli elementi finiti tridimensionale fornito col pacchetto. Il programma è sostanzialmente diviso in tre moduli:
- un pre processore che consente l'introduzione della geometria e dei carichi e crea il file dati di input al solutore;
- il solutore agli elementi finiti;
- un post processore che a soluzione avvenuta elabora i risultati eseguendo il progetto e la verifica delle membrature e producendo i grafici ed i tabulati di output.

Specifiche tecniche

Denominazione del software: Sismicad 12.21
Produttore del software: Concrete
Concrete srl, via della Pieve, 19, 35121 PADOVA - Italy
http://www.concrete.it
Rivenditore: CONCRETE SRL - Via della Pieve 19 - 35121 Padova - tel.049-8754720
Versione: 12.21
Identificatore licenza: SW-55823
Intestatario della licenza: Mediapolis Engineering - S.r.l. Piazza Maria Teresa, 7 - Torino
Versione regolarmente licenziata

Schematizzazione strutturale e criteri di calcolo delle sollecitazioni

Il programma schematizza la struttura attraverso l'introduzione nell'ordine di fondazioni, poste anche a quote diverse, platee, platee nervate, plinti e travi di fondazione poggianti tutte su suolo elastico alla Winkler, di elementi verticali, pilastri e pareti in c.a. anche con fori, di orizzontamenti costituiti da solai orizzontali e inclinati (falde), e relative travi di piano e di falda; è ammessa anche l'introduzione di elementi prismatici in c.a. di interpiano con possibilità di collegamento in inclinato a solai posti a quote diverse.
I nodi strutturali possono essere connessi solo a travi, pilastri e pareti, simulando così impalcati infinitamente deformabili nel piano, oppure a elementi lastra di spessore dichiarato dall'utente simulando in tal modo impalcati a rigidezza finita. I nodi appartenenti agli impalcati orizzontali possono essere connessi rigidamente ad uno o più nodi principali giacenti nel piano dell'impalcato; generalmente un nodo principale coincide con il baricentro delle masse. Tale opzione, oltre a ridurre significativamente i tempi di elaborazione, elimina le approssimazioni numeriche connesse all'utilizzo di elementi lastra quando si richiede l'analisi a impalcati infinitamente rigidi.
Per quanto concerne i carichi, in fase di immissione dati, vengono definite, in numero a scelta dell'utente, condizioni di carico elementari le quali, in aggiunta alle azioni sismiche e variazioni termiche, vengono combinate attraverso coefficienti moltiplicativi per fornire le combinazioni richieste per le verifiche successive. L'effetto di disassamento delle forze orizzontali, indotto ad esempio dai torcenti di piano per costruzioni in zona sismica, viene simulato attraverso l'introduzione di eccentricità planari aggiuntive le quali costituiscono ulteriori condizioni elementari di carico da cumulare e combinare secondo i criteri del paragrafo precedente.
Tipologicamente sono ammessi sulle travi e sulle pareti carichi uniformemente distribuiti e carichi trapezoidali;lungo le aste e nei nodi di incrocio delle membrature sono anche definibili componenti di forze e coppie concentrate comunque dirette nello spazio. Sono previste distribuzioni di temperatura, di intensità a scelta dell'utente, agenti anche su singole porzioni di struttura.
Il calcolo delle sollecitazioni si basa sulle seguenti ipotesi e modalità:
- travi e pilastri deformabili a sforzo normale, flessione deviata, taglio deviato e momento torcente. Sono previsti coefficienti riduttivi dei momenti di inerzia a scelta dell'utente per considerare la riduzione della rigidezza flessionale e torsionale per effetto della fessurazione del conglomerato cementizio. E' previsto un moltiplicatore della rigidezza assiale dei pilastri per considerare, se pure in modo approssimato, l'accorciamento dei pilastri per sforzo normale durante la costruzione;
- le travi di fondazione su suolo alla Winkler sono risolte in forma chiusa tramite uno specifico elemento finito;
- le pareti in c.a. sono analizzate schematizzandole come elementi lastra-piastra discretizzati con passo massimo assegnato in fase di immissione dati;
- le pareti in muratura possono essere schematizzate con elementi lastra-piastra con spessore flessionale ridotto rispetto allo spessore membranale;
- i plinti su suolo alla Winkler sono modellati con la introduzione di molle verticali elastoplastiche. La traslazione orizzontale a scelta dell'utente è bloccata o gestita da molle orizzontali di modulo di reazione proporzionale al verticale;
- i pali sono modellati suddividendo l'asta in più aste immerse in terreni di stratigrafia definita dall'utente. Nei nodi di divisione tra le aste vengono inserite molle assialsimmetriche elastoplastiche precaricate dalla spinta a riposo che hanno come pressione limite minima la spinta attiva e come pressione limite massima la spinta passiva modificabile attraverso opportuni coefficienti;
- i plinti su pali sono modellati attraverso aste di di rigidezza elevata che collegano un punto della struttura in elevazione con le aste che simulano la presenza dei pali;
- le piastre sono discretizzate in un numero finito di elementi lastra-piastra con passo massimo assegnato in fase di immissione dati; nel caso di platee di fondazione i nodi sono collegati al suolo da molle aventi rigidezze alla traslazione verticale ed richiesta anche orizzontale;
- la deformabilità nel proprio piano di piani dichiarati non infinitamente rigidi e di falde (piani inclinati) può essere controllata attraverso la introduzione di elementi membranali nelle zone di solaio;
- i disassamenti tra elementi asta sono gestiti automaticamente dal programma attraverso la introduzione di collegamenti rigidi locali;
- alle estremità di elementi asta è possibile inserire svincolamenti tradizionali così come cerniere parziali (che trasmettono una quota di ciò che trasmetterebbero in condizioni di collegamento rigido) o cerniere plastiche;
- alle estremità di elementi bidimensionali è possibile inserire svincolamenti con cerniere parziali del momento flettente avente come asse il bordo dell'elemento;
- il calcolo degli effetti del sisma è condotto, a scelta dell'utente, con analisi statica lineare, con analisi dinamica modale o con analisi statica non lineare, in accordo alle varie normative adottate. Le masse, nel caso di impalcati dichiarati rigidi sono concentrate nei nodi principali di piano altrimenti vengono considerate diffuse nei nodi giacenti sull'impalcato stesso. Nel caso di analisi sismica vengono anche controllati gli spostamenti di interpiano.

Verifiche delle membrature in cemento armato

Nel caso più generale le verifiche degli elementi in c.a. possono essere condotte col metodo delle tensioni ammissibili (D.M. 14-1-92) o agli stati limite in accordo al D.M. 09-01-96, al D.M. 14-01-08, al D.M. 17-01-18 o secondo Eurocodice 2.
Le travi sono progettate e verificate a flessione retta e taglio; a richiesta è possibile la verifica per le sei componenti della sollecitazione.
I pilastri ed i pali sono verificati per le sei componenti della sollecitazione.
Per gli elementi bidimensionali giacenti in un medesimo piano è disponibile la modalità di verifica che consente di analizzare lo stato di verifica nei singoli nodi degli elementi. Nelle verifiche (a presso flessione e punzonamento) è ammessa la introduzione dei momenti di calcolo modificati in base alle direttive

dell'EC2, Appendice A.2.8.
I plinti superficiali sono verificati assumendo lo schema statico di mensole con incastri posti a filo o in asse pilastro.
Gli ancoraggi delle armature delle membrature in c.a. sono calcolati sulla base della effettiva tensione normale che ogni barra assume nella sezione di verifica distinguendo le zone di ancoraggio in zone di buona o cattiva aderenza. In particolare il programma valuta la tensione normale che ciascuna barra può assumere in una sezione sviluppando l'aderenza sulla superficie cilindrica posta a sinistra o a destra della sezione considerata; se in una sezione una barra assume per effetto dell'aderenza una tensione normale minore di quella ammissibile, il suo contributo all'area complessiva viene ridotto dal programma nel rapporto tra la tensione normale che la barra può assumere per effetto dell'aderenza e quella ammissibile. Le verifiche sono effettuate a partire dalle aree di acciaio equivalenti così calcolate che vengono evidenziate in relazione.
A seguito di analisi inelastiche eseguite in accordo a OPCM 3431 o D.M. 14-01-08, al D.M. 17-01-18 vengono condotte verifiche di resistenza per i meccanismi fragili (nodi e taglio) e verifiche di deformabilità per i meccanismi duttili.

Verifiche delle membrature in acciaio

Le verifiche delle membrature in acciaio (solo per utenti Sismicad acciaio) possono essere condotte secondo CNR 10011 (stato limite o tensioni ammissibili), CNR 10022, D.M. 14-01-08, al D.M. 17-01-18 o Eurocodice 3.
Sono previste verifiche di resistenza e di instabilità.

4 Dati generali DB

4.1 Materiali

4.1.1 Materiali c.a.

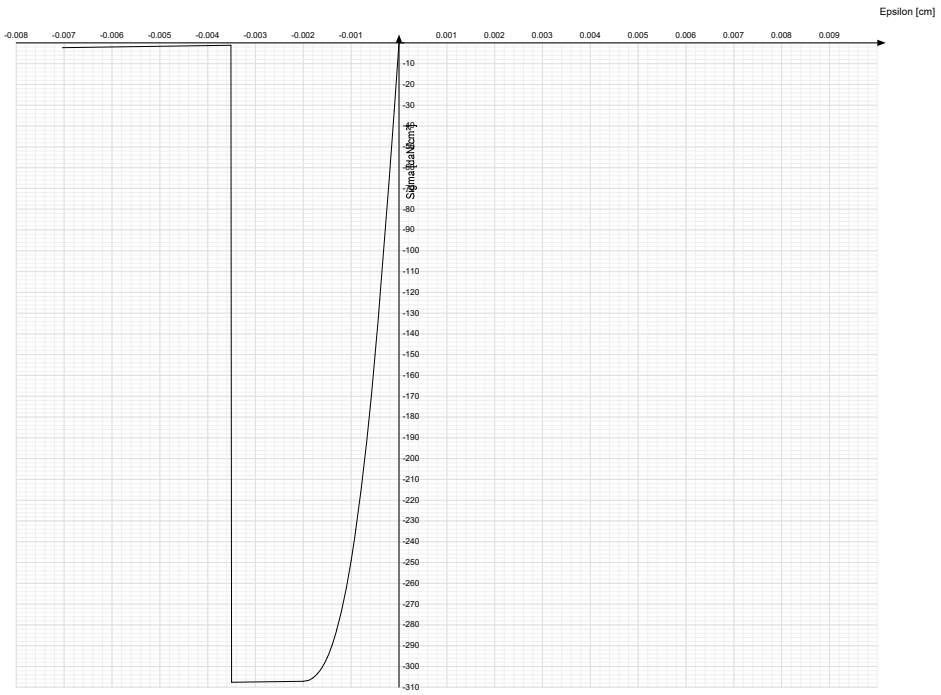
***Descrizione**: descrizione o nome assegnato all'elemento.*
***Rck**: resistenza caratteristica cubica; valore medio nel caso di edificio esistente. [daN/cm²]*
***E**: modulo di elasticità longitudinale del materiale per edifici o materiali nuovi. [daN/cm²]*
***G**: modulo di elasticità tangenziale del materiale, viene impiegato nella modellazione di aste e di elementi guscio a comportamento ortotropo. [daN/cm²]*
***v**: coefficiente di Poisson. Il valore è adimensionale.*
***γ**: peso specifico del materiale. [daN/cm³]*
***α**: coefficiente longitudinale di dilatazione termica. [°C-1]*

Descrizione	Rck	E	G	v	γ	α
C30/37	370	330194	Default (150088.34)	0.1	0.0025	0.00001

4.1.2 Curve di materiali c.a.

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Curva**: curva caratteristica.*
***Reaz.traz.**: reagisce a trazione.*
***Comp.frag.**: ha comportamento fragile.*
***E.compr.**: modulo di elasticità a compressione. [daN/cm²]*
***Incr.compr.**: incrudimento di compressione. Il valore è adimensionale.*
***EpsEc**: ε elastico a compressione. Il valore è adimensionale.*
***EpsUc**: ε ultimo a compressione. Il valore è adimensionale.*
***E.traz.**: modulo di elasticità a trazione. [daN/cm²]*
***Incr.traz.**: incrudimento di trazione. Il valore è adimensionale.*
***EpsEt**: ε elastico a trazione. Il valore è adimensionale.*
***EpsUt**: ε ultimo a trazione. Il valore è adimensionale.*

Descrizione	Curva									
	Reaz.traz.	Comp.frag.	E.compr.	Incr.compr.	EpsEc	EpsUc	E.traz.	Incr.traz.	EpsEt	EpsUt
C30/37	No	Si	330194.35	0.001	-0.002	-0.0035	330194.35	0.001	0.0000624	0.0000686



4.1.3 Armature

***Descrizione**: descrizione o nome assegnato all'elemento.*
***fyk**: resistenza caratteristica. [daN/cm²]*
***σamm.**: tensione ammissibile. [daN/cm²]*
***Tipo**: tipo di barra.*
***E**: modulo di elasticità longitudinale del materiale per edifici o materiali nuovi. [daN/cm²]*
***γ**: peso specifico del materiale. [daN/cm³]*
***v**: coefficiente di Poisson. Il valore è adimensionale.*

***α**: coefficiente longitudinale di dilatazione termica. [°C-1]*
***Livello di conoscenza**: indica se il materiale è nuovo o esistente, e in tal caso il livello di conoscenza secondo Circ.617 02/02/09 §C8A. Informazione impiegata solo in analisi D.M. 14-01-08 (N.T.C.) eD.M. 17-01-18 (N.T.C.).*

Descrizione	fyk	σamm.	Tipo	E	γ	v	α	Livello di conoscenza
B450C	4500	2550	Aderenza migliorata	2060000	0.00785	0.3	0.000012	Nuovo

4.1.4 Acciai

4.1.4.1 Proprietà acciai base

***Descrizione**: descrizione o nome assegnato all'elemento.*
***E**: modulo di elasticità longitudinale del materiale per edifici o materiali nuovi. [daN/cm²]*
***G**: modulo di elasticità tangenziale del materiale, viene impiegato nella modellazione di aste e di elementi guscio a comportamento ortotropo. [daN/cm²]*
***v**: coefficiente di Poisson. Il valore è adimensionale.*
***γ**: peso specifico del materiale. [daN/cm³]*
***α**: coefficiente longitudinale di dilatazione termica. [°C-1]*

Descrizione	E	G	v	γ	α
S235	2100000	Default (807692.31)	0.3	0.00785	0.000012

4.1.4.2 Proprietà acciai CNR 10011

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Tipo**: descrizione per norma.*
***fy(s<=40 mm)**: resistenza di snervamento fy per spessori <=40 mm. [daN/cm²]*
***fy(s>40 mm)**: resistenza di snervamento fy per spessori >40 mm. [daN/cm²]*
***fu(s<=40 mm)**: resistenza di rottura per trazione fu per spessori <=40 mm. [daN/cm²]*
***fu(s>40 mm)**: resistenza di rottura per trazione fu per spessori >40 mm. [daN/cm²]*
***Prosp. Omega**: prospetto per coefficienti Omega.*
***σ amm.(s<=40 mm)**: σ ammissibile per spessori <=40 mm. [daN/cm²]*
***σ amm.(s>40 mm)**: σ ammissibile per spessori >40 mm. [daN/cm²]*
***fd(s<=40 mm)**: resistenza di progetto fd per spessori <=40 mm. [daN/cm²]*
***fd(s>40 mm)**: resistenza di progetto fd per spessori >40 mm. [daN/cm²]*

Descrizione	Tipo	fy(s<=40 mm)	fy(s>40 mm)	fu(s<=40 mm)	fu(s>40 mm)	Prosp. Omega	σ amm.(s<=40 mm)	σ amm.(s>40 mm)	fd(s<=40 mm)	fd(s>40 mm)
S235	FE360	2350	2150	3600	3400	II	1600	1400	2350	2100

4.1.4.3 Proprietà acciai CNR 10022

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Tipo**: descrizione per norma.*
***fy**: resistenza di snervamento fy. [daN/cm²]*
***fu**: resistenza di rottura fu. [daN/cm²]*
***fd**: resistenza di progetto fd. [daN/cm²]*
***Prospetto omega sag.fr.(s<3mm)**: prospetto coeff. omega per spessori < 3 mm.*
***Prospetto omega sag.fr.(s>=3mm)**: prospetto coeff. omega per spessori >= 3 mm.*
***Prospetti σ crit. Eulero**: prospetti σ critiche euleriane.*

Descrizione	Tipo	fy	fu	fd	Prospetto omega sag.fr.(s<3mm)	Prospetto omega sag.fr.(s>=3mm)	Prospetti σ crit. Eulero
S235	FE360	2350	3600	2350	b	c	I

4.1.4.4 Proprietà acciai EC3/DM08/DM18

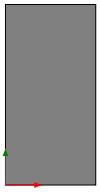
***Descrizione**: descrizione o nome assegnato all'elemento.*
***Tipo**: descrizione per norma.*
***fy(s<=40 mm)**: resistenza di snervamento fy per spessori <=40 mm. [daN/cm²]*
***fy(s>40 mm)**: resistenza di snervamento fy per spessori >40 mm. [daN/cm²]*
***fu(s<=40 mm)**: resistenza di rottura per trazione fu per spessori <=40 mm. [daN/cm²]*
***fu(s>40 mm)**: resistenza di rottura per trazione fu per spessori >40 mm. [daN/cm²]*

Descrizione	Tipo	fy(s<=40 mm)	fy(s>40 mm)	fu(s<=40 mm)	fu(s>40 mm)
S235	S235	2350	2150	3600	3600

4.2 Sezioni

4.2.1 Sezioni C.A.

4.2.1.1 Sezioni rettangolari C.A.



***Descrizione**: descrizione o nome assegnato all'elemento.*
***Area Tx FEM**: area di taglio in direzione X per l'analisi FEM. [cm²]*
***Area Ty FEM**: area di taglio in direzione Y per l'analisi FEM. [cm²]*
***JxFEM**: momento di inerzia attorno all'asse X per l'analisi FEM. [cm4]*

***JyFEM**: momento di inerzia attorno all'asse Y per l'analisi FEM. [cm4]*
***JtFEM**: momento d'inerzia torsionale corretto con il fattore di forma per l'analisi FEM. [cm4]*
***H**: altezza della sezione. [cm]*
***B**: larghezza della sezione. [cm]*
***c.s.**: copriferro superiore della sezione. [cm]*
***c.i.**: copriferro inferiore della sezione. [cm]*
***c.l.**: copriferro laterale della sezione. [cm]*

Descrizione	Area Tx FEM	Area Ty FEM	JxFEM	JyFEM	JtFEM	H	B	c.s.	c.i.	c.l.
R 30x60	1500	1500	540000	135000	369900	60	30	3.5	3.5	3.5
R 30x50	1250	1250	312500	112500	279900	50	30	3.5	3.5	3.5
R 50x50	2083.33	2083.33	520833.33	520833.33	770833.33	50	50	3.5	3.5	3.5
R 30x70	1750	1750	857500	157500	459900	70	30	3.5	3.5	3.5
R 30x40	1000	1000	160000	90000	189900	40	30	3.5	3.5	3.5
R 130x20	2166.67	2166.67	86666.67	3.662E06	313066.67	20	130	3.5	3.5	3.5
R 30x30_1	750	750	67500	67500	99900	30	30	3.5	3.5	3.5

4.2.1.2 Caratteristiche inerziali sezioni C.A.

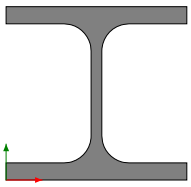
***Descrizione**: descrizione o nome assegnato all'elemento.*
***Xg**: ascissa del baricentro definita rispetto al sistema geometrico in cui sono definiti i vertici del poligono. [cm]*
***Yg**: ordinata del baricentro definita rispetto al sistema geometrico in cui sono definiti i vertici del poligono. [cm]*
***Area**: area inerziale nel sistema geometrico centrato nel baricentro. [cm²]*
***Jx**: momento d'inerzia attorno all'asse orizzontale baricentrico di definizione della sezione. [cm4]*
***Jy**: momento d'inerzia attorno all'asse verticale baricentrico di definizione della sezione. [cm4]*
***Jxy**: momento centrifugo rispetto al sistema di riferimento baricentrico di definizione della sezione. [cm4]*
***Jm**: momento d'inerzia attorno all'asse baricentrico principale M. [cm4]*
***Jn**: momento d'inerzia attorno all'asse baricentrico principale N. [cm4]*
***α**: angolo tra gli assi del sistema di riferimento geometrico di definizione e quelli del sistema di riferimento principale. [deg]*
***Area Tx FEM**: area di taglio in direzione X per l'analisi FEM. [cm²]*
***Area Ty FEM**: area di taglio in direzione Y per l'analisi FEM. [cm²]*
***JxFEM**: momento di inerzia attorno all'asse X per l'analisi FEM. [cm4]*
***JyFEM**: momento di inerzia attorno all'asse Y per l'analisi FEM. [cm4]*
***JtFEM**: momento d'inerzia torsionale corretto con il fattore di forma per l'analisi FEM. [cm4]*

Descrizione	Xg	Yg	Area	Jx	Jy	Jxy	Jm	Jn	α	Area Tx FEM	Area Ty FEM	JxFEM	JyFEM	JtFEM
R 30x60	15	30	1800	540000	135000	0	540000	135000	0	1500	1500	540000	135000	369900
R 30x50	15	25	1500	312500	112500	0	312500	112500	0	1250	1250	312500	112500	279900
R 50x50	25	25	2500	5.2E5	5.2E5	0	5.2E5	5.2E5	0	2083.33	2083.33	5.21E05	5.21E05	7.71E05
R 30x70	15	35	2100	857500	157500	0	857500	157500	0	1750	1750	857500	157500	459900
R 30x40	15	20	1200	160000	90000	0	160000	90000	0	1000	1000	160000	90000	189900
R 130x20	65	10	2600	8.7E4	3.7E6	0	8.7E4	3.7E6	0	2166.67	2166.67	86666.67	3.66E06	3.13E05
R 30x30_1	15	15	900	67500	67500	0	67500	67500	0	750	750	67500	67500	99900

4.2.2 Sezioni in acciaio

4.2.2.1 Profili singoli in acciaio

4.2.2.1.1 HEA - HEM - HEB - IPE



***Descrizione**: descrizione o nome assegnato all'elemento.*
***Sup.**: superficie bagnata per unità di lunghezza. [mm]*
***Area Tx FEM**: area di taglio in direzione X per l'analisi FEM. [mm²]*
***Area Ty FEM**: area di taglio in direzione Y per l'analisi FEM. [mm²]*
***JxFEM**: momento di inerzia attorno all'asse X per l'analisi FEM. [mm4]*
***JyFEM**: momento di inerzia attorno all'asse Y per l'analisi FEM. [mm4]*
***JtFEM**: momento d'inerzia torsionale corretto con il fattore di forma per l'analisi FEM. [mm4]*
***b**: larghezza dell'ala. [mm]*
***h**: altezza del profilo. [mm]*
***s**: spessore dell'anima. [mm]*
***t**: spessore delle ali. [mm]*
***r**: raggio del raccordo ala-anima. [mm]*
***f**: truschino. [mm]*

Descrizione	Sup.	Area Tx FEM	Area Ty FEM	JxFEM	JyFEM	JtFEM	b	h	s	t	r	f
HEA100	1024.1	1583	519	4041820	1594457	62702	100	96	6	9.5	15	99

4.2.2.2 Caratteristiche inerziali sezioni in acciaio

4.2.2.2.1 Caratteristiche inerziali principali sezioni in acciaio

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Xg**: coordinata X del baricentro. [cm]*
***Yg**: coordinata Y del baricentro. [cm]*
***Area**: area inerziale nel sistema geometrico centrato nel baricentro. [cm²]*
***Jx**: momento d'inerzia attorno all'asse orizzontale baricentrico di definizione della sezione. [cm4]*
***Jy**: momento d'inerzia attorno all'asse verticale baricentrico di definizione della sezione. [cm4]*
***Jxy**: momento centrifugo rispetto al sistema di riferimento baricentrico di definizione della sezione. [cm4]*
***Jm**: momento d'inerzia attorno all'asse baricentrico principale M. [cm4]*

***Jn**: momento d'inerzia attorno all'asse baricentrico principale N. [cm4]*
***α X su M**: angolo tra gli assi del sistema di riferimento geometrico di definizione e quelli del sistema di riferimento principale. [deg]*
***Jt**: momento d'inerzia torsionale corretto con il fattore di forma. [cm4]*

Descrizione	Xg	Yg	Area	Jx	Jy	Jxy	Jm	Jn	α X su M	Jt
HEA100	5	4.8	25.6	404.18	159.45	0	404.18	159.45	0	6.27

4.2.2.2.2 Caratteristiche inerziali momenti sezioni in acciaio

***Descrizione**: descrizione o nome assegnato all'elemento.*
***ix**: raggio di inerzia relativo all'asse x. [cm]*
***iy**: raggio di inerzia relativo all'asse y. [cm]*
***im**: raggio di inerzia relativo all'asse principale m. [cm]*
***in**: raggio di inerzia relativo all'asse principale n. [cm]*
***Sx**: momento statico relativo all'asse x. [cm³]*
***Sy**: momento statico relativo all'asse y. [cm³]*
***Wx**: modulo di resistenza elastico minimo relativo all'asse x. [cm³]*
***Wy**: modulo di resistenza elastico minimo relativo all'asse y. [cm³]*
***Wm**: modulo di resistenza elastico minimo relativo all'asse principale m. [cm³]*
***Wn**: modulo di resistenza elastico minimo relativo all'asse principale n. [cm³]*
***Wplx**: modulo di resistenza plastico relativo all'asse x. [cm³]*
***Wply**: modulo di resistenza plastico relativo all'asse y. [cm³]*

Descrizione	ix	iy	im	in	Sx	Sy	Wx	Wy	Wm	Wn	Wplx	Wply
HEA100	3.97	2.5	3.97	2.5	49	24.73	84.2	31.89	84.2	31.89	98.01	49.46

4.2.2.2.3 Caratteristiche inerziali taglio sezioni in acciaio

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Atx**: area a taglio lungo x. [cm²]*
***Aty**: area a taglio lungo y. [cm²]*

Descrizione	Atx	Aty
HEA100	19	5.76

5 Dati di definizione

5.1 Preferenze commessa

5.1.1 Preferenze di normativa

Analisi

Normativa	D.M. 17-01-18 (N.T.C.)	
Tipo di costruzione	2 - Costruzioni con livelli di prestazioni ordinari	
Vn	50	
Classe d'uso	II	
Vr	50	
Tipo di analisi	Lineare dinamica	
Considera sisma Z	Solo se Ag >= 0.15 g, conformemente a §3.2.3.1	
Località	Torino; Latitudine ED50 45,0781° (45° 4' 41''); Longitudine ED50 7,6761° (7° 40' 34''); Altitudine s.l.m. 240 m.	
Categoria del suolo	C - Depositi di terreni a grana grossa mediamente addensati o terreni a grana fina mediamente consistenti	
Categoria topografica	T1 - Superficie pianeggiante, pendii e rilievi isolati con inclinazione media i<=15°	
Ss orizzontale SLD	1.5	
Tb orizzontale SLD	0.116	[s]
Tc orizzontale SLD	0.348	[s]
Td orizzontale SLD	1.716	[s]
Ss orizzontale SLV	1.5	
Tb orizzontale SLV	0.146	[s]
Tc orizzontale SLV	0.437	[s]
Td orizzontale SLV	1.823	[s]
St	1	
PVr SLD (%)	63	
Tr SLD	50	
Ag/g SLD	0.029	
Fo SLD	2.589	
Tc* SLD	0.193	[s]
PVr SLV (%)	10	
Tr SLV	475	
Ag/g SLV	0.0557	
Fo SLV	2.759	
Tc* SLV	0.27	[s]
Smorzamento viscoso (%)	5	
Classe di duttilità	Non dissipativa	
Rotazione del sisma	0	[deg]
Quota dello '0' sismico	0	[cm]
Regolarità in pianta	No	
Regolarità in elevazione	No	
Edificio C.A.	Si	
Tipologia C.A.	Strutture a telaio q0=3.0*αu/α1	
αu/α1 C.A.	Strutture a telaio di un piano αu/α1=(1.0+1.1)/2	
Edificio esistente	No	
Altezza costruzione	2230	[cm]
T1,x	1.13225	[s]
T1,y	1.03585	[s]
λ SLD,x	1	
λ SLD,y	1	
λ SLV,x	1	
λ SLV,y	1	
Limite spostamenti interpiano SLD	0.005	
Fattore di comportamento per sisma SLD X	1.5	
Fattore di comportamento per sisma SLD Y	1.5	
Fattore di comportamento per sisma SLV X	1.5	
Fattore di comportamento per sisma SLV Y	1.5	
Coefficiente di sicurezza per carico limite (fondazioni superficiali)	2.3	
Coefficiente di sicurezza per scorrimento (fondazioni superficiali)	1.1	
Coefficiente di sicurezza portanza verticale pali infissi, punta	1.15	
Coefficiente di sicurezza portanza verticale pali infissi, laterale compressione	1.15	
Coefficiente di sicurezza portanza verticale pali infissi, laterale trazione	1.25	
Coefficiente di sicurezza portanza verticale pali trivellati, punta	1.35	
Coefficiente di sicurezza portanza verticale pali trivellati, laterale compressione	1.15	
Coefficiente di sicurezza portanza verticale pali trivellati, laterale trazione	1.25	
Coefficiente di sicurezza portanza verticale micropali, punta	1.35	
Coefficiente di sicurezza portanza verticale micropali, laterale compressione	1.15	
Coefficiente di sicurezza portanza verticale micropali, laterale trazione	1.25	
Coefficiente di sicurezza portanza trasversale pali	1.3	
Fattore di correlazione resistenza caratteristica dei pali in base alle verticali indagate	1.7	
Coefficiente di sicurezza per ribaltamento (plinti superficiali)	1.15	
Esegui verifiche in combinazioni SLD secondo Circolare 7	Si	

Verifiche C.A.

Normativa	D.M. 17-01-18 (N.T.C.)	
γs (fattore di sicurezza parziale per l'acciaio)	1.15	
γc (fattore di sicurezza parziale per il calcestruzzo)	1.5	
Limite σc/fck in combinazione rara	0.6	
Limite σc/fck in combinazione quasi permanente	0.45	
Limite σf/fyk in combinazione rara	0.8	
Coefficiente di riduzione della τ per cattiva aderenza	0.7	
Dimensione limite fessure w1 §4.1.2.2.4	0.02	[cm]
Dimensione limite fessure w2 §4.1.2.2.4	0.03	[cm]
Dimensione limite fessure w3 §4.1.2.2.4	0.04	[cm]
Fattori parziali di sicurezza unitari per meccanismi duttili di strutture esistenti con		

fattore q	Si
Copriferro secondo EC2	No
αcc elementi nuovi nelle combinazioni sismiche	0.85
αcc elementi esistenti	0.85

Verifiche legno

Normativa	D.M. 17-01-18 (N.T.C.)
γM combinazioni fondamentali massiccio	1.5
γM combinazioni fondamentali lamellare	1.45
γM combinazioni fondamentali unioni	1.5
γM combinazioni eccezionali	1
γM combinazioni esercizio	1
Kmod durata istantaneo, classe 1	1.1
Kmod durata istantaneo, classe 2	1.1
Kmod durata istantaneo, classe 3	0.9
Kmod durata breve, classe 1	0.9
Kmod durata breve, classe 2	0.9
Kmod durata breve, classe 3	0.7
Kmod durata media, classe 1	0.8
Kmod durata media, classe 2	0.8
Kmod durata media, classe 3	0.65
Kmod durata lunga, classe 1	0.7
Kmod durata lunga, classe 2	0.7
Kmod durata lunga, classe 3	0.55
Kmod durata permanente, classe 1	0.6
Kmod durata permanente, classe 2	0.6
Kmod durata permanente, classe 3	0.5
Kdef classe 1	0.6
Kdef classe 2	0.8
Kdef classe 3	2

Verifiche acciaio

Normativa	D.M. 17-01-18 (N.T.C.)
γm0	1.05
γm1	1.05
γm2	1.25
Coefficiente riduttivo per effetto vettoriale	0.7
Calcolo coefficienti C1, C2, C3 per Mcr	automatico
Coefficienti α, β per flessione deviata	unitari
Verifica semplificata conservativa	si
L/e0 iniziale per profili accoppiati compressi	500
Metodo semplificato formula (4.2.82)	si
Escludi § 6.2.6.7 EN 1993-1-8:2005 + AC:2009 in 7.5.4.3-7.5.4.5	si
Applica Nota 1 del prospetto 6.2	si
Riduzione fy per tubi tondi di classe 4	no
Limite spostamento relativo interpiano e monopiano colonne	0.00333
Limite spostamento relativo complessivo multipiano colonne	0.002
Considera taglio resistente estremità sagomati	no
Fattori parziali di sicurezza unitari per meccanismi duttili di strutture esistenti con fattore q	si

Verifiche alluminio

Normativa	D.M. 17-01-18 (N.T.C.)
γm1	1.15
γm2	1.25

Verifiche pannelli gessofibra

Normativa	EN 1995-1-1:2004 +AC:2006 + A1:2008 + A2:2014; ETA-03/0050; ETA-07/0086; ETA-08/0147
a	7
b	-0.7
c	0.9
Kmod durata istantaneo, classe 1	1.1
Kmod durata istantaneo, classe 2	0.8
Kmod durata breve, classe 1	0.8
Kmod durata breve, classe 2	0.6
Kmod durata media, classe 1	0.6
Kmod durata media, classe 2	0.45
Kmod durata lunga, classe 1	0.4
Kmod durata lunga, classe 2	0.3
Kmod durata permanente, classe 1	0.2
Kmod durata permanente, classe 2	0.15

5.1.2 Eccentricità accidentali

***Quota**: Livello o falda a cui si riferisce l'eccentricità.*
***Eccentricità X**: Eccentricità X per sisma Y attribuita alla quota. [cm]*
***Eccentricità Y**: Eccentricità Y per sisma X attribuita alla quota. [cm]*

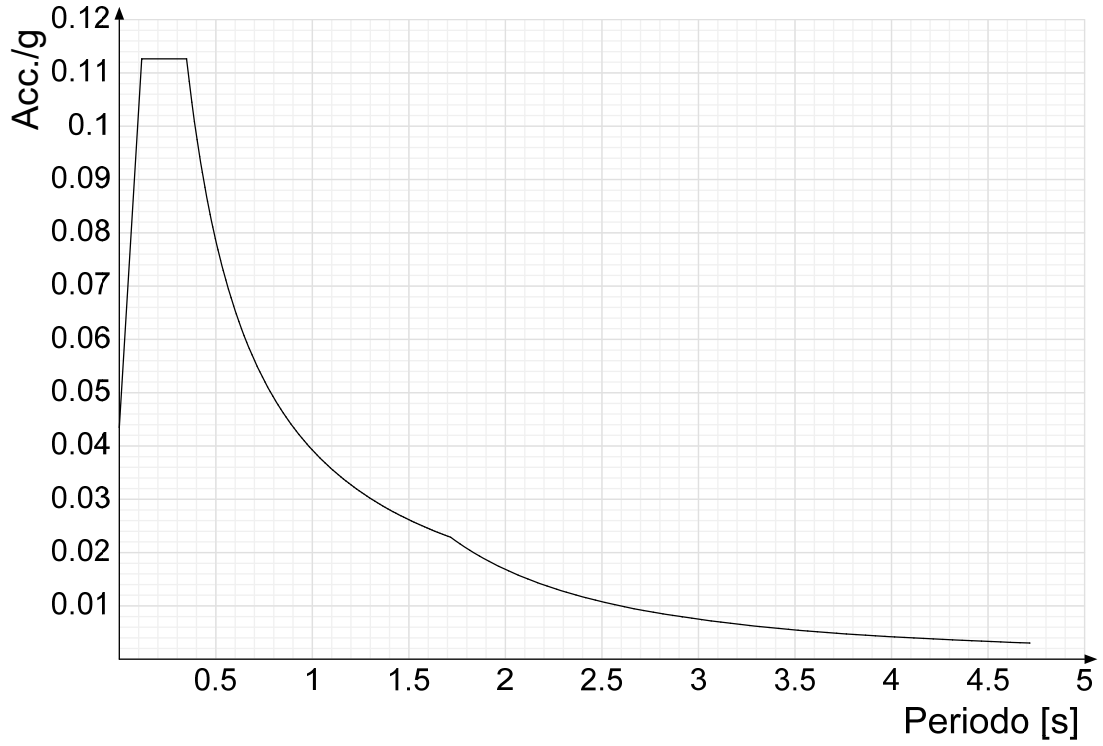
Quota	Eccentricità X	Eccentricità Y
fondo corsa	0	0
Fondazione	250	60
p.lo 1	0	0
Piano 1	250	60
p.lo 2	0	0
Piano 2	250	60
p.lo 3	0	0
Piano 3	250	60
p.lo 4	0	0
Piano 4	250	60
p.lo 5	0	0
Piano 5	250	60
p.lo 6	0	0
Piano 6	250	60
p.lo 7	0	0
Piano 7	250	60
p.lo 8	0	0

Quota	Eccentricità X	Eccentricità Y
Piano 8	250	60
Parapetto 8	250	60
Piano 9	250	60

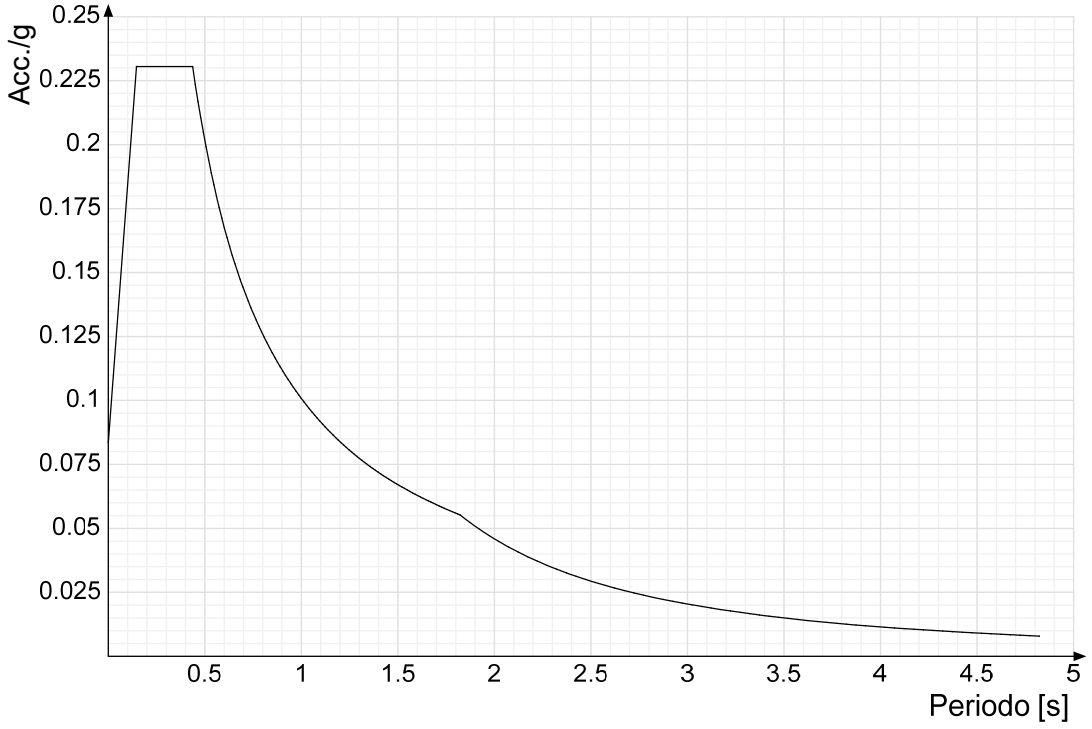
5.1.3 Spettri

***Acc./g**: Accelerazione spettrale normalizzata ottenuta dividendo l'accelerazione spettrale per l'accelerazione di gravità.*
***Periodo**: Periodo di vibrazione.*

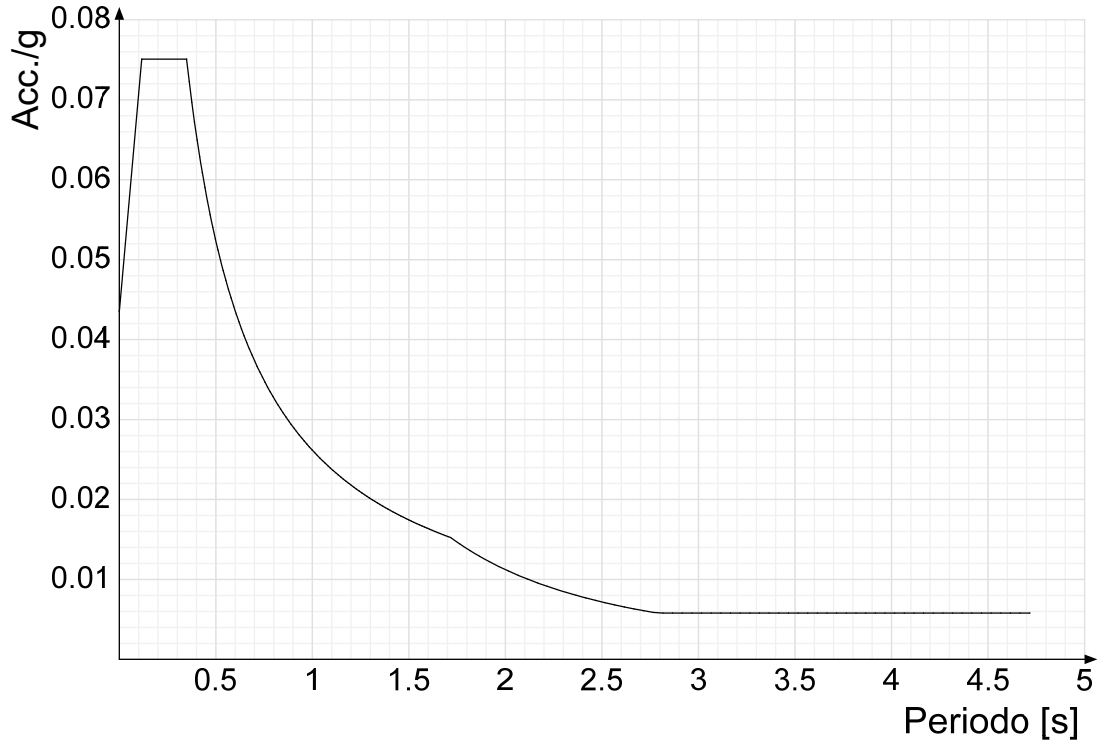
Spettro di risposta elastico in accelerazione delle componenti orizzontali SLD § 3.2.3.2.1 [3.2.2]



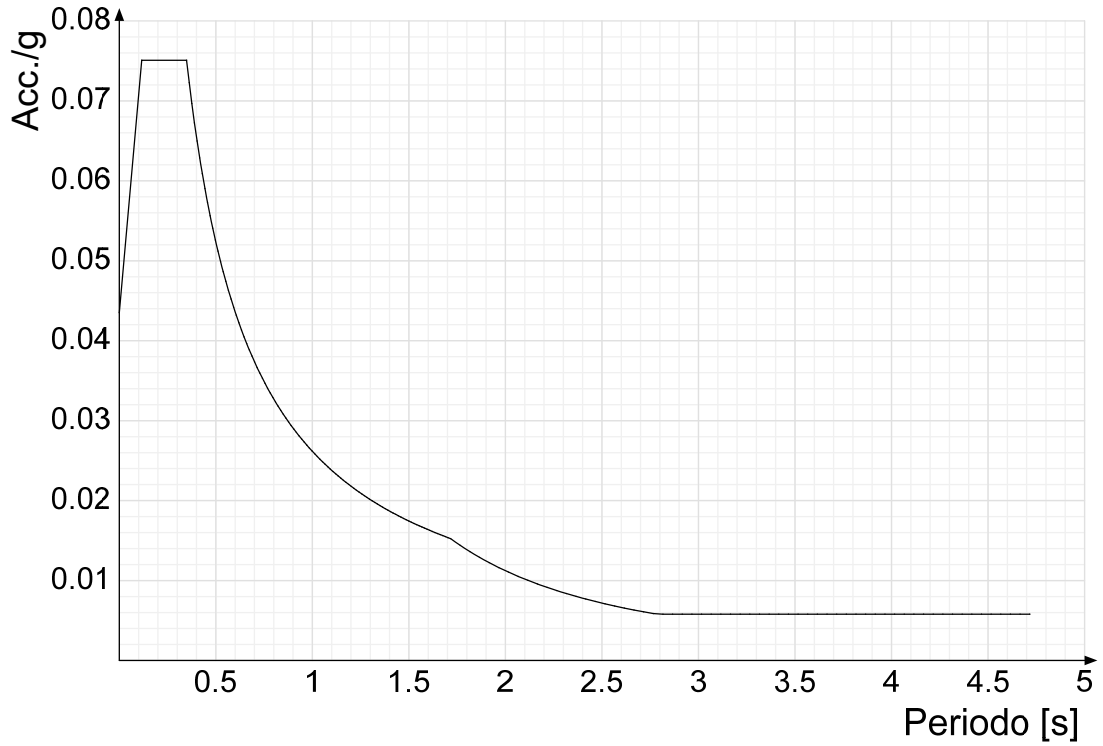
Spettro di risposta elastico in accelerazione delle componenti orizzontali SLV § 3.2.3.2.1 [3.2.2]



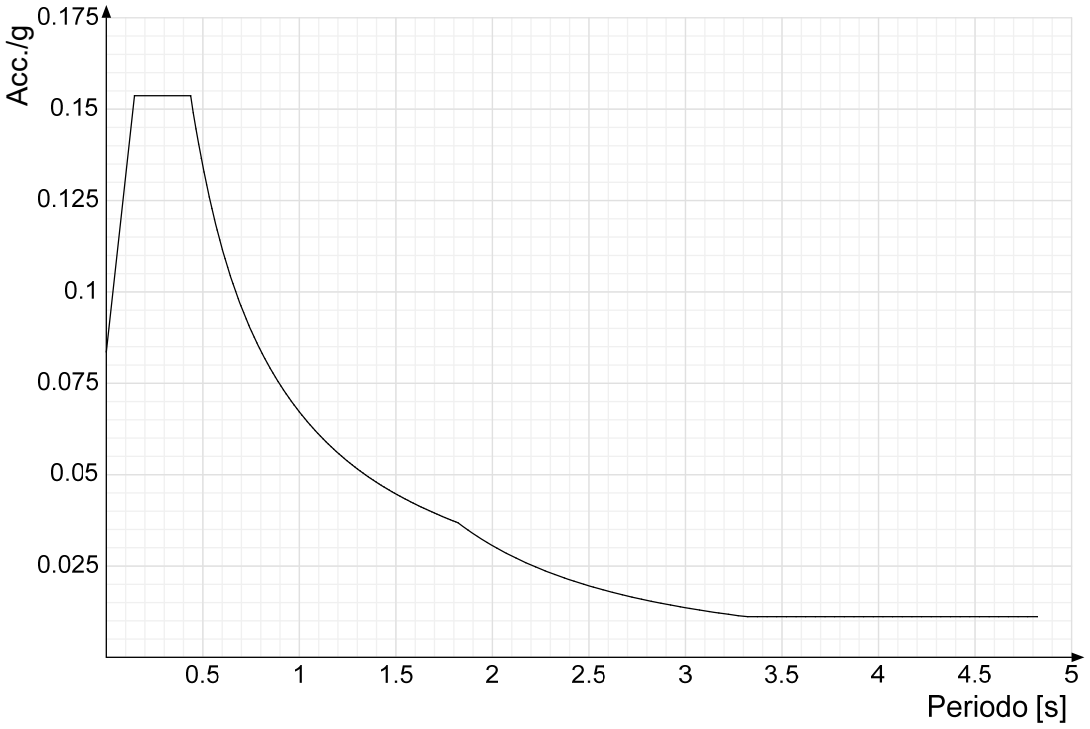
Spettro di risposta di progetto in accelerazione della componente X SLD § 3.2.3.5



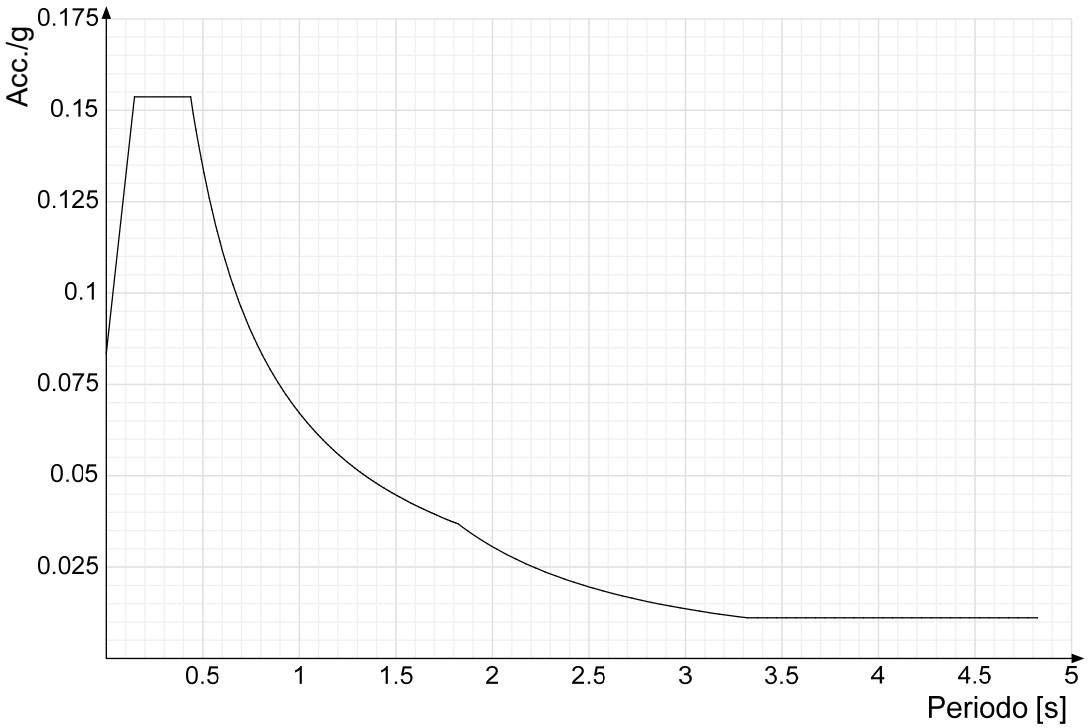
Spettro di risposta di progetto in accelerazione della componente Y SLD § 3.2.3.5



Spettro di risposta di progetto in accelerazione della componente X SLV § 3.2.3.5

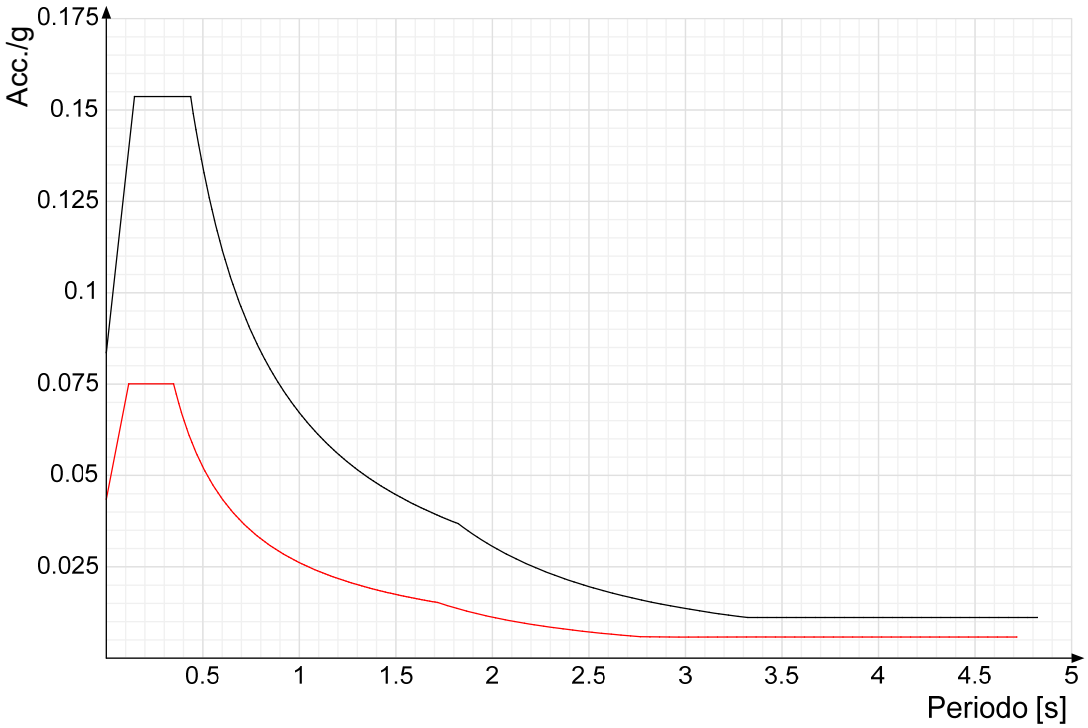


Spettro di risposta di progetto in accelerazione della componente Y SLV § 3.2.3.5

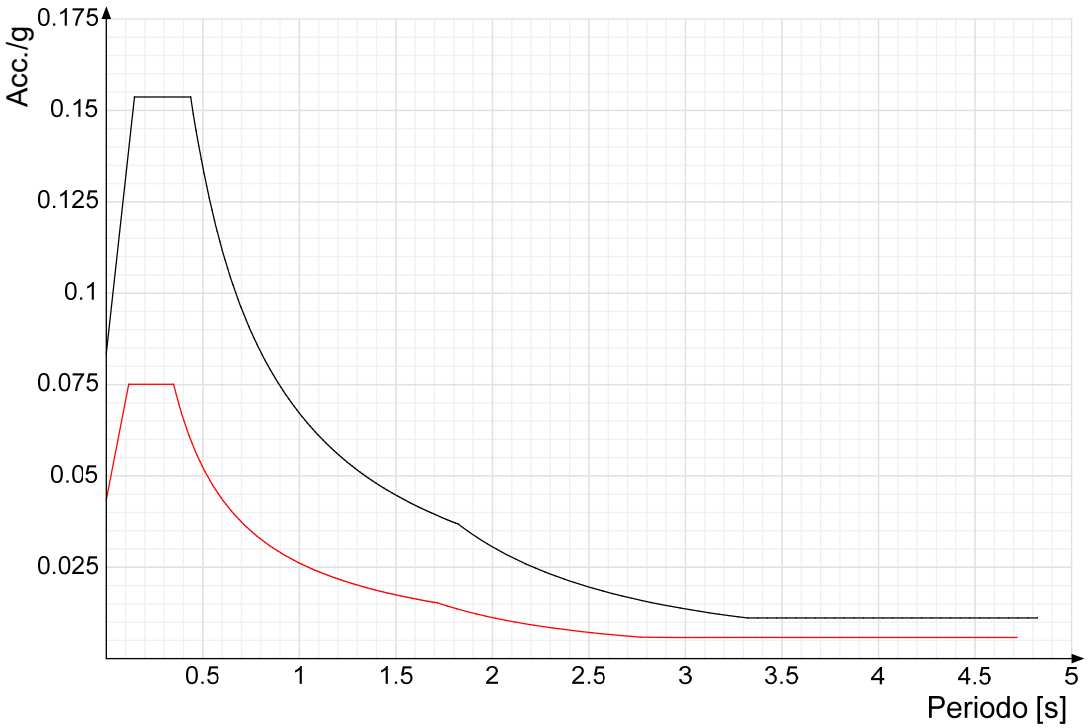


Confronti spettri SLV-SLD

Vengono confrontati lo spettro Spettro di risposta di progetto in accelerazione della componente X SLD § 3.2.3.5 (di colore rosso) e Spettro di risposta di progetto in accelerazione della componente X SLV § 3.2.3.5 (di colore nero).



Vengono confrontati lo spettro Spettro di risposta di progetto in accelerazione della componente Y SLD § 3.2.3.5 (di colore rosso) e Spettro di risposta di progetto in accelerazione della componente Y SLV § 3.2.3.5 (di colore nero).



5.1.4 Preferenze FEM

Dimensione massima ottimale mesh pareti (default)	50	[cm]
Dimensione massima ottimale mesh piastre (default)	50	[cm]
Dimensione massima ottimale suddivisioni archi finestre/porte (default)	50	[cm]
Tipo di mesh dei gusci (default)	Quadrilateri o triangoli	
Tipo di mesh imposta ai gusci	Specifico dell'elemento	
Metodo P-Delta	non utilizzato	
Analisi buckling	non utilizzata	
Rapporto spessore flessionale/membranale gusci muratura verticali	0.2	
Spessori membranale e flessionale pareti XLAM da sole tavole verticali	No	
Moltiplicatore rigidezza connettori pannelli pareti legno a diaframma	1	
Tolleranza di parallelismo	4.99	[deg]
Tolleranza di unicità punti	10	[cm]
Tolleranza generazione nodi di aste	1	[cm]
Tolleranza di parallelismo in suddivisione aste	4.99	[deg]
Tolleranza generazione nodi di gusci	4	[cm]
Tolleranza eccentricità carichi concentrati	100	[cm]

Considera deformabilità a taglio negli elementi guscio	No
Modello elastico pareti in muratura	Gusci
Concentra masse pareti nei vertici	No
Segno risultati analisi spettrale	Analisi statica
Metodo di risoluzione della matrice	Intel MKL PARDISO
Scrivi commenti nel file di input	No
Scrivi file di output in formato testo	No
Solidi colle e corpi ruvidi (default)	Solidi reali
Moltiplicatore rigidezza molla torsionale applicata ad aste di fondazione	1
Modello trave su suolo alla Winkler nel caso di modellazione lineare	Equilibrio elastico
Numero di modi di vibrare da ricercare	20
Algoritmo di analisi modale	Proiezione nel sottospazio totale
Algoritmo di combinazione modale	CQC

5.1.5 Moltiplicatori inerziali

***Tipologia**: tipo di entità a cui si riferiscono i moltiplicatori inerziali.*
***J2**: moltiplicatore inerziale di J2. Il valore è adimensionale.*
***J3**: moltiplicatore inerziale di J3. Il valore è adimensionale.*
***Jt**: moltiplicatore inerziale di Jt. Il valore è adimensionale.*
***A**: moltiplicatore dell'area della sezione. Il valore è adimensionale.*
***A2**: moltiplicatore dell'area a taglio in direzione 2. Il valore è adimensionale.*
***A3**: moltiplicatore dell'area a taglio in direzione 3. Il valore è adimensionale.*
***Conci rigidi**: fattore di riduzione dei tronchi rigidi. Il valore è adimensionale.*

Tipologia	J2	J3	Jt	A	A2	A3	Conci rigidi
Trave C.A.	1	1	0.01	1	1	1	0.5
Pilastro C.A.	1	1	0.01	1	1	1	0.5
Trave di fondazione	1	1	0.01	1	1	1	0.5
Palo	1	1	0.01	1	1	1	0
Trave in legno	1	1	1	1	1	1	1
Colonna in legno	1	1	1	1	1	1	1
Trave in acciaio	1	1	1	1	1	1	1
Colonna in acciaio	1	1	1	1	1	1	1
Trave di reticolare in acciaio	1	1	1	1	1	1	1
Maschio in muratura	0	1	0	1	1	1	1
Pilastro in muratura	1	1	0.01	1	1	1	0.5
Trave di accoppiamento in muratura	0	1	0	1	1	1	1
Trave di scala C.A. nervata	1	1	1	1	1	1	0.5
Trave tralicciata	1	1	0.01	1	1	1	0.5

5.1.6 Preferenze di analisi non lineare FEM

Metodo iterativo	Secante
Tolleranza iterazione	0.00001
Numero massimo iterazioni	50

5.1.7 Preferenze di analisi carichi superficiali

Detrazione peso proprio solai nelle zone di sovrapposizione	non applicata	
Metodo di ripartizione	a zone d'influenza	
Percentuale carico calcolato a trave continua	0	
Esegui smoothing diagrammi di carico	applicata	
Tolleranza smoothing altezza trapezi	0.001	[daN/cm]
Tolleranza smoothing altezza media trapezi	0.001	[daN/cm]

5.2 Azioni e carichi

5.2.1 Condizioni elementari di carico

***Descrizione**: nome assegnato alla condizione elementare.*
***Nome breve**: nome breve assegnato alla condizione elementare.*
***Durata**: descrive la durata della condizione (necessario per strutture in legno).*
***ψ0**: coefficiente moltiplicatore ψ0. Il valore è adimensionale.*
***ψ1**: coefficiente moltiplicatore ψ1. Il valore è adimensionale.*
***ψ2**: coefficiente moltiplicatore ψ2. Il valore è adimensionale.*
***Con segno**: descrive se la condizione elementare ha la possibilità di variare di segno.*

Descrizione	Nome breve	Durata	ψ0	ψ1	ψ2	Con segno
Pesi strutturali	Pesi	Permanente				
Permanenti portati	Port.	Permanente				
Accidentali	Accidentali	Media	0.7	0.5	0.3	
neve	neve	Breve	0.5	0.2	0	
ΔT	ΔT	Media	0.6	0.5	0	No
Sisma X SLV	SLV X					
Sisma Y SLV	SLV Y					
Sisma Z SLV	SLV Z					
Eccentricità Y per sisma X SLV	EySx SLV					
Eccentricità X per sisma Y SLV	ExSy SLV					
Sisma X SLD	X SLD					
Sisma Y SLD	Y SLD					
Sisma Z SLD	Z SLD					
Eccentricità Y per sisma X SLD	EySx SLD					
Eccentricità X per sisma Y SLD	ExSy SLD					
Terreno sisma X SLV	Tr sLV X					
Terreno sisma Y SLV	Tr sLV Y					
Terreno sisma Z SLV	Tr sLV Z					
Terreno sisma X SLD	Tr x SLD					
Terreno sisma Y SLD	Tr y SLD					
Terreno sisma Z SLD	Tr z SLD					
Rig Ux	Rig Ux					
Rig Uy	Rig Uy					

Descrizione	Nome breve	Durata	ψ0	ψ1	ψ2	Con segno
Rig Rz	Rig Rz					

5.2.2 Combinazioni di carico

***Nome**: E' il nome esteso che contraddistingue la condizione elementare di carico.*
***Nome breve**: E' il nome compatto della condizione elementare di carico, che viene utilizzato altrove nella relazione.*
***Pesi**: Pesi strutturali*
***Port.**: Permanenti portati*
***Accidentali**: Accidentali*
***neve**: neve*
***ΔT**: ΔT*
***X SLD**: Sisma X SLD*
***Y SLD**: Sisma Y SLD*
***Z SLD**: Sisma Z SLD*
***EySx SLD**: Eccentricità Y per sisma X SLD*
***ExSy SLD**: Eccentricità X per sisma Y SLD*
***Tr x SLD**: Terreno sisma X SLD*
***Tr y SLD**: Terreno sisma Y SLD*
***Tr z SLD**: Terreno sisma Z SLD*
***SLV X**: Sisma X SLV*
***SLV Y**: Sisma Y SLV*
***SLV Z**: Sisma Z SLV*
***EySx SLV**: Eccentricità Y per sisma X SLV*
***ExSy SLV**: Eccentricità X per sisma Y SLV*
***Tr sLV X**: Terreno sisma X SLV*
***Tr sLV Y**: Terreno sisma Y SLV*
***Tr sLV Z**: Terreno sisma Z SLV*
***Rig Ux**: Rig Ux*
***Rig Uy**: Rig Uy*
***Rig Rz**: Rig Rz*
Tutte le combinazioni di carico vengono raggruppate per famiglia di appartenenza. Le celle di una riga contengono i coefficienti moltiplicatori della i-esima combinazione, dove il valore della prima cella è da intendersi come moltiplicatore associato alla prima condizione elementare, la seconda cella si riferisce alla seconda condizione elementare e così via.

Famiglia SLU

Il nome compatto della famiglia è SLU.

Nome	Nome breve	Pesi	Port.	Accidentali	neve	ΔT
1	SLU 1	1	0.8	0	0	0
2	SLU 2	1	0.8	0	0	1.5
3	SLU 3	1	0.8	0	0.75	1.5
4	SLU 4	1	0.8	0	1.5	0
5	SLU 5	1	0.8	0	1.5	0.9
6	SLU 6	1	0.8	1.05	0	1.5
7	SLU 7	1	0.8	1.05	0.75	1.5
8	SLU 8	1	0.8	1.05	1.5	0
9	SLU 9	1	0.8	1.05	1.5	0.9
10	SLU 10	1	0.8	1.5	0	0
11	SLU 11	1	0.8	1.5	0	0.9
12	SLU 12	1	0.8	1.5	0.75	0
13	SLU 13	1	0.8	1.5	0.75	0.9
14	SLU 14	1	1.5	0	0	0
15	SLU 15	1	1.5	0	0	1.5
16	SLU 16	1	1.5	0	0.75	1.5
17	SLU 17	1	1.5	0	1.5	0
18	SLU 18	1	1.5	0	1.5	0.9
19	SLU 19	1	1.5	1.05	0	1.5
20	SLU 20	1	1.5	1.05	0.75	1.5
21	SLU 21	1	1.5	1.05	1.5	0
22	SLU 22	1	1.5	1.05	1.5	0.9
23	SLU 23	1	1.5	1.5	0	0
24	SLU 24	1	1.5	1.5	0	0.9
25	SLU 25	1	1.5	1.5	0.75	0
26	SLU 26	1	1.5	1.5	0.75	0.9
27	SLU 27	1.3	0.8	0	0	0
28	SLU 28	1.3	0.8	0	0	1.5
29	SLU 29	1.3	0.8	0	0.75	1.5
30	SLU 30	1.3	0.8	0	1.5	0
31	SLU 31	1.3	0.8	0	1.5	0.9
32	SLU 32	1.3	0.8	1.05	0	1.5
33	SLU 33	1.3	0.8	1.05	0.75	1.5
34	SLU 34	1.3	0.8	1.05	1.5	0
35	SLU 35	1.3	0.8	1.05	1.5	0.9
36	SLU 36	1.3	0.8	1.5	0	0
37	SLU 37	1.3	0.8	1.5	0	0.9
38	SLU 38	1.3	0.8	1.5	0.75	0
39	SLU 39	1.3	0.8	1.5	0.75	0.9
40	SLU 40	1.3	1.5	0	0	0
41	SLU 41	1.3	1.5	0	0	1.5
42	SLU 42	1.3	1.5	0	0.75	1.5
43	SLU 43	1.3	1.5	0	1.5	0
44	SLU 44	1.3	1.5	0	1.5	0.9
45	SLU 45	1.3	1.5	1.05	0	1.5
46	SLU 46	1.3	1.5	1.05	0.75	1.5
47	SLU 47	1.3	1.5	1.05	1.5	0
48	SLU 48	1.3	1.5	1.05	1.5	0.9
49	SLU 49	1.3	1.5	1.5	0	0
50	SLU 50	1.3	1.5	1.5	0	0.9
51	SLU 51	1.3	1.5	1.5	0.75	0
52	SLU 52	1.3	1.5	1.5	0.75	0.9

Famiglia SLE rara

Il nome compatto della famiglia è SLE RA.

Nome	Nome breve	Pesi	Port.	Accidentali	neve	ΔT
1	SLE RA 1	1	1	0	0	0
2	SLE RA 2	1	1	0	0	1
3	SLE RA 3	1	1	0	0.5	1
4	SLE RA 4	1	1	0	1	0
5	SLE RA 5	1	1	0	1	0.6
6	SLE RA 6	1	1	0.7	0	1
7	SLE RA 7	1	1	0.7	0.5	1
8	SLE RA 8	1	1	0.7	1	0
9	SLE RA 9	1	1	0.7	1	0.6
10	SLE RA 10	1	1	1	0	0
11	SLE RA 11	1	1	1	0	0.6
12	SLE RA 12	1	1	1	0.5	0
13	SLE RA 13	1	1	1	0.5	0.6

Famiglia SLE frequente

Il nome compatto della famiglia è SLE FR.

Nome	Nome breve	Pesi	Port.	Accidentali	neve	ΔT
1	SLE FR 1	1	1	0	0	0
2	SLE FR 2	1	1	0	0	0.5
3	SLE FR 3	1	1	0	0.2	0
4	SLE FR 4	1	1	0.3	0	0.5
5	SLE FR 5	1	1	0.3	0.2	0
6	SLE FR 6	1	1	0.5	0	0

Famiglia SLE quasi permanente

Il nome compatto della famiglia è SLE QP.

Nome	Nome breve	Pesi	Port.	Accidentali	neve	ΔT
1	SLE QP 1	1	1	0	0	0
2	SLE QP 2	1	1	0.3	0	0

Famiglia SLU eccezionale

Il nome compatto della famiglia è SLU EX.

Nome	Nome breve	Pesi	Port.	Accidentali	neve	ΔT

Famiglia SLD

Il nome compatto della famiglia è SLD.

Poiché il numero di condizioni elementari previste per le combinazioni di questa famiglia è cospicuo, la tabella verrà spezzata in più parti.

Nome	Nome breve	Pesi	Port.	Accidentali	neve	ΔT	X SLD	Y SLD
1	SLD 1	1	1	0.3	0	0	-1	-0.3
2	SLD 2	1	1	0.3	0	0	-1	-0.3
3	SLD 3	1	1	0.3	0	0	-1	0.3
4	SLD 4	1	1	0.3	0	0	-1	0.3
5	SLD 5	1	1	0.3	0	0	-0.3	-1
6	SLD 6	1	1	0.3	0	0	-0.3	-1
7	SLD 7	1	1	0.3	0	0	-0.3	1
8	SLD 8	1	1	0.3	0	0	-0.3	1
9	SLD 9	1	1	0.3	0	0	0.3	-1
10	SLD 10	1	1	0.3	0	0	0.3	-1
11	SLD 11	1	1	0.3	0	0	0.3	1
12	SLD 12	1	1	0.3	0	0	0.3	1
13	SLD 13	1	1	0.3	0	0	1	-0.3
14	SLD 14	1	1	0.3	0	0	1	-0.3
15	SLD 15	1	1	0.3	0	0	1	0.3
16	SLD 16	1	1	0.3	0	0	1	0.3

Nome	Nome breve	Z SLD	EySx SLD	ExSy SLD	Tr x SLD	Tr y SLD	Tr z SLD
1	SLD 1	0	-1	0.3	-1	-0.3	0
2	SLD 2	0	1	-0.3	-1	-0.3	0
3	SLD 3	0	-1	0.3	-1	0.3	0
4	SLD 4	0	1	-0.3	-1	0.3	0
5	SLD 5	0	-0.3	1	-0.3	-1	0
6	SLD 6	0	0.3	-1	-0.3	-1	0
7	SLD 7	0	-0.3	1	-0.3	1	0
8	SLD 8	0	0.3	-1	-0.3	1	0
9	SLD 9	0	-0.3	1	0.3	-1	0
10	SLD 10	0	0.3	-1	0.3	-1	0
11	SLD 11	0	-0.3	1	0.3	1	0
12	SLD 12	0	0.3	-1	0.3	1	0
13	SLD 13	0	-1	0.3	1	-0.3	0
14	SLD 14	0	1	-0.3	1	-0.3	0
15	SLD 15	0	-1	0.3	1	0.3	0
16	SLD 16	0	1	-0.3	1	0.3	0

Famiglia SLV

Il nome compatto della famiglia è SLV.

Poiché il numero di condizioni elementari previste per le combinazioni di questa famiglia è cospicuo, la tabella verrà spezzata in più parti.

Nome	Nome breve	Pesi	Port.	Accidentali	neve	ΔT	SLV X	SLV Y
1	SLV 1	1	1	0.3	0	0	-1	-0.3
2	SLV 2	1	1	0.3	0	0	-1	-0.3
3	SLV 3	1	1	0.3	0	0	-1	0.3
4	SLV 4	1	1	0.3	0	0	-1	0.3
5	SLV 5	1	1	0.3	0	0	-0.3	-1
6	SLV 6	1	1	0.3	0	0	-0.3	-1
7	SLV 7	1	1	0.3	0	0	-0.3	1
8	SLV 8	1	1	0.3	0	0	-0.3	1
9	SLV 9	1	1	0.3	0	0	0.3	-1
10	SLV 10	1	1	0.3	0	0	0.3	-1
11	SLV 11	1	1	0.3	0	0	0.3	1
12	SLV 12	1	1	0.3	0	0	0.3	1
13	SLV 13	1	1	0.3	0	0	1	-0.3
14	SLV 14	1	1	0.3	0	0	1	-0.3

Nome	Nome breve	Pesi	Port.	Accidentali	neve	ΔT	SLV X	SLV Y
15	**SLV 15**	1	1	0.3	0	0	1	0.3
16	**SLV 16**	1	1	0.3	0	0	1	0.3

Nome	Nome breve	SLV Z	EySx SLV	ExSy SLV	Tr sLV X	Tr sLV Y	Tr sLV Z
1	**SLV 1**	0	-1	0.3	-1	-0.3	0
2	**SLV 2**	0	1	-0.3	-1	-0.3	0
3	**SLV 3**	0	-1	0.3	-1	0.3	0
4	**SLV 4**	0	1	-0.3	-1	0.3	0
5	**SLV 5**	0	-0.3	1	-0.3	-1	0
6	**SLV 6**	0	0.3	-1	-0.3	-1	0
7	**SLV 7**	0	-0.3	1	-0.3	1	0
8	**SLV 8**	0	0.3	-1	-0.3	1	0
9	**SLV 9**	0	-0.3	1	0.3	-1	0
10	**SLV 10**	0	0.3	-1	0.3	-1	0
11	**SLV 11**	0	-0.3	1	0.3	1	0
12	**SLV 12**	0	0.3	-1	0.3	1	0
13	**SLV 13**	0	-1	0.3	1	-0.3	0
14	**SLV 14**	0	1	-0.3	1	-0.3	0
15	**SLV 15**	0	-1	0.3	1	0.3	0
16	**SLV 16**	0	1	-0.3	1	0.3	0

Famiglia Calcolo rigidezza torsionale/flessionale di piano

Il nome compatto della famiglia è CRTFP.

Nome	Nome breve	Rig Ux	Rig Uy	Rig Rz
Rig. Ux+	**CRTFP Ux+**	1	0	0
Rig. Ux-	**CRTFP Ux-**	-1	0	0
Rig. Uy+	**CRTFP Uy+**	0	1	0
Rig. Uy-	**CRTFP Uy-**	0	-1	0
Rig. Rz+	**CRTFP Rz+**	0	0	1
Rig. Rz-	**CRTFP Rz-**	0	0	-1

5.2.3 Definizioni di carichi lineari

***Nome**: nome identificativo della definizione di carico.*
***Valori**: valori associati alle condizioni di carico.*
***Condizione**: condizione di carico a cui sono associati i valori.*
***Descrizione**: nome assegnato alla condizione elementare.*
***Fx i.**: valore iniziale della forza, per unità di lunghezza, agente in direzione X. [daN/cm]*
***Fx f.**: valore finale della forza, per unità di lunghezza, agente in direzione X. [daN/cm]*
***Fy i.**: valore iniziale della forza, per unità di lunghezza, agente in direzione Y. [daN/cm]*
***Fy f.**: valore finale della forza, per unità di lunghezza, agente in direzione Y. [daN/cm]*
***Fz i.**: valore iniziale della forza, per unità di lunghezza, agente in direzione Z. [daN/cm]*
***Fz f.**: valore finale della forza, per unità di lunghezza, agente in direzione Z. [daN/cm]*
***Mx i.**: valore iniziale della coppia, per unità di lunghezza, agente attorno l'asse X. [daN]*
***Mx f.**: valore finale della coppia, per unità di lunghezza, agente attorno l'asse X. [daN]*
***My i.**: valore iniziale della coppia, per unità di lunghezza, agente attorno l'asse Y. [daN]*
***My f.**: valore finale della coppia, per unità di lunghezza, agente attorno l'asse Y. [daN]*
***Mz i.**: valore iniziale della coppia, per unità di lunghezza, agente attorno l'asse Z. [daN]*
***Mz f.**: valore finale della coppia, per unità di lunghezza, agente attorno l'asse Z. [daN]*

Nome	Valori											
	Condizione	Fx i.	Fx f.	Fy i.	Fy f.	Fz i.	Fz f.	Mx i.	Mx f.	My i.	My f.	Mz i.	Mz f.
	Descrizione												
muri	Pesi strutturali	0	0	0	0	0	0	0	0	0	0	0	0
	Permanenti portati	0	0	0	0	-8	-8	0	0	0	0	0	0
	Accidentali	0	0	0	0	0	0	0	0	0	0	0	0
	neve	0	0	0	0	0	0	0	0	0	0	0	0
30x60	Pesi strutturali	0	0	0	0	0	0	0	0	0	0	0	0
	Permanenti portati	0	0	0	0	0	0	0	0	0	0	0	0
	Accidentali	0	0	0	0	0	0	0	0	0	0	0	0
	neve	0	0	0	0	0	0	0	0	0	0	0	0
30x50	Pesi strutturali	0	0	0	0	0	0	0	0	0	0	0	0
	Permanenti portati	0	0	0	0	0	0	0	0	0	0	0	0
	Accidentali	0	0	0	0	0	0	0	0	0	0	0	0
	neve	0	0	0	0	0	0	0	0	0	0	0	0
30x30	Pesi strutturali	0	0	0	0	0	0	0	0	0	0	0	0
	Permanenti portati	0	0	0	0	0	0	0	0	0	0	0	0
	Accidentali	0	0	0	0	0	0	0	0	0	0	0	0
	neve	0	0	0	0	0	0	0	0	0	0	0	0
50x50	Pesi strutturali	0	0	0	0	0	0	0	0	0	0	0	0
	Permanenti portati	0	0	0	0	0	0	0	0	0	0	0	0
	Accidentali	0	0	0	0	0	0	0	0	0	0	0	0
	neve	0	0	0	0	0	0	0	0	0	0	0	0
scala	Pesi strutturali	0	0	0	0	0	0	0	0	0	0	0	0
	Permanenti portati	0	0	0	0	-5	-5	0	0	0	0	0	0
	Accidentali	0	0	0	0	-5	-5	0	0	0	0	0	0
	neve	0	0	0	0	0	0	0	0	0	0	0	0

5.2.4 Definizioni di carichi superficiali

***Nome**: nome identificativo della definizione di carico.*
***Valori**: valori associati alle condizioni di carico.*
***Condizione**: condizione di carico a cui sono associati i valori.*
***Descrizione**: nome assegnato alla condizione elementare.*
***Valore**: valore del carico per unità di superficie, nel caso il tipo sia "Verticale", "Verticale in proiezione", "Normale alla superficie". [daN/cm²]*
***Cp vento**: valore del coefficiente di pressione Cp, nel caso il tipo sia "Cp vento". Il valore è adimensionale.*
***Tipo**: tipo di carico.*

Nome	Valori			
	Condizione	Valore	Cp vento	Tipo
	Descrizione			

Nome	Valori			
	Condizione	Valore	Cp vento	Tipo
	Descrizione			
Interni	Pesi strutturali	0		Verticale
	Permanenti portati	0.04		Verticale
	Accidentali	0.02		Verticale
	neve	0		Verticale
Balconi	Pesi strutturali	0		Verticale
	Permanenti portati	0.03		Verticale
	Accidentali	0.04		Verticale
	neve	0		Verticale
Scale	Pesi strutturali	0		Verticale
	Permanenti portati	0.03		Verticale
	Accidentali	0.04		Verticale
	neve	0		Verticale
Copertura scale	Pesi strutturali	0		Verticale
	Permanenti portati	0.01		Verticale
	Accidentali	0.005		Verticale
	neve	0.015		Verticale
Copertura cantine	Pesi strutturali	0		Verticale
	Permanenti portati	0.03		Verticale
	Accidentali	0.02		Verticale
	neve	0.015		Verticale

5.2.5 Definizioni di carichi termici

***Nome**: nome identificativo della definizione di carico.*
***ΔT faccia interna**: variazione di temperatura della faccia interna dell'elemento rispetto alla temperatura di costruzione. [°C]*
***ΔT faccia esterna**: variazione di temperatura della faccia esterna dell'elemento rispetto alla temperatura di costruzione. [°C]*

Nome	ΔT faccia interna	ΔT faccia esterna
termico	10	10

5.3 Quote

5.3.1 Livelli

***Descrizione breve**: nome sintetico assegnato al livello.*
***Descrizione**: nome assegnato al livello.*
***Quota**: quota superiore espressa nel sistema di riferimento assoluto. [cm]*
***Spessore**: spessore del livello. [cm]*

Descrizione breve	Descrizione	Quota	Spessore
L1	fondo corsa	-220	40
L2	Fondazione	-140	65
L3	p.lo 1	200	20
L4	Piano 1	380	20
L5	p.lo 2	535	20
L6	Piano 2	690	20
L7	p.lo 3	845	20
L8	Piano 3	1000	20
L9	p.lo 4	1155	20
L10	Piano 4	1310	20
L11	p.lo 5	1465	20
L12	Piano 5	1620	20
L13	p.lo 6	1775	20
L14	Piano 6	1930	20
L15	p.lo 7	2085	20
L16	Piano 7	2240	20
L17	p.lo 8	2395	20
L18	Piano 8	2550	20
L19	Parapetto 8	2680	20
L20	Piano 9	2860	20

5.3.2 Tronchi

***Descrizione breve**: nome sintetico assegnato al tronco.*
***Descrizione**: nome assegnato al tronco.*
***Quota 1**: riferimento della prima quota di definizione del tronco. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Quota 2**: riferimento della seconda quota di definizione del tronco. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*

Descrizione breve	Descrizione	Quota 1	Quota 2
T1	Fondazione - Piano 1	Fondazione	Piano 1
T2	Piano 1 - Piano 2	Piano 1	Piano 2
T3	Piano 2 - Piano 3	Piano 2	Piano 3
T4	Piano 3 - Piano 4	Piano 3	Piano 4
T5	Piano 4 - Piano 5	Piano 4	Piano 5
T6	Piano 5 - Piano 6	Piano 5	Piano 6
T7	Piano 6 - Piano 7	Piano 6	Piano 7
T8	Piano 7 - Piano 8	Piano 7	Piano 8
T9	Piano 8 - Piano 9	Piano 8	Piano 9
T10	Piano 8 - Parapetto 8	Piano 8	Parapetto 8
T11	fondo corsa - Fondazione	fondo corsa	Fondazione
T12	Piano 6 - p.lo 7	Piano 6	p.lo 7

5.4 Elementi di input

5.4.1 Fili fissi

5.4.1.1 Fili fissi di piano

***Livello**: quota di inserimento espressa con notazione breve esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Punto**: punto di inserimento.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Estradosso**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [cm]*
***Angolo**: angolo misurato dal semiasse positivo delle ascisse in verso antiorario. [deg]*
***Tipo**: tipo di simbolo.*
***T.c.**: testo completo visualizzato accanto al filo fisso, costituito dalla concatenazione del prefisso e del testo.*

Livello	Punto		Estradosso	Angolo	Tipo	T.c.
	X	Y				
L2	0	0	0	0	Croce	1

5.4.2 Travi C.A.

5.4.2.1 Travi C.A. di piano

***Sezione**: riferimento ad una definizione di sezione C.A..*
***P.i.**: posizione dei punti d'inserimento rispetto alla geometria della sezione. SA=Sinistra anima, CA=Centro anima, DA=Destra anima*
***Liv.**: quota del punto di inserimento iniziale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Punto i.**: punto di inserimento iniziale.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Punto f.**: punto di inserimento finale.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [cm]*
***Mat.**: riferimento ad una definizione di materiale calcestruzzo.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***P.lin.**: peso per unità di lunghezza. [daN/cm]*

Sezione	P.i.	Liv.	Punto i.		Punto f.		Estr.	Mat.	Car.lin.	Sovr.	S.Z	C.i.	C.f.	P.lin.
			X	Y	X	Y								
R 30x40	CA	L12	3049	0	3049	813	0	C30/37	Nessuno; G	0	No	No	No	3
R 30x40	CA	L12	3402	0	3402	813	0	C30/37	Nessuno; G	0	No	No	No	3
R 30x40	CA	L16	898	0	898	813	0	C30/37	Nessuno; G	0	No	No	No	3
R 30x40	CA	L16	1251	0	1251	813	0	C30/37	Nessuno; G	0	No	No	No	3

5.4.2.2 Travi C.A. tra quote

***Sezione**: riferimento ad una definizione di sezione C.A..*
***P.i.**: posizione dei punti d'inserimento rispetto alla geometria della sezione. SA=Sinistra anima, CA=Centro anima, DA=Destra anima*
***Quota i.**: quota del punto di inserimento iniziale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Quota f.**: quota del punto di inserimento finale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Punto i.**: punto di inserimento iniziale.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Punto f.**: punto di inserimento finale.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Mat.**: riferimento ad una definizione di materiale calcestruzzo.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***P.lin.**: peso per unità di lunghezza. [daN/cm]*

Sezione	P.i.	Quota i.	Quota f.	Punto i.		Punto f.		Mat.	Car.lin.	Sovr.	S.Z	C.i.	C.f.	P.lin.
				X	Y	X	Y							
R 130x20	CA	L3	L4	984.5	160	984.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L3	L2	1164.5	160	1164.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L3	L4	3135.5	160	3135.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L3	L2	3315.5	160	3315.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L5	L6	984.5	160	984.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L5	L4	3315.5	160	3315.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L5	L4	1164.5	160	1164.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L5	L6	3135.5	160	3135.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L7	L8	984.5	160	984.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L7	L8	3135.5	160	3135.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L7	L6	1164.5	160	1164.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L7	L6	3315.5	160	3315.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L9	L10	3135.5	160	3135.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L9	L8	1164.5	160	1164.5	373	C30/37	scala; G	0	No	No	No	6.5

Sezione	P.i.	Quota i.	Quota f.	Punto i.		Punto f.		Mat.	Car.lin.	Sovr.	S.Z	C.i.	C.f.	P.lin.
				X	Y	X	Y							
R 130x20	CA	L9	L10	984.5	160	984.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L9	L8	3315.5	160	3315.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L11	L10	1164.5	160	1164.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L11	L12	984.5	160	984.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L13	L14	984.5	160	984.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L13	L12	1164.5	160	1164.5	373	C30/37	scala; G	0	No	No	No	6.5

5.4.3 Travi in acciaio

5.4.3.1 Travi in acciaio di piano

***Sezione**: sezione in acciaio.*
***P.i.**: posizione dei punti d'inserimento rispetto alla geometria della sezione. S=Sinistra, C=Centro, D=Destra*
***Liv.**: quota del punto di inserimento iniziale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Punto i.**: punto di inserimento iniziale.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Punto f.**: punto di inserimento finale.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [cm]*
***Mat.**: riferimento ad una definizione di materiale in acciaio.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***P.lin.**: peso per unità di lunghezza. [daN/cm]*
***Cal.**: descrizione sintetica dell'eventuale calastrello della sezione accoppiata o composita.*

Sezione	P.i.	Liv.	Punto i.		Punto f.		Estr.	Mat.	Car.lin.	Sovr.	S.Z	C.i.	C.f.	P.lin.	Cal.
			X	Y	X	Y									
HEA100	C	L12	3064	0	3387	0	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L12	3064	800	3387	800	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L12	3064	600	3387	600	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L12	3064	500	3387	500	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L12	3064	700	3387	700	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L12	3064	300	3387	300	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L12	3064	200	3387	200	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L12	3064	100	3387	100	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L12	3064	400	3387	400	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L16	913	800	1236	800	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L16	913	0	1236	0	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L16	913	100	1236	100	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L16	913	200	1236	200	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L16	913	300	1236	300	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L16	913	400	1236	400	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L16	913	500	1236	500	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L16	913	600	1236	600	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L16	913	700	1236	700	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	

5.4.4 Pilastri C.A.

***Tr.**: riferimento al tronco indicante la quota inferiore e superiore.*
***Sezione**: riferimento ad una definizione di sezione C.A..*
***P.i.**: posizione del punto di inserimento rispetto alla geometria della sezione. SS=Sinistra-sotto, SC=Sinistra-centro, SA=Sinistra-alto, CS=Centro-sotto, CC=Centro-centro, CA=Centro-alto, DS=Destra-sotto, DC=Destra-centro, DA=Destra-alto*
***Punto**: posizione del punto di inserimento rispetto alla geometria della sezione.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Ang.**: angolo misurato dal semiasse positivo delle ascisse in verso antiorario. [deg]*
***Mat.**: riferimento ad una definizione di calcestruzzo.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***P.lin.**: peso per unità di lunghezza. [daN/cm]*
***Corr.**: lista di elementi correlati all'elemento generati durante la modellazione.*

Tr.	Sezione	P.i.	Punto		Ang.	Mat.	Car.lin.	Sovr.	S.Z	C.i.	C.f.	P.lin.	Corr.
			X	Y									
T1	R 30x70	CC	1654	448	90	C30/37	Nessuno; G	0	No	No	No	5.25	26
T1	R 50x50	CC	-375	25	0	C30/37	50x50; G	0	No	No	No	6.25	35
T1	R 30x60	CC	15	928	0	C30/37	30x60; G	0	No	No	No	4.5	34
T1	R 30x70	CC	15	468	0	C30/37	Nessuno; G	0	No	No	No	5.25	33
T1	R 30x70	CC	495	448	90	C30/37	Nessuno; G	0	No	No	No	5.25	32
T1	R 30x60	CC	495	948	90	C30/37	30x60; G	0	No	No	No	4.5	31
T1	R 30x60	CC	495	15	90	C30/37	30x60; G	0	No	No	No	4.5	30
T1	R 30x60	CC	898	30	0	C30/37	30x60; G	0	No	No	No	4.5	28-29
T1	R 30x60	CC	898	448	0	C30/37	30x60; G	0	No	No	No	4.5	27
T1	R 30x60	CC	1654	948	90	C30/37	30x60; G	0	No	No	No	4.5	25
T1	R 30x60	CC	1654	15	90	C30/37	30x60; G	0	No	No	No	4.5	24
T1	R 30x60	CC	1251	30	0	C30/37	30x60; G	0	No	No	No	4.5	22-23
T1	R 30x60	CC	1251	933	0	C30/37	30x60; G	0	No	No	No	4.5	21
T1	R 30x60	CC	1251	448	0	C30/37	30x60; G	0	No	No	No	4.5	20
T1	R 30x60	CC	2150	35	0	C30/37	30x60; G	0	No	No	No	4.5	19
T1	R 30x50	CC	4281	25	0	C30/37	30x50; G	0	No	No	No	3.75	1
T1	R 30x50	CC	4281	448	0	C30/37	30x50; G	0	No	No	No	3.75	2
T1	R 30x60	CC	2150	928	0	C30/37	30x60; G	0	No	No	No	4.5	18
T1	R 30x50	CC	4281	938	0	C30/37	30x50; G	0	No	No	No	3.75	3
T1	R 30x60	CC	3402	448	0	C30/37	30x60; G	0	No	No	No	4.5	4
T1	R 30x60	CC	3402	933	0	C30/37	30x60; G	0	No	No	No	4.5	5
T1	R 30x60	CC	3402	30	0	C30/37	30x60; G	0	No	No	No	4.5	6-7
T1	R 30x60	CC	3805	15	90	C30/37	30x60; G	0	No	No	No	4.5	8
T1	R 30x60	CC	3805	948	90	C30/37	30x60; G	0	No	No	No	4.5	9
T1	R 30x70	CC	2150	448	0	C30/37	Nessuno; G	0	No	No	No	5.25	17
T1	R 30x60	CC	3049	448	0	C30/37	30x60; G	0	No	No	No	4.5	11
T1	R 30x60	CC	3049	30	0	C30/37	30x60; G	0	No	No	No	4.5	12-13
T1	R 30x60	CC	2646	15	90	C30/37	30x60; G	0	No	No	No	4.5	14
T1	R 30x70	CC	2646	448	90	C30/37	Nessuno; G	0	No	No	No	5.25	15
T1	R 30x60	CC	2646	948	90	C30/37	30x60; G	0	No	No	No	4.5	16
T1	R 30x70	CC	3805	448	90	C30/37	Nessuno; G	0	No	No	No	5.25	10
T2	R 30x60	CC	2150	35	0	C30/37	30x60; G	0	No	No	No	4.5	54
T2	R 30x60	CC	1251	933	0	C30/37	30x60; G	0	No	No	No	4.5	56
T2	R 30x60	CC	1251	30	0	C30/37	30x60; G	0	No	No	No	4.5	57-58
T2	R 30x60	CC	1654	15	90	C30/37	30x60; G	0	No	No	No	4.5	59
T2	R 30x60	CC	1654	948	90	C30/37	30x60; G	0	No	No	No	4.5	60
T2	R 30x70	CC	1654	448	90	C30/37	Nessuno; G	0	No	No	No	5.25	61
T2	R 30x60	CC	898	448	0	C30/37	30x60; G	0	No	No	No	4.5	62
T2	R 30x60	CC	495	948	90	C30/37	30x60; G	0	No	No	No	4.5	66
T2	R 30x60	CC	495	15	90	C30/37	30x60; G	0	No	No	No	4.5	65
T2	R 30x70	CC	495	448	90	C30/37	Nessuno; G	0	No	No	No	5.25	67
T2	R 30x70	CC	15	468	0	C30/37	Nessuno; G	0	No	No	No	5.25	68
T2	R 30x60	CC	15	928	0	C30/37	30x60; G	0	No	No	No	4.5	69
T2	R 50x50	CC	-375	25	0	C30/37	50x50; G	0	No	No	No	6.25	70
T2	R 30x60	CC	898	30	0	C30/37	30x60; G	0	No	No	No	4.5	63-64
T2	R 30x60	CC	1251	448	0	C30/37	30x60; G	0	No	No	No	4.5	55
T2	R 30x60	CC	3805	948	90	C30/37	30x60; G	0	No	No	No	4.5	44
T2	R 30x50	CC	4281	25	0	C30/37	30x50; G	0	No	No	No	3.75	36
T2	R 30x60	CC	2150	928	0	C30/37	30x60; G	0	No	No	No	4.5	53
T2	R 30x50	CC	4281	448	0	C30/37	30x50; G	0	No	No	No	3.75	37
T2	R 30x50	CC	4281	938	0	C30/37	30x50; G	0	No	No	No	3.75	38
T2	R 30x60	CC	3402	448	0	C30/37	30x60; G	0	No	No	No	4.5	39
T2	R 30x60	CC	3402	933	0	C30/37	30x60; G	0	No	No	No	4.5	40
T2	R 30x60	CC	3402	30	0	C30/37	30x60; G	0	No	No	No	4.5	41-42
T2	R 30x60	CC	3805	15	90	C30/37	30x60; G	0	No	No	No	4.5	43
T2	R 30x70	CC	2150	448	0	C30/37	Nessuno; G	0	No	No	No	5.25	52
T2	R 30x70	CC	3805	448	90	C30/37	Nessuno; G	0	No	No	No	5.25	45
T2	R 30x60	CC	3049	448	0	C30/37	30x60; G	0	No	No	No	4.5	46
T2	R 30x60	CC	3049	30	0	C30/37	30x60; G	0	No	No	No	4.5	47-48
T2	R 30x60	CC	2646	15	90	C30/37	30x60; G	0	No	No	No	4.5	49
T2	R 30x70	CC	2646	448	90	C30/37	Nessuno; G	0	No	No	No	5.25	50
T2	R 30x60	CC	2646	948	90	C30/37	30x60; G	0	No	No	No	4.5	51
T3	R 30x60	CC	1251	448	0	C30/37	30x60; G	0	No	No	No	4.5	90
T3	R 30x60	CC	1251	933	0	C30/37	30x60; G	0	No	No	No	4.5	91
T3	R 30x60	CC	1251	30	0	C30/37	30x60; G	0	No	No	No	4.5	92-93
T3	R 30x60	CC	1654	15	90	C30/37	30x60; G	0	No	No	No	4.5	94
T3	R 30x60	CC	1654	948	90	C30/37	30x60; G	0	No	No	No	4.5	95
T3	R 30x60	CC	1654	448	90	C30/37	30x60; G	0	No	No	No	4.5	96
T3	R 30x60	CC	2150	928	0	C30/37	30x60; G	0	No	No	No	4.5	88
T3	R 30x60	CC	898	30	0	C30/37	30x60; G	0	No	No	No	4.5	98-99
T3	R 30x60	CC	2150	35	0	C30/37	30x60; G	0	No	No	No	4.5	89
T3	R 30x60	CC	495	948	90	C30/37	30x60; G	0	No	No	No	4.5	101
T3	R 30x60	CC	495	448	90	C30/37	30x60; G	0	No	No	No	4.5	102
T3	R 30x60	CC	15	468	0	C30/37	30x60; G	0	No	No	No	4.5	103
T3	R 30x60	CC	15	928	0	C30/37	30x60; G	0	No	No	No	4.5	104
T3	R 30x60	CC	898	448	0	C30/37	30x60; G	0	No	No	No	4.5	97
T3	R 30x60	CC	495	15	90	C30/37	30x60; G	0	No	No	No	4.5	100
T3	R 50x50	CC	-375	25	0	C30/37	50x50; G	0	No	No	No	6.25	105
T3	R 30x60	CC	2150	448	0	C30/37	30x60; G	0	No	No	No	4.5	87
T3	R 30x50	CC	4281	25	0	C30/37	30x50; G	0	No	No	No	3.75	71
T3	R 30x50	CC	4281	448	0	C30/37	30x50; G	0	No	No	No	3.75	72
T3	R 30x50	CC	4281	938	0	C30/37	30x50; G	0	No	No	No	3.75	73
T3	R 30x60	CC	3402	448	0	C30/37	30x60; G	0	No	No	No	4.5	74
T3	R 30x60	CC	3402	933	0	C30/37	30x60; G	0	No	No	No	4.5	75
T3	R 30x60	CC	3402	30	0	C30/37	30x60; G	0	No	No	No	4.5	76-77
T3	R 30x60	CC	2646	948	90	C30/37	30x60; G	0	No	No	No	4.5	86
T3	R 30x60	CC	3805	948	90	C30/37	30x60; G	0	No	No	No	4.5	79
T3	R 30x60	CC	3805	448	90	C30/37	30x60; G	0	No	No	No	4.5	80
T3	R 30x60	CC	3049	448	0	C30/37	30x60; G	0	No	No	No	4.5	81
T3	R 30x60	CC	3049	30	0	C30/37	30x60; G	0	No	No	No	4.5	82-83
T3	R 30x60	CC	2646	15	90	C30/37	30x60; G	0	No	No	No	4.5	84
T3	R 30x60	CC	2646	448	90	C30/37	30x60; G	0	No	No	No	4.5	85
T3	R 30x60	CC	3805	15	90	C30/37	30x60; G	0	No	No	No	4.5	78
T4	R 30x50	CC	1251	933	0	C30/37	30x50; G	0	No	No	No	3.75	126
T4	R 30x60	CC	1251	30	0	C30/37	30x60; G	0	No	No	No	4.5	127-128
T4	R 30x50	CC	1654	15	90	C30/37	30x50; G	0	No	No	No	3.75	129
T4	R 30x50	CC	1654	948	90	C30/37	30x50; G	0	No	No	No	3.75	130
T4	R 30x50	CC	1654	448	90	C30/37	30x50; G	0	No	No	No	3.75	131
T4	R 30x60	CC	898	448	0	C30/37	30x60; G	0	No	No	No	4.5	132

Tr.	Sezione	P.i.	Punto		Ang.	Mat.	Car.lin.	Sovr.	S.Z	C.i.	C.f.	P.lin.	Corr.
			X	Y									
T4	R 30x50	CC	2150	35	0	C30/37	30x50; G	0	No	No	No	3.75	124
T4	R 30x50	CC	495	15	90	C30/37	30x50; G	0	No	No	No	3.75	135
T4	R 30x50	CC	495	948	90	C30/37	30x50; G	0	No	No	No	3.75	136
T4	R 30x50	CC	15	468	0	C30/37	30x50; G	0	No	No	No	3.75	138
T4	R 30x50	CC	15	928	0	C30/37	30x50; G	0	No	No	No	3.75	139
T4	R 50x50	CC	-375	25	0	C30/37	50x50; G	0	No	No	No	6.25	140
T4	R 30x60	CC	1251	448	0	C30/37	30x60; G	0	No	No	No	4.5	125
T4	R 30x60	CC	898	30	0	C30/37	30x60; G	0	No	No	No	4.5	133-134
T4	R 30x50	CC	495	448	90	C30/37	30x50; G	0	No	No	No	3.75	137
T4	R 30x50	CC	2150	448	0	C30/37	30x50; G	0	No	No	No	3.75	122
T4	R 30x50	CC	3402	933	0	C30/37	30x50; G	0	No	No	No	3.75	110
T4	R 30x50	CC	2150	928	0	C30/37	30x50; G	0	No	No	No	3.75	123
T4	R 30x50	CC	4281	448	0	C30/37	30x50; G	0	No	No	No	3.75	107
T4	R 30x50	CC	4281	938	0	C30/37	30x50; G	0	No	No	No	3.75	108
T4	R 30x60	CC	3402	448	0	C30/37	30x60; G	0	No	No	No	4.5	109
T4	R 30x60	CC	3402	30	0	C30/37	30x60; G	0	No	No	No	4.5	111-112
T4	R 30x50	CC	3805	15	90	C30/37	30x50; G	0	No	No	No	3.75	113
T4	R 30x50	CC	4281	25	0	C30/37	30x50; G	0	No	No	No	3.75	106
T4	R 30x50	CC	3805	448	90	C30/37	30x50; G	0	No	No	No	3.75	115
T4	R 30x60	CC	3049	448	0	C30/37	30x60; G	0	No	No	No	4.5	116
T4	R 30x60	CC	3049	30	0	C30/37	30x60; G	0	No	No	No	4.5	117-118
T4	R 30x50	CC	2646	15	90	C30/37	30x50; G	0	No	No	No	3.75	119
T4	R 30x50	CC	2646	448	90	C30/37	30x50; G	0	No	No	No	3.75	120
T4	R 30x50	CC	2646	948	90	C30/37	30x50; G	0	No	No	No	3.75	121
T4	R 30x50	CC	3805	948	90	C30/37	30x50; G	0	No	No	No	3.75	114
T5	R 30x30 1	CC	3402	15	0	C30/37	30x30; G	0	No	No	No	2.25	170
T5	R 30x50	CC	15	468	0	C30/37	30x50; G	0	No	No	No	3.75	159
T5	R 30x50	CC	15	928	0	C30/37	30x50; G	0	No	No	No	3.75	160
T5	R 50x50	CC	-375	25	0	C30/37	50x50; G	0	No	No	No	6.25	161
T5	R 30x30 1	CC	2646	285	90	C30/37	30x30; G	0	No	No	No	2.25	162
T5	R 30x30 1	CC	2646	463	90	C30/37	30x30; G	0	No	No	No	2.25	163
T5	R 30x50	CC	495	948	90	C30/37	30x50; G	0	No	No	No	3.75	157
T5	R 30x30 1	CC	3402	798	90	C30/37	30x30; G	0	No	No	No	2.25	165
T5	R 30x30 1	CC	3402	463	90	C30/37	30x30; G	0	No	No	No	2.25	166
T5	R 30x30 1	CC	3622	798	90	C30/37	30x30; G	0	No	No	No	2.25	167
T5	R 30x30 1	CC	3622	285	90	C30/37	30x30; G	0	No	No	No	2.25	168
T5	R 30x30 1	CC	3622	463	90	C30/37	30x30; G	0	No	No	No	2.25	169
T5	R 30x30 1	CC	3049	463	90	C30/37	30x30; G	0	No	No	No	2.25	164
T5	R 30x50	CC	495	448	90	C30/37	30x50; G	0	No	No	No	3.75	158
T5	R 30x60	CC	1251	30	0	C30/37	30x60; G	0	No	No	No	4.5	148-149
T5	R 30x50	CC	2150	448	0	C30/37	30x50; G	0	No	No	No	3.75	143
T5	R 30x30 1	CC	3049	15	0	C30/37	30x30; G	0	No	No	No	2.25	141
T5	R 30x30 1	CC	2646	798	90	C30/37	30x30; G	0	No	No	No	2.25	142
T5	R 30x50	CC	495	15	90	C30/37	30x50; G	0	No	No	No	3.75	156
T5	R 30x50	CC	2150	928	0	C30/37	30x50; G	0	No	No	No	3.75	144
T5	R 30x50	CC	2150	35	0	C30/37	30x50; G	0	No	No	No	3.75	145
T5	R 30x60	CC	898	30	0	C30/37	30x60; G	0	No	No	No	4.5	154-155
T5	R 30x50	CC	1251	933	0	C30/37	30x50; G	0	No	No	No	3.75	147
T5	R 30x50	CC	1654	15	90	C30/37	30x50; G	0	No	No	No	3.75	150
T5	R 30x50	CC	1654	948	90	C30/37	30x50; G	0	No	No	No	3.75	151
T5	R 30x50	CC	1654	448	90	C30/37	30x50; G	0	No	No	No	3.75	152
T5	R 30x60	CC	898	448	0	C30/37	30x60; G	0	No	No	No	4.5	153
T5	R 30x60	CC	1251	448	0	C30/37	30x60; G	0	No	No	No	4.5	146
T6	R 30x50	CC	15	928	0	C30/37	30x50; G	0	No	No	No	3.75	227
T6	R 30x50	CC	15	468	0	C30/37	30x50; G	0	No	No	No	3.75	226
T6	R 30x50	CC	495	448	90	C30/37	30x50; G	0	No	No	No	3.75	225
T6	R 30x50	CC	495	948	90	C30/37	30x50; G	0	No	No	No	3.75	224
T6	R 30x50	CC	495	15	90	C30/37	30x50; G	0	No	No	No	3.75	223
T6	R 30x60	CC	898	30	0	C30/37	30x60; G	0	No	No	No	4.5	221-222
T6	R 30x50	CC	1654	448	90	C30/37	30x50; G	0	No	No	No	3.75	219
T6	R 30x60	CC	898	448	0	C30/37	30x60; G	0	No	No	No	4.5	220
T6	R 30x50	CC	1654	15	90	C30/37	30x50; G	0	No	No	No	3.75	217
T6	R 30x60	CC	1251	30	0	C30/37	30x60; G	0	No	No	No	4.5	215-216
T6	R 30x50	CC	1251	933	0	C30/37	30x50; G	0	No	No	No	3.75	214
T6	R 30x60	CC	1251	448	0	C30/37	30x60; G	0	No	No	No	4.5	213
T6	R 30x50	CC	2150	35	0	C30/37	30x50; G	0	No	No	No	3.75	212
T6	R 30x50	CC	2150	928	0	C30/37	30x50; G	0	No	No	No	3.75	211
T6	R 30x50	CC	2150	448	0	C30/37	30x50; G	0	No	No	No	3.75	210
T6	R 30x50	CC	1654	948	90	C30/37	30x50; G	0	No	No	No	3.75	218
T7	R 30x30 1	CC	2150	798	90	C30/37	30x30; G	0	No	No	No	2.25	281
T7	R 30x30 1	CC	1691	285	90	C30/37	30x30; G	0	No	No	No	2.25	280
T7	R 30x30 1	CC	1691	463	90	C30/37	30x30; G	0	No	No	No	2.25	279
T7	R 30x30 1	CC	1691	798	90	C30/37	30x30; G	0	No	No	No	2.25	278
T7	R 30x30 1	CC	1251	798	90	C30/37	30x30; G	0	No	No	No	2.25	277
T7	R 30x30 1	CC	647	463	90	C30/37	30x30; G	0	No	No	No	2.25	276
T7	R 30x30 1	CC	647	285	90	C30/37	30x30; G	0	No	No	No	2.25	275
T7	R 30x30 1	CC	2150	285	90	C30/37	30x30; G	0	No	No	No	2.25	283
T7	R 30x30 1	CC	898	15	0	C30/37	30x30; G	0	No	No	No	2.25	273
T7	R 30x30 1	CC	1251	15	0	C30/37	30x30; G	0	No	No	No	2.25	272
T7	R 30x30 1	CC	898	463	90	C30/37	30x30; G	0	No	No	No	2.25	270
T7	R 30x30 1	CC	247	463	90	C30/37	30x30; G	0	No	No	No	2.25	269
T7	R 30x30 1	CC	247	285	90	C30/37	30x30; G	0	No	No	No	2.25	268
T7	R 30x30 1	CC	247	798	90	C30/37	30x30; G	0	No	No	No	2.25	267
T7	R 30x30 1	CC	2150	463	90	C30/37	30x30; G	0	No	No	No	2.25	282
T7	R 30x30 1	CC	647	798	90	C30/37	30x30; G	0	No	No	No	2.25	274
T7	R 30x30 1	CC	1251	463	90	C30/37	30x30; G	0	No	No	No	2.25	271

5.4.5 Piastre C.A.

5.4.5.1 Piastre C.A. di piano

***Livello**: quota di inserimento espressa con notazione breve esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Sp.**: spessore misurato in direzione ortogonale al piano medio dell'elemento. [cm]*
***Punti**: punti di definizione in pianta.*
***I.**: indice del punto corrente nell'insieme dei punti di definizione dell'elemento.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*

***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [cm]*
***Mat.**: riferimento ad una definizione di calcestruzzo.*
***Car.sup.**: riferimento alla definizione di un carico superficiale. Accetta anche il valore "Nessuno".*
***Car.pot.**: riferimento alla definizione di un carico potenziale. Accetta anche il valore "Nessuno".*
***DeltaT**: riferimento alla definizione di una variazione termica. Accetta anche il valore "Nessuno".*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***P.sup.**: peso per unità di superficie. [daN/cm²]*
***Fond.**: riferimento alla fondazione sottostante l'elemento.*
***Fori**: riferimenti a tutti gli elementi che forano la piastra.*

Livello	Sp.	Punti			Estr.	Mat.	Car.sup.	Car.pot.	DeltaT	Sovr.	S.Z	P.sup.	Fond.	Fori
		I.	X	Y										
L1	40	1	3054	768	0	C30/37			termico	0	No	0.1		
		2	3224	768										
		3	3224	973										
		4	3054	973										
L1	40	1	903	768	0	C30/37			termico	0	No	0.1		
		2	1073	768										
		3	1073	973										
		4	903	973										
L2	65	1	-500	-120	0	C30/37			termico	0	No	0.1625		H1, H2
		2	4296	-120										
		3	4296	1143										
		4	-600	1143										
		5	-600	1069.8										
		6	-500	869.6										
L3	20	1	3387	30	0	C30/37	Scale		termico	0	No	0.05		
		2	3387	160										
		3	3064	160										
		4	3064	30										
L3	20	1	1236	30	0	C30/37	Scale		termico	0	No	0.05		
		2	1236	160										
		3	913	160										
		4	913	30										
L4	20	1	495	963	0	C30/37	Balconi		termico	0	No	0.05		
		2	495	1098										
		3	0	1098										
		4	0	963										
L4	20	1	3387	0	0	C30/37	Interni		termico	0	No	0.05		
		2	4296	0										
		3	4296	963										
		4	3805	963										
		5	3805	1083										
		6	3387	1083										
		7	3387	983										
L4	20	1	3064	373	0	C30/37	Scale		termico	0	No	0.05		
		2	3387	373										
		3	3387	983										
		4	3224	983										
		5	3224	788										
		6	3064	788										
L4	20	1	913	373	0	C30/37	Scale		termico	0	No	0.05		
		2	1236	373										
		3	1236	983										
		4	1073	983										
		5	1073	788										
		6	913	788										
L4	20	1	-400	0	0	C30/37	Balconi		termico	0	No	0.05		
		2	7	0										
		3	-226.8	468										
		4	0	468										
		5	0	963										
		6	-474	963										
		7	-400	814.8										
L4	20	1	3805	963	0	C30/37	Balconi		termico	0	No	0.05		
		2	4296	963										
		3	4296	1098										
		4	3805	1098										
L4	20	1	1654	1098	0	C30/37	Balconi		termico	0	No	0.05		
		2	1654	963										
		3	2646	963										
		4	2646	1098										
L4	20	1	3437	0	0	C30/37	Balconi		termico	0	No	0.05		
		2	3437	-215										
		3	3760	-215										
		4	3760	0										
L4	20	1	2704	0	0	C30/37	Balconi		termico	0	No	0.05		
		2	2704	-215										
		3	3024	-215										
		4	3024	0										
L4	20	1	1291	0	0	C30/37	Balconi		termico	0	No	0.05		
		2	1291	-215										
		3	1614	-215										
		4	1614	0										
L4	20	1	495	963	0	C30/37	Interni		termico	0	No	0.05		
		2	0	963										
		3	0	468										
		4	-226.8	468										
		5	7	0										
		6	913	0										
		7	913	1083										
		8	495	1083										
L4	20	1	100	0	0	C30/37	Balconi		termico	0	No	0.05		
		2	100	-215										
		3	420	-215										
		4	420	0										
L4	20	1	1236	0	0	C30/37	Interni		termico	0	No	0.05		

Livello	Sp.	Punti			Estr.	Mat.	Car.sup.	Car.pot.	DeltaT	Sovr.	S.Z	P.sup.	Fond.	Fori
		I.	X	Y										
		2	3064	0										
		3	3064	1083										
		4	2646	1083										
		5	2646	963										
		6	1654	963										
		7	1654	1083										
		8	1236	1083										
L5	20	1	3387	30	0	C30/37	Scale		termico	0	No	0.05		
		2	3387	160										
		3	3064	160										
		4	3064	30										
L5	20	1	1236	30	0	C30/37	Scale		termico	0	No	0.05		
		2	1236	160										
		3	913	160										
		4	913	30										
L6	20	1	495	963	0	C30/37	Balconi		termico	0	No	0.05		
		2	495	1098										
		3	0	1098										
		4	0	963										
L6	20	1	3387	0	0	C30/37	Interni		termico	0	No	0.05		
		2	4296	0										
		3	4296	963										
		4	3805	963										
		5	3805	1083										
		6	3387	1083										
		7	3387	983										
L6	20	1	3064	373	0	C30/37	Scale		termico	0	No	0.05		
		2	3387	373										
		3	3387	983										
		4	3224	983										
		5	3224	788										
		6	3064	788										
L6	20	1	913	373	0	C30/37	Scale		termico	0	No	0.05		
		2	1236	373										
		3	1236	983										
		4	1073	983										
		5	1073	788										
		6	913	788										
L6	20	1	1236	0	0	C30/37	Interni		termico	0	No	0.05		
		2	3064	0										
		3	3064	1083										
		4	2646	1083										
		5	2646	963										
		6	1654	963										
		7	1654	1083										
		8	1236	1083										
L6	20	1	3805	963	0	C30/37	Balconi		termico	0	No	0.05		
		2	4296	963										
		3	4296	1098										
		4	3805	1098										
L6	20	1	1654	1098	0	C30/37	Balconi		termico	0	No	0.05		
		2	1654	963										
		3	2646	963										
		4	2646	1098										
L6	20	1	3437	0	0	C30/37	Balconi		termico	0	No	0.05		
		2	3437	-215										
		3	3760	-215										
		4	3760	0										
L6	20	1	2208	0	0	C30/37	Balconi		termico	0	No	0.05		
		2	2208	-200										
		3	2528	-200										
		4	2528	0										
L6	20	1	1731	0	0	C30/37	Balconi		termico	0	No	0.05		
		2	1731	-145										
		3	2054	-145										
		4	2054	0										
L6	20	1	553	0	0	C30/37	Balconi		termico	0	No	0.05		
		2	553	-215										
		3	873	-215										
		4	873	0										
L6	20	1	495	963	0	C30/37	Interni		termico	0	No	0.05		
		2	0	963										
		3	0	468										
		4	-226.8	468										
		5	7	0										
		6	913	0										
		7	913	1083										
		8	495	1083										
L6	20	1	-400	0	0	C30/37	Balconi		termico	0	No	0.05		
		2	7	0										
		3	-226.8	468										
		4	0	468										
		5	0	963										
		6	-474	963										
		7	-400	814.8										
L7	20	1	1236	30	0	C30/37	Scale		termico	0	No	0.05		
		2	1236	160										
		3	913	160										
		4	913	30										
L7	20	1	3387	30	0	C30/37	Scale		termico	0	No	0.05		
		2	3387	160										
		3	3064	160										
		4	3064	30										
L8	20	1	100	0	0	C30/37	Balconi		termico	0	No	0.05		
		2	100	-215										
		3	420	-215										
		4	420	0										
L8	20	1	495	963	0	C30/37	Balconi		termico	0	No	0.05		
		2	495	1098										

Livello	Sp.	Punti			Estr.	Mat.	Car.sup.	Car.pot.	DeltaT	Sovr.	S.Z	P.sup.	Fond.	Fori
		I.	X	Y										
		3	0	1098										
		4	0	963										
L8	20	1	2208	0	0	C30/37	Balconi		termico	0	No	0.05		
		2	2208	-200										
		3	2528	-200										
		4	2528	0										
L8	20	1	3064	373	0	C30/37	Scale		termico	0	No	0.05		
		2	3387	373										
		3	3387	983										
		4	3224	983										
		5	3224	788										
		6	3064	788										
L8	20	1	913	373	0	C30/37	Scale		termico	0	No	0.05		
		2	1236	373										
		3	1236	983										
		4	1073	983										
		5	1073	788										
		6	913	788										
L8	20	1	1236	0	0	C30/37	Interni		termico	0	No	0.05		
		2	3064	0										
		3	3064	1083										
		4	2646	1083										
		5	2646	963										
		6	1654	963										
		7	1654	1083										
		8	1236	1083										
L8	20	1	3805	963	0	C30/37	Balconi		termico	0	No	0.05		
		2	4296	963										
		3	4296	1098										
		4	3805	1098										
L8	20	1	1654	1098	0	C30/37	Balconi		termico	0	No	0.05		
		2	1654	963										
		3	2646	963										
		4	2646	1098										
L8	20	1	3437	0	0	C30/37	Balconi		termico	0	No	0.05		
		2	3437	-215										
		3	3760	-215										
		4	3760	0										
L8	20	1	1291	0	0	C30/37	Balconi		termico	0	No	0.05		
		2	1291	-215										
		3	1614	-215										
		4	1614	0										
L8	20	1	495	963	0	C30/37	Interni		termico	0	No	0.05		
		2	0	963										
		3	0	468										
		4	-226.8	468										
		5	7	0										
		6	913	0										
		7	913	1083										
		8	495	1083										
L8	20	1	-400	0	0	C30/37	Balconi		termico	0	No	0.05		
		2	7	0										
		3	-226.8	468										
		4	0	468										
		5	0	963										
		6	-474	963										
		7	-400	814.8										
L8	20	1	3387	0	0	C30/37	Interni		termico	0	No	0.05		
		2	4296	0										
		3	4296	963										
		4	3805	963										
		5	3805	1083										
		6	3387	1083										
		7	3387	983										
L9	20	1	3387	30	0	C30/37	Scale		termico	0	No	0.05		
		2	3387	160										
		3	3064	160										
		4	3064	30										
L9	20	1	1236	30	0	C30/37	Scale		termico	0	No	0.05		
		2	1236	160										
		3	913	160										
		4	913	30										
L10	20	1	2165	0	0	C30/37	Balconi		termico	0	No	0.05		
		2	3064	0										
		3	3064	1083										
		4	2646	1083										
		5	2646	963										
		6	2165	963										
L10	20	1	913	373	0	C30/37	Scale		termico	0	No	0.05		
		2	1236	373										
		3	1236	983										
		4	1073	983										
		5	1073	788										
		6	913	788										
L10	20	1	-400	0	0	C30/37	Balconi		termico	0	No	0.05		
		2	7	0										
		3	-226.8	468										
		4	0	468										
		5	0	963										
		6	-474	963										
		7	-400	814.8										
L10	20	1	495	963	0	C30/37	Interni		termico	0	No	0.05		
		2	0	963										
		3	0	468										
		4	-226.8	468										
		5	7	0										
		6	913	0										
		7	913	1083										
		8	495	1083										

Livello	Sp.	Punti			Estr.	Mat.	Car.sup.	Car.pot.	DeltaT	Sovr.	S.Z	P.sup.	Fond.	Fori
		I.	X	Y										
L10	20	1	1654	1098	0	C30/37	Balconi		termico	0	No	0.05		
		2	1654	963										
		3	2646	963										
		4	2646	1098										
L10	20	1	3805	963	0	C30/37	Balconi		termico	0	No	0.05		
		2	4296	963										
		3	4296	1098										
		4	3805	1098										
L10	20	1	1236	0	0	C30/37	Interni		termico	0	No	0.05		
		2	2165	0										
		3	2165	963										
		4	1654	963										
		5	1654	1083										
		6	1236	1083										
L10	20	1	3064	373	0	C30/37	Scale		termico	0	No	0.05		
		2	3387	373										
		3	3387	983										
		4	3224	983										
		5	3224	788										
		6	3064	788										
L10	20	1	3387	0	0	C30/37	Balconi		termico	0	No	0.05		
		2	4296	0										
		3	4296	963										
		4	3805	963										
		5	3805	1083										
		6	3387	1083										
		7	3387	983										
L10	20	1	100	0	0	C30/37	Balconi		termico	0	No	0.05		
		2	100	-215										
		3	420	-215										
		4	420	0										
L10	20	1	495	963	0	C30/37	Balconi		termico	0	No	0.05		
		2	495	1098										
		3	0	1098										
		4	0	963										
L10	20	1	1731	0	0	C30/37	Balconi		termico	0	No	0.05		
		2	1731	-145										
		3	2054	-145										
		4	2054	0										
L11	20	1	1236	30	0	C30/37	Scale		termico	0	No	0.05		
		2	1236	160										
		3	913	160										
		4	913	30										
L12	20	1	-400	0	0	C30/37	Balconi		termico	0	No	0.05		
		2	7	0										
		3	-226.8	468										
		4	0	468										
		5	0	963										
		6	-474	963										
		7	-400	814.8										
L12	20	1	495	963	0	C30/37	Interni		termico	0	No	0.05		
		2	0	963										
		3	0	468										
		4	-226.8	468										
		5	7	0										
		6	913	0										
		7	913	1083										
		8	495	1083										
L12	20	1	100	0	0	C30/37	Balconi		termico	0	No	0.05		
		2	100	-215										
		3	420	-215										
		4	420	0										
L12	20	1	1654	1098	0	C30/37	Balconi		termico	0	No	0.05		
		2	1654	963										
		3	2165	963										
		4	2165	1098										
L12	20	1	1236	0	0	C30/37	Interni		termico	0	No	0.05		
		2	2165	0										
		3	2165	963										
		4	1654	963										
		5	1654	1083										
		6	1236	1083										
L12	20	1	913	373	0	C30/37	Scale		termico	0	No	0.05		
		2	1236	373										
		3	1236	983										
		4	1073	983										
		5	1073	788										
		6	913	788										
L12	20	1	495	963	0	C30/37	Balconi		termico	0	No	0.05		
		2	495	1098										
		3	0	1098										
		4	0	963										
L12	20	1	3387	813	0	C30/37	Copertura cantine		termico	0	No	0.05		
		2	3387	270										
		3	3637	270										
		4	3637	813										
L12	20	1	2165	813	0	C30/37	Copertura cantine		termico	0	No	0.05		
		2	2165	270										
		3	3064	270										
		4	3064	813										
L12	20	1	1291	0	0	C30/37	Balconi		termico	0	No	0.05		
		2	1291	-215										
		3	1614	-215										
		4	1614	0										
L13	20	1	1236	30	0	C30/37	Scale		termico	0	No	0.05		
		2	1236	160										
		3	913	160										

Livello	Sp.	Punti			Estr.	Mat.	Car.sup.	Car.pot.	DeltaT	Sovr.	S.Z	P.sup.	Fond.	Fori
		I.	X	Y										
		4	913	30										
L14	20	1	1236	0	0	C30/37	Balconi		termico	0	No	0.05		
		2	2165	0										
		3	2165	963										
		4	1654	963										
		5	1654	1083										
		6	1236	1083										
L14	20	1	-226.8	468	0	C30/37	Balconi		termico	0	No	0.05		
		2	0	468										
		3	0	1098										
		4	-541.4	1098										
		5	-400	814.8										
L14	20	1	495	963	0	C30/37	Balconi		termico	0	No	0.05		
		2	495	1098										
		3	0	1098										
		4	0	963										
L14	20	1	495	963	0	C30/37	Balconi		termico	0	No	0.05		
		2	0	963										
		3	0	468										
		4	-226.8	468										
		5	7	0										
		6	913	0										
		7	913	1083										
		8	495	1083										
L14	20	1	1654	1098	0	C30/37	Balconi		termico	0	No	0.05		
		2	1654	963										
		3	2165	963										
		4	2165	1098										
L14	20	1	913	373	0	C30/37	Scale		termico	0	No	0.05		
		2	1236	373										
		3	1236	983										
		4	1073	983										
		5	1073	788										
		6	913	788										
L16	20	1	1236	813	0	C30/37	Copertura cantine		termico	0	No	0.05		
		2	1236	270										
		3	2165	270										
		4	2165	813										
L16	20	1	232	813	0	C30/37	Copertura cantine		termico	0	No	0.05		
		2	232	270										
		3	913	270										
		4	913	813										

5.4.6 Fondazioni di piastre

***Descrizione breve**: descrizione breve usata nelle tabelle dei capitoli delle piastre di fondazione.*
***Stratigrafia**: stratigrafia del terreno nel punto medio in pianta dell'elemento.*
***Sondaggio**: è possibile indicare esplicitamente un sondaggio definito nelle preferenze oppure richiedere di estrapolare il sondaggio dalla definizione del sito espressa nelle preferenze.*
***Estradosso**: distanza dalla quota superiore del sondaggio misurata in verticale con verso positivo verso l'alto. [cm]*
***Deformazione volumetrica**: valore della deformazione volumetrica impiegato nel calcolo della pressione limite a rottura con la formula di Vesic. Il valore è adimensionale. Accetta anche il valore di default espresso nelle preferenze.*
***Angolo pendio**: angolo del pendio rispetto l'orizzontale; il valore deve essere positivo per opere in sommità di un pendio mentre deve essere negativo per opere al piede di un pendio. [deg]*
***K verticale**: coefficiente di sottofondo verticale del letto di molle. [daN/cm³]*
***Limite compressione**: pressione limite di plasticizzazione a compressione del letto di molle. [daN/cm²]*
***Limite trazione**: pressione limite di plasticizzazione a trazione del letto di molle. [daN/cm²]*

Descrizione breve	Stratigrafia			Angolo pendio	K verticale	Limite compressione	Limite trazione
	Sondaggio	Estradosso	Deformazione volumetrica				
FS1	Piu' vicino in sito	0		0	1	10	0.001

5.4.7 Pareti C.A.

***Tr.**: riferimento al tronco indicante la quota inferiore e superiore.*
***Sp.**: spessore misurato in direzione ortogonale al piano medio dell'elemento. [cm]*
***P.i.**: posizione del punto di inserimento rispetto ad una sezione verticale, vista dal punto iniziale verso il punto finale.*
***Punto i.**: punto iniziale in pianta.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Punto f.**: punto finale in pianta.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Mat.**: riferimento ad una definizione di calcestruzzo.*
***Car.pot.**: riferimento alla definizione di un carico potenziale. Accetta anche il valore "Nessuno".*
***DeltaT**: riferimento alla definizione di una variazione termica. Accetta anche il valore "Nessuno".*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***Aperture**: Riferimenti a tutti gli elementi che forano la parete.*

Tr.	Sp.	P.i.	Punto i.		Punto f.		Mat.	Car.pot.	DeltaT	Sovr.	S.Z	Aperture
			X	Y	X	Y						
T11	20	Centro	3054	768	3224	768	C30/37		termico	0	No	
T11	20	Centro	3054	973	3224	973	C30/37		termico	0	No	
T11	20	Centro	3054	768	3054	973	C30/37		termico	0	No	
T11	20	Centro	903	768	1073	768	C30/37		termico	0	No	
T11	20	Centro	1073	973	1073	768	C30/37		termico	0	No	

Tr.	Sp.	P.i.	Punto i.		Punto f.		Mat.	Car.pot.	DeltaT	Sovr.	S.Z	Aperture
			X	Y	X	Y						
T11	20	Centro	903	973	1073	973	C30/37		termico	0	No	
T11	20	Centro	903	768	903	973	C30/37		termico	0	No	
T11	20	Centro	3224	973	3224	768	C30/37		termico	0	No	
T1	20	Centro	3224	973	3224	768	C30/37		termico	0	No	
T1	20	Centro	3054	973	3224	973	C30/37		termico	0	No	
T1	20	Centro	3054	768	3054	973	C30/37		termico	0	No	
T1	20	Centro	903	768	903	973	C30/37		termico	0	No	
T1	30	Centro	-400	814.8	-358.2	731.2	C30/37		termico	0	No	
T1	30	Centro	7	0	60.9	-107.9	C30/37		termico	0	No	
T1	30	Centro	-19.5	53.1	7	0	C30/37		termico	0	No	
T1	30	Centro	-251.9	518.3	-202.7	419.9	C30/37		termico	0	No	
T1	30	Centro	-541.4	1098	-400	814.8	C30/37		termico	0	No	
T1	20	Centro	1073	973	1073	768	C30/37		termico	0	No	
T1	20	Centro	903	973	1073	973	C30/37		termico	0	No	
T2	20	Centro	1073	973	1073	768	C30/37		termico	0	No	
T2	20	Centro	903	973	1073	973	C30/37		termico	0	No	
T2	20	Centro	903	768	903	973	C30/37		termico	0	No	
T2	20	Centro	3054	768	3054	973	C30/37		termico	0	No	
T2	20	Centro	3054	973	3224	973	C30/37		termico	0	No	
T2	20	Centro	3224	973	3224	768	C30/37		termico	0	No	
T2	30	Centro	-541.4	1098	-400	814.8	C30/37		termico	0	No	
T2	30	Centro	-251.9	518.3	-202.7	419.9	C30/37		termico	0	No	
T2	30	Centro	-19.5	53.1	7	0	C30/37		termico	0	No	
T2	30	Centro	7	0	60.9	-107.9	C30/37		termico	0	No	
T2	30	Centro	-400	814.8	-358.2	731.2	C30/37		termico	0	No	
T3	30	Centro	-251.9	518.3	-202.7	419.9	C30/37		termico	0	No	
T3	20	Centro	3054	973	3224	973	C30/37		termico	0	No	
T3	20	Centro	903	768	903	973	C30/37		termico	0	No	
T3	20	Centro	1073	973	1073	768	C30/37		termico	0	No	
T3	30	Centro	-400	814.8	-358.2	731.2	C30/37		termico	0	No	
T3	30	Centro	7	0	60.9	-107.9	C30/37		termico	0	No	
T3	30	Centro	-19.5	53.1	7	0	C30/37		termico	0	No	
T3	20	Centro	3054	768	3054	973	C30/37		termico	0	No	
T3	30	Centro	-541.4	1098	-400	814.8	C30/37		termico	0	No	
T3	20	Centro	903	973	1073	973	C30/37		termico	0	No	
T3	20	Centro	3224	973	3224	768	C30/37		termico	0	No	
T4	30	Centro	-400	814.8	-358.2	731.2	C30/37		termico	0	No	
T4	20	Centro	903	768	903	973	C30/37		termico	0	No	
T4	20	Centro	903	973	1073	973	C30/37		termico	0	No	
T4	20	Centro	1073	973	1073	768	C30/37		termico	0	No	
T4	30	Centro	7	0	60.9	-107.9	C30/37		termico	0	No	
T4	20	Centro	3054	768	3054	973	C30/37		termico	0	No	
T4	20	Centro	3054	973	3224	973	C30/37		termico	0	No	
T4	20	Centro	3224	973	3224	768	C30/37		termico	0	No	
T4	30	Centro	-541.4	1098	-400	814.8	C30/37		termico	0	No	
T4	30	Centro	-251.9	518.3	-202.7	419.9	C30/37		termico	0	No	
T4	30	Centro	-19.5	53.1	7	0	C30/37		termico	0	No	
T5	20	Centro	3224	973	3224	768	C30/37		termico	0	No	
T5	20	Centro	903	768	903	973	C30/37		termico	0	No	
T5	20	Centro	903	973	1073	973	C30/37		termico	0	No	
T5	20	Centro	1073	973	1073	768	C30/37		termico	0	No	
T5	20	Centro	3054	768	3054	973	C30/37		termico	0	No	
T5	20	Centro	3054	973	3224	973	C30/37		termico	0	No	
T5	30	Centro	-541.4	1098	-400	814.8	C30/37		termico	0	No	
T5	30	Centro	-251.9	518.3	-202.7	419.9	C30/37		termico	0	No	
T5	30	Centro	-19.5	53.1	7	0	C30/37		termico	0	No	
T5	30	Centro	7	0	60.9	-107.9	C30/37		termico	0	No	
T5	30	Centro	-400	814.8	-358.2	731.2	C30/37		termico	0	No	
T6	30	Centro	-541.4	1098	-400	814.8	C30/37		termico	0	No	
T6	30	Centro	-251.9	518.3	-202.7	419.9	C30/37		termico	0	No	
T6	30	Centro	-19.5	53.1	7	0	C30/37		termico	0	No	
T6	30	Centro	7	0	60.9	-107.9	C30/37		termico	0	No	
T6	30	Centro	-400	814.8	-358.2	731.2	C30/37		termico	0	No	
T6	20	Centro	903	973	1073	973	C30/37		termico	0	No	
T6	20	Centro	1073	973	1073	768	C30/37		termico	0	No	
T6	20	Centro	903	768	903	973	C30/37		termico	0	No	
T12	20	Centro	-251.9	518.3	-202.7	419.9	C30/37		termico	0	No	
T7	20	Centro	903	973	1073	973	C30/37		termico	0	No	
T12	20	Centro	-202.7	419.9	-19.5	53.1	C30/37		termico	0	No	
T12	20	Centro	-358.2	731.2	-251.9	518.3	C30/37		termico	0	No	
T12	20	Centro	-400	814.8	-358.2	731.2	C30/37		termico	0	No	
T12	20	Centro	7	0	60.9	-107.9	C30/37		termico	0	No	
T12	20	Centro	-19.5	53.1	7	0	C30/37		termico	0	No	
T12	20	Centro	-541.4	1098	-400	814.8	C30/37		termico	0	No	
T7	20	Centro	1073	973	1073	768	C30/37		termico	0	No	
T7	20	Centro	903	768	903	973	C30/37		termico	0	No	

5.4.8 Carichi lineari

5.4.8.1 Carichi lineari di piano

***Carico**: riferimento alla definizione di un carico lineare.*
***Livello**: quota del punto di inserimento iniziale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Punto i.**: punto di inserimento iniziale.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Punto f.**: punto di inserimento finale.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [cm]*

Carico	Livello	Punto i.		Punto f.		Estr.
		X	Y	X	Y	
muri	Piano 1	30	948	460	948	0
muri	Piano 1	2681	15	3034	15	0
muri	Piano 1	2165	15	2611	15	0

Carico	Livello	Punto i.		Punto f.		Estr.
		X	Y	X	Y	
muri	Piano 1	1689	15	2135	15	0
muri	Piano 1	1266	15	1619	15	0
muri	Piano 1	1599	-215	1599	0	0
muri	Piano 1	1251	70	1251	413	0
muri	Piano 1	898	70	898	413	0
muri	Piano 1	30	15	460	15	0
muri	Piano 1	3009	-215	3009	0	0
muri	Piano 1	405	-215	405	0	0
muri	Piano 1	3402	483	3402	893	0
muri	Piano 1	3049	483	3049	768	0
muri	Piano 1	1251	483	1251	893	0
muri	Piano 1	2150	70	2150	413	0
muri	Piano 1	2150	483	2150	893	0
muri	Piano 1	15	503	15	893	0
muri	Piano 1	-199.6	448	0	448	0
muri	Piano 1	-202.7	419.9	-19.5	53.1	0
muri	Piano 1	898	483	898	768	0
muri	Piano 1	3049	70	3049	413	0
muri	Piano 1	530	15	883	15	0
muri	Piano 1	3745	-215	3745	0	0
muri	Piano 1	3402	70	3402	413	0
muri	Piano 1	495	1083	903	1083	0
muri	Piano 1	903	973	903	1083	0
muri	Piano 1	1251	963	1251	1083	0
muri	Piano 1	1251	1083	1654	1083	0
muri	Piano 1	1654	963	1654	1083	0
muri	Piano 1	1689	948	2135	948	0
muri	Piano 1	2165	948	2611	948	0
muri	Piano 1	2646	963	2646	1083	0
muri	Piano 1	2646	1083	3054	1083	0
muri	Piano 1	495	963	495	1083	0
muri	Piano 1	3402	963	3402	1083	0
muri	Piano 1	3805	963	3805	1083	0
muri	Piano 1	3402	1083	3805	1083	0
muri	Piano 1	3840	948	4266	948	0
muri	Piano 1	4281	483	4281	893	0
muri	Piano 1	4281	70	4281	413	0
muri	Piano 1	3840	15	4266	15	0
muri	Piano 1	3417	15	3770	15	0
muri	Piano 1	3054	973	3054	1083	0
muri	Piano 2	2513	-200	2513	0	0
muri	Piano 2	898	70	898	413	0
muri	Piano 2	1251	70	1251	413	0
muri	Piano 2	2039	-145	2039	0	0
muri	Piano 2	2681	15	3034	15	0
muri	Piano 2	1689	15	2135	15	0
muri	Piano 2	2165	15	2611	15	0
muri	Piano 2	530	15	883	15	0
muri	Piano 2	1266	15	1619	15	0
muri	Piano 2	30	15	460	15	0
muri	Piano 2	1251	483	1251	893	0
muri	Piano 2	898	483	898	768	0
muri	Piano 2	3402	483	3402	893	0
muri	Piano 2	3049	483	3049	768	0
muri	Piano 2	2150	70	2150	413	0
muri	Piano 2	2150	483	2150	893	0
muri	Piano 2	15	503	15	893	0
muri	Piano 2	-199.6	448	0	448	0
muri	Piano 2	-202.7	419.9	-19.5	53.1	0
muri	Piano 2	858	-215	858	0	0
muri	Piano 2	3049	70	3049	413	0
muri	Piano 2	2646	1083	3054	1083	0
muri	Piano 2	3745	-215	3745	0	0
muri	Piano 2	3402	70	3402	413	0
muri	Piano 2	495	963	495	1083	0
muri	Piano 2	495	1083	903	1083	0
muri	Piano 2	903	973	903	1083	0
muri	Piano 2	1251	963	1251	1083	0
muri	Piano 2	1251	1083	1654	1083	0
muri	Piano 2	1654	963	1654	1083	0
muri	Piano 2	1689	948	2135	948	0
muri	Piano 2	2165	948	2611	948	0
muri	Piano 2	2646	963	2646	1083	0
muri	Piano 2	30	948	460	948	0
muri	Piano 2	3054	973	3054	1083	0
muri	Piano 2	3840	15	4266	15	0
muri	Piano 2	4281	70	4281	413	0
muri	Piano 2	4281	483	4281	893	0
muri	Piano 2	3417	15	3770	15	0
muri	Piano 2	3402	1083	3805	1083	0
muri	Piano 2	3805	963	3805	1083	0
muri	Piano 2	3402	963	3402	1083	0
muri	Piano 2	3840	948	4266	948	0
muri	Piano 3	530	15	883	15	0
muri	Piano 3	2681	15	3034	15	0
muri	Piano 3	2165	15	2611	15	0
muri	Piano 3	1689	15	2135	15	0
muri	Piano 3	1266	15	1619	15	0
muri	Piano 3	1599	-215	1599	0	0
muri	Piano 3	1251	70	1251	413	0
muri	Piano 3	898	70	898	413	0
muri	Piano 3	30	15	460	15	0
muri	Piano 3	2150	70	2150	413	0
muri	Piano 3	3402	483	3402	893	0
muri	Piano 3	3049	483	3049	768	0
muri	Piano 3	1251	483	1251	893	0
muri	Piano 3	2513	-200	2513	0	0
muri	Piano 3	2150	483	2150	893	0
muri	Piano 3	15	503	15	893	0

Carico	Livello	Punto i.		Punto f.		Estr.
		X	Y	X	Y	
muri	Piano 3	-199.6	448	0	448	0
muri	Piano 3	-202.7	419.9	-19.5	53.1	0
muri	Piano 3	405	-215	405	0	0
muri	Piano 3	898	483	898	768	0
muri	Piano 3	3049	70	3049	413	0
muri	Piano 3	1251	963	1251	1083	0
muri	Piano 3	3745	-215	3745	0	0
muri	Piano 3	30	948	460	948	0
muri	Piano 3	495	963	495	1083	0
muri	Piano 3	495	1083	903	1083	0
muri	Piano 3	903	973	903	1083	0
muri	Piano 3	3402	70	3402	413	0
muri	Piano 3	1251	1083	1654	1083	0
muri	Piano 3	1654	963	1654	1083	0
muri	Piano 3	1689	948	2135	948	0
muri	Piano 3	2646	963	2646	1083	0
muri	Piano 3	2165	948	2611	948	0
muri	Piano 3	3054	973	3054	1083	0
muri	Piano 3	3402	963	3402	1083	0
muri	Piano 3	3805	963	3805	1083	0
muri	Piano 3	3402	1083	3805	1083	0
muri	Piano 3	3840	948	4266	948	0
muri	Piano 3	4281	483	4281	893	0
muri	Piano 3	4281	70	4281	413	0
muri	Piano 3	3840	15	4266	15	0
muri	Piano 3	3417	15	3770	15	0
muri	Piano 3	2646	1083	3054	1083	0
muri	Piano 4	1251	483	1251	893	0
muri	Piano 4	30	15	460	15	0
muri	Piano 4	898	483	898	768	0
muri	Piano 4	3049	483	3049	768	0
muri	Piano 4	2150	70	2150	413	0
muri	Piano 4	405	-215	405	0	0
muri	Piano 4	15	503	15	893	0
muri	Piano 4	-199.6	448	0	448	0
muri	Piano 4	-202.7	419.9	-19.5	53.1	0
muri	Piano 4	2039	-145	2039	0	0
muri	Piano 4	898	70	898	413	0
muri	Piano 4	2150	483	2150	893	0
muri	Piano 4	1251	70	1251	413	0
muri	Piano 4	530	15	883	15	0
muri	Piano 4	1689	15	2135	15	0
muri	Piano 4	1266	15	1619	15	0
muri	Piano 4	2681	270	3034	270	0
muri	Piano 4	30	948	460	948	0
muri	Piano 4	495	963	495	1083	0
muri	Piano 4	495	1083	903	1083	0
muri	Piano 4	903	973	903	1083	0
muri	Piano 4	2681	813	3034	813	0
muri	Piano 4	1251	1083	1654	1083	0
muri	Piano 4	1654	963	1654	1083	0
muri	Piano 4	1689	948	2135	948	0
muri	Piano 4	2165	813	2611	813	0
muri	Piano 4	3049	270	3049	413	0
muri	Piano 4	1251	963	1251	1083	0
muri	Piano 4	2165	270	2611	270	0
muri	Piano 5	1251	483	1251	893	0
muri	Piano 5	2150	70	2150	413	0
muri	Piano 5	2150	483	2150	893	0
muri	Piano 5	-199.6	448	0	448	0
muri	Piano 5	898	483	898	768	0
muri	Piano 5	-202.7	419.9	-19.5	53.1	0
muri	Piano 5	1599	-215	1599	0	0
muri	Piano 5	405	-215	405	0	0
muri	Piano 5	15	503	15	893	0
muri	Piano 5	30	15	460	15	0
muri	Piano 5	1266	15	1619	15	0
muri	Piano 5	898	70	898	413	0
muri	Piano 5	1251	70	1251	413	0
muri	Piano 5	1689	15	2135	15	0
muri	Piano 5	1689	948	2135	948	0
muri	Piano 5	1654	963	1654	1083	0
muri	Piano 5	1251	963	1251	1083	0
muri	Piano 5	903	973	903	1083	0
muri	Piano 5	495	1083	903	1083	0
muri	Piano 5	495	963	495	1083	0
muri	Piano 5	30	948	460	948	0
muri	Piano 5	530	15	883	15	0
muri	Piano 5	1251	1083	1654	1083	0

5.4.9 Carichi superficiali

5.4.9.1 Carichi superficiali di piano

***Carico**: riferimento alla definizione di un carico di superficie.*
***Solaio**: caratteristiche dell'eventuale solaio.*
***Liv.**: quota di inserimento espressa con notazione breve esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Punti**: punti di definizione in pianta.*
  ***Indice**: indice del punto corrente nell'insieme dei punti di definizione dell'elemento.*
  ***X**: coordinata X. [cm]*
  ***Y**: coordinata Y. [cm]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [cm]*
***Angolo**: direzione delle nervature che trasmettono il carico.Angolo misurato dal semiasse positivo delle ascisse in verso antiorario. [deg]*
***Comp.**: descrizione sintetica del comportamento del carico superficiale o, nel caso di comportamento membranale, riferimento alla decrizione analitica della membrana.*

***Fori**: riferimenti a tutti gli elementi che forano il carico superficiale.*

Carico	Solaio	Liv.	Punti			Estr.	Angolo	Comp.	Fori
			Indice	X	Y				
Copertura scale		L12	1	3064	813	0	270		
			2	3064	0				
			3	3387	0				
			4	3387	813				
Copertura scale		L16	1	913	813	0	270		
			2	913	0				
			3	1236	0				
			4	1236	813				

5.4.10 Fori su piastre e carichi superficiali

5.4.10.1 Fori di piano

***Desc.**: descrizione breve del foro utilizzata dagli elementi forabili come piastre e carichi superficiali.*
***Quota**: quota di inserimento esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Livello**: quota di inserimento espressa con notazione breve esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Estradosso**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [cm]*
***Spessore**: spessore misurato in direzione ortogonale al piano medio dell'elemento. [cm]*
***Punti**: punti di definizione in pianta.*
  ***Indice**: indice del punto corrente nell'insieme dei punti di definizione dell'elemento.*
  ***X**: coordinata X. [cm]*
  ***Y**: coordinata Y. [cm]*
***Serramento**: considera la presenza di un serramento, ai fini della trasmissione del vento agente sull'elemento forato.*

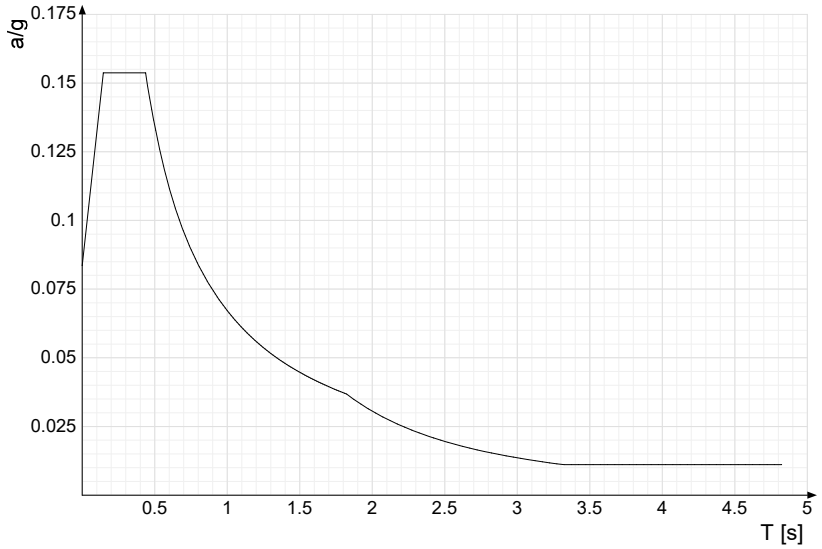
Desc.	Quota	Livello	Estradosso	Spessore	Punti			Serramento
					Indice	X	Y	
H1	Fondazione	L2	0	65	1	913	778	Si
					2	1063	778	
					3	1063	963	
					4	913	963	
H2	Fondazione	L2	0	65	1	3064	778	Si
					2	3214	778	
					3	3214	963	
					4	3064	963	

6 Dati di modellazione

6.1 Accelerazioni alla base

***Ind.vertice**: Indice del valore.*
***T**: Periodo di vibrazione. [s]*
***a/g**: Accelerazione spettrale normalizzata ottenuta dividendo l'accelerazione spettrale per l'accelerazione di gravità. Il valore è adimensionale.*

Sisma X SLV

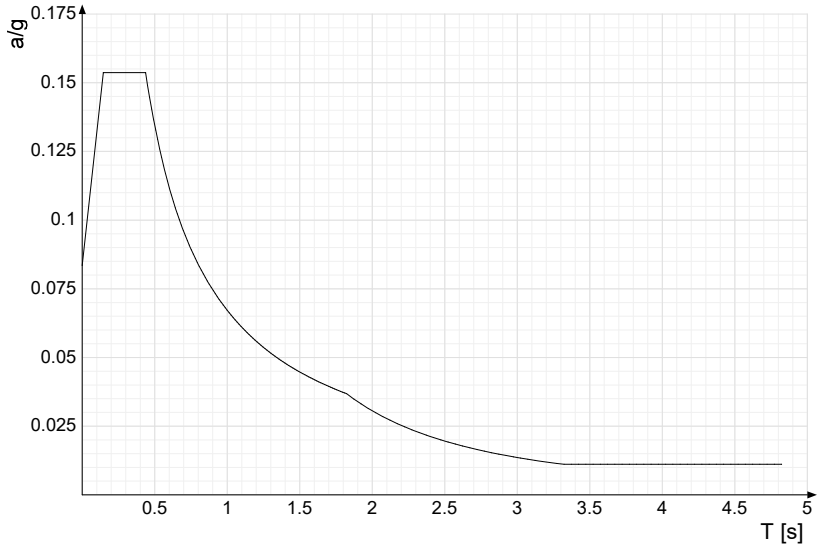


Ind.vertice	T	a/g
1	0	0.084
2	0.146	0.154
3	0.437	0.154
4	0.45	0.149
5	0.464	0.145
6	0.478	0.14
7	0.492	0.137
8	0.505	0.133
9	0.519	0.129
10	0.533	0.126
11	0.547	0.123
12	0.56	0.12
13	0.574	0.117
14	0.588	0.114
15	0.601	0.112
16	0.615	0.109
17	0.629	0.107
18	0.643	0.104
19	0.656	0.102
20	0.67	0.1
21	0.684	0.098
22	0.697	0.096
23	0.711	0.094
24	0.725	0.093
25	0.739	0.091
26	0.752	0.089
27	0.766	0.088
28	0.78	0.086
29	0.794	0.085
30	0.807	0.083
31	0.821	0.082
32	0.835	0.08
33	0.848	0.079
34	0.862	0.078
35	0.876	0.077
36	0.89	0.075
37	0.903	0.074
38	0.917	0.073
39	0.931	0.072
40	0.945	0.071
41	0.958	0.07
42	0.972	0.069
43	0.986	0.068
44	0.999	0.067
45	1.013	0.066
46	1.027	0.065
47	1.041	0.065
48	1.054	0.064
49	1.068	0.063
50	1.082	0.062
51	1.095	0.061
52	1.109	0.061
53	1.123	0.06

Ind.vertice	T	a/g
54	1.137	0.059
55	1.15	0.058
56	1.164	0.058
57	1.178	0.057
58	1.192	0.056
59	1.205	0.056
60	1.219	0.055
61	1.233	0.054
62	1.246	0.054
63	1.26	0.053
64	1.274	0.053
65	1.288	0.052
66	1.301	0.052
67	1.315	0.051
68	1.329	0.051
69	1.343	0.05
70	1.356	0.049
71	1.37	0.049
72	1.384	0.049
73	1.397	0.048
74	1.411	0.048
75	1.425	0.047
76	1.439	0.047
77	1.452	0.046
78	1.466	0.046
79	1.48	0.045
80	1.493	0.045
81	1.507	0.045
82	1.521	0.044
83	1.535	0.044
84	1.548	0.043
85	1.562	0.043
86	1.576	0.043
87	1.59	0.042
88	1.603	0.042
89	1.617	0.042
90	1.631	0.041
91	1.644	0.041
92	1.658	0.04
93	1.672	0.04
94	1.686	0.04
95	1.699	0.039
96	1.713	0.039
97	1.727	0.039
98	1.741	0.039
99	1.754	0.038
100	1.768	0.038
101	1.782	0.038
102	1.795	0.037
103	1.809	0.037
104	1.823	0.037
105	1.873	0.035
106	1.923	0.033
107	1.973	0.031
108	2.023	0.03
109	2.073	0.028
110	2.123	0.027
111	2.173	0.026
112	2.223	0.025
113	2.273	0.024
114	2.323	0.023
115	2.373	0.022
116	2.423	0.021
117	2.473	0.02
118	2.523	0.019
119	2.573	0.018
120	2.623	0.018
121	2.673	0.017
122	2.723	0.017
123	2.773	0.016
124	2.823	0.015
125	2.873	0.015
126	2.923	0.014
127	2.973	0.014
128	3.023	0.013
129	3.073	0.013
130	3.123	0.013
131	3.173	0.012
132	3.223	0.012
133	3.273	0.011
134	3.323	0.011
135	3.373	0.011
136	3.423	0.011
137	3.473	0.011
138	3.523	0.011
139	3.573	0.011
140	3.623	0.011
141	3.673	0.011
142	3.723	0.011
143	3.773	0.011
144	3.823	0.011
145	3.873	0.011
146	3.923	0.011
147	3.973	0.011
148	4.023	0.011
149	4.073	0.011
150	4.123	0.011
151	4.173	0.011
152	4.223	0.011
153	4.273	0.011

Ind.vertice	T	a/g
154	4.323	0.011
155	4.373	0.011
156	4.423	0.011
157	4.473	0.011
158	4.523	0.011
159	4.573	0.011
160	4.623	0.011
161	4.673	0.011
162	4.723	0.011
163	4.773	0.011
164	4.823	0.011

Sisma Y SLV

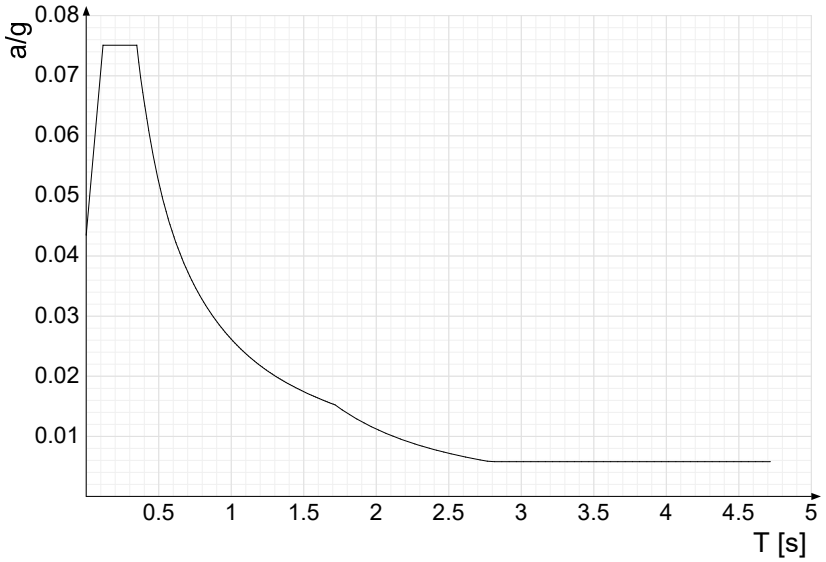


Ind.vertice	T	a/g
1	0	0.084
2	0.146	0.154
3	0.437	0.154
4	0.45	0.149
5	0.464	0.145
6	0.478	0.14
7	0.492	0.137
8	0.505	0.133
9	0.519	0.129
10	0.533	0.126
11	0.547	0.123
12	0.56	0.12
13	0.574	0.117
14	0.588	0.114
15	0.601	0.112
16	0.615	0.109
17	0.629	0.107
18	0.643	0.104
19	0.656	0.102
20	0.67	0.1
21	0.684	0.098
22	0.697	0.096
23	0.711	0.094
24	0.725	0.093
25	0.739	0.091
26	0.752	0.089
27	0.766	0.088
28	0.78	0.086
29	0.794	0.085
30	0.807	0.083
31	0.821	0.082
32	0.835	0.08
33	0.848	0.079
34	0.862	0.078
35	0.876	0.077
36	0.89	0.075
37	0.903	0.074
38	0.917	0.073
39	0.931	0.072
40	0.945	0.071
41	0.958	0.07
42	0.972	0.069
43	0.986	0.068
44	0.999	0.067
45	1.013	0.066
46	1.027	0.065
47	1.041	0.065
48	1.054	0.064
49	1.068	0.063
50	1.082	0.062
51	1.095	0.061
52	1.109	0.061
53	1.123	0.06
54	1.137	0.059
55	1.15	0.058
56	1.164	0.058

Ind.vertice	T	a/g
57	1.178	0.057
58	1.192	0.056
59	1.205	0.056
60	1.219	0.055
61	1.233	0.054
62	1.246	0.054
63	1.26	0.053
64	1.274	0.053
65	1.288	0.052
66	1.301	0.052
67	1.315	0.051
68	1.329	0.051
69	1.343	0.05
70	1.356	0.049
71	1.37	0.049
72	1.384	0.049
73	1.397	0.048
74	1.411	0.048
75	1.425	0.047
76	1.439	0.047
77	1.452	0.046
78	1.466	0.046
79	1.48	0.045
80	1.493	0.045
81	1.507	0.045
82	1.521	0.044
83	1.535	0.044
84	1.548	0.043
85	1.562	0.043
86	1.576	0.043
87	1.59	0.042
88	1.603	0.042
89	1.617	0.042
90	1.631	0.041
91	1.644	0.041
92	1.658	0.04
93	1.672	0.04
94	1.686	0.04
95	1.699	0.039
96	1.713	0.039
97	1.727	0.039
98	1.741	0.039
99	1.754	0.038
100	1.768	0.038
101	1.782	0.038
102	1.795	0.037
103	1.809	0.037
104	1.823	0.037
105	1.873	0.035
106	1.923	0.033
107	1.973	0.031
108	2.023	0.03
109	2.073	0.028
110	2.123	0.027
111	2.173	0.026
112	2.223	0.025
113	2.273	0.024
114	2.323	0.023
115	2.373	0.022
116	2.423	0.021
117	2.473	0.02
118	2.523	0.019
119	2.573	0.018
120	2.623	0.018
121	2.673	0.017
122	2.723	0.017
123	2.773	0.016
124	2.823	0.015
125	2.873	0.015
126	2.923	0.014
127	2.973	0.014
128	3.023	0.013
129	3.073	0.013
130	3.123	0.013
131	3.173	0.012
132	3.223	0.012
133	3.273	0.011
134	3.323	0.011
135	3.373	0.011
136	3.423	0.011
137	3.473	0.011
138	3.523	0.011
139	3.573	0.011
140	3.623	0.011
141	3.673	0.011
142	3.723	0.011
143	3.773	0.011
144	3.823	0.011
145	3.873	0.011
146	3.923	0.011
147	3.973	0.011
148	4.023	0.011
149	4.073	0.011
150	4.123	0.011
151	4.173	0.011
152	4.223	0.011
153	4.273	0.011
154	4.323	0.011
155	4.373	0.011
156	4.423	0.011

Ind.vertice	T	a/g
157	4.473	0.011
158	4.523	0.011
159	4.573	0.011
160	4.623	0.011
161	4.673	0.011
162	4.723	0.011
163	4.773	0.011
164	4.823	0.011

Sisma X SLD

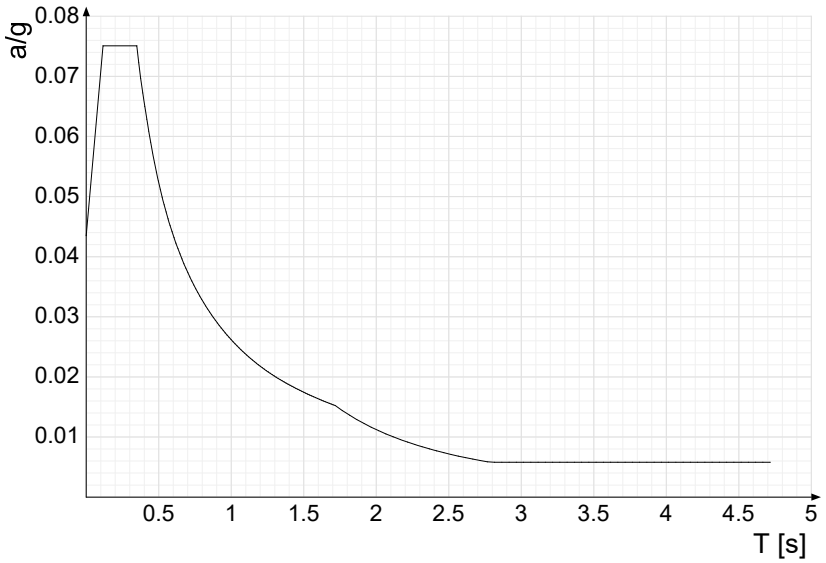


Ind.vertice	T	a/g
1	0	0.043
2	0.116	0.075
3	0.348	0.075
4	0.362	0.072
5	0.375	0.07
6	0.389	0.067
7	0.403	0.065
8	0.416	0.063
9	0.43	0.061
10	0.443	0.059
11	0.457	0.057
12	0.47	0.056
13	0.484	0.054
14	0.497	0.053
15	0.511	0.051
16	0.524	0.05
17	0.538	0.049
18	0.552	0.047
19	0.565	0.046
20	0.579	0.045
21	0.592	0.044
22	0.606	0.043
23	0.619	0.042
24	0.633	0.041
25	0.646	0.04
26	0.66	0.04
27	0.673	0.039
28	0.687	0.038
29	0.7	0.037
30	0.714	0.037
31	0.728	0.036
32	0.741	0.035
33	0.755	0.035
34	0.768	0.034
35	0.782	0.033
36	0.795	0.033
37	0.809	0.032
38	0.822	0.032
39	0.836	0.031
40	0.849	0.031
41	0.863	0.03
42	0.876	0.03
43	0.89	0.029
44	0.904	0.029
45	0.917	0.029
46	0.931	0.028
47	0.944	0.028
48	0.958	0.027
49	0.971	0.027
50	0.985	0.027
51	0.998	0.026
52	1.012	0.026
53	1.025	0.026
54	1.039	0.025
55	1.053	0.025
56	1.066	0.025
57	1.08	0.024
58	1.093	0.024
59	1.107	0.024

Ind.vertice	T	a/g
60	1.12	0.023
61	1.134	0.023
62	1.147	0.023
63	1.161	0.023
64	1.174	0.022
65	1.188	0.022
66	1.201	0.022
67	1.215	0.022
68	1.229	0.021
69	1.242	0.021
70	1.256	0.021
71	1.269	0.021
72	1.283	0.02
73	1.296	0.02
74	1.31	0.02
75	1.323	0.02
76	1.337	0.02
77	1.35	0.019
78	1.364	0.019
79	1.377	0.019
80	1.391	0.019
81	1.405	0.019
82	1.418	0.018
83	1.432	0.018
84	1.445	0.018
85	1.459	0.018
86	1.472	0.018
87	1.486	0.018
88	1.499	0.017
89	1.513	0.017
90	1.526	0.017
91	1.54	0.017
92	1.554	0.017
93	1.567	0.017
94	1.581	0.017
95	1.594	0.016
96	1.608	0.016
97	1.621	0.016
98	1.635	0.016
99	1.648	0.016
100	1.662	0.016
101	1.675	0.016
102	1.689	0.015
103	1.702	0.015
104	1.716	0.015
105	1.766	0.014
106	1.816	0.014
107	1.866	0.013
108	1.916	0.012
109	1.966	0.012
110	2.016	0.011
111	2.066	0.011
112	2.116	0.01
113	2.166	0.01
114	2.216	0.009
115	2.266	0.009
116	2.316	0.008
117	2.366	0.008
118	2.416	0.008
119	2.466	0.007
120	2.516	0.007
121	2.566	0.007
122	2.616	0.007
123	2.666	0.006
124	2.716	0.006
125	2.766	0.006
126	2.816	0.006
127	2.866	0.006
128	2.916	0.006
129	2.966	0.006
130	3.016	0.006
131	3.066	0.006
132	3.116	0.006
133	3.166	0.006
134	3.216	0.006
135	3.266	0.006
136	3.316	0.006
137	3.366	0.006
138	3.416	0.006
139	3.466	0.006
140	3.516	0.006
141	3.566	0.006
142	3.616	0.006
143	3.666	0.006
144	3.716	0.006
145	3.766	0.006
146	3.816	0.006
147	3.866	0.006
148	3.916	0.006
149	3.966	0.006
150	4.016	0.006
151	4.066	0.006
152	4.116	0.006
153	4.166	0.006
154	4.216	0.006
155	4.266	0.006
156	4.316	0.006
157	4.366	0.006
158	4.416	0.006
159	4.466	0.006

Ind.vertice	T	a/g
160	4.516	0.006
161	4.566	0.006
162	4.616	0.006
163	4.666	0.006
164	4.716	0.006

Sisma Y SLD



Ind.vertice	T	a/g
1	0	0.043
2	0.116	0.075
3	0.348	0.075
4	0.362	0.072
5	0.375	0.07
6	0.389	0.067
7	0.403	0.065
8	0.416	0.063
9	0.43	0.061
10	0.443	0.059
11	0.457	0.057
12	0.47	0.056
13	0.484	0.054
14	0.497	0.053
15	0.511	0.051
16	0.524	0.05
17	0.538	0.049
18	0.552	0.047
19	0.565	0.046
20	0.579	0.045
21	0.592	0.044
22	0.606	0.043
23	0.619	0.042
24	0.633	0.041
25	0.646	0.04
26	0.66	0.04
27	0.673	0.039
28	0.687	0.038
29	0.7	0.037
30	0.714	0.037
31	0.728	0.036
32	0.741	0.035
33	0.755	0.035
34	0.768	0.034
35	0.782	0.033
36	0.795	0.033
37	0.809	0.032
38	0.822	0.032
39	0.836	0.031
40	0.849	0.031
41	0.863	0.03
42	0.876	0.03
43	0.89	0.029
44	0.904	0.029
45	0.917	0.029
46	0.931	0.028
47	0.944	0.028
48	0.958	0.027
49	0.971	0.027
50	0.985	0.027
51	0.998	0.026
52	1.012	0.026
53	1.025	0.026
54	1.039	0.025
55	1.053	0.025
56	1.066	0.025
57	1.08	0.024
58	1.093	0.024
59	1.107	0.024
60	1.12	0.023
61	1.134	0.023
62	1.147	0.023

Ind.vertice	T	a/g
63	1.161	0.023
64	1.174	0.022
65	1.188	0.022
66	1.201	0.022
67	1.215	0.022
68	1.229	0.021
69	1.242	0.021
70	1.256	0.021
71	1.269	0.021
72	1.283	0.02
73	1.296	0.02
74	1.31	0.02
75	1.323	0.02
76	1.337	0.02
77	1.35	0.019
78	1.364	0.019
79	1.377	0.019
80	1.391	0.019
81	1.405	0.019
82	1.418	0.018
83	1.432	0.018
84	1.445	0.018
85	1.459	0.018
86	1.472	0.018
87	1.486	0.018
88	1.499	0.017
89	1.513	0.017
90	1.526	0.017
91	1.54	0.017
92	1.554	0.017
93	1.567	0.017
94	1.581	0.017
95	1.594	0.016
96	1.608	0.016
97	1.621	0.016
98	1.635	0.016
99	1.648	0.016
100	1.662	0.016
101	1.675	0.016
102	1.689	0.015
103	1.702	0.015
104	1.716	0.015
105	1.766	0.014
106	1.816	0.014
107	1.866	0.013
108	1.916	0.012
109	1.966	0.012
110	2.016	0.011
111	2.066	0.011
112	2.116	0.01
113	2.166	0.01
114	2.216	0.009
115	2.266	0.009
116	2.316	0.008
117	2.366	0.008
118	2.416	0.008
119	2.466	0.007
120	2.516	0.007
121	2.566	0.007
122	2.616	0.007
123	2.666	0.006
124	2.716	0.006
125	2.766	0.006
126	2.816	0.006
127	2.866	0.006
128	2.916	0.006
129	2.966	0.006
130	3.016	0.006
131	3.066	0.006
132	3.116	0.006
133	3.166	0.006
134	3.216	0.006
135	3.266	0.006
136	3.316	0.006
137	3.366	0.006
138	3.416	0.006
139	3.466	0.006
140	3.516	0.006
141	3.566	0.006
142	3.616	0.006
143	3.666	0.006
144	3.716	0.006
145	3.766	0.006
146	3.816	0.006
147	3.866	0.006
148	3.916	0.006
149	3.966	0.006
150	4.016	0.006
151	4.066	0.006
152	4.116	0.006
153	4.166	0.006
154	4.216	0.006
155	4.266	0.006
156	4.316	0.006
157	4.366	0.006
158	4.416	0.006
159	4.466	0.006
160	4.516	0.006
161	4.566	0.006
162	4.616	0.006

Ind.vertice	T	a/g
163	4.666	0.006
164	4.716	0.006

7 Risultati numerici

7.1 Spostamenti nodali estremi

***Nodo**: nodo interessato dallo spostamento.*
***Ind.**: indice del nodo.*
***Cont.**: condizione o combinazione di carico a cui si riferisce lo spostamento.*
***N.br.**: nome breve della condizione o combinazione di carico.*
***Spostamento**: spostamento traslazionale del nodo.*
***ux**: componente X dello spostamento del nodo. [cm]*
***uy**: componente Y dello spostamento del nodo. [cm]*
***uz**: componente Z dello spostamento del nodo. [cm]*
***Rotazione**: spostamento rotazionale del nodo.*
***rx**: componente X della rotazione del nodo. [deg]*
***ry**: componente Y della rotazione del nodo. [deg]*
***rz**: componente Z della rotazione del nodo. [deg]*

Spostamenti nodali con componente Ux minima

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Spostamento			Rotazione		
Ind.	N.br.	ux	uy	uz	rx	ry	rz
21952	SLV 1	-3.09061	-2.30122	-0.8072	0.0552	-0.0688	0.0074
21951	SLV 1	-3.09051	-2.29929	-1.04773	0.0546	-0.0686	0.0078
21953	SLV 1	-3.09041	-2.30179	-0.77456	0.0559	-0.0686	0.0128
21950	SLV 1	-3.08995	-2.30038	-1.06517	0.0554	-0.0684	0.0196
21460	SLV 1	-3.08269	-2.29601	-1.19189	0.0101	-0.0777	-0.0252

Spostamenti nodali con componente Ux massima

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Spostamento			Rotazione		
Ind.	N.br.	ux	uy	uz	rx	ry	rz
21952	SLV 15	3.05085	1.98571	-1.19765	-0.0418	0.0695	-0.0016
21951	SLV 15	3.05085	1.97803	-0.95599	-0.0392	0.0701	-0.0022
21953	SLV 15	3.05041	1.9908	-1.23123	-0.0429	0.0697	-0.0105
21950	SLV 15	3.05019	1.97461	-0.93735	-0.0405	0.0693	-0.017
21949	SLV 15	3.03035	1.9909	-1.1985	-0.0429	0.0646	-0.0447

Spostamenti nodali con componente Uy minima

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Spostamento			Rotazione		
Ind.	N.br.	ux	uy	uz	rx	ry	rz
21734	SLV 5	-2.0726	-3.26729	-1.09568	-0.0244	-0.0694	-0.0372
21696	SLV 5	-2.07521	-3.26728	-1.06717	-0.0211	-0.0857	-0.0256
21771	SLV 5	-2.0705	-3.26727	-1.12754	-0.0158	-0.0549	-0.0268
21808	SLV 5	-2.06894	-3.2672	-1.15095	-0.0058	-0.0528	-0.0353
21582	SLV 5	-2.08572	-3.26713	-1.13409	0.036	-0.0639	-0.039

Spostamenti nodali con componente Uy massima

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Spostamento			Rotazione		
Ind.	N.br.	ux	uy	uz	rx	ry	rz
21771	SLV 11	2.01244	2.95217	-1.202	-0.0426	-0.0667	0.0193
21808	SLV 11	2.01531	2.95216	-1.22136	-0.0331	-0.0644	0.0329
21734	SLV 11	2.00998	2.95215	-1.17742	-0.0444	-0.0554	0.034
21845	SLV 11	2.01875	2.95211	-1.23647	-0.0193	-0.0605	0.0198
21696	SLV 11	2.00801	2.95209	-1.14907	-0.0344	-0.061	0.0183

Spostamenti nodali con componente Uz minima

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Spostamento			Rotazione		
Ind.	N.br.	ux	uy	uz	rx	ry	rz
17614	SLU 51	-0.03434	-0.22192	-2.57215	0.1842	-0.0003	-0.0002
17615	SLU 51	-0.03434	-0.22211	-2.56515	0.191	-0.0136	-0.0002
17613	SLU 51	-0.03434	-0.22173	-2.563	0.1775	0.0221	-0.0002
17616	SLU 51	-0.03434	-0.22217	-2.56138	0.193	-0.0148	-0.0002
14491	SLU 51	-0.03206	-0.16871	-2.55341	0.1864	-0.0039	0

Spostamenti nodali con componente Uz massima

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Spostamento			Rotazione		
Ind.	N.br.	ux	uy	uz	rx	ry	rz
4184	SLV X	0.33831	0.51983	1.1824	-0.0312	0.0746	-0.0319
7514	SLV X	0.78562	0.21888	1.13359	-0.0332	0.0707	-0.0137
14321	SLV X	1.56827	0.59525	1.06115	-0.0312	0.0657	-0.012
10904	SLV 1	-1.36024	-1.06022	0.46417	0.0569	-0.0883	-0.0141
3728	SLV X	0.0002	-0.00023	0.4222	0.0232	0.0364	0.0002

7.2 Reazioni nodali estreme

***Nodo**: Nodo sollecitato dalla reazione vincolare.*
***Ind.**: indice del nodo.*

***Cont.**: Contesto a cui si riferisce la reazione vincolare.*
***N.br.**: nome breve della condizione o combinazione di carico.*
***Reazione a traslazione**: reazione vincolare traslazionale del nodo.*
***x**: componente X della reazione vincolare del nodo. [daN]*
***y**: componente Y della reazione vincolare del nodo. [daN]*
***z**: componente Z della reazione vincolare del nodo. [daN]*
***Reazione a rotazione**: reazione vincolare rotazionale del nodo.*
***x**: componente X della reazione a rotazione del nodo. [daN*cm]*
***y**: componente Y della reazione a rotazione del nodo. [daN*cm]*
***z**: componente Z della reazione a rotazione del nodo. [daN*cm]*

Reazioni Fx minime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
3520	SLU 46	-15437	-11932	2343	0	0	0
3390	SLU 20	-15425	-10402	2074	0	0	0
3242	SLU 20	-15266	-8915	2060	0	0	0
3634	SLU 46	-15239	-13413	2291	0	0	0
2090	SLU 20	-15136	-1585	2015	0	0	0

Reazioni Fx massime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
3640	SLU 20	17890	-13793	2603	0	0	0
244	SLU 46	15299	13189	2268	0	0	0
3542	SLU 20	14575	-11538	2386	0	0	0
3526	SLU 20	14457	-10194	2186	0	0	0
3647	SLU 16	13923	-12080	1924	0	0	0

Reazioni Fy minime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
3633	SLU 28	-1894	-15108	1926	0	0	0
3636	SLU 28	708	-14365	2428	0	0	0
3635	SLU 28	607	-14150	2401	0	0	0
3638	SLU 28	568	-14102	2387	0	0	0
3630	SLU 28	-1820	-14029	1788	0	0	0

Reazioni Fy massime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
242	SLU 3	5206	17389	2226	0	0	0
345	SLU 3	5924	16225	2349	0	0	0
300	SLU 20	3221	15935	3310	0	0	0
398	SLU 3	5183	14901	2300	0	0	0
297	SLU 3	5661	14536	2012	0	0	0

Reazioni Fz minime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
3640	SLV X	-53	51	-940	0	0	0
242	SLV Y	86	-158	-825	0	0	0
345	SLV Y	77	-188	-783	0	0	0
3647	SLV X	-48	-38	-742	0	0	0
3542	SLV X	-57	-40	-736	0	0	0

Reazioni Fz massime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
558	SLU 51	6	2	4499	0	0	0
1824	SLU 51	-6	3	4375	0	0	0
527	SLU 51	39	-37	4274	0	0	0
345	SLU 51	53	-49	4204	0	0	0
900	SLU 51	2	2	4150	0	0	0

7.3 Pressioni massime sul terreno

***Nodo**: Nodo che interagisce col terreno.*
***Ind.**: indice del nodo.*
***Pressione minima**: situazione in cui si verifica la pressione minima nel nodo.*
***Cont.**: nome breve della condizione o combinazione di carico a cui si riferisce la pressione minima.*
***uz**: spostamento massimo verticale del nodo. [cm]*
***Valore**: pressione minima sul terreno del nodo. [daN/cm²]*
***Pressione massima**: situazione in cui si verifica la pressione massima nel nodo.*
***Cont.**: nome breve della condizione o combinazione di carico a cui si riferisce la pressione massima.*
***uz**: spostamento minimo verticale del nodo. [cm]*
***Valore**: pressione massima sul terreno del nodo. [daN/cm²]*

Compressione estrema massima -1.53585 al nodo di indice 3728, di coordinate x = -600, y = 1143, z = -173, nel contesto SLV 7.
Spostamento estremo minimo -1.53585 al nodo di indice 3728, di coordinate x = -600, y = 1143, z = -173, nel contesto SLV 7.

Spostamento estremo massimo -0.07633 al nodo di indice 3728, di coordinate x = -600, y = 1143, z = -173, nel contesto SLV 9.

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
2	SLU 52	-1.46061	-1.46061	SLU 1	-0.82576	-0.82576
3	SLU 52	-1.46411	-1.46411	SLU 1	-0.82628	-0.82628
4	SLU 52	-1.46385	-1.46385	SLU 1	-0.82774	-0.82774
5	SLU 51	-1.45998	-1.45998	SLU 2	-0.82847	-0.82847
6	SLU 51	-1.0555	-1.0555	SLU 2	-0.60959	-0.60959
7	SLU 52	-1.06145	-1.06145	SLU 1	-0.61368	-0.61368
8	SLU 52	-1.06558	-1.06558	SLU 1	-0.61335	-0.61335
9	SLU 52	-1.06596	-1.06596	SLU 1	-0.61377	-0.61377
10	SLU 52	-1.46464	-1.46464	SLV 9	-0.82377	-0.82377
11	SLU 52	-1.46595	-1.46595	SLU 1	-0.82691	-0.82691
12	SLU 52	-1.46541	-1.46541	SLU 1	-0.8284	-0.8284
13	SLU 52	-1.46261	-1.46261	SLV 5	-0.8238	-0.8238
14	SLU 52	-1.05565	-1.05565	SLV 9	-0.59404	-0.59404
15	SLU 52	-1.0635	-1.0635	SLV 9	-0.60302	-0.60302
16	SLU 52	-1.06839	-1.06839	SLV 5	-0.60241	-0.60241
17	SLU 52	-1.07064	-1.07064	SLV 5	-0.5942	-0.5942
18	SLU 52	-1.468	-1.468	SLV 9	-0.79787	-0.79787
19	SLU 52	-1.46747	-1.46747	SLV 9	-0.802	-0.802
20	SLU 52	-1.46673	-1.46673	SLV 5	-0.80132	-0.80132
21	SLU 52	-1.46536	-1.46536	SLV 5	-0.79737	-0.79737
22	SLU 52	-1.05742	-1.05742	SLV 9	-0.57056	-0.57056
23	SLU 52	-1.06493	-1.06493	SLV 9	-0.57663	-0.57663
24	SLU 52	-1.07052	-1.07052	SLV 5	-0.5751	-0.5751
25	SLU 52	-1.07433	-1.07433	SLV 5	-0.56847	-0.56847
27	SLU 52	-1.46938	-1.46938	SLV 9	-0.76969	-0.76969
28	SLU 52	-1.46852	-1.46852	SLV 9	-0.77255	-0.77255
29	SLU 52	-1.46775	-1.46775	SLV 5	-0.77193	-0.77193
30	SLU 52	-1.46663	-1.46663	SLV 5	-0.76903	-0.76903
31	SLU 52	-1.05811	-1.05811	SLV 9	-0.5449	-0.5449
32	SLU 52	-1.0658	-1.0658	SLV 9	-0.54882	-0.54882
33	SLU 52	-1.07192	-1.07192	SLV 5	-0.54672	-0.54672
34	SLU 52	-1.0765	-1.0765	SLV 5	-0.54097	-0.54097
35	SLU 52	-1.46914	-1.46914	SLV 9	-0.74032	-0.74032
36	SLU 52	-1.46947	-1.46947	SLV 9	-0.74241	-0.74241
37	SLU 52	-1.46881	-1.46881	SLV 5	-0.74197	-0.74197
38	SLU 52	-1.46677	-1.46677	SLV 5	-0.73979	-0.73979
39	SLU 52	-1.0582	-1.0582	SLV 9	-0.51806	-0.51806
40	SLU 52	-1.06652	-1.06652	SLV 9	-0.52	-0.52
41	SLU 52	-1.07289	-1.07289	SLV 5	-0.51759	-0.51759
42	SLU 52	-1.07729	-1.07729	SLV 5	-0.5127	-0.5127
43	SLU 52	-1.46953	-1.46953	SLV 9	-0.7119	-0.7119
44	SLU 52	-1.4712	-1.4712	SLV 9	-0.71278	-0.71278
45	SLU 52	-1.47073	-1.47073	SLV 5	-0.71256	-0.71256
46	SLU 52	-1.46746	-1.46746	SLV 5	-0.7115	-0.7115
47	SLU 52	-1.0587	-1.0587	SLV 9	-0.49151	-0.49151
48	SLU 52	-1.06775	-1.06775	SLV 9	-0.49133	-0.49133
49	SLU 52	-1.0742	-1.0742	SLV 5	-0.48877	-0.48877
50	SLU 52	-1.07795	-1.07795	SLV 5	-0.48519	-0.48519
51	SLU 50	-0.93949	-0.93949	SLV 11	-0.38234	-0.38234
52	SLU 50	-0.97708	-0.97708	SLV 11	-0.39664	-0.39664
53	SLU 50	-1.0149	-1.0149	SLV 11	-0.41019	-0.41019
54	SLU 50	-1.05319	-1.05319	SLV 11	-0.42302	-0.42302
55	SLU 52	-1.09249	-1.09249	SLV 11	-0.43523	-0.43523
56	SLU 52	-1.1332	-1.1332	SLV 7	-0.44689	-0.44689
57	SLU 52	-1.17508	-1.17508	SLV 7	-0.45784	-0.45784
58	SLU 52	-1.21704	-1.21704	SLV 7	-0.46753	-0.46753
59	SLU 51	-1.25751	-1.25751	SLV 7	-0.47513	-0.47513
60	SLU 51	-1.29349	-1.29349	SLV 7	-0.47972	-0.47972
61	SLU 51	-1.32094	-1.32094	SLV 7	-0.48149	-0.48149
62	SLU 51	-1.33758	-1.33758	SLV 7	-0.48338	-0.48338
63	SLU 51	-1.34424	-1.34424	SLV 7	-0.48999	-0.48999
64	SLU 51	-1.3462	-1.3462	SLV 7	-0.49996	-0.49996
65	SLU 51	-1.34711	-1.34711	SLV 7	-0.51208	-0.51208
66	SLU 51	-1.3492	-1.3492	SLV 7	-0.52584	-0.52584
67	SLU 51	-1.35339	-1.35339	SLV 7	-0.54067	-0.54067
68	SLU 51	-1.35926	-1.35926	SLV 7	-0.55563	-0.55563
69	SLU 51	-1.36535	-1.36535	SLV 7	-0.56942	-0.56942
70	SLU 51	-1.36915	-1.36915	SLV 7	-0.58032	-0.58032
71	SLU 51	-1.36841	-1.36841	SLV 7	-0.58698	-0.58698
72	SLU 51	-1.36285	-1.36285	SLV 7	-0.58929	-0.58929
73	SLU 51	-1.35399	-1.35399	SLV 7	-0.58816	-0.58816
74	SLU 51	-1.3442	-1.3442	SLV 7	-0.58505	-0.58505
75	SLU 51	-1.33548	-1.33548	SLV 7	-0.58124	-0.58124
76	SLU 51	-1.32877	-1.32877	SLV 7	-0.57764	-0.57764
77	SLU 51	-1.32393	-1.32393	SLV 7	-0.57466	-0.57466
78	SLU 51	-1.32003	-1.32003	SLV 11	-0.57241	-0.57241
79	SLU 51	-1.31597	-1.31597	SLV 11	-0.57091	-0.57091
80	SLU 51	-1.31139	-1.31139	SLV 11	-0.57025	-0.57025
81	SLU 51	-1.30692	-1.30692	SLV 11	-0.5707	-0.5707
82	SLU 51	-1.30362	-1.30362	SLV 11	-0.5726	-0.5726
83	SLU 51	-1.30212	-1.30212	SLV 7	-0.57612	-0.57612
84	SLU 51	-1.30223	-1.30223	SLV 7	-0.58122	-0.58122
85	SLU 51	-1.30296	-1.30296	SLV 7	-0.58759	-0.58759
86	SLU 51	-1.30319	-1.30319	SLV 7	-0.59489	-0.59489
87	SLU 51	-1.30246	-1.30246	SLV 7	-0.60295	-0.60295
88	SLU 51	-1.3013	-1.3013	SLV 7	-0.6118	-0.6118
89	SLU 51	-1.30078	-1.30078	SLV 7	-0.62154	-0.62154
90	SLU 51	-1.30157	-1.30157	SLV 7	-0.63206	-0.63206
91	SLU 51	-1.30346	-1.30346	SLV 7	-0.64287	-0.64287
92	SLU 51	-1.30518	-1.30518	SLV 7	-0.65299	-0.65299
93	SLU 51	-1.30449	-1.30449	SLV 7	-0.66103	-0.66103
94	SLU 51	-1.29907	-1.29907	SLV 7	-0.66566	-0.66566
95	SLU 51	-1.288	-1.288	SLV 7	-0.66638	-0.66638
96	SLU 51	-1.27236	-1.27236	SLV 7	-0.66381	-0.66381
97	SLU 51	-1.25459	-1.25459	SLV 7	-0.65924	-0.65924
98	SLU 51	-1.2371	-1.2371	SLV 7	-0.65398	-0.65398
99	SLU 51	-1.22147	-1.22147	SLV 7	-0.64886	-0.64886
100	SLU 51	-1.20825	-1.20825	SLV 7	-0.64418	-0.64418

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
101	SLU 51	-1.19699	-1.19699	SLV 11	-0.63973	-0.63973
102	SLU 51	-1.18632	-1.18632	SLV 11	-0.63484	-0.63484
103	SLU 51	-1.17428	-1.17428	SLV 11	-0.62857	-0.62857
104	SLU 51	-1.15905	-1.15905	SLV 11	-0.62005	-0.62005
105	SLU 51	-1.13992	-1.13992	SLV 11	-0.60899	-0.60899
106	SLU 51	-1.11783	-1.11783	SLV 11	-0.59581	-0.59581
107	SLU 51	-1.09476	-1.09476	SLV 11	-0.58149	-0.58149
108	SLU 51	-1.07279	-1.07279	SLV 11	-0.56707	-0.56707
109	SLU 51	-1.05346	-1.05346	SLV 11	-0.55336	-0.55336
110	SLU 51	-1.0375	-1.0375	SLV 11	-0.54077	-0.54077
111	SLU 51	-1.02484	-1.02484	SLV 11	-0.52931	-0.52931
112	SLU 51	-1.0146	-1.0146	SLV 11	-0.5186	-0.5186
113	SLU 51	-1.00524	-1.00524	SLV 11	-0.50786	-0.50786
114	SLU 51	-0.99516	-0.99516	SLV 11	-0.4963	-0.4963
115	SLU 51	-0.98367	-0.98367	SLV 11	-0.48354	-0.48354
116	SLU 51	-0.9714	-0.9714	SLV 11	-0.46992	-0.46992
117	SLU 51	-0.95968	-0.95968	SLV 11	-0.45624	-0.45624
118	SLU 51	-0.94975	-0.94975	SLV 11	-0.44335	-0.44335
119	SLU 51	-0.94217	-0.94217	SLV 11	-0.43183	-0.43183
120	SLU 51	-0.93679	-0.93679	SLV 11	-0.42201	-0.42201
121	SLU 51	-0.93282	-0.93282	SLV 11	-0.41397	-0.41397
122	SLU 51	-0.92935	-0.92935	SLV 11	-0.40772	-0.40772
123	SLU 51	-0.92589	-0.92589	SLV 11	-0.40321	-0.40321
124	SLU 51	-0.92266	-0.92266	SLV 11	-0.40043	-0.40043
125	SLU 51	-0.92025	-0.92025	SLV 11	-0.39939	-0.39939
126	SLU 51	-0.91907	-0.91907	SLV 11	-0.40003	-0.40003
127	SLU 51	-0.91901	-0.91901	SLV 11	-0.40225	-0.40225
128	SLU 51	-0.91939	-0.91939	SLV 11	-0.4058	-0.4058
129	SLU 51	-0.91933	-0.91933	SLV 11	-0.41042	-0.41042
130	SLU 51	-0.9184	-0.9184	SLV 11	-0.41593	-0.41593
131	SLU 51	-0.91692	-0.91692	SLV 11	-0.42231	-0.42231
132	SLU 51	-0.91572	-0.91572	SLV 11	-0.42957	-0.42957
133	SLU 51	-0.91548	-0.91548	SLV 11	-0.43767	-0.43767
134	SLU 51	-0.91634	-0.91634	SLV 11	-0.44637	-0.44637
135	SLU 51	-0.91773	-0.91773	SLV 7	-0.45509	-0.45509
136	SLU 51	-0.9184	-0.9184	SLV 7	-0.46303	-0.46303
137	SLU 51	-0.91698	-0.91698	SLV 7	-0.46935	-0.46935
138	SLU 51	-0.91286	-0.91286	SLV 7	-0.47371	-0.47371
139	SLU 52	-0.90741	-0.90741	SLV 7	-0.47655	-0.47655
140	SLU 52	-0.90213	-0.90213	SLV 7	-0.47894	-0.47894
141	SLU 52	-0.89885	-0.89885	SLV 7	-0.48199	-0.48199
142	SLU 52	-0.89913	-0.89913	SLV 7	-0.48654	-0.48654
143	SLU 52	-0.90386	-0.90386	SLV 7	-0.49306	-0.49306
144	SLU 50	-0.91335	-0.91335	SLV 7	-0.50162	-0.50162
145	SLU 50	-0.92709	-0.92709	SLV 7	-0.51198	-0.51198
146	SLU 50	-0.9439	-0.9439	SLV 7	-0.52361	-0.52361
147	SLU 50	-0.96236	-0.96236	SLV 7	-0.53588	-0.53588
148	SLU 51	-1.33504	-1.33504	SLV 7	-0.49223	-0.49223
149	SLU 51	-1.31441	-1.31441	SLV 7	-0.50146	-0.50146
150	SLU 51	-1.36261	-1.36261	SLV 7	-0.58413	-0.58413
151	SLU 51	-1.28797	-1.28797	SLV 7	-0.50189	-0.50189
152	SLU 51	-1.34038	-1.34038	SLV 7	-0.53265	-0.53265
153	SLU 51	-1.34298	-1.34298	SLV 7	-0.54549	-0.54549
154	SLU 51	-1.33596	-1.33596	SLV 7	-0.51288	-0.51288
155	SLU 51	-1.36705	-1.36705	SLV 7	-0.59665	-0.59665
156	SLU 51	-0.94372	-0.94372	SLV 11	-0.4353	-0.4353
157	SLU 51	-1.2544	-1.2544	SLV 7	-0.49862	-0.49862
158	SLU 51	-1.31037	-1.31037	SLV 7	-0.61219	-0.61219
159	SLU 51	-1.31005	-1.31005	SLV 7	-0.60532	-0.60532
160	SLU 51	-1.34784	-1.34784	SLV 7	-0.56054	-0.56054
161	SLU 51	-1.30926	-1.30926	SLV 7	-0.61969	-0.61969
162	SLU 51	-1.3552	-1.3552	SLV 7	-0.5754	-0.5754
163	SLU 51	-0.94045	-0.94045	SLV 11	-0.42819	-0.42819
164	SLU 51	-1.30748	-1.30748	SLV 7	-0.62788	-0.62788
165	SLU 51	-0.949	-0.949	SLV 11	-0.44522	-0.44522
166	SLU 51	-1.30894	-1.30894	SLV 7	-0.59933	-0.59933
167	SLU 51	-1.30637	-1.30637	SLV 7	-0.63695	-0.63695
168	SLU 51	-1.30842	-1.30842	SLV 7	-0.59454	-0.59454
169	SLU 51	-1.3068	-1.3068	SLV 7	-0.64693	-0.64693
170	SLU 51	-1.01224	-1.01224	SLV 11	-0.51975	-0.51975
171	SLU 51	-1.30966	-1.30966	SLV 11	-0.59129	-0.59129
172	SLU 51	-1.31061	-1.31061	SLV 7	-0.66721	-0.66721
173	SLU 51	-1.02115	-1.02115	SLV 11	-0.53016	-0.53016
174	SLU 51	-1.31044	-1.31044	SLV 7	-0.67509	-0.67509
175	SLU 51	-1.30867	-1.30867	SLV 7	-0.65751	-0.65751
176	SLU 51	-0.95658	-0.95658	SLV 11	-0.45679	-0.45679
177	SLU 51	-1.31293	-1.31293	SLV 11	-0.58983	-0.58983
178	SLU 51	-1.03101	-1.03101	SLV 11	-0.54062	-0.54062
179	SLU 51	-0.92667	-0.92667	SLV 11	-0.41776	-0.41776
180	SLU 51	-0.92719	-0.92719	SLV 11	-0.42116	-0.42116
181	SLU 51	-1.04351	-1.04351	SLV 11	-0.55202	-0.55202
182	SLU 51	-1.32166	-1.32166	SLV 11	-0.5902	-0.5902
183	SLU 51	-1.31742	-1.31742	SLV 11	-0.58967	-0.58967
184	SLU 51	-1.3675	-1.3675	SLV 7	-0.60514	-0.60514
185	SLU 51	-1.0595	-1.0595	SLV 11	-0.56467	-0.56467
186	SLU 51	-1.07901	-1.07901	SLV 11	-0.57855	-0.57855
187	SLU 51	-1.10136	-1.10136	SLV 11	-0.59326	-0.59326
188	SLU 51	-0.92723	-0.92723	SLV 11	-0.42578	-0.42578
189	SLU 51	-1.12504	-1.12504	SLV 11	-0.60803	-0.60803
190	SLU 51	-1.3249	-1.3249	SLV 11	-0.59164	-0.59164
191	SLU 52	-1.0913	-1.0913	SLV 11	-0.45708	-0.45708
192	SLU 50	-1.05515	-1.05515	SLV 11	-0.44522	-0.44522
193	SLU 51	-0.96673	-0.96673	SLV 11	-0.46987	-0.46987
194	SLU 51	-0.92598	-0.92598	SLV 11	-0.43097	-0.43097
195	SLU 51	-0.92687	-0.92687	SLV 11	-0.41613	-0.41613
196	SLU 52	-1.12917	-1.12917	SLV 7	-0.46896	-0.46896
197	SLU 51	-1.32755	-1.32755	SLV 11	-0.59364	-0.59364
198	SLU 51	-1.14785	-1.14785	SLV 11	-0.62179	-0.62179
199	SLU 51	-1.36266	-1.36266	SLV 7	-0.60779	-0.60779

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
200	SLU 51	-1.16722	-1.16722	SLV 11	-0.6331	-0.6331
201	SLU 51	-1.18206	-1.18206	SLV 11	-0.64158	-0.64158
202	SLU 51	-0.92402	-0.92402	SLV 11	-0.437	-0.437
203	SLU 51	-1.00318	-1.00318	SLV 11	-0.50978	-0.50978
204	SLU 51	-1.354	-1.354	SLV 7	-0.60665	-0.60665
205	SLU 51	-0.97887	-0.97887	SLV 11	-0.48374	-0.48374
206	SLU 51	-1.1933	-1.1933	SLV 11	-0.64765	-0.64765
207	SLU 51	-1.22652	-1.22652	SLV 7	-0.66106	-0.66106
208	SLU 51	-1.33108	-1.33108	SLV 7	-0.59656	-0.59656
209	SLU 51	-1.21373	-1.21373	SLV 7	-0.65647	-0.65647
210	SLU 51	-0.99158	-0.99158	SLV 11	-0.49733	-0.49733
211	SLU 51	-1.24196	-1.24196	SLV 7	-0.66633	-0.66633
212	SLU 52	-1.16941	-1.16941	SLV 7	-0.4813	-0.4813
213	SLU 51	-1.20313	-1.20313	SLV 7	-0.65225	-0.65225
214	SLU 51	-0.9196	-0.9196	SLV 7	-0.48566	-0.48566
215	SLU 51	-1.30574	-1.30574	SLV 7	-0.68044	-0.68044
216	SLU 51	-1.34458	-1.34458	SLV 7	-0.60358	-0.60358
217	SLU 51	-1.33664	-1.33664	SLV 7	-0.59993	-0.59993
218	SLU 51	-1.27788	-1.27788	SLV 7	-0.67722	-0.67722
219	SLU 51	-1.2596	-1.2596	SLV 7	-0.67205	-0.67205
220	SLU 51	-0.92839	-0.92839	SLV 11	-0.41616	-0.41616
221	SLU 51	-0.92241	-0.92241	SLV 11	-0.44398	-0.44398
222	SLU 51	-1.29435	-1.29435	SLV 7	-0.68072	-0.68072
223	SLU 51	-0.93108	-0.93108	SLV 11	-0.4173	-0.4173
224	SLU 51	-0.92184	-0.92184	SLV 11	-0.45165	-0.45165
225	SLU 52	-0.91412	-0.91412	SLV 7	-0.48816	-0.48816
226	SLU 51	-0.93835	-0.93835	SLV 11	-0.42444	-0.42444
227	SLU 51	-0.93478	-0.93478	SLV 11	-0.42021	-0.42021
228	SLU 51	-0.92415	-0.92415	SLV 7	-0.48231	-0.48231
229	SLU 51	-0.92267	-0.92267	SLV 7	-0.4601	-0.4601
230	SLU 51	-0.92425	-0.92425	SLV 7	-0.46853	-0.46853
231	SLU 51	-0.92541	-0.92541	SLV 7	-0.47644	-0.47644
232	SLU 52	-0.90873	-0.90873	SLV 7	-0.49036	-0.49036
233	SLU 50	-1.02024	-1.02024	SLV 11	-0.43484	-0.43484
234	SLU 52	-1.21386	-1.21386	SLV 7	-0.49491	-0.49491
235	SLU 52	-0.90563	-0.90563	SLV 7	-0.49336	-0.49336
236	SLU 52	-0.90638	-0.90638	SLV 7	-0.49805	-0.49805
237	SLU 52	-0.91175	-0.91175	SLV 7	-0.50485	-0.50485
238	SLU 50	-0.92197	-0.92197	SLV 7	-0.51376	-0.51376
239	SLU 50	-0.93662	-0.93662	SLV 7	-0.52457	-0.52457
240	SLU 50	-0.95425	-0.95425	SLV 7	-0.5366	-0.5366
241	SLU 50	-0.97299	-0.97299	SLV 7	-0.54896	-0.54896
242	SLU 51	-1.33524	-1.33524	SLV 7	-0.53199	-0.53199
243	SLU 50	-0.94277	-0.94277	SLV 11	-0.40845	-0.40845
244	SLU 50	-0.98411	-0.98411	SLV 11	-0.4277	-0.4277
245	SLU 51	-1.3602	-1.3602	SLV 7	-0.59796	-0.59796
246	SLU 51	-1.33501	-1.33501	SLV 7	-0.55237	-0.55237
247	SLU 51	-1.2541	-1.2541	SLV 7	-0.51937	-0.51937
248	SLU 51	-1.31768	-1.31768	SLV 7	-0.53074	-0.53074
249	SLU 51	-1.23035	-1.23035	SLV 7	-0.51421	-0.51421
250	SLU 51	-1.30252	-1.30252	SLV 7	-0.53001	-0.53001
251	SLU 51	-1.33658	-1.33658	SLV 7	-0.5641	-0.5641
252	SLU 51	-1.27986	-1.27986	SLV 7	-0.52715	-0.52715
253	SLU 51	-1.36458	-1.36458	SLV 7	-0.61304	-0.61304
254	SLU 51	-1.34152	-1.34152	SLV 7	-0.58045	-0.58045
255	SLU 51	-0.95139	-0.95139	SLV 11	-0.45038	-0.45038
256	SLU 51	-1.31842	-1.31842	SLV 7	-0.63103	-0.63103
257	SLU 51	-1.31792	-1.31792	SLV 7	-0.62483	-0.62483
258	SLU 51	-1.31679	-1.31679	SLV 7	-0.63805	-0.63805
259	SLU 50	-1.05692	-1.05692	SLV 11	-0.46583	-0.46583
260	SLU 51	-1.31581	-1.31581	SLV 7	-0.68159	-0.68159
261	SLU 51	-0.95623	-0.95623	SLV 11	-0.45983	-0.45983
262	SLU 51	-1.31214	-1.31214	SLV 7	-0.6536	-0.6536
263	SLU 51	-1.31363	-1.31363	SLV 7	-0.67232	-0.67232
264	SLU 50	-1.02708	-1.02708	SLV 11	-0.45516	-0.45516
265	SLU 51	-1.31613	-1.31613	SLV 7	-0.61924	-0.61924
266	SLU 51	-1.31204	-1.31204	SLV 7	-0.66269	-0.66269
267	SLU 51	-1.3141	-1.3141	SLV 7	-0.64559	-0.64559
268	SLU 51	-1.31497	-1.31497	SLV 7	-0.61451	-0.61451
269	SLU 51	-1.32352	-1.32352	SLV 11	-0.60937	-0.60937
270	SLU 51	-1.32768	-1.32768	SLV 11	-0.60986	-0.60986
271	SLU 51	-1.01986	-1.01986	SLV 11	-0.53272	-0.53272
272	SLU 51	-1.02778	-1.02778	SLV 11	-0.54225	-0.54225
273	SLU 52	-1.08963	-1.08963	SLV 11	-0.47816	-0.47816
274	SLU 51	-1.31589	-1.31589	SLV 11	-0.61154	-0.61154
275	SLU 51	-1.319	-1.319	SLV 11	-0.60991	-0.60991
276	SLU 51	-1.31679	-1.31679	SLV 7	-0.69013	-0.69013
277	SLU 51	-0.96355	-0.96355	SLV 11	-0.47099	-0.47099
278	SLU 52	-1.1241	-1.1241	SLV 11	-0.49001	-0.49001
279	SLU 51	-1.32995	-1.32995	SLV 11	-0.61122	-0.61122
280	SLU 51	-0.93547	-0.93547	SLV 11	-0.44154	-0.44154
281	SLU 51	-0.93554	-0.93554	SLV 11	-0.43763	-0.43763
282	SLU 51	-1.03728	-1.03728	SLV 11	-0.55261	-0.55261
283	SLU 51	-0.94956	-0.94956	SLV 11	-0.4453	-0.4453
284	SLU 51	-0.93378	-0.93378	SLV 11	-0.44641	-0.44641
285	SLU 51	-0.93485	-0.93485	SLV 11	-0.4347	-0.4347
286	SLU 51	-1.0496	-1.0496	SLV 11	-0.56392	-0.56392
287	SLU 51	-1.17603	-1.17603	SLV 11	-0.64667	-0.64667
288	SLU 51	-0.97368	-0.97368	SLV 11	-0.48382	-0.48382
289	SLU 52	-1.15979	-1.15979	SLV 7	-0.50243	-0.50243
290	SLU 51	-1.33107	-1.33107	SLV 11	-0.61324	-0.61324
291	SLU 51	-1.10806	-1.10806	SLV 11	-0.60572	-0.60572
292	SLU 51	-1.06562	-1.06562	SLV 11	-0.57668	-0.57668
293	SLU 51	-1.08531	-1.08531	SLV 11	-0.59071	-0.59071
294	SLU 51	-1.15632	-1.15632	SLV 11	-0.63532	-0.63532
295	SLU 51	-1.13257	-1.13257	SLV 11	-0.62112	-0.62112
296	SLU 50	-1.00432	-1.00432	SLV 11	-0.4487	-0.4487
297	SLU 51	-1.3229	-1.3229	SLV 7	-0.54341	-0.54341
298	SLU 51	-1.1903	-1.1903	SLV 11	-0.65517	-0.65517

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
299	SLU 51	-1.36239	-1.36239	SLV 7	-0.62713	-0.62713
300	SLU 51	-1.35127	-1.35127	SLV 7	-0.60083	-0.60083
301	SLU 51	-1.35348	-1.35348	SLV 7	-0.62519	-0.62519
302	SLU 51	-1.36685	-1.36685	SLV 7	-0.62541	-0.62541
303	SLU 51	-0.93114	-0.93114	SLV 11	-0.45212	-0.45212
304	SLU 51	-1.33303	-1.33303	SLV 7	-0.61557	-0.61557
305	SLU 51	-0.98611	-0.98611	SLV 11	-0.49763	-0.49763
306	SLU 51	-0.93496	-0.93496	SLV 11	-0.43336	-0.43336
307	SLU 51	-1.20032	-1.20032	SLV 11	-0.66086	-0.66086
308	SLU 52	-0.92669	-0.92669	SLV 7	-0.49773	-0.49773
309	SLU 51	-1.33736	-1.33736	SLV 7	-0.61897	-0.61897
310	SLU 51	-0.92893	-0.92893	SLV 11	-0.4586	-0.4586
311	SLU 51	-1.34438	-1.34438	SLV 7	-0.62256	-0.62256
312	SLU 51	-1.20919	-1.20919	SLV 7	-0.66522	-0.66522
313	SLU 51	-0.99987	-0.99987	SLV 11	-0.51192	-0.51192
314	SLU 51	-1.23148	-1.23148	SLV 7	-0.67385	-0.67385
315	SLU 51	-1.21914	-1.21914	SLV 7	-0.66931	-0.66931
316	SLU 51	-1.2467	-1.2467	SLV 7	-0.67926	-0.67926
317	SLU 51	-0.9366	-0.9366	SLV 11	-0.43368	-0.43368
318	SLU 51	-1.01229	-1.01229	SLV 11	-0.52474	-0.52474
319	SLU 51	-0.92801	-0.92801	SLV 7	-0.46581	-0.46581
320	SLU 52	-0.92053	-0.92053	SLV 7	-0.49964	-0.49964
321	SLU 51	-1.26445	-1.26445	SLV 7	-0.68545	-0.68545
322	SLU 51	-1.31348	-1.31348	SLV 7	-0.69675	-0.69675
323	SLU 51	-0.92866	-0.92866	SLV 7	-0.47373	-0.47373
324	SLU 51	-1.28337	-1.28337	SLV 7	-0.69143	-0.69143
325	SLU 51	-1.32868	-1.32868	SLV 7	-0.56119	-0.56119
326	SLU 51	-0.9305	-0.9305	SLV 7	-0.48206	-0.48206
327	SLU 51	-1.30117	-1.30117	SLV 7	-0.69611	-0.69611
328	SLU 51	-0.93984	-0.93984	SLV 11	-0.4355	-0.4355
329	SLU 52	-0.91493	-0.91493	SLV 7	-0.5015	-0.5015
330	SLU 51	-0.93237	-0.93237	SLV 7	-0.48997	-0.48997
331	SLU 51	-0.93186	-0.93186	SLV 7	-0.49599	-0.49599
332	SLU 52	-1.19657	-1.19657	SLV 7	-0.518	-0.518
333	SLU 52	-0.91204	-0.91204	SLV 7	-0.50443	-0.50443
334	SLU 51	-0.94449	-0.94449	SLV 11	-0.4391	-0.4391
335	SLU 52	-0.9132	-0.9132	SLV 7	-0.50916	-0.50916
336	SLU 51	-0.94882	-0.94882	SLV 11	-0.44355	-0.44355
337	SLU 52	-0.9192	-0.9192	SLV 7	-0.51617	-0.51617
338	SLU 51	-1.22216	-1.22216	SLV 7	-0.52762	-0.52762
339	SLU 50	-0.9301	-0.9301	SLV 7	-0.52543	-0.52543
340	SLU 50	-0.94548	-0.94548	SLV 7	-0.53666	-0.53666
341	SLU 50	-0.96413	-0.96413	SLV 7	-0.5492	-0.5492
342	SLU 50	-0.98379	-0.98379	SLV 7	-0.56185	-0.56185
343	SLU 51	-1.24522	-1.24522	SLV 7	-0.53951	-0.53951
344	SLU 50	-0.94624	-0.94624	SLV 11	-0.43388	-0.43388
345	SLU 51	-1.32224	-1.32224	SLV 7	-0.55914	-0.55914
346	SLU 50	-0.9777	-0.9777	SLV 11	-0.44974	-0.44974
347	SLU 51	-1.32787	-1.32787	SLV 7	-0.58113	-0.58113
348	SLU 51	-1.28876	-1.28876	SLV 7	-0.55861	-0.55861
349	SLU 51	-1.35882	-1.35882	SLV 7	-0.62815	-0.62815
350	SLU 51	-1.26844	-1.26844	SLV 7	-0.5539	-0.5539
351	SLU 50	-1.00245	-1.00245	SLV 11	-0.46371	-0.46371
352	SLU 50	-1.03199	-1.03199	SLV 11	-0.47548	-0.47548
353	SLU 51	-1.32644	-1.32644	SLV 7	-0.64973	-0.64973
354	SLU 52	-1.05881	-1.05881	SLV 11	-0.48772	-0.48772
355	SLU 51	-1.33365	-1.33365	SLV 11	-0.62932	-0.62932
356	SLU 51	-1.32397	-1.32397	SLV 7	-0.65666	-0.65666
357	SLU 51	-1.32553	-1.32553	SLV 7	-0.64479	-0.64479
358	SLU 51	-0.94335	-0.94335	SLV 11	-0.45687	-0.45687
359	SLU 51	-1.32931	-1.32931	SLV 11	-0.62979	-0.62979
360	SLU 51	-1.3202	-1.3202	SLV 7	-0.6635	-0.6635
361	SLU 51	-1.32286	-1.32286	SLV 7	-0.63959	-0.63959
362	SLU 51	-1.31754	-1.31754	SLV 7	-0.6707	-0.6707
363	SLU 51	-1.32108	-1.32108	SLV 7	-0.63486	-0.63486
364	SLU 51	-1.21572	-1.21572	SLV 7	-0.54347	-0.54347
365	SLU 51	-1.32454	-1.32454	SLV 11	-0.63042	-0.63042
366	SLU 51	-1.33185	-1.33185	SLV 7	-0.60016	-0.60016
367	SLU 51	-1.31702	-1.31702	SLV 7	-0.67927	-0.67927
368	SLU 51	-1.32167	-1.32167	SLV 7	-0.63218	-0.63218
369	SLU 51	-0.96349	-0.96349	SLV 11	-0.47533	-0.47533
370	SLU 51	-1.33465	-1.33465	SLV 11	-0.63139	-0.63139
371	SLU 52	-1.08804	-1.08804	SLV 11	-0.50041	-0.50041
372	SLU 51	-0.94344	-0.94344	SLV 11	-0.45412	-0.45412
373	SLU 51	-0.95963	-0.95963	SLV 11	-0.46767	-0.46767
374	SLU 51	-1.18487	-1.18487	SLV 11	-0.66023	-0.66023
375	SLU 51	-1.29788	-1.29788	SLV 7	-0.56833	-0.56833
376	SLU 51	-0.9703	-0.9703	SLV 11	-0.4855	-0.4855
377	SLU 51	-1.31841	-1.31841	SLV 7	-0.68863	-0.68863
378	SLU 51	-0.94126	-0.94126	SLV 11	-0.4622	-0.4622
379	SLU 51	-0.98012	-0.98012	SLV 11	-0.49766	-0.49766
380	SLU 51	-0.94261	-0.94261	SLV 11	-0.45188	-0.45188
381	SLU 51	-1.3208	-1.3208	SLV 7	-0.69817	-0.69817
382	SLU 51	-1.33394	-1.33394	SLV 11	-0.63322	-0.63322
383	SLU 52	-1.11949	-1.11949	SLV 11	-0.51331	-0.51331
384	SLU 51	-1.16424	-1.16424	SLV 11	-0.64885	-0.64885
385	SLU 51	-1.19796	-1.19796	SLV 11	-0.66873	-0.66873
386	SLU 51	-1.03441	-1.03441	SLV 11	-0.55553	-0.55553
387	SLU 51	-1.04332	-1.04332	SLV 11	-0.5651	-0.5651
388	SLU 51	-1.05543	-1.05543	SLV 11	-0.57614	-0.57614
389	SLU 51	-1.33435	-1.33435	SLV 11	-0.635	-0.635
390	SLU 51	-0.93787	-0.93787	SLV 7	-0.4676	-0.4676
391	SLU 51	-0.99267	-0.99267	SLV 11	-0.51142	-0.51142
392	SLU 51	-1.07144	-1.07144	SLV 11	-0.58886	-0.58886
393	SLU 51	-1.09129	-1.09129	SLV 11	-0.60306	-0.60306
394	SLU 51	-1.11437	-1.11437	SLV 11	-0.61845	-0.61845
395	SLU 51	-0.94267	-0.94267	SLV 11	-0.4508	-0.4508
396	SLU 51	-1.13942	-1.13942	SLV 11	-0.63429	-0.63429
397	SLU 51	-1.20655	-1.20655	SLV 11	-0.67401	-0.67401

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
398	SLU 51	-1.31794	-1.31794	SLV 7	-0.58018	-0.58018
399	SLU 51	-1.0278	-1.0278	SLV 11	-0.5476	-0.5476
400	SLU 51	-1.33733	-1.33733	SLV 7	-0.63798	-0.63798
401	SLU 51	-0.93502	-0.93502	SLV 7	-0.47327	-0.47327
402	SLU 51	-1.3226	-1.3226	SLV 7	-0.7072	-0.7072
403	SLU 51	-1.21453	-1.21453	SLV 7	-0.67804	-0.67804
404	SLU 51	-0.93363	-0.93363	SLV 7	-0.47969	-0.47969
405	SLU 51	-1.22389	-1.22389	SLV 7	-0.68184	-0.68184
406	SLU 52	-1.15332	-1.15332	SLV 11	-0.52762	-0.52762
407	SLU 51	-1.23588	-1.23588	SLV 7	-0.68646	-0.68646
408	SLU 51	-0.95893	-0.95893	SLV 11	-0.46453	-0.46453
409	SLU 51	-1.00723	-1.00723	SLV 11	-0.52636	-0.52636
410	SLU 51	-0.9444	-0.9444	SLV 11	-0.45144	-0.45144
411	SLU 51	-1.34316	-1.34316	SLV 7	-0.64197	-0.64197
412	SLU 51	-1.25082	-1.25082	SLV 7	-0.69209	-0.69209
413	SLU 51	-1.23281	-1.23281	SLV 7	-0.55534	-0.55534
414	SLU 51	-0.93404	-0.93404	SLV 7	-0.48716	-0.48716
415	SLU 51	-1.26838	-1.26838	SLV 7	-0.69851	-0.69851
416	SLU 51	-1.3061	-1.3061	SLV 7	-0.57534	-0.57534
417	SLU 51	-0.93583	-0.93583	SLV 7	-0.49518	-0.49518
418	SLU 51	-1.35121	-1.35121	SLV 7	-0.64615	-0.64615
419	SLU 51	-1.28746	-1.28746	SLV 7	-0.70508	-0.70508
420	SLU 52	-0.93322	-0.93322	SLV 7	-0.51058	-0.51058
421	SLU 52	-0.92632	-0.92632	SLV 7	-0.51135	-0.51135
422	SLU 51	-0.94794	-0.94794	SLV 11	-0.45388	-0.45388
423	SLU 51	-0.93812	-0.93812	SLV 7	-0.50314	-0.50314
424	SLU 51	-1.30615	-1.30615	SLV 7	-0.7108	-0.7108
425	SLU 52	-0.92068	-0.92068	SLV 7	-0.51263	-0.51263
426	SLU 51	-1.35975	-1.35975	SLV 7	-0.64976	-0.64976
427	SLU 51	-1.33996	-1.33996	SLV 7	-0.62095	-0.62095
428	SLU 52	-0.91806	-0.91806	SLV 7	-0.51529	-0.51529
429	SLU 51	-1.27051	-1.27051	SLV 7	-0.57143	-0.57143
430	SLU 52	-0.91967	-0.91967	SLV 7	-0.51995	-0.51995
431	SLU 51	-1.36398	-1.36398	SLV 7	-0.64967	-0.64967
432	SLU 51	-1.32054	-1.32054	SLV 7	-0.7145	-0.7145
433	SLU 51	-1.02206	-1.02206	SLV 11	-0.542	-0.542
434	SLU 51	-0.9388	-0.9388	SLV 7	-0.51032	-0.51032
435	SLU 52	-0.92615	-0.92615	SLV 7	-0.52702	-0.52702
436	SLU 51	-0.95353	-0.95353	SLV 11	-0.45896	-0.45896
437	SLU 52	-1.19153	-1.19153	SLV 7	-0.54661	-0.54661
438	SLU 50	-0.93746	-0.93746	SLV 7	-0.5364	-0.5364
439	SLU 51	-1.27964	-1.27964	SLV 7	-0.57756	-0.57756
440	SLU 51	-1.25059	-1.25059	SLV 7	-0.56854	-0.56854
441	SLU 50	-0.95323	-0.95323	SLV 7	-0.54781	-0.54781
442	SLU 50	-0.97243	-0.97243	SLV 7	-0.56083	-0.56083
443	SLU 50	-1.03869	-1.03869	SLV 11	-0.49505	-0.49505
445	SLU 50	-0.99287	-0.99287	SLU 4	-0.57347	-0.57347
446	SLU 51	-1.28657	-1.28657	SLV 7	-0.58421	-0.58421
447	SLU 51	-1.31695	-1.31695	SLV 7	-0.59956	-0.59956
448	SLU 51	-1.3075	-1.3075	SLV 7	-0.5863	-0.5863
449	SLU 50	-0.94988	-0.94988	SLV 11	-0.45835	-0.45835
450	SLU 51	-1.30129	-1.30129	SLV 7	-0.58696	-0.58696
451	SLU 51	-1.33782	-1.33782	SLV 11	-0.64677	-0.64677
452	SLU 51	-1.33259	-1.33259	SLV 7	-0.66677	-0.66677
453	SLU 51	-0.9609	-0.9609	SLV 11	-0.46874	-0.46874
454	SLU 51	-0.94903	-0.94903	SLV 11	-0.47011	-0.47011
455	SLU 51	-1.34917	-1.34917	SLV 7	-0.64233	-0.64233
456	SLU 50	-0.97791	-0.97791	SLV 11	-0.47208	-0.47208
457	SLU 50	-1.00559	-1.00559	SLV 11	-0.48466	-0.48466
458	SLU 51	-1.26028	-1.26028	SLV 7	-0.58099	-0.58099
459	SLU 51	-1.30216	-1.30216	SLV 7	-0.59037	-0.59037
460	SLU 51	-1.19143	-1.19143	SLU 2	-0.66623	-0.66623
461	SLU 52	-1.05907	-1.05907	SLV 11	-0.50896	-0.50896
462	SLU 51	-1.29126	-1.29126	SLV 7	-0.59109	-0.59109
463	SLU 51	-1.21737	-1.21737	SLV 7	-0.56753	-0.56753
464	SLU 51	-1.32974	-1.32974	SLV 7	-0.67578	-0.67578
465	SLU 51	-1.3316	-1.3316	SLV 7	-0.66533	-0.66533
466	SLU 51	-1.33349	-1.33349	SLV 11	-0.65045	-0.65045
467	SLU 51	-0.96597	-0.96597	SLV 11	-0.48239	-0.48239
468	SLU 51	-1.32545	-1.32545	SLV 7	-0.68194	-0.68194
469	SLU 51	-0.96991	-0.96991	SLV 11	-0.49005	-0.49005
470	SLU 51	-0.96448	-0.96448	SLV 11	-0.47823	-0.47823
471	SLU 51	-1.32925	-1.32925	SLV 11	-0.65153	-0.65153
472	SLU 51	-1.3288	-1.3288	SLV 7	-0.66094	-0.66094
473	SLU 51	-0.95013	-0.95013	SLV 11	-0.47079	-0.47079
474	SLU 52	-1.08544	-1.08544	SLV 11	-0.52166	-0.52166
475	SLU 51	-1.32679	-1.32679	SLV 7	-0.6563	-0.6563
476	SLU 51	-1.32244	-1.32244	SLV 7	-0.68838	-0.68838
477	SLU 51	-1.33745	-1.33745	SLV 11	-0.65192	-0.65192
478	SLU 52	-1.1946	-1.1946	SLV 7	-0.56214	-0.56214
479	SLU 51	-1.32692	-1.32692	SLV 7	-0.65338	-0.65338
480	SLU 51	-1.29485	-1.29485	SLV 7	-0.59451	-0.59451
481	SLU 51	-0.97644	-0.97644	SLV 11	-0.4996	-0.4996
482	SLU 51	-1.32138	-1.32138	SLV 7	-0.69589	-0.69589
483	SLU 51	-0.94754	-0.94754	SLV 7	-0.47847	-0.47847
484	SLU 51	-1.32212	-1.32212	SLV 7	-0.70428	-0.70428
485	SLU 51	-0.98591	-0.98591	SLV 11	-0.51119	-0.51119
486	SLU 51	-1.32035	-1.32035	SLV 7	-0.61881	-0.61881
487	SLU 52	-1.11416	-1.11416	SLV 11	-0.53439	-0.53439
488	SLU 51	-0.94966	-0.94966	SLV 11	-0.46926	-0.46926
489	SLU 51	-1.33561	-1.33561	SLV 11	-0.65339	-0.65339
490	SLU 51	-1.26781	-1.26781	SLV 7	-0.59124	-0.59124
491	SLU 51	-1.2376	-1.2376	SLV 7	-0.58047	-0.58047
492	SLU 51	-1.03917	-1.03917	SLV 11	-0.56706	-0.56706
493	SLU 51	-0.9979	-0.9979	SLV 11	-0.52418	-0.52418
494	SLU 51	-1.20305	-1.20305	SLU 2	-0.67242	-0.67242
495	SLU 51	-1.32375	-1.32375	SLV 7	-0.71291	-0.71291
496	SLU 51	-1.16971	-1.16971	SLU 2	-0.65457	-0.65457
497	SLU 51	-1.0319	-1.0319	SLV 11	-0.55869	-0.55869

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
498	SLU 51	-1.04829	-1.04829	SLV 11	-0.57674	-0.57674
499	SLU 51	-1.20417	-1.20417	SLV 7	-0.56904	-0.56904
500	SLU 51	-0.9499	-0.9499	SLV 11	-0.46842	-0.46842
501	SLU 51	-1.01141	-1.01141	SLV 11	-0.53789	-0.53789
502	SLU 51	-1.33491	-1.33491	SLV 11	-0.65501	-0.65501
503	SLU 52	-1.14352	-1.14352	SLV 11	-0.54719	-0.54719
504	SLU 51	-0.9646	-0.9646	SLV 11	-0.47858	-0.47858
505	SLU 51	-1.02366	-1.02366	SLV 11	-0.55005	-0.55005
506	SLU 51	-0.94396	-0.94396	SLV 7	-0.48365	-0.48365
507	SLU 51	-1.29666	-1.29666	SLV 7	-0.59865	-0.59865
508	SLU 51	-1.06072	-1.06072	SLV 11	-0.58828	-0.58828
509	SLU 51	-1.32435	-1.32435	SLV 7	-0.72065	-0.72065
510	SLU 51	-1.21109	-1.21109	SLU 2	-0.67672	-0.67672
511	SLU 51	-1.14465	-1.14465	SLU 2	-0.64108	-0.64108
512	SLU 51	-1.1199	-1.1199	SLU 2	-0.62767	-0.62767
513	SLU 51	-0.95155	-0.95155	SLV 11	-0.469	-0.469
514	SLU 51	-1.07703	-1.07703	SLV 11	-0.60142	-0.60142
515	SLU 51	-0.94078	-0.94078	SLV 7	-0.48852	-0.48852
516	SLU 51	-1.09695	-1.09695	SLU 2	-0.6151	-0.6151
517	SLU 51	-1.33659	-1.33659	SLV 11	-0.65774	-0.65774
518	SLU 51	-1.21888	-1.21888	SLU 2	-0.68079	-0.68079
519	SLU 51	-0.93894	-0.93894	SLV 7	-0.49401	-0.49401
520	SLU 51	-1.35505	-1.35505	SLV 7	-0.66164	-0.66164
521	SLU 51	-1.28749	-1.28749	SLV 7	-0.59978	-0.59978
522	SLU 51	-1.27394	-1.27394	SLV 7	-0.59717	-0.59717
523	SLU 51	-1.22813	-1.22813	SLU 2	-0.68552	-0.68552
524	SLU 51	-0.93876	-0.93876	SLV 7	-0.50042	-0.50042
525	SLU 51	-1.23981	-1.23981	SLU 2	-0.69141	-0.69141
526	SLU 51	-1.34085	-1.34085	SLV 11	-0.66098	-0.66098
527	SLU 51	-1.30416	-1.30416	SLV 7	-0.60357	-0.60357
528	SLU 51	-1.25428	-1.25428	SLU 2	-0.69865	-0.69865
529	SLU 51	-1.31997	-1.31997	SLV 7	-0.72496	-0.72496
530	SLU 51	-0.93988	-0.93988	SLV 7	-0.5074	-0.5074
531	SLU 51	-0.95478	-0.95478	SLV 11	-0.47128	-0.47128
532	SLU 51	-1.24951	-1.24951	SLV 7	-0.58996	-0.58996
533	SLU 51	-1.28951	-1.28951	SLU 2	-0.71616	-0.71616
534	SLU 51	-1.27121	-1.27121	SLU 2	-0.70708	-0.70708
535	SLU 51	-0.94124	-0.94124	SLV 7	-0.51406	-0.51406
536	SLU 51	-1.30722	-1.30722	SLV 7	-0.72297	-0.72297
537	SLU 52	-1.17253	-1.17253	SLV 11	-0.56165	-0.56165
538	SLU 51	-1.28009	-1.28009	SLV 7	-0.60064	-0.60064
539	SLU 51	-1.28946	-1.28946	SLV 7	-0.60213	-0.60213
540	SLU 51	-1.34691	-1.34691	SLV 7	-0.66515	-0.66515
541	SLU 52	-0.93649	-0.93649	SLV 7	-0.52125	-0.52125
542	SLU 52	-0.93048	-0.93048	SLV 7	-0.52183	-0.52183
543	SLU 51	-0.94059	-0.94059	SLV 7	-0.5196	-0.5196
544	SLU 52	-0.92549	-0.92549	SLV 7	-0.52292	-0.52292
545	SLU 51	-0.95925	-0.95925	SLV 11	-0.47537	-0.47537
546	SLU 51	-1.29706	-1.29706	SLV 7	-0.60397	-0.60397
547	SLU 52	-0.92349	-0.92349	SLV 7	-0.52545	-0.52545
548	SLU 52	-1.18812	-1.18812	SLV 11	-0.57022	-0.57022
549	SLU 51	-1.26587	-1.26587	SLV 7	-0.59954	-0.59954
550	SLU 52	-0.92567	-0.92567	SLV 7	-0.53009	-0.53009
551	SLU 51	-1.32761	-1.32761	SLV 7	-0.6385	-0.6385
552	SLU 51	-1.29121	-1.29121	SLV 7	-0.60526	-0.60526
553	SLU 52	-0.93262	-0.93262	SLV 7	-0.53713	-0.53713
554	SLU 51	-1.25693	-1.25693	SLV 7	-0.59771	-0.59771
555	SLU 51	-1.28119	-1.28119	SLV 7	-0.60537	-0.60537
556	SLU 52	-0.94419	-0.94419	SLV 7	-0.54649	-0.54649
557	SLU 51	-1.26887	-1.26887	SLV 7	-0.60284	-0.60284
558	SLU 51	-1.35219	-1.35219	SLV 7	-0.66991	-0.66991
559	SLU 51	-1.20108	-1.20108	SLV 7	-0.57818	-0.57818
560	SLU 50	-0.9599	-0.9599	SLU 4	-0.55537	-0.55537
561	SLU 51	-1.29202	-1.29202	SLV 7	-0.60827	-0.60827
562	SLU 51	-1.21504	-1.21504	SLV 7	-0.58444	-0.58444
563	SLU 50	-0.97847	-0.97847	SLU 4	-0.56544	-0.56544
564	SLU 51	-1.29729	-1.29729	SLV 7	-0.61001	-0.61001
565	SLU 51	-0.96459	-0.96459	SLV 11	-0.4831	-0.4831
566	SLU 51	-1.28373	-1.28373	SLV 7	-0.60898	-0.60898
567	SLU 51	-1.2721	-1.2721	SLV 7	-0.60676	-0.60676
568	SLU 50	-0.99775	-0.99775	SLU 4	-0.57581	-0.57581
569	SLU 51	-1.26018	-1.26018	SLV 7	-0.60348	-0.60348
570	SLU 51	-1.3047	-1.3047	SLV 7	-0.61952	-0.61952
571	SLU 51	-1.23089	-1.23089	SLV 7	-0.59352	-0.59352
572	SLU 51	-1.24177	-1.24177	SLV 7	-0.59875	-0.59875
573	SLU 51	-1.2858	-1.2858	SLV 7	-0.61204	-0.61204
574	SLU 51	-1.26308	-1.26308	SLV 7	-0.60727	-0.60727
575	SLU 50	-0.95404	-0.95404	SLV 11	-0.48167	-0.48167
576	SLU 50	-1.03173	-1.03173	SLV 11	-0.51762	-0.51762
577	SLU 50	-0.97962	-0.97962	SLV 11	-0.49437	-0.49437
578	SLU 50	-1.0064	-1.0064	SLV 11	-0.50678	-0.50678
579	SLU 51	-0.96791	-0.96791	SLV 11	-0.48935	-0.48935
580	SLU 51	-1.33578	-1.33578	SLV 7	-0.65798	-0.65798
581	SLU 51	-1.249	-1.249	SLV 7	-0.60442	-0.60442
582	SLU 51	-1.27354	-1.27354	SLV 7	-0.61251	-0.61251
583	SLU 51	-0.96983	-0.96983	SLV 11	-0.49334	-0.49334
584	SLU 51	-1.26583	-1.26583	SLV 7	-0.61077	-0.61077
585	SLU 52	-1.18375	-1.18375	SLV 11	-0.57995	-0.57995
586	SLU 51	-1.2872	-1.2872	SLV 7	-0.61526	-0.61526
587	SLU 52	-1.05495	-1.05495	SLV 11	-0.52989	-0.52989
588	SLU 51	-0.97226	-0.97226	SLV 11	-0.4985	-0.4985
589	SLU 51	-1.25401	-1.25401	SLV 7	-0.60808	-0.60808
590	SLU 52	-1.08255	-1.08255	SLV 11	-0.54214	-0.54214
591	SLU 51	-1.33637	-1.33637	SLV 7	-0.69206	-0.69206
592	SLU 51	-0.97634	-0.97634	SLV 11	-0.50563	-0.50563
593	SLU 51	-1.27759	-1.27759	SLV 7	-0.61574	-0.61574
594	SLU 51	-1.28924	-1.28924	SLV 7	-0.6174	-0.6174
595	SLU 51	-1.02516	-1.02516	SLV 11	-0.55857	-0.55857
596	SLU 51	-1.26776	-1.26776	SLV 7	-0.61382	-0.61382

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
597	SLU 51	-1.33828	-1.33828	SLV 11	-0.67337	-0.67337
598	SLU 51	-1.33618	-1.33618	SLV 11	-0.67337	-0.67337
599	SLU 51	-1.33351	-1.33351	SLV 11	-0.67399	-0.67399
600	SLU 51	-1.33399	-1.33399	SLV 7	-0.69728	-0.69728
601	SLU 51	-1.33205	-1.33205	SLV 7	-0.6758	-0.6758
602	SLU 51	-1.33228	-1.33228	SLV 7	-0.67882	-0.67882
603	SLU 51	-0.98266	-0.98266	SLV 11	-0.51445	-0.51445
604	SLU 51	-1.33404	-1.33404	SLV 7	-0.68326	-0.68326
605	SLU 51	-1.33019	-1.33019	SLV 7	-0.70182	-0.70182
606	SLU 51	-1.32707	-1.32707	SLV 7	-0.70691	-0.70691
607	SLU 51	-1.33618	-1.33618	SLV 7	-0.68844	-0.68844
608	SLU 51	-1.32543	-1.32543	SLV 7	-0.71289	-0.71289
609	SLU 51	-1.03444	-1.03444	SLV 11	-0.56858	-0.56858
610	SLU 51	-1.25725	-1.25725	SLV 7	-0.61154	-0.61154
611	SLU 52	-1.11062	-1.11062	SLV 11	-0.5549	-0.5549
612	SLU 51	-1.04275	-1.04275	SLV 11	-0.57762	-0.57762
613	SLU 51	-1.19549	-1.19549	SLV 11	-0.58824	-0.58824
614	SLU 51	-1.32525	-1.32525	SLV 7	-0.71991	-0.71991
615	SLU 51	-0.9916	-0.9916	SLV 11	-0.5252	-0.5252
616	SLU 51	-1.05236	-1.05236	SLV 11	-0.58741	-0.58741
617	SLU 51	-0.9554	-0.9554	SLV 7	-0.49262	-0.49262
618	SLU 51	-1.28001	-1.28001	SLV 7	-0.61876	-0.61876
619	SLU 51	-1.32542	-1.32542	SLV 7	-0.72685	-0.72685
620	SLU 51	-1.33815	-1.33815	SLV 11	-0.67503	-0.67503
621	SLU 51	-0.95653	-0.95653	SLV 11	-0.49024	-0.49024
622	SLU 51	-1.3082	-1.3082	SLV 7	-0.63735	-0.63735
623	SLU 51	-1.00274	-1.00274	SLV 11	-0.53729	-0.53729
624	SLU 51	-1.23688	-1.23688	SLV 7	-0.60595	-0.60595
625	SLU 51	-1.01475	-1.01475	SLV 11	-0.5493	-0.5493
626	SLU 52	-1.13899	-1.13899	SLV 11	-0.56791	-0.56791
627	SLU 51	-1.2604	-1.2604	SLV 7	-0.61501	-0.61501
628	SLU 51	-0.9567	-0.9567	SLV 11	-0.48828	-0.48828
629	SLU 51	-1.33633	-1.33633	SLV 11	-0.67505	-0.67505
630	SLU 51	-1.24948	-1.24948	SLV 7	-0.61186	-0.61186
631	SLU 51	-1.32397	-1.32397	SLU 2	-0.73263	-0.73263
632	SLU 51	-1.20972	-1.20972	SLV 7	-0.59688	-0.59688
633	SLU 51	-0.95726	-0.95726	SLV 11	-0.4873	-0.4873
634	SLU 51	-1.1913	-1.1913	SLU 2	-0.66591	-0.66591
635	SLU 51	-1.28988	-1.28988	SLV 7	-0.62275	-0.62275
636	SLU 51	-1.33506	-1.33506	SLV 11	-0.67582	-0.67582
637	SLU 52	-1.16804	-1.16804	SLV 11	-0.58106	-0.58106
638	SLU 51	-0.95338	-0.95338	SLV 7	-0.49749	-0.49749
639	SLU 51	-1.26375	-1.26375	SLV 7	-0.61803	-0.61803
640	SLU 51	-1.33562	-1.33562	SLV 11	-0.67734	-0.67734
641	SLU 51	-0.95893	-0.95893	SLV 11	-0.48788	-0.48788
642	SLU 51	-1.3417	-1.3417	SLV 7	-0.67444	-0.67444
643	SLU 51	-1.06559	-1.06559	SLU 2	-0.59719	-0.59719
644	SLU 51	-1.31806	-1.31806	SLU 2	-0.73005	-0.73005
645	SLU 51	-1.26822	-1.26822	SLV 7	-0.61991	-0.61991
646	SLU 51	-1.17169	-1.17169	SLU 2	-0.65539	-0.65539
647	SLU 51	-1.33816	-1.33816	SLV 11	-0.67929	-0.67929
648	SLU 51	-0.94976	-0.94976	SLV 7	-0.50083	-0.50083
649	SLU 51	-1.2427	-1.2427	SLV 7	-0.61178	-0.61178
650	SLU 51	-1.08233	-1.08233	SLU 2	-0.60663	-0.60663
651	SLU 51	-1.2808	-1.2808	SLV 7	-0.62296	-0.62296
652	SLU 51	-1.10225	-1.10225	SLU 2	-0.61769	-0.61769
653	SLU 51	-1.20457	-1.20457	SLU 2	-0.67304	-0.67304
654	SLU 51	-1.12474	-1.12474	SLU 2	-0.63001	-0.63001
655	SLU 51	-1.34176	-1.34176	SLV 11	-0.68121	-0.68121
656	SLU 51	-1.25161	-1.25161	SLV 7	-0.61549	-0.61549
657	SLU 51	-1.14845	-1.14845	SLU 2	-0.64287	-0.64287
658	SLU 51	-1.30635	-1.30635	SLU 2	-0.72444	-0.72444
659	SLU 51	-0.94647	-0.94647	SLV 7	-0.50464	-0.50464
660	SLU 51	-1.21401	-1.21401	SLU 2	-0.6781	-0.6781
661	SLU 51	-1.2722	-1.2722	SLV 7	-0.62206	-0.62206
662	SLU 51	-1.22553	-1.22553	SLV 7	-0.60616	-0.60616
663	SLU 51	-1.22247	-1.22247	SLU 2	-0.68254	-0.68254
664	SLU 51	-0.94424	-0.94424	SLV 7	-0.50908	-0.50908
665	SLU 51	-1.34437	-1.34437	SLV 7	-0.68242	-0.68242
666	SLU 51	-0.96172	-0.96172	SLV 11	-0.48994	-0.48994
667	SLU 51	-1.29026	-1.29026	SLU 2	-0.71655	-0.71655
668	SLU 51	-0.94329	-0.94329	SLV 7	-0.51416	-0.51416
669	SLU 51	-1.23197	-1.23197	SLU 2	-0.68742	-0.68742
670	SLU 51	-0.94327	-0.94327	SLV 7	-0.51962	-0.51962
671	SLU 51	-1.27336	-1.27336	SLU 2	-0.70817	-0.70817
672	SLU 51	-1.24352	-1.24352	SLU 2	-0.69326	-0.69326
673	SLU 51	-1.25744	-1.25744	SLU 2	-0.70024	-0.70024
674	SLU 51	-1.27523	-1.27523	SLV 7	-0.62368	-0.62368
675	SLU 51	-0.94315	-0.94315	SLV 7	-0.52482	-0.52482
676	SLU 52	-0.94142	-0.94142	SLV 7	-0.52864	-0.52864
677	SLU 52	-0.9382	-0.9382	SLV 7	-0.53056	-0.53056
678	SLU 52	-0.93362	-0.93362	SLV 7	-0.53138	-0.53138
679	SLU 51	-0.96522	-0.96522	SLV 11	-0.49331	-0.49331
680	SLU 51	-1.25492	-1.25492	SLV 7	-0.61952	-0.61952
681	SLU 52	-0.92982	-0.92982	SLV 7	-0.53257	-0.53257
682	SLU 51	-1.291	-1.291	SLV 7	-0.62941	-0.62941
683	SLU 52	-0.92869	-0.92869	SLV 7	-0.5351	-0.5351
684	SLU 51	-1.31555	-1.31555	SLV 7	-0.6549	-0.6549
685	SLU 52	-0.93147	-0.93147	SLU 1	-0.53785	-0.53785
686	SLU 51	-1.28173	-1.28173	SLV 7	-0.62766	-0.62766
687	SLU 52	-0.93883	-0.93883	SLU 1	-0.54266	-0.54266
688	SLU 51	-1.25872	-1.25872	SLV 7	-0.62326	-0.62326
689	SLU 51	-1.24522	-1.24522	SLV 7	-0.61873	-0.61873
690	SLU 52	-0.95048	-0.95048	SLU 1	-0.54973	-0.54973
691	SLU 51	-0.96908	-0.96908	SLV 11	-0.49833	-0.49833
692	SLU 52	-1.18662	-1.18662	SLV 11	-0.5967	-0.5967
693	SLU 50	-0.96596	-0.96596	SLU 4	-0.55833	-0.55833
694	SLU 51	-1.26299	-1.26299	SLV 7	-0.62634	-0.62634
695	SLU 51	-1.23312	-1.23312	SLV 7	-0.61615	-0.61615

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
696	SLU 50	-0.98368	-0.98368	SLU 4	-0.56787	-0.56787
697	SLU 51	-1.34265	-1.34265	SLV 7	-0.68605	-0.68605
698	SLU 51	-1.27325	-1.27325	SLV 7	-0.63011	-0.63011
699	SLU 51	-1.26767	-1.26767	SLV 7	-0.62891	-0.62891
700	SLU 50	-1.00211	-1.00211	SLU 4	-0.57776	-0.57776
701	SLU 51	-0.97216	-0.97216	SLV 11	-0.50305	-0.50305
702	SLU 51	-1.2489	-1.2489	SLV 7	-0.62396	-0.62396
703	SLU 51	-1.29324	-1.29324	SLV 7	-0.63977	-0.63977
704	SLU 50	-1.03131	-1.03131	SLV 11	-0.53681	-0.53681
705	SLU 51	-1.20245	-1.20245	SLV 11	-0.60758	-0.60758
706	SLU 52	-1.0556	-1.0556	SLV 11	-0.54814	-0.54814
707	SLU 51	-0.97502	-0.97502	SLV 11	-0.50818	-0.50818
708	SLU 51	-1.28087	-1.28087	SLV 7	-0.63528	-0.63528
709	SLU 51	-1.23813	-1.23813	SLV 7	-0.62299	-0.62299
710	SLU 50	-0.95982	-0.95982	SLV 15	-0.50312	-0.50312
711	SLU 50	-1.01015	-1.01015	SLV 11	-0.52885	-0.52885
712	SLU 51	-1.25288	-1.25288	SLV 7	-0.6286	-0.6286
713	SLU 51	-1.27531	-1.27531	SLV 7	-0.63479	-0.63479
714	SLU 52	-1.08165	-1.08165	SLV 11	-0.56086	-0.56086
715	SLU 50	-0.98303	-0.98303	SLV 11	-0.51616	-0.51616
716	SLU 51	-0.97829	-0.97829	SLV 11	-0.5141	-0.5141
717	SLU 51	-1.32277	-1.32277	SLV 7	-0.67294	-0.67294
718	SLU 51	-1.28699	-1.28699	SLV 7	-0.64006	-0.64006
719	SLU 51	-1.21637	-1.21637	SLV 11	-0.61633	-0.61633
720	SLU 51	-1.03749	-1.03749	SLV 11	-0.57885	-0.57885
721	SLU 52	-1.10867	-1.10867	SLV 11	-0.57419	-0.57419
722	SLU 51	-1.25726	-1.25726	SLV 7	-0.63281	-0.63281
723	SLU 51	-1.04616	-1.04616	SLU 2	-0.58567	-0.58567
724	SLU 51	-1.33748	-1.33748	SLV 7	-0.6982	-0.6982
725	SLU 51	-1.33797	-1.33797	SLV 11	-0.69635	-0.69635
726	SLU 51	-1.28817	-1.28817	SLV 7	-0.64339	-0.64339
727	SLU 51	-1.02889	-1.02889	SLV 11	-0.57047	-0.57047
728	SLU 51	-1.339	-1.339	SLV 11	-0.69553	-0.69553
729	SLU 51	-1.3297	-1.3297	SLV 7	-0.72978	-0.72978
730	SLU 51	-1.3381	-1.3381	SLV 7	-0.70153	-0.70153
731	SLU 51	-1.27609	-1.27609	SLV 7	-0.63833	-0.63833
732	SLU 51	-0.98897	-0.98897	SLV 11	-0.52926	-0.52926
733	SLU 51	-1.24261	-1.24261	SLV 7	-0.62859	-0.62859
734	SLU 51	-1.22567	-1.22567	SLV 7	-0.62224	-0.62224
735	SLU 51	-0.98309	-0.98309	SLV 11	-0.5219	-0.5219
736	SLU 51	-1.32852	-1.32852	SLU 2	-0.73393	-0.73393
737	SLU 51	-1.33185	-1.33185	SLV 7	-0.72538	-0.72538
738	SLU 51	-1.33955	-1.33955	SLV 11	-0.69524	-0.69524
739	SLU 51	-1.34056	-1.34056	SLV 7	-0.71024	-0.71024
740	SLU 51	-1.34019	-1.34019	SLV 7	-0.71421	-0.71421
741	SLU 51	-1.33496	-1.33496	SLV 7	-0.72166	-0.72166
742	SLU 51	-1.33958	-1.33958	SLV 7	-0.70619	-0.70619
743	SLU 51	-1.33812	-1.33812	SLV 7	-0.71798	-0.71798
744	SLU 51	-1.28212	-1.28212	SLV 7	-0.64129	-0.64129
745	SLU 51	-1.32731	-1.32731	SLU 2	-0.73384	-0.73384
746	SLU 51	-0.99748	-0.99748	SLV 11	-0.53927	-0.53927
747	SLU 52	-1.13608	-1.13608	SLV 11	-0.58764	-0.58764
748	SLU 51	-1.26187	-1.26187	SLV 7	-0.63655	-0.63655
749	SLU 51	-1.05622	-1.05622	SLU 2	-0.59145	-0.59145
750	SLU 51	-1.33901	-1.33901	SLV 11	-0.69572	-0.69572
751	SLU 51	-1.33988	-1.33988	SLV 11	-0.69547	-0.69547
752	SLU 51	-1.32437	-1.32437	SLU 2	-0.73284	-0.73284
753	SLU 51	-1.00784	-1.00784	SLV 11	-0.5506	-0.5506
754	SLU 51	-1.26652	-1.26652	SLV 7	-0.6393	-0.6393
755	SLU 51	-1.23183	-1.23183	SLV 7	-0.62773	-0.62773
756	SLU 51	-0.96376	-0.96376	SLV 11	-0.50704	-0.50704
757	SLU 51	-1.3374	-1.3374	SLV 11	-0.69619	-0.69619
758	SLU 52	-1.16238	-1.16238	SLV 11	-0.60048	-0.60048
759	SLU 51	-0.96288	-0.96288	SLV 7	-0.50907	-0.50907
760	SLU 51	-1.24676	-1.24676	SLV 7	-0.634	-0.634
761	SLU 51	-0.96478	-0.96478	SLV 11	-0.50612	-0.50612
762	SLU 51	-0.96126	-0.96126	SLV 7	-0.51151	-0.51151
763	SLU 51	-1.29638	-1.29638	SLV 7	-0.65693	-0.65693
764	SLU 51	-1.31774	-1.31774	SLU 2	-0.7299	-0.7299
765	SLU 52	-1.18108	-1.18108	SLV 11	-0.60904	-0.60904
766	SLU 51	-1.32986	-1.32986	SLV 7	-0.68796	-0.68796
767	SLU 51	-0.96651	-0.96651	SLV 11	-0.50663	-0.50663
768	SLU 51	-1.33588	-1.33588	SLV 11	-0.69711	-0.69711
769	SLU 51	-1.26974	-1.26974	SLV 7	-0.64235	-0.64235
770	SLU 51	-1.33808	-1.33808	SLV 11	-0.69851	-0.69851
771	SLU 51	-1.02006	-1.02006	SLV 11	-0.56374	-0.56374
772	SLU 51	-0.95888	-0.95888	SLV 7	-0.51474	-0.51474
773	SLU 51	-1.33545	-1.33545	SLV 11	-0.698	-0.698
774	SLU 51	-1.33638	-1.33638	SLV 11	-0.69864	-0.69864
775	SLU 51	-1.30662	-1.30662	SLU 2	-0.7246	-0.7246
776	SLU 51	-1.23654	-1.23654	SLV 7	-0.63299	-0.63299
777	SLU 51	-1.28208	-1.28208	SLV 7	-0.6479	-0.6479
778	SLU 51	-0.96896	-0.96896	SLV 11	-0.50836	-0.50836
779	SLU 51	-0.95562	-0.95562	SLV 7	-0.51763	-0.51763
780	SLU 51	-1.2216	-1.2216	SLV 11	-0.62769	-0.62769
781	SLU 51	-1.10785	-1.10785	SLU 2	-0.62043	-0.62043
782	SLU 51	-1.27189	-1.27189	SLV 7	-0.64472	-0.64472
783	SLU 51	-1.17298	-1.17298	SLU 2	-0.65589	-0.65589
784	SLU 51	-1.19119	-1.19119	SLU 2	-0.66571	-0.66571
785	SLU 51	-1.12945	-1.12945	SLU 2	-0.63228	-0.63228
786	SLU 51	-1.15171	-1.15171	SLU 2	-0.64439	-0.64439
787	SLU 51	-1.0882	-1.0882	SLU 2	-0.60951	-0.60951
788	SLU 51	-1.19676	-1.19676	SLV 11	-0.61837	-0.61837
789	SLU 51	-1.25138	-1.25138	SLV 7	-0.63924	-0.63924
790	SLU 51	-0.95233	-0.95233	SLV 7	-0.52059	-0.52059
791	SLU 51	-1.29174	-1.29174	SLU 2	-0.71732	-0.71732
792	SLU 51	-1.20541	-1.20541	SLU 2	-0.67335	-0.67335
793	SLU 51	-1.21636	-1.21636	SLU 2	-0.6792	-0.6792
794	SLU 51	-0.94975	-0.94975	SLV 7	-0.52397	-0.52397

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
795	SLU 51	-1.22585	-1.22585	SLU 2	-0.6842	-0.6842
796	SLU 51	-0.94809	-0.94809	SLV 7	-0.5278	-0.5278
797	SLU 51	-0.947	-0.947	SLV 7	-0.53174	-0.53174
798	SLU 51	-1.2761	-1.2761	SLU 2	-0.70957	-0.70957
799	SLU 51	-1.23579	-1.23579	SLU 2	-0.68932	-0.68932
800	SLU 51	-0.97183	-0.97183	SLV 11	-0.51098	-0.51098
801	SLU 51	-1.24734	-1.24734	SLU 2	-0.69518	-0.69518
802	SLU 51	-0.94572	-0.94572	SLV 7	-0.53541	-0.53541
803	SLU 51	-1.26086	-1.26086	SLU 2	-0.70197	-0.70197
804	SLU 50	-1.03658	-1.03658	SLV 11	-0.55203	-0.55203
805	SLU 52	-0.94366	-0.94366	SLV 7	-0.53812	-0.53812
806	SLU 51	-1.28405	-1.28405	SLV 7	-0.65189	-0.65189
807	SLU 51	-1.0706	-1.0706	SLU 2	-0.59955	-0.59955
808	SLU 52	-0.94072	-0.94072	SLV 7	-0.53967	-0.53967
809	SLU 51	-1.22699	-1.22699	SLV 11	-0.63214	-0.63214
810	SLU 52	-0.93713	-0.93713	SLU 1	-0.53845	-0.53845
811	SLU 51	-1.27356	-1.27356	SLV 7	-0.64748	-0.64748
812	SLU 51	-1.28704	-1.28704	SLV 7	-0.65513	-0.65513
813	SLU 52	-0.93438	-0.93438	SLU 1	-0.53765	-0.53765
814	SLU 52	-0.93408	-0.93408	SLU 1	-0.53824	-0.53824
815	SLU 51	-1.30449	-1.30449	SLV 7	-0.67133	-0.67133
816	SLU 51	-0.97487	-0.97487	SLV 11	-0.51438	-0.51438
817	SLU 52	-0.93747	-0.93747	SLU 1	-0.54084	-0.54084
818	SLU 52	-0.9452	-0.9452	SLU 1	-0.54577	-0.54577
819	SLU 51	-1.25606	-1.25606	SLV 7	-0.6442	-0.6442
820	SLU 51	-1.24001	-1.24001	SLV 7	-0.63907	-0.63907
821	SLU 52	-0.957	-0.957	SLU 1	-0.55284	-0.55284
822	SLU 51	-1.21225	-1.21225	SLV 11	-0.62852	-0.62852
823	SLU 51	-1.23152	-1.23152	SLV 7	-0.63624	-0.63624
824	SLU 52	-1.05636	-1.05636	SLV 11	-0.56399	-0.56399
825	SLU 50	-0.97235	-0.97235	SLU 4	-0.56139	-0.56139
826	SLU 51	-0.97786	-0.97786	SLV 11	-0.51843	-0.51843
827	SLU 51	-1.26115	-1.26115	SLV 7	-0.6473	-0.6473
828	SLU 50	-0.98984	-0.98984	SLU 4	-0.57075	-0.57075
829	SLU 51	-1.2895	-1.2895	SLV 7	-0.66148	-0.66148
830	SLU 50	-1.00801	-1.00801	SLU 4	-0.58043	-0.58043
831	SLU 51	-1.26517	-1.26517	SLV 7	-0.64954	-0.64954
832	SLU 51	-1.33381	-1.33381	SLV 11	-0.70078	-0.70078
833	SLU 51	-1.268	-1.268	SLV 7	-0.65044	-0.65044
834	SLU 51	-1.27487	-1.27487	SLV 7	-0.65273	-0.65273
835	SLU 51	-0.981	-0.981	SLV 11	-0.52329	-0.52329
836	SLU 52	-1.08175	-1.08175	SLV 11	-0.57812	-0.57812
837	SLU 51	-1.2226	-1.2226	SLV 11	-0.63652	-0.63652
838	SLU 51	-1.24528	-1.24528	SLV 7	-0.64542	-0.64542
839	SLU 52	-1.17948	-1.17948	SLV 11	-0.62001	-0.62001
840	SLU 51	-1.03386	-1.03386	SLU 2	-0.57832	-0.57832
841	SLU 51	-1.04153	-1.04153	SLU 2	-0.58268	-0.58268
842	SLU 51	-1.02818	-1.02818	SLU 2	-0.57509	-0.57509
843	SLU 51	-1.04976	-1.04976	SLU 2	-0.58739	-0.58739
844	SLU 51	-0.98483	-0.98483	SLV 11	-0.52949	-0.52949
845	SLU 52	-1.10914	-1.10914	SLV 11	-0.59253	-0.59253
846	SLU 50	-0.96845	-0.96845	SLV 15	-0.51455	-0.51455
847	SLU 51	-1.19161	-1.19161	SLV 11	-0.62754	-0.62754
848	SLU 51	-1.2312	-1.2312	SLV 11	-0.64345	-0.64345
849	SLU 51	-1.05865	-1.05865	SLU 2	-0.59248	-0.59248
850	SLU 50	-0.9941	-0.9941	SLV 15	-0.53603	-0.53603
851	SLU 50	-1.02329	-1.02329	SLV 11	-0.55486	-0.55486
852	SLU 51	-1.21341	-1.21341	SLV 11	-0.63682	-0.63682
853	SLU 51	-1.34379	-1.34379	SLV 11	-0.71856	-0.71856
854	SLU 51	-1.3442	-1.3442	SLV 7	-0.72091	-0.72091
855	SLU 51	-1.34368	-1.34368	SLV 11	-0.71719	-0.71719
856	SLU 51	-1.33486	-1.33486	SLU 2	-0.73672	-0.73672
857	SLU 51	-1.3329	-1.3329	SLU 2	-0.73623	-0.73623
858	SLU 51	-1.26703	-1.26703	SLV 7	-0.65694	-0.65694
859	SLU 51	-1.20293	-1.20293	SLV 11	-0.634	-0.634
860	SLU 51	-1.34328	-1.34328	SLV 11	-0.71656	-0.71656
861	SLU 51	-1.34539	-1.34539	SLV 7	-0.72491	-0.72491
862	SLU 51	-1.3308	-1.3308	SLU 2	-0.73567	-0.73567
863	SLU 51	-1.06666	-1.06666	SLU 2	-0.59704	-0.59704
864	SLU 51	-1.3115	-1.3115	SLV 7	-0.68963	-0.68963
865	SLU 52	-1.13693	-1.13693	SLV 11	-0.60717	-0.60717
866	SLU 51	-1.33767	-1.33767	SLU 2	-0.7377	-0.7377
867	SLU 51	-1.27503	-1.27503	SLV 7	-0.66085	-0.66085
868	SLU 51	-1.25006	-1.25006	SLV 7	-0.65261	-0.65261
869	SLU 51	-1.21892	-1.21892	SLV 11	-0.6412	-0.6412
870	SLU 51	-1.3422	-1.3422	SLV 11	-0.71661	-0.71661
871	SLU 51	-1.25677	-1.25677	SLV 7	-0.65567	-0.65567
872	SLU 51	-1.2619	-1.2619	SLV 7	-0.65737	-0.65737
873	SLU 51	-1.3272	-1.3272	SLU 2	-0.73432	-0.73432
874	SLU 51	-1.00422	-1.00422	SLV 11	-0.55353	-0.55353
875	SLU 51	-1.27846	-1.27846	SLV 7	-0.66439	-0.66439
876	SLU 51	-1.23934	-1.23934	SLV 7	-0.65024	-0.65024
877	SLU 51	-1.34663	-1.34663	SLV 7	-0.73678	-0.73678
878	SLU 51	-0.9969	-0.9969	SLV 11	-0.5458	-0.5458
879	SLU 51	-1.34723	-1.34723	SLV 7	-0.73068	-0.73068
880	SLU 51	-1.34761	-1.34761	SLV 7	-0.73407	-0.73407
881	SLU 51	-1.34451	-1.34451	SLV 7	-0.7399	-0.7399
882	SLU 51	-1.22412	-1.22412	SLV 11	-0.64495	-0.64495
883	SLU 51	-1.34144	-1.34144	SLU 2	-0.73925	-0.73925
884	SLU 51	-1.01312	-1.01312	SLV 11	-0.56291	-0.56291
885	SLU 51	-1.28198	-1.28198	SLV 7	-0.66819	-0.66819
886	SLU 51	-1.26944	-1.26944	SLV 7	-0.66114	-0.66114
887	SLU 51	-1.29137	-1.29137	SLV 7	-0.67605	-0.67605
888	SLU 51	-0.97181	-0.97181	SLV 11	-0.52587	-0.52587
889	SLU 51	-1.34054	-1.34054	SLV 11	-0.71764	-0.71764
890	SLU 51	-0.99141	-0.99141	SLV 11	-0.53999	-0.53999
891	SLU 51	-1.20928	-1.20928	SLV 11	-0.64065	-0.64065
892	SLU 51	-1.28592	-1.28592	SLV 7	-0.67272	-0.67272
893	SLU 51	-0.97318	-0.97318	SLV 11	-0.52512	-0.52512

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
894	SLU 52	-1.16668	-1.16668	SLV 11	-0.62332	-0.62332
895	SLU 51	-1.32057	-1.32057	SLU 2	-0.73139	-0.73139
896	SLU 51	-0.97047	-0.97047	SLV 7	-0.52765	-0.52765
897	SLU 51	-1.32156	-1.32156	SLV 11	-0.70241	-0.70241
898	SLU 51	-1.24397	-1.24397	SLV 7	-0.65456	-0.65456
899	SLU 51	-0.97491	-0.97491	SLV 11	-0.52537	-0.52537
900	SLU 51	-1.33515	-1.33515	SLV 11	-0.71461	-0.71461
901	SLU 51	-0.96855	-0.96855	SLV 7	-0.52978	-0.52978
902	SLU 51	-1.29788	-1.29788	SLV 7	-0.68412	-0.68412
903	SLU 51	-1.02295	-1.02295	SLU 2	-0.57194	-0.57194
904	SLU 51	-0.97715	-0.97715	SLV 11	-0.52663	-0.52663
905	SLU 51	-1.19896	-1.19896	SLV 11	-0.63879	-0.63879
906	SLU 51	-1.27054	-1.27054	SLV 7	-0.66512	-0.66512
907	SLU 51	-0.96587	-0.96587	SLV 7	-0.53213	-0.53213
908	SLU 51	-1.21572	-1.21572	SLV 11	-0.64599	-0.64599
909	SLU 52	-1.05527	-1.05527	SLV 11	-0.57742	-0.57742
910	SLU 51	-1.33882	-1.33882	SLV 11	-0.71947	-0.71947
911	SLU 51	-1.33656	-1.33656	SLV 11	-0.71798	-0.71798
912	SLU 51	-1.31027	-1.31027	SLU 2	-0.72651	-0.72651
913	SLU 51	-0.97968	-0.97968	SLV 11	-0.52861	-0.52861
914	SLU 51	-1.33676	-1.33676	SLV 11	-0.71904	-0.71904
915	SLU 51	-1.33732	-1.33732	SLV 11	-0.71946	-0.71946
916	SLU 51	-0.96254	-0.96254	SLV 7	-0.53435	-0.53435
917	SLU 51	-1.11439	-1.11439	SLU 2	-0.62366	-0.62366
918	SLU 51	-1.13493	-1.13493	SLU 2	-0.63495	-0.63495
919	SLU 51	-1.22233	-1.22233	SLV 11	-0.6501	-0.6501
920	SLU 51	-1.22934	-1.22934	SLV 11	-0.65284	-0.65284
921	SLU 51	-1.09613	-1.09613	SLU 2	-0.61351	-0.61351
922	SLU 51	-1.15612	-1.15612	SLU 2	-0.64651	-0.64651
923	SLU 51	-1.17633	-1.17633	SLU 2	-0.65748	-0.65748
924	SLU 51	-1.2956	-1.2956	SLU 2	-0.71933	-0.71933
925	SLU 51	-0.95906	-0.95906	SLV 7	-0.53639	-0.53639
926	SLU 51	-1.19404	-1.19404	SLU 2	-0.66705	-0.66705
927	SLU 51	-0.98236	-0.98236	SLV 11	-0.5312	-0.5312
928	SLU 51	-1.20847	-1.20847	SLU 2	-0.67483	-0.67483
929	SLU 52	-1.18874	-1.18874	SLV 11	-0.6373	-0.6373
930	SLU 51	-1.28018	-1.28018	SLU 2	-0.71167	-0.71167
931	SLU 51	-1.22003	-1.22003	SLU 2	-0.681	-0.681
932	SLU 51	-0.95609	-0.95609	SLV 7	-0.53868	-0.53868
933	SLU 51	-1.30325	-1.30325	SLV 7	-0.69244	-0.69244
934	SLU 51	-1.23008	-1.23008	SLU 2	-0.6863	-0.6863
935	SLU 51	-0.95387	-0.95387	SLV 7	-0.54133	-0.54133
936	SLU 51	-1.24028	-1.24028	SLU 2	-0.69157	-0.69157
937	SLU 51	-0.95212	-0.95212	SLU 2	-0.54343	-0.54343
938	SLU 51	-1.26522	-1.26522	SLU 2	-0.70419	-0.70419
939	SLU 51	-1.25186	-1.25186	SLU 2	-0.69746	-0.69746
940	SLU 51	-0.95022	-0.95022	SLU 2	-0.54404	-0.54404
941	SLU 52	-0.94812	-0.94812	SLU 1	-0.54343	-0.54343
942	SLU 52	-0.94522	-0.94522	SLU 1	-0.54227	-0.54227
943	SLU 51	-1.23646	-1.23646	SLV 11	-0.65712	-0.65712
944	SLU 51	-1.2053	-1.2053	SLV 11	-0.64498	-0.64498
945	SLU 52	-0.94203	-0.94203	SLU 1	-0.54106	-0.54106
946	SLU 51	-1.08123	-1.08123	SLU 2	-0.60509	-0.60509
947	SLU 51	-1.32815	-1.32815	SLV 11	-0.71334	-0.71334
948	SLU 52	-0.93981	-0.93981	SLU 1	-0.54046	-0.54046
949	SLU 51	-0.98508	-0.98508	SLV 11	-0.53432	-0.53432
950	SLU 51	-1.03164	-1.03164	SLU 2	-0.57673	-0.57673
951	SLU 52	-0.94002	-0.94002	SLU 1	-0.54124	-0.54124
952	SLU 52	-0.94387	-0.94387	SLU 1	-0.54401	-0.54401
953	SLU 52	-0.95204	-0.95204	SLU 1	-0.54909	-0.54909
954	SLU 51	-1.24815	-1.24815	SLV 7	-0.66231	-0.66231
955	SLU 51	-1.24241	-1.24241	SLV 7	-0.66062	-0.66062
956	SLU 52	-0.96424	-0.96424	SLU 1	-0.55628	-0.55628
957	SLU 51	-1.25379	-1.25379	SLV 7	-0.66468	-0.66468
958	SLU 51	-1.26273	-1.26273	SLV 7	-0.66766	-0.66766
959	SLU 52	-1.08387	-1.08387	SLV 11	-0.59473	-0.59473
960	SLU 51	-1.25861	-1.25861	SLV 7	-0.66652	-0.66652
961	SLU 50	-0.9799	-0.9799	SLU 4	-0.56503	-0.56503
962	SLU 51	-0.98787	-0.98787	SLV 11	-0.53796	-0.53796
963	SLU 51	-1.03923	-1.03923	SLU 2	-0.58098	-0.58098
964	SLU 50	-0.99776	-0.99776	SLU 4	-0.57449	-0.57449
965	SLU 51	-1.26562	-1.26562	SLV 7	-0.66989	-0.66989
966	SLU 50	-1.01629	-1.01629	SLU 4	-0.5843	-0.5843
967	SLU 51	-1.04685	-1.04685	SLU 2	-0.5853	-0.5853
968	SLU 51	-1.2127	-1.2127	SLV 11	-0.65121	-0.65121
969	SLU 51	-0.99093	-0.99093	SLV 11	-0.5422	-0.5422
970	SLU 51	-1.07192	-1.07192	SLU 2	-0.59969	-0.59969
971	SLU 51	-1.05479	-1.05479	SLU 2	-0.58983	-0.58983
972	SLU 51	-1.06325	-1.06325	SLU 2	-0.59469	-0.59469
973	SLU 52	-1.11179	-1.11179	SLV 11	-0.61026	-0.61026
974	SLU 51	-1.27071	-1.27071	SLV 7	-0.67453	-0.67453
975	SLU 51	-1.33191	-1.33191	SLV 11	-0.72131	-0.72131
976	SLU 51	-1.26751	-1.26751	SLV 7	-0.67341	-0.67341
977	SLU 51	-0.99395	-0.99395	SLV 11	-0.54643	-0.54643
978	SLU 51	-1.22026	-1.22026	SLV 11	-0.65633	-0.65633
979	SLU 51	-1.27412	-1.27412	SLV 7	-0.67735	-0.67735
980	SLU 51	-1.20043	-1.20043	SLV 11	-0.64878	-0.64878
981	SLU 52	-1.17542	-1.17542	SLV 11	-0.63886	-0.63886
982	SLU 51	-1.27781	-1.27781	SLV 7	-0.68107	-0.68107
983	SLU 51	-1.22765	-1.22765	SLV 11	-0.66064	-0.66064
984	SLU 51	-1.35164	-1.35164	SLV 11	-0.74097	-0.74097
985	SLU 51	-1.33877	-1.33877	SLU 2	-0.73933	-0.73933
986	SLU 51	-1.35081	-1.35081	SLV 11	-0.73919	-0.73919
987	SLU 51	-1.2822	-1.2822	SLV 7	-0.6855	-0.6855
988	SLU 52	-1.13831	-1.13831	SLV 11	-0.62446	-0.62446
989	SLU 51	-1.35281	-1.35281	SLV 7	-0.74397	-0.74397
990	SLU 51	-1.34128	-1.34128	SLU 2	-0.74015	-0.74015
991	SLU 51	-1.33633	-1.33633	SLU 2	-0.73856	-0.73856
992	SLU 51	-1.23465	-1.23465	SLV 11	-0.66475	-0.66475

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
993	SLU 50	-0.98076	-0.98076	SLV 15	-0.52606	-0.52606
994	SLU 51	-1.28764	-1.28764	SLV 7	-0.69043	-0.69043
995	SLU 51	-1.34981	-1.34981	SLV 11	-0.73819	-0.73819
996	SLU 52	-1.15924	-1.15924	SLV 11	-0.63494	-0.63494
997	SLU 51	-1.24098	-1.24098	SLV 11	-0.66832	-0.66832
998	SLU 50	-1.00509	-1.00509	SLV 15	-0.54736	-0.54736
999	SLU 52	-1.18682	-1.18682	SLV 11	-0.64697	-0.64697
1000	SLU 51	-1.33282	-1.33282	SLU 2	-0.73724	-0.73724
1001	SLU 51	-1.29419	-1.29419	SLV 7	-0.69702	-0.69702
1002	SLU 51	-1.35495	-1.35495	SLU 2	-0.7472	-0.7472
1003	SLU 51	-1.34488	-1.34488	SLU 2	-0.74158	-0.74158
1004	SLU 51	-1.34835	-1.34835	SLV 11	-0.738	-0.738
1005	SLU 51	-1.20984	-1.20984	SLV 11	-0.65686	-0.65686
1006	SLU 51	-1.24675	-1.24675	SLV 7	-0.67108	-0.67108
1007	SLU 51	-1.26325	-1.26325	SLV 7	-0.67702	-0.67702
1008	SLU 51	-1.30923	-1.30923	SLV 11	-0.70902	-0.70902
1009	SLU 51	-1.25203	-1.25203	SLV 7	-0.67373	-0.67373
1010	SLU 51	-1.26045	-1.26045	SLV 7	-0.67672	-0.67672
1011	SLU 51	-1.30127	-1.30127	SLV 11	-0.70379	-0.70379
1012	SLU 50	-1.03215	-1.03215	SLV 15	-0.5705	-0.5705
1013	SLU 51	-1.25656	-1.25656	SLV 7	-0.67572	-0.67572
1014	SLU 51	-1.01267	-1.01267	SLU 2	-0.56571	-0.56571
1015	SLU 51	-1.00625	-1.00625	SLU 2	-0.56201	-0.56201
1016	SLU 51	-1.02073	-1.02073	SLU 2	-0.57026	-0.57026
1017	SLU 51	-1.31832	-1.31832	SLV 11	-0.71838	-0.71838
1018	SLU 51	-1.21849	-1.21849	SLV 11	-0.66326	-0.66326
1019	SLU 51	-1.32734	-1.32734	SLU 2	-0.73488	-0.73488
1020	SLU 51	-0.98122	-0.98122	SLV 7	-0.54476	-0.54476
1021	SLU 51	-1.34674	-1.34674	SLV 11	-0.73963	-0.73963
1022	SLU 51	-0.98266	-0.98266	SLV 11	-0.54401	-0.54401
1023	SLU 51	-1.35681	-1.35681	SLU 2	-0.74714	-0.74714
1024	SLU 51	-1.19782	-1.19782	SLV 11	-0.65573	-0.65573
1025	SLU 51	-0.98436	-0.98436	SLV 11	-0.54405	-0.54405
1026	SLU 51	-1.3584	-1.3584	SLU 2	-0.74817	-0.74817
1027	SLU 51	-1.35429	-1.35429	SLU 2	-0.74587	-0.74587
1028	SLU 51	-0.97982	-0.97982	SLV 7	-0.54647	-0.54647
1029	SLU 51	-1.00191	-1.00191	SLV 11	-0.55829	-0.55829
1030	SLU 51	-1.02952	-1.02952	SLU 2	-0.57516	-0.57516
1031	SLU 52	-1.1733	-1.1733	SLV 11	-0.6462	-0.6462
1032	SLU 51	-0.98648	-0.98648	SLV 11	-0.54488	-0.54488
1033	SLU 51	-1.22652	-1.22652	SLV 11	-0.66848	-0.66848
1034	SLU 52	-1.06013	-1.06013	SLV 15	-0.59389	-0.59389
1035	SLU 51	-0.97767	-0.97767	SLV 7	-0.54811	-0.54811
1036	SLU 51	-1.35939	-1.35939	SLU 2	-0.74919	-0.74919
1037	SLU 51	-1.3512	-1.3512	SLU 2	-0.74453	-0.74453
1038	SLU 51	-0.98884	-0.98884	SLV 11	-0.54627	-0.54627
1039	SLU 51	-1.23377	-1.23377	SLV 11	-0.67293	-0.67293
1040	SLU 51	-1.03797	-1.03797	SLU 2	-0.57985	-0.57985
1041	SLU 51	-0.99131	-0.99131	SLV 11	-0.54813	-0.54813
1042	SLU 51	-0.97468	-0.97468	SLV 7	-0.54973	-0.54973
1043	SLU 51	-1.26389	-1.26389	SLV 7	-0.68445	-0.68445
1044	SLU 51	-0.99373	-0.99373	SLV 11	-0.55038	-0.55038
1045	SLU 51	-1.3264	-1.3264	SLV 11	-0.72889	-0.72889
1046	SLU 51	-1.20793	-1.20793	SLV 11	-0.66378	-0.66378
1047	SLU 51	-1.24031	-1.24031	SLV 11	-0.67679	-0.67679
1048	SLU 51	-1.26748	-1.26748	SLV 7	-0.68718	-0.68718
1049	SLU 51	-1.33635	-1.33635	SLV 11	-0.73683	-0.73683
1050	SLU 51	-1.12128	-1.12128	SLU 2	-0.62705	-0.62705
1051	SLU 51	-1.00053	-1.00053	SLV 11	-0.55786	-0.55786
1052	SLU 51	-1.10357	-1.10357	SLU 2	-0.61719	-0.61719
1053	SLU 51	-1.04593	-1.04593	SLU 2	-0.58428	-0.58428
1054	SLU 51	-0.99607	-0.99607	SLV 11	-0.55291	-0.55291
1055	SLU 51	-1.14143	-1.14143	SLU 2	-0.63814	-0.63814
1056	SLU 51	-0.97091	-0.97091	SLU 2	-0.55	-0.55
1057	SLU 52	-1.18581	-1.18581	SLV 11	-0.65529	-0.65529
1058	SLU 51	-1.3387	-1.3387	SLV 11	-0.73902	-0.73902
1059	SLU 51	-1.16242	-1.16242	SLU 2	-0.64961	-0.64961
1060	SLU 52	-1.08924	-1.08924	SLV 11	-0.61269	-0.61269
1061	SLU 51	-1.34012	-1.34012	SLV 11	-0.74045	-0.74045
1062	SLU 51	-1.27091	-1.27091	SLV 7	-0.68999	-0.68999
1063	SLU 51	-1.18255	-1.18255	SLU 2	-0.66055	-0.66055
1064	SLU 51	-0.99847	-0.99847	SLV 11	-0.55572	-0.55572
1065	SLU 51	-1.08905	-1.08905	SLU 2	-0.60899	-0.60899
1066	SLU 51	-1.2002	-1.2002	SLU 2	-0.67011	-0.67011
1067	SLU 51	-1.28589	-1.28589	SLU 2	-0.71461	-0.71461
1068	SLU 51	-1.30223	-1.30223	SLU 2	-0.72276	-0.72276
1069	SLU 51	-1.24611	-1.24611	SLV 11	-0.68014	-0.68014
1070	SLU 51	-0.96692	-0.96692	SLU 2	-0.54885	-0.54885
1071	SLU 51	-1.34207	-1.34207	SLV 11	-0.74205	-0.74205
1072	SLU 51	-1.21453	-1.21453	SLU 2	-0.67785	-0.67785
1073	SLU 52	-1.15983	-1.15983	SLV 11	-0.64499	-0.64499
1074	SLU 51	-1.0536	-1.0536	SLU 2	-0.58861	-0.58861
1075	SLU 51	-1.27066	-1.27066	SLU 2	-0.70696	-0.70696
1076	SLU 51	-1.22591	-1.22591	SLU 2	-0.68394	-0.68394
1077	SLU 51	-1.25722	-1.25722	SLU 2	-0.70016	-0.70016
1078	SLU 51	-1.24573	-1.24573	SLU 2	-0.6943	-0.6943
1079	SLU 51	-0.96348	-0.96348	SLU 2	-0.54803	-0.54803
1080	SLU 51	-1.23575	-1.23575	SLU 2	-0.68913	-0.68913
1081	SLU 51	-1.33273	-1.33273	SLV 11	-0.73546	-0.73546
1082	SLU 51	-0.96093	-0.96093	SLU 2	-0.54778	-0.54778
1083	SLU 51	-1.31921	-1.31921	SLU 2	-0.73113	-0.73113
1084	SLU 51	-0.95899	-0.95899	SLU 2	-0.54804	-0.54804
1085	SLU 52	-0.95721	-0.95721	SLU 1	-0.54808	-0.54808
1086	SLU 51	-1.27467	-1.27467	SLV 7	-0.6937	-0.6937
1087	SLU 52	-0.95508	-0.95508	SLU 1	-0.5472	-0.5472
1088	SLU 52	-0.95202	-0.95202	SLU 1	-0.54589	-0.54589
1089	SLU 52	-0.94866	-0.94866	SLU 1	-0.54452	-0.54452
1090	SLU 51	-1.06118	-1.06118	SLU 2	-0.59294	-0.59294
1091	SLU 51	-1.07821	-1.07821	SLU 2	-0.60277	-0.60277

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
1092	SLU 52	-0.94633	-0.94633	SLU 1	-0.54379	-0.54379
1093	SLU 52	-0.94659	-0.94659	SLU 1	-0.54453	-0.54453
1094	SLU 52	-0.95071	-0.95071	SLU 1	-0.54737	-0.54737
1095	SLU 51	-1.34586	-1.34586	SLV 11	-0.74536	-0.74536
1096	SLU 52	-0.95944	-0.95944	SLU 1	-0.55268	-0.55268
1097	SLU 51	-1.06923	-1.06923	SLU 2	-0.59758	-0.59758
1098	SLU 51	-1.25121	-1.25121	SLV 7	-0.68327	-0.68327
1099	SLU 52	-0.97241	-0.97241	SLU 1	-0.5602	-0.5602
1100	SLU 51	-1.25979	-1.25979	SLV 7	-0.68644	-0.68644
1101	SLU 50	-0.98876	-0.98876	SLU 4	-0.56931	-0.56931
1102	SLU 51	-1.27923	-1.27923	SLV 7	-0.6982	-0.6982
1103	SLU 50	-1.00758	-1.00758	SLU 4	-0.5792	-0.5792
1104	SLU 51	-1.21738	-1.21738	SLV 11	-0.67118	-0.67118
1105	SLU 51	-1.25568	-1.25568	SLV 7	-0.68596	-0.68596
1106	SLU 50	-1.02713	-1.02713	SLU 4	-0.58947	-0.58947
1107	SLU 52	-1.19664	-1.19664	SLV 11	-0.66308	-0.66308
1108	SLU 52	-1.11831	-1.11831	SLV 11	-0.62906	-0.62906
1109	SLU 51	-1.28489	-1.28489	SLV 7	-0.70358	-0.70358
1110	SLU 51	-1.22631	-1.22631	SLV 11	-0.67703	-0.67703
1111	SLU 52	-1.17279	-1.17279	SLV 11	-0.65479	-0.65479
1112	SLU 51	-1.29178	-1.29178	SLV 11	-0.70997	-0.70997
1113	SLU 51	-1.34588	-1.34588	SLU 2	-0.74309	-0.74309
1114	SLU 51	-1.34833	-1.34833	SLU 2	-0.74391	-0.74391
1115	SLU 51	-1.36131	-1.36131	SLU 2	-0.75244	-0.75244
1116	SLU 51	-1.36255	-1.36255	SLU 2	-0.75245	-0.75245
1117	SLU 51	-1.36024	-1.36024	SLU 2	-0.75256	-0.75256
1118	SLU 51	-1.34355	-1.34355	SLU 2	-0.74235	-0.74235
1119	SLU 52	-1.14787	-1.14787	SLV 11	-0.64511	-0.64511
1120	SLU 51	-1.29966	-1.29966	SLV 11	-0.71695	-0.71695
1121	SLU 51	-1.3589	-1.3589	SLU 2	-0.75256	-0.75256
1122	SLU 51	-1.23397	-1.23397	SLV 11	-0.6818	-0.6818
1123	SLU 51	-1.35151	-1.35151	SLU 2	-0.74519	-0.74519
1124	SLU 51	-1.36431	-1.36431	SLU 2	-0.75283	-0.75283
1125	SLU 51	-1.20663	-1.20663	SLV 11	-0.67096	-0.67096
1126	SLU 51	-1.34042	-1.34042	SLU 2	-0.74119	-0.74119
1127	SLU 51	-1.30834	-1.30834	SLV 11	-0.72429	-0.72429
1128	SLU 51	-1.35694	-1.35694	SLU 2	-0.75226	-0.75226
1129	SLU 51	-1.24059	-1.24059	SLV 11	-0.68592	-0.68592
1130	SLU 51	-1.35482	-1.35482	SLU 2	-0.74668	-0.74668
1131	SLU 51	-1.3662	-1.3662	SLU 2	-0.75344	-0.75344
1132	SLU 52	-1.18636	-1.18636	SLV 11	-0.66406	-0.66406
1133	SLU 51	-1.33588	-1.33588	SLU 2	-0.73925	-0.73925
1134	SLU 50	-0.99697	-0.99697	SLV 15	-0.53754	-0.53754
1135	SLU 51	-1.35466	-1.35466	SLU 2	-0.75177	-0.75177
1136	SLU 51	-1.24633	-1.24633	SLV 11	-0.68968	-0.68968
1137	SLU 52	-1.19631	-1.19631	SLV 11	-0.66981	-0.66981
1138	SLU 50	-1.01992	-1.01992	SLV 15	-0.55859	-0.55859
1139	SLU 51	-1.31772	-1.31772	SLV 11	-0.73397	-0.73397
1140	SLU 51	-1.33082	-1.33082	SLU 2	-0.73693	-0.73693
1141	SLU 51	-1.25134	-1.25134	SLV 11	-0.69354	-0.69354
1142	SLU 50	-1.04505	-1.04505	SLV 15	-0.58105	-0.58105
1143	SLU 51	-1.35285	-1.35285	SLU 2	-0.7514	-0.7514
1144	SLU 51	-1.02202	-1.02202	SLU 2	-0.57053	-0.57053
1145	SLU 51	-1.21687	-1.21687	SLV 11	-0.68056	-0.68056
1146	SLU 51	-1.02966	-1.02966	SLU 2	-0.5748	-0.5748
1147	SLU 51	-1.26284	-1.26284	SLV 7	-0.69852	-0.69852
1148	SLU 51	-1.26583	-1.26583	SLV 7	-0.70005	-0.70005
1149	SLU 51	-1.01592	-1.01592	SLU 2	-0.56709	-0.56709
1150	SLU 52	-1.20484	-1.20484	SLV 11	-0.67607	-0.67607
1151	SLU 51	-0.99307	-0.99307	SLU 2	-0.55745	-0.55745
1152	SLU 51	-0.9918	-0.9918	SLU 2	-0.55782	-0.55782
1153	SLU 51	-1.26896	-1.26896	SLV 7	-0.70244	-0.70244
1154	SLU 51	-0.99465	-0.99465	SLU 2	-0.55748	-0.55748
1155	SLU 51	-1.0381	-1.0381	SLU 2	-0.57947	-0.57947
1156	SLU 51	-1.01164	-1.01164	SLU 2	-0.56465	-0.56465
1157	SLU 51	-0.99672	-0.99672	SLU 2	-0.55798	-0.55798
1158	SLU 51	-1.25972	-1.25972	SLV 7	-0.69865	-0.69865
1159	SLU 51	-1.22713	-1.22713	SLV 11	-0.68648	-0.68648
1160	SLU 51	-0.99066	-0.99066	SLU 2	-0.55847	-0.55847
1161	SLU 51	-1.27257	-1.27257	SLV 7	-0.70605	-0.70605
1162	SLU 52	-1.07122	-1.07122	SLV 15	-0.60367	-0.60367
1163	SLU 51	-0.99906	-0.99906	SLU 2	-0.55876	-0.55876
1164	SLU 51	-1.36974	-1.36974	SLU 2	-0.75421	-0.75421
1165	SLU 52	-1.1721	-1.1721	SLV 11	-0.66364	-0.66364
1166	SLU 51	-1.04647	-1.04647	SLU 2	-0.58409	-0.58409
1167	SLU 51	-1.37186	-1.37186	SLU 2	-0.75561	-0.75561
1168	SLU 51	-1.00145	-1.00145	SLU 2	-0.55965	-0.55965
1169	SLU 51	-1.36686	-1.36686	SLU 2	-0.75265	-0.75265
1170	SLU 51	-1.00917	-1.00917	SLU 2	-0.56324	-0.56324
1171	SLU 51	-1.21163	-1.21163	SLV 11	-0.68155	-0.68155
1172	SLU 51	-1.25598	-1.25598	SLV 11	-0.69897	-0.69897
1173	SLU 51	-1.23513	-1.23513	SLV 11	-0.69129	-0.69129
1174	SLU 51	-1.0036	-1.0036	SLU 2	-0.56052	-0.56052
1175	SLU 51	-1.27712	-1.27712	SLV 11	-0.71057	-0.71057
1176	SLU 52	-1.19724	-1.19724	SLV 11	-0.6758	-0.6758
1177	SLU 51	-1.00544	-1.00544	SLU 2	-0.56133	-0.56133
1178	SLU 51	-1.05441	-1.05441	SLU 2	-0.58849	-0.58849
1179	SLU 51	-1.00732	-1.00732	SLU 2	-0.56225	-0.56225
1180	SLU 51	-0.98863	-0.98863	SLU 2	-0.55866	-0.55866
1181	SLU 51	-1.06168	-1.06168	SLU 2	-0.59257	-0.59257
1182	SLU 51	-1.37329	-1.37329	SLU 2	-0.7569	-0.7569
1183	SLU 51	-1.36373	-1.36373	SLU 2	-0.75116	-0.75116
1184	SLU 52	-1.09887	-1.09887	SLV 15	-0.62679	-0.62679
1185	SLU 51	-1.24176	-1.24176	SLV 11	-0.69554	-0.69554
1186	SLU 51	-1.28297	-1.28297	SLV 11	-0.7161	-0.7161
1187	SLU 51	-1.06868	-1.06868	SLU 2	-0.59658	-0.59658
1188	SLU 51	-0.98506	-0.98506	SLU 2	-0.5579	-0.5579
1189	SLU 51	-1.076	-1.076	SLU 2	-0.60083	-0.60083
1190	SLU 51	-1.09581	-1.09581	SLU 2	-0.61226	-0.61226

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
1191	SLU 51	-1.08474	-1.08474	SLU 2	-0.60591	-0.60591
1192	SLU 51	-1.1102	-1.1102	SLU 2	-0.6204	-0.6204
1193	SLU 51	-1.32815	-1.32815	SLU 2	-0.74258	-0.74258
1194	SLU 51	-1.12799	-1.12799	SLU 2	-0.6303	-0.6303
1195	SLU 52	-1.20485	-1.20485	SLV 11	-0.68183	-0.68183
1196	SLU 52	-1.19047	-1.19047	SLV 11	-0.67564	-0.67564
1197	SLU 51	-1.29026	-1.29026	SLV 11	-0.72264	-0.72264
1198	SLU 51	-1.24734	-1.24734	SLV 11	-0.69936	-0.69936
1199	SLU 51	-1.14853	-1.14853	SLU 2	-0.64161	-0.64161
1200	SLU 51	-1.17032	-1.17032	SLU 2	-0.65351	-0.65351
1201	SLU 51	-1.2922	-1.2922	SLU 2	-0.71784	-0.71784
1202	SLU 51	-1.30891	-1.30891	SLU 2	-0.72623	-0.72623
1203	SLU 51	-0.98043	-0.98043	SLU 2	-0.55645	-0.55645
1204	SLU 51	-1.33698	-1.33698	SLU 2	-0.74666	-0.74666
1205	SLU 51	-1.34167	-1.34167	SLU 2	-0.74857	-0.74857
1206	SLU 51	-1.19129	-1.19129	SLU 2	-0.66492	-0.66492
1207	SLU 51	-1.27662	-1.27662	SLU 2	-0.70997	-0.70997
1208	SLU 51	-1.26298	-1.26298	SLU 2	-0.70305	-0.70305
1209	SLU 51	-1.34419	-1.34419	SLU 2	-0.7494	-0.7494
1210	SLU 51	-1.20935	-1.20935	SLU 2	-0.67471	-0.67471
1211	SLU 52	-1.12654	-1.12654	SLV 11	-0.64774	-0.64774
1212	SLU 51	-1.2518	-1.2518	SLV 11	-0.70228	-0.70228
1213	SLU 51	-1.346	-1.346	SLU 2	-0.7499	-0.7499
1214	SLU 51	-1.25172	-1.25172	SLU 2	-0.6973	-0.6973
1215	SLU 51	-1.29896	-1.29896	SLU 2	-0.72852	-0.72852
1216	SLU 51	-1.22333	-1.22333	SLU 2	-0.68227	-0.68227
1217	SLU 51	-1.3249	-1.3249	SLU 2	-0.7342	-0.7342
1218	SLU 51	-0.97553	-0.97553	SLU 2	-0.55476	-0.55476
1219	SLU 51	-1.24246	-1.24246	SLU 2	-0.69249	-0.69249
1220	SLU 51	-1.3487	-1.3487	SLU 2	-0.7509	-0.7509
1221	SLU 51	-1.23374	-1.23374	SLU 2	-0.68787	-0.68787
1222	SLU 52	-0.96689	-0.96689	SLU 1	-0.55624	-0.55624
1223	SLU 52	-0.9576	-0.9576	SLU 1	-0.55071	-0.55071
1224	SLU 51	-1.36221	-1.36221	SLU 2	-0.75059	-0.75059
1225	SLU 52	-0.95341	-0.95341	SLU 1	-0.5479	-0.5479
1226	SLU 51	-1.37539	-1.37539	SLU 2	-0.75868	-0.75868
1227	SLU 52	-0.98084	-0.98084	SLU 1	-0.56422	-0.56422
1228	SLU 51	-0.97151	-0.97151	SLU 2	-0.55351	-0.55351
1229	SLU 52	-0.95356	-0.95356	SLU 1	-0.54745	-0.54745
1230	SLU 52	-0.95666	-0.95666	SLU 1	-0.54864	-0.54864
1231	SLU 50	-0.99852	-0.99852	SLU 4	-0.57401	-0.57401
1232	SLU 52	-0.96079	-0.96079	SLU 1	-0.5505	-0.5505
1233	SLU 51	-0.96884	-0.96884	SLU 2	-0.55307	-0.55307
1234	SLU 52	-0.96422	-0.96422	SLU 1	-0.55209	-0.55209
1235	SLU 52	-0.96619	-0.96619	SLU 1	-0.55298	-0.55298
1236	SLU 51	-0.96721	-0.96721	SLU 2	-0.55336	-0.55336
1237	SLU 50	-1.01889	-1.01889	SLU 4	-0.58464	-0.58464
1238	SLU 50	-1.04007	-1.04007	SLU 4	-0.59569	-0.59569
1239	SLU 51	-1.21316	-1.21316	SLV 11	-0.68794	-0.68794
1240	SLU 51	-1.35604	-1.35604	SLU 2	-0.74802	-0.74802
1241	SLU 51	-1.35904	-1.35904	SLU 2	-0.74923	-0.74923
1242	SLU 51	-1.37463	-1.37463	SLU 2	-0.75896	-0.75896
1243	SLU 51	-1.35376	-1.35376	SLU 2	-0.74726	-0.74726
1244	SLU 51	-1.25477	-1.25477	SLV 11	-0.70472	-0.70472
1245	SLU 51	-1.37338	-1.37338	SLU 2	-0.75901	-0.75901
1246	SLU 51	-1.35328	-1.35328	SLU 2	-0.75292	-0.75292
1247	SLU 51	-1.3085	-1.3085	SLU 2	-0.73332	-0.73332
1248	SLU 51	-1.37236	-1.37236	SLU 2	-0.75922	-0.75922
1249	SLU 51	-1.35184	-1.35184	SLU 2	-0.74671	-0.74671
1250	SLU 51	-1.37143	-1.37143	SLU 2	-0.75951	-0.75951
1251	SLU 51	-1.22139	-1.22139	SLV 11	-0.69242	-0.69242
1252	SLU 51	-1.34925	-1.34925	SLU 2	-0.74581	-0.74581
1253	SLU 51	-1.37002	-1.37002	SLU 2	-0.75956	-0.75956
1254	SLU 51	-1.34463	-1.34463	SLU 2	-0.74381	-0.74381
1255	SLU 51	-1.33697	-1.33697	SLU 2	-0.74017	-0.74017
1256	SLU 51	-1.22986	-1.22986	SLV 11	-0.69683	-0.69683
1257	SLU 51	-1.31745	-1.31745	SLU 2	-0.73785	-0.73785
1258	SLU 52	-1.15318	-1.15318	SLV 11	-0.66321	-0.66321
1259	SLU 51	-1.36749	-1.36749	SLU 2	-0.75899	-0.75899
1260	SLU 51	-1.3638	-1.3638	SLU 2	-0.75774	-0.75774
1261	SLU 51	-1.3592	-1.3592	SLU 2	-0.75584	-0.75584
1262	SLU 51	-1.23734	-1.23734	SLV 11	-0.70122	-0.70122
1263	SLU 52	-1.20386	-1.20386	SLV 11	-0.6874	-0.6874
1264	SLU 51	-1.26313	-1.26313	SLV 11	-0.71153	-0.71153
1265	SLU 51	-1.26534	-1.26534	SLV 11	-0.71273	-0.71273
1266	SLU 51	-1.3246	-1.3246	SLU 2	-0.74154	-0.74154
1267	SLU 51	-1.26793	-1.26793	SLU 2	-0.7144	-0.7144
1268	SLU 51	-1.26102	-1.26102	SLV 11	-0.71145	-0.71145
1269	SLU 51	-1.24386	-1.24386	SLV 11	-0.70556	-0.70556
1270	SLU 51	-1.27121	-1.27121	SLU 2	-0.7157	-0.7157
1271	SLU 51	-1.25877	-1.25877	SLV 11	-0.71188	-0.71188
1272	SLU 52	-1.17686	-1.17686	SLV 11	-0.67823	-0.67823
1273	SLU 50	-1.0168	-1.0168	SLV 15	-0.54842	-0.54842
1274	SLU 51	-1.2495	-1.2495	SLV 11	-0.70981	-0.70981
1275	SLU 51	-1.27556	-1.27556	SLU 2	-0.71768	-0.71768
1276	SLU 52	-1.21464	-1.21464	SLV 11	-0.69606	-0.69606
1277	SLU 50	-1.03769	-1.03769	SLV 15	-0.56891	-0.56891
1278	SLU 51	-1.25676	-1.25676	SLU 2	-0.71221	-0.71221
1279	SLU 51	-1.2538	-1.2538	SLU 2	-0.71144	-0.71144
1280	SLU 51	-1.03112	-1.03112	SLU 2	-0.57523	-0.57523
1281	SLU 51	-1.03881	-1.03881	SLU 2	-0.57948	-0.57948
1282	SLU 52	-1.19232	-1.19232	SLV 11	-0.68669	-0.68669
1283	SLU 51	-1.02491	-1.02491	SLU 2	-0.57179	-0.57179
1284	SLU 50	-1.06043	-1.06043	SLV 15	-0.59057	-0.59057
1285	SLU 51	-1.00361	-1.00361	SLU 2	-0.56403	-0.56403
1286	SLU 51	-1.00266	-1.00266	SLU 2	-0.56478	-0.56478
1287	SLU 51	-1.04743	-1.04743	SLU 2	-0.58421	-0.58421
1288	SLU 51	-1.02061	-1.02061	SLU 2	-0.56941	-0.56941
1289	SLU 51	-1.00511	-1.00511	SLU 2	-0.56395	-0.56395

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
1290	SLU 51	-1.28147	-1.28147	SLU 2	-0.72055	-0.72055
1291	SLU 51	-1.05596	-1.05596	SLU 2	-0.58888	-0.58888
1292	SLU 51	-1.00723	-1.00723	SLU 2	-0.5644	-0.5644
1293	SLU 51	-1.01806	-1.01806	SLU 2	-0.56804	-0.56804
1294	SLU 51	-1.00979	-1.00979	SLU 2	-0.56517	-0.56517
1295	SLU 51	-1.01227	-1.01227	SLU 2	-0.56597	-0.56597
1296	SLU 51	-1.01663	-1.01663	SLU 2	-0.56736	-0.56736
1297	SLU 51	-1.0142	-1.0142	SLU 2	-0.56657	-0.56657
1298	SLU 51	-1.01547	-1.01547	SLU 2	-0.56693	-0.56693
1299	SLU 52	-1.08459	-1.08459	SLV 15	-0.61264	-0.61264
1300	SLU 51	-1.06384	-1.06384	SLU 2	-0.59319	-0.59319
1301	SLU 51	-1.23319	-1.23319	SLU 2	-0.70482	-0.70482
1302	SLU 51	-1.07057	-1.07057	SLU 2	-0.59693	-0.59693
1303	SLU 51	-1.00233	-1.00233	SLU 2	-0.56617	-0.56617
1304	SLU 51	-1.28938	-1.28938	SLU 2	-0.72453	-0.72453
1305	SLU 51	-1.38387	-1.38387	SLU 2	-0.76192	-0.76192
1306	SLU 51	-1.22545	-1.22545	SLU 2	-0.70205	-0.70205
1307	SLU 51	-1.3861	-1.3861	SLU 2	-0.76411	-0.76411
1308	SLU 51	-1.38007	-1.38007	SLU 2	-0.7598	-0.7598
1309	SLU 51	-1.38631	-1.38631	SLU 2	-0.76356	-0.76356
1310	SLU 52	-1.20488	-1.20488	SLU 1	-0.69303	-0.69303
1311	SLU 51	-1.07663	-1.07663	SLU 2	-0.60041	-0.60041
1312	SLU 51	-1.24002	-1.24002	SLU 2	-0.70739	-0.70739
1313	SLU 52	-1.11052	-1.11052	SLV 15	-0.63545	-0.63545
1314	SLU 51	-1.29917	-1.29917	SLU 2	-0.72953	-0.72953
1315	SLU 51	-1.08286	-1.08286	SLU 2	-0.60407	-0.60407
1316	SLU 51	-1.37549	-1.37549	SLU 2	-0.75746	-0.75746
1317	SLU 51	-1.31946	-1.31946	SLU 2	-0.73973	-0.73973
1318	SLU 51	-1.31051	-1.31051	SLU 2	-0.7353	-0.7353
1319	SLU 51	-1.38639	-1.38639	SLU 2	-0.76509	-0.76509
1320	SLU 51	-1.09078	-1.09078	SLU 2	-0.60873	-0.60873
1321	SLU 51	-1.24633	-1.24633	SLU 2	-0.70979	-0.70979
1322	SLU 51	-1.00096	-1.00096	SLU 2	-0.56685	-0.56685
1323	SLU 51	-1.32773	-1.32773	SLU 2	-0.74394	-0.74394
1324	SLU 51	-1.10143	-1.10143	SLU 2	-0.61488	-0.61488
1325	SLU 51	-1.37125	-1.37125	SLU 2	-0.75543	-0.75543
1326	SLU 52	-1.13665	-1.13665	SLV 15	-0.65769	-0.65769
1327	SLU 51	-1.38562	-1.38562	SLU 2	-0.76553	-0.76553
1328	SLU 51	-1.11565	-1.11565	SLU 2	-0.62294	-0.62294
1329	SLU 51	-1.36703	-1.36703	SLU 2	-0.7535	-0.7535
1330	SLU 52	-1.21588	-1.21588	SLU 1	-0.69845	-0.69845
1331	SLU 51	-1.3637	-1.3637	SLU 2	-0.75212	-0.75212
1332	SLU 51	-1.38462	-1.38462	SLU 2	-0.76585	-0.76585
1333	SLU 51	-1.13366	-1.13366	SLU 2	-0.63297	-0.63297
1334	SLU 51	-1.36159	-1.36159	SLU 2	-0.75142	-0.75142
1335	SLU 51	-1.31631	-1.31631	SLU 2	-0.73004	-0.73004
1336	SLU 51	-1.33539	-1.33539	SLU 2	-0.74777	-0.74777
1337	SLU 51	-1.2986	-1.2986	SLU 2	-0.72108	-0.72108
1338	SLU 51	-1.38404	-1.38404	SLU 2	-0.76642	-0.76642
1339	SLU 51	-1.33312	-1.33312	SLU 2	-0.7385	-0.7385
1340	SLU 51	-1.36031	-1.36031	SLU 2	-0.7512	-0.7512
1341	SLU 51	-0.99634	-0.99634	SLU 2	-0.56554	-0.56554
1342	SLU 51	-1.15509	-1.15509	SLU 2	-0.64477	-0.64477
1343	SLU 51	-1.26411	-1.26411	SLU 2	-0.71406	-0.71406
1344	SLU 51	-1.28228	-1.28228	SLU 2	-0.71281	-0.71281
1345	SLU 51	-1.35868	-1.35868	SLU 2	-0.75078	-0.75078
1346	SLU 51	-1.26288	-1.26288	SLU 2	-0.71413	-0.71413
1347	SLU 51	-1.38362	-1.38362	SLU 2	-0.76709	-0.76709
1348	SLU 51	-1.26551	-1.26551	SLU 2	-0.71419	-0.71419
1349	SLU 51	-1.17847	-1.17847	SLU 2	-0.65753	-0.65753
1350	SLU 51	-1.35478	-1.35478	SLU 2	-0.74914	-0.74914
1351	SLU 51	-1.26149	-1.26149	SLU 2	-0.71419	-0.71419
1352	SLU 51	-1.38255	-1.38255	SLU 2	-0.76741	-0.76741
1353	SLU 52	-1.19644	-1.19644	SLU 1	-0.68944	-0.68944
1354	SLU 51	-1.34694	-1.34694	SLU 2	-0.74538	-0.74538
1355	SLU 51	-1.26831	-1.26831	SLU 2	-0.70569	-0.70569
1356	SLU 51	-1.2014	-1.2014	SLU 2	-0.66998	-0.66998
1357	SLU 51	-1.26742	-1.26742	SLU 2	-0.71469	-0.71469
1358	SLU 51	-1.34499	-1.34499	SLU 2	-0.75233	-0.75233
1359	SLU 51	-1.2205	-1.2205	SLU 2	-0.68033	-0.68033
1360	SLU 51	-1.25971	-1.25971	SLU 2	-0.71408	-0.71408
1361	SLU 51	-1.37964	-1.37964	SLU 2	-0.76672	-0.76672
1362	SLU 51	-1.25727	-1.25727	SLU 2	-0.70003	-0.70003
1363	SLU 50	-1.05403	-1.05403	SLU 4	-0.6024	-0.6024
1364	SLU 50	-1.03087	-1.03087	SLU 4	-0.5904	-0.5904
1365	SLU 51	-1.25702	-1.25702	SLU 2	-0.71353	-0.71353
1366	SLU 51	-1.23203	-1.23203	SLU 2	-0.70528	-0.70528
1367	SLU 51	-0.99017	-0.99017	SLU 2	-0.56324	-0.56324
1368	SLU 51	-1.35601	-1.35601	SLU 2	-0.75645	-0.75645
1369	SLU 50	-1.0084	-1.0084	SLU 4	-0.57875	-0.57875
1370	SLU 51	-1.34956	-1.34956	SLU 2	-0.75423	-0.75423
1371	SLU 52	-0.97364	-0.97364	SLU 1	-0.55942	-0.55942
1372	SLU 52	-0.98876	-0.98876	SLU 1	-0.56794	-0.56794
1373	SLU 51	-1.25274	-1.25274	SLU 2	-0.71236	-0.71236
1374	SLU 51	-1.35287	-1.35287	SLU 2	-0.75517	-0.75517
1375	SLU 52	-1.16241	-1.16241	SLU 1	-0.67321	-0.67321
1376	SLU 52	-0.96379	-0.96379	SLU 1	-0.55366	-0.55366
1377	SLU 51	-1.36129	-1.36129	SLU 2	-0.75885	-0.75885
1378	SLU 51	-1.23374	-1.23374	SLU 2	-0.68751	-0.68751
1379	SLU 51	-1.24904	-1.24904	SLU 2	-0.69575	-0.69575
1380	SLU 52	-0.95967	-0.95967	SLU 1	-0.55095	-0.55095
1381	SLU 51	-1.35139	-1.35139	SLU 2	-0.75477	-0.75477
1382	SLU 51	-1.24214	-1.24214	SLU 2	-0.69207	-0.69207
1383	SLU 51	-1.37461	-1.37461	SLU 2	-0.76483	-0.76483
1384	SLU 52	-0.96054	-0.96054	SLU 1	-0.55092	-0.55092
1385	SLU 51	-1.23696	-1.23696	SLU 2	-0.70712	-0.70712
1386	SLU 52	-0.97046	-0.97046	SLU 1	-0.55552	-0.55552
1387	SLU 52	-0.96497	-0.96497	SLU 1	-0.55287	-0.55287
1388	SLU 51	-1.36806	-1.36806	SLU 2	-0.76198	-0.76198

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
1389	SLU 51	-0.9839	-0.9839	SLU 2	-0.56071	-0.56071
1390	SLU 52	-0.97447	-0.97447	SLU 1	-0.55754	-0.55754
1391	SLU 51	-1.27009	-1.27009	SLU 2	-0.71574	-0.71574
1392	SLU 51	-0.97914	-0.97914	SLU 2	-0.55892	-0.55892
1393	SLU 52	-0.976	-0.976	SLU 1	-0.55831	-0.55831
1394	SLU 51	-0.97647	-0.97647	SLU 2	-0.5583	-0.5583
1395	SLU 52	-0.97592	-0.97592	SLU 1	-0.5582	-0.5582
1396	SLU 52	-1.22558	-1.22558	SLU 1	-0.70319	-0.70319
1397	SLU 51	-1.24277	-1.24277	SLU 2	-0.70931	-0.70931
1398	SLU 52	-1.20689	-1.20689	SLU 1	-0.69459	-0.69459
1399	SLU 51	-1.27397	-1.27397	SLU 2	-0.71754	-0.71754
1400	SLU 51	-1.24806	-1.24806	SLU 2	-0.71129	-0.71129
1401	SLU 51	-1.32196	-1.32196	SLU 2	-0.74169	-0.74169
1402	SLU 51	-1.25202	-1.25202	SLU 2	-0.71277	-0.71277
1403	SLU 52	-1.18966	-1.18966	SLU 1	-0.68672	-0.68672
1404	SLU 51	-1.27984	-1.27984	SLU 2	-0.72046	-0.72046
1405	SLU 51	-1.32853	-1.32853	SLU 2	-0.74512	-0.74512
1406	SLU 51	-1.23337	-1.23337	SLU 2	-0.70654	-0.70654
1407	SLU 52	-1.21783	-1.21783	SLU 1	-0.69996	-0.69996
1408	SLU 51	-1.02838	-1.02838	SLU 2	-0.57355	-0.57355
1409	SLU 51	-1.03277	-1.03277	SLU 2	-0.57591	-0.57591
1410	SLU 51	-1.03913	-1.03913	SLU 2	-0.57937	-0.57937
1411	SLU 51	-1.04718	-1.04718	SLU 2	-0.58377	-0.58377
1412	SLU 51	-1.05619	-1.05619	SLU 2	-0.58868	-0.58868
1413	SLU 51	-1.39631	-1.39631	SLU 2	-0.77009	-0.77009
1414	SLU 51	-1.01217	-1.01217	SLU 2	-0.57147	-0.57147
1415	SLU 51	-1.02619	-1.02619	SLU 2	-0.57245	-0.57245
1416	SLU 51	-1.28836	-1.28836	SLU 2	-0.72482	-0.72482
1417	SLU 51	-1.06527	-1.06527	SLU 2	-0.59359	-0.59359
1418	SLU 51	-1.02547	-1.02547	SLU 2	-0.57225	-0.57225
1419	SLU 51	-1.01318	-1.01318	SLU 2	-0.57041	-0.57041
1420	SLU 50	-1.05859	-1.05859	SLV 15	-0.57859	-0.57859
1421	SLU 50	-1.0396	-1.0396	SLV 15	-0.55788	-0.55788
1422	SLU 51	-1.07327	-1.07327	SLU 2	-0.59789	-0.59789
1423	SLU 51	-1.02474	-1.02474	SLU 2	-0.57267	-0.57267
1424	SLU 51	-1.23967	-1.23967	SLU 2	-0.70903	-0.70903
1425	SLU 50	-1.07751	-1.07751	SLV 15	-0.59844	-0.59844
1426	SLU 51	-1.02551	-1.02551	SLU 2	-0.5726	-0.5726
1427	SLU 51	-1.02295	-1.02295	SLU 2	-0.57235	-0.57235
1428	SLU 51	-1.01474	-1.01474	SLU 2	-0.57032	-0.57032
1429	SLU 51	-1.07932	-1.07932	SLU 2	-0.6012	-0.6012
1430	SLU 52	-1.09948	-1.09948	SLV 15	-0.62046	-0.62046
1431	SLU 51	-1.01723	-1.01723	SLU 2	-0.57081	-0.57081
1432	SLU 51	-1.02025	-1.02025	SLU 2	-0.57165	-0.57165
1433	SLU 51	-1.3002	-1.3002	SLU 2	-0.73096	-0.73096
1434	SLU 51	-1.39696	-1.39696	SLU 2	-0.76914	-0.76914
1435	SLU 51	-1.08396	-1.08396	SLU 2	-0.60388	-0.60388
1436	SLU 52	-1.22748	-1.22748	SLU 1	-0.70466	-0.70466
1437	SLU 51	-1.24556	-1.24556	SLU 2	-0.71125	-0.71125
1438	SLU 51	-1.39922	-1.39922	SLU 2	-0.7708	-0.7708
1439	SLU 52	-1.12272	-1.12272	SLV 15	-0.64234	-0.64234
1440	SLU 51	-1.39211	-1.39211	SLU 2	-0.76638	-0.76638
1441	SLU 52	-1.20789	-1.20789	SLU 1	-0.69571	-0.69571
1442	SLU 51	-1.31643	-1.31643	SLU 2	-0.73938	-0.73938
1443	SLU 51	-1.26101	-1.26101	SLU 2	-0.71597	-0.71597
1444	SLU 51	-1.26436	-1.26436	SLU 2	-0.71604	-0.71604
1445	SLU 51	-1.26316	-1.26316	SLU 2	-0.71623	-0.71623
1446	SLU 51	-1.26494	-1.26494	SLU 2	-0.71559	-0.71559
1447	SLU 51	-1.01287	-1.01287	SLU 2	-0.57339	-0.57339
1448	SLU 51	-1.25794	-1.25794	SLU 2	-0.71527	-0.71527
1449	SLU 51	-1.26528	-1.26528	SLU 2	-0.71509	-0.71509
1450	SLU 51	-1.39718	-1.39718	SLU 2	-0.77152	-0.77152
1451	SLU 51	-1.25076	-1.25076	SLU 2	-0.71314	-0.71314
1452	SLU 51	-1.26584	-1.26584	SLU 2	-0.71482	-0.71482
1453	SLU 51	-1.38579	-1.38579	SLU 2	-0.76307	-0.76307
1454	SLU 51	-1.08875	-1.08875	SLU 2	-0.60677	-0.60677
1455	SLU 51	-1.25495	-1.25495	SLU 2	-0.71455	-0.71455
1456	SLU 52	-1.14613	-1.14613	SLV 15	-0.66351	-0.66351
1457	SLU 51	-1.26702	-1.26702	SLU 2	-0.715	-0.715
1458	SLU 51	-1.39623	-1.39623	SLU 2	-0.77199	-0.77199
1459	SLU 51	-1.37962	-1.37962	SLU 2	-0.75998	-0.75998
1460	SLU 51	-1.3741	-1.3741	SLU 2	-0.75733	-0.75733
1461	SLU 51	-1.26895	-1.26895	SLU 2	-0.71571	-0.71571
1462	SLU 51	-1.39542	-1.39542	SLU 2	-0.77257	-0.77257
1463	SLU 51	-1.23566	-1.23566	SLU 2	-0.70839	-0.70839
1464	SLU 51	-1.37027	-1.37027	SLU 2	-0.75566	-0.75566
1465	SLU 51	-1.39524	-1.39524	SLU 2	-0.7735	-0.7735
1466	SLU 51	-1.36819	-1.36819	SLU 2	-0.75496	-0.75496
1467	SLU 51	-1.09557	-1.09557	SLU 2	-0.61084	-0.61084
1468	SLU 51	-1.36754	-1.36754	SLU 2	-0.75504	-0.75504
1469	SLU 52	-1.22021	-1.22021	SLU 1	-0.70174	-0.70174
1470	SLU 52	-1.16849	-1.16849	SLU 1	-0.67744	-0.67744
1471	SLU 51	-1.36718	-1.36718	SLU 2	-0.75528	-0.75528
1472	SLU 51	-1.39565	-1.39565	SLU 2	-0.77473	-0.77473
1473	SLU 51	-1.1055	-1.1055	SLU 2	-0.61666	-0.61666
1474	SLU 51	-1.36501	-1.36501	SLU 2	-0.75451	-0.75451
1475	SLU 51	-1.32312	-1.32312	SLU 2	-0.7335	-0.7335
1476	SLU 51	-1.11934	-1.11934	SLU 2	-0.62454	-0.62454
1477	SLU 51	-1.39584	-1.39584	SLU 2	-0.77585	-0.77585
1478	SLU 51	-1.34265	-1.34265	SLU 2	-0.7434	-0.7434
1479	SLU 51	-1.30379	-1.30379	SLU 2	-0.72368	-0.72368
1480	SLU 52	-1.20196	-1.20196	SLU 1	-0.69349	-0.69349
1481	SLU 51	-1.33575	-1.33575	SLU 2	-0.74967	-0.74967
1482	SLU 51	-1.35847	-1.35847	SLU 2	-0.75137	-0.75137
1483	SLU 51	-1.2425	-1.2425	SLU 2	-0.71106	-0.71106
1484	SLU 51	-1.13739	-1.13739	SLU 2	-0.63461	-0.63461
1485	SLU 51	-1.28677	-1.28677	SLU 2	-0.71501	-0.71501
1486	SLU 51	-1.27181	-1.27181	SLU 2	-0.7171	-0.7171
1487	SLU 51	-1.15953	-1.15953	SLU 2	-0.6468	-0.6468

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
1488	SLU 51	-1.394	-1.394	SLU 2	-0.77593	-0.77593
1489	SLU 51	-1.27217	-1.27217	SLU 2	-0.70754	-0.70754
1490	SLU 51	-1.38671	-1.38671	SLU 2	-0.77291	-0.77291
1491	SLU 51	-1.01398	-1.01398	SLU 2	-0.57564	-0.57564
1492	SLU 51	-1.37763	-1.37763	SLU 2	-0.76879	-0.76879
1493	SLU 51	-1.18449	-1.18449	SLU 2	-0.6604	-0.6604
1494	SLU 51	-1.36917	-1.36917	SLU 2	-0.76482	-0.76482
1495	SLU 51	-1.35199	-1.35199	SLU 2	-0.75759	-0.75759
1496	SLU 50	-1.06694	-1.06694	SLU 4	-0.6085	-0.6085
1497	SLU 52	-1.18799	-1.18799	SLU 1	-0.68708	-0.68708
1498	SLU 51	-1.24851	-1.24851	SLU 2	-0.71329	-0.71329
1499	SLU 50	-1.04129	-1.04129	SLU 4	-0.59529	-0.59529
1500	SLU 51	-1.2102	-1.2102	SLU 2	-0.67433	-0.67433
1501	SLU 51	-1.36271	-1.36271	SLU 2	-0.76182	-0.76182
1502	SLU 52	-1.23003	-1.23003	SLU 1	-0.70648	-0.70648
1503	SLU 51	-1.23157	-1.23157	SLU 2	-0.68588	-0.68588
1504	SLU 52	-1.21234	-1.21234	SLU 1	-0.69852	-0.69852
1505	SLU 51	-1.2611	-1.2611	SLU 2	-0.70184	-0.70184
1506	SLU 50	-1.01637	-1.01637	SLU 4	-0.58243	-0.58243
1507	SLU 52	-0.99507	-0.99507	SLU 1	-0.5708	-0.5708
1508	SLU 52	-0.97874	-0.97874	SLU 1	-0.5617	-0.5617
1509	SLU 51	-1.35885	-1.35885	SLU 2	-0.76009	-0.76009
1510	SLU 52	-0.96841	-0.96841	SLU 1	-0.55576	-0.55576
1511	SLU 51	-1.00728	-1.00728	SLU 2	-0.57334	-0.57334
1512	SLU 51	-1.35683	-1.35683	SLU 2	-0.75958	-0.75958
1513	SLU 52	-0.98397	-0.98397	SLU 1	-0.56258	-0.56258
1514	SLU 51	-1.24296	-1.24296	SLU 2	-0.69209	-0.69209
1515	SLU 52	-0.96434	-0.96434	SLU 1	-0.55314	-0.55314
1516	SLU 51	-1.35746	-1.35746	SLU 2	-0.75962	-0.75962
1517	SLU 51	-1.25378	-1.25378	SLU 2	-0.71517	-0.71517
1518	SLU 52	-0.96585	-0.96585	SLU 1	-0.55349	-0.55349
1519	SLU 52	-0.97907	-0.97907	SLU 1	-0.55993	-0.55993
1520	SLU 51	-1.25357	-1.25357	SLU 2	-0.6979	-0.6979
1521	SLU 51	-1.2774	-1.2774	SLU 2	-0.71992	-0.71992
1522	SLU 51	-1.24844	-1.24844	SLU 2	-0.69513	-0.69513
1523	SLU 52	-0.97164	-0.97164	SLU 1	-0.55619	-0.55619
1524	SLU 52	-0.98426	-0.98426	SLU 1	-0.56285	-0.56285
1525	SLU 51	-0.99845	-0.99845	SLU 2	-0.56953	-0.56953
1526	SLU 51	-1.25831	-1.25831	SLU 2	-0.71669	-0.71669
1527	SLU 51	-1.26201	-1.26201	SLU 2	-0.71775	-0.71775
1528	SLU 52	-0.98276	-0.98276	SLU 1	-0.56205	-0.56205
1529	SLU 52	-0.99057	-0.99057	SLU 1	-0.56599	-0.56599
1530	SLU 52	-0.98523	-0.98523	SLU 1	-0.56322	-0.56322
1531	SLU 52	-0.98271	-0.98271	SLU 1	-0.56196	-0.56196
1532	SLU 51	-1.26497	-1.26497	SLU 2	-0.7184	-0.7184
1533	SLU 51	-1.26658	-1.26658	SLU 2	-0.71839	-0.71839
1534	SLU 51	-1.28615	-1.28615	SLU 2	-0.72447	-0.72447
1535	SLU 51	-1.26704	-1.26704	SLU 2	-0.71781	-0.71781
1536	SLU 51	-1.03855	-1.03855	SLU 2	-0.57894	-0.57894
1537	SLU 51	-1.03454	-1.03454	SLU 2	-0.57687	-0.57687
1538	SLU 51	-1.04485	-1.04485	SLU 2	-0.58232	-0.58232
1539	SLU 52	-1.23818	-1.23818	SLU 1	-0.71033	-0.71033
1540	SLU 51	-1.05304	-1.05304	SLU 2	-0.58675	-0.58675
1541	SLU 51	-1.03279	-1.03279	SLU 2	-0.5761	-0.5761
1542	SLU 51	-1.07287	-1.07287	SLU 2	-0.59746	-0.59746
1543	SLU 51	-1.06264	-1.06264	SLU 2	-0.59195	-0.59195
1544	SLU 51	-1.26671	-1.26671	SLU 2	-0.7169	-0.7169
1545	SLU 51	-1.08157	-1.08157	SLU 2	-0.60205	-0.60205
1546	SLU 51	-1.03409	-1.03409	SLU 2	-0.57826	-0.57826
1547	SLU 51	-1.03291	-1.03291	SLU 2	-0.57647	-0.57647
1548	SLU 51	-1.26776	-1.26776	SLU 2	-0.71552	-0.71552
1549	SLU 51	-1.26609	-1.26609	SLU 2	-0.71592	-0.71592
1550	SLU 51	-1.03404	-1.03404	SLU 2	-0.57755	-0.57755
1551	SLU 51	-1.29806	-1.29806	SLU 2	-0.73074	-0.73074
1552	SLU 51	-1.08637	-1.08637	SLU 2	-0.60457	-0.60457
1553	SLU 51	-1.26582	-1.26582	SLU 2	-0.71524	-0.71524
1554	SLU 52	-1.2235	-1.2235	SLU 1	-0.70403	-0.70403
1555	SLU 52	-1.11379	-1.11379	SLV 15	-0.6256	-0.6256
1556	SLU 51	-1.26638	-1.26638	SLU 2	-0.71511	-0.71511
1557	SLU 50	-1.09551	-1.09551	SLV 15	-0.60538	-0.60538
1558	SLU 51	-1.03244	-1.03244	SLU 2	-0.57829	-0.57829
1559	SLU 52	-1.20216	-1.20216	SLU 1	-0.69436	-0.69436
1560	SLU 51	-1.40788	-1.40788	SLU 2	-0.77529	-0.77529
1561	SLU 51	-1.01993	-1.01993	SLU 2	-0.57821	-0.57821
1562	SLU 51	-1.02038	-1.02038	SLU 2	-0.57729	-0.57729
1563	SLU 52	-1.13464	-1.13464	SLV 15	-0.64687	-0.64687
1564	SLU 51	-1.02113	-1.02113	SLU 2	-0.57643	-0.57643
1565	SLU 51	-1.31263	-1.31263	SLU 2	-0.73845	-0.73845
1566	SLU 51	-1.08907	-1.08907	SLU 2	-0.60619	-0.60619
1567	SLU 51	-1.24511	-1.24511	SLU 2	-0.71298	-0.71298
1568	SLU 51	-1.02918	-1.02918	SLU 2	-0.57756	-0.57756
1569	SLU 52	-1.21448	-1.21448	SLU 1	-0.70014	-0.70014
1570	SLU 51	-1.01948	-1.01948	SLU 2	-0.5788	-0.5788
1571	SLU 51	-1.02282	-1.02282	SLU 2	-0.57624	-0.57624
1572	SLU 51	-1.02563	-1.02563	SLU 2	-0.5767	-0.5767
1573	SLU 51	-1.40178	-1.40178	SLU 2	-0.77178	-0.77178
1574	SLU 52	-1.15549	-1.15549	SLV 15	-0.66741	-0.66741
1575	SLU 50	-1.08159	-1.08159	SLV 13	-0.58723	-0.58723
1576	SLU 51	-1.41006	-1.41006	SLU 2	-0.77708	-0.77708
1577	SLU 51	-1.40835	-1.40835	SLU 2	-0.77709	-0.77709
1578	SLU 51	-1.39338	-1.39338	SLU 2	-0.76731	-0.76731
1579	SLU 52	-1.17467	-1.17467	SLU 1	-0.68165	-0.68165
1580	SLU 50	-1.0645	-1.0645	SLV 13	-0.56538	-0.56538
1581	SLU 51	-1.32557	-1.32557	SLU 2	-0.74535	-0.74535
1582	SLU 51	-1.25105	-1.25105	SLU 2	-0.71511	-0.71511
1583	SLU 51	-1.09218	-1.09218	SLU 2	-0.60819	-0.60819
1584	SLU 52	-1.23285	-1.23285	SLU 1	-0.70848	-0.70848
1585	SLU 52	-1.18891	-1.18891	SLU 1	-0.68848	-0.68848
1586	SLU 51	-1.40728	-1.40728	SLU 2	-0.77762	-0.77762

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
1587	SLU 51	-1.38553	-1.38553	SLU 2	-0.76329	-0.76329
1588	SLU 51	-1.40568	-1.40568	SLU 2	-0.77794	-0.77794
1589	SLU 51	-1.37905	-1.37905	SLU 2	-0.7601	-0.7601
1590	SLU 51	-1.25632	-1.25632	SLU 2	-0.71695	-0.71695
1591	SLU 51	-1.40472	-1.40472	SLU 2	-0.77862	-0.77862
1592	SLU 51	-1.40476	-1.40476	SLU 2	-0.77981	-0.77981
1593	SLU 51	-1.37464	-1.37464	SLU 2	-0.75809	-0.75809
1594	SLU 51	-1.26105	-1.26105	SLU 2	-0.71854	-0.71854
1595	SLU 51	-1.40568	-1.40568	SLU 2	-0.78147	-0.78147
1596	SLU 51	-1.37234	-1.37234	SLU 2	-0.75724	-0.75724
1597	SLU 51	-1.3719	-1.3719	SLU 2	-0.75741	-0.75741
1598	SLU 51	-1.37236	-1.37236	SLU 2	-0.75804	-0.75804
1599	SLU 51	-1.26534	-1.26534	SLU 2	-0.71987	-0.71987
1600	SLU 52	-1.24067	-1.24067	SLU 1	-0.71208	-0.71208
1601	SLU 51	-1.26827	-1.26827	SLU 2	-0.71596	-0.71596
1602	SLU 51	-1.26836	-1.26836	SLU 2	-0.72052	-0.72052
1603	SLU 51	-1.40715	-1.40715	SLU 2	-0.78344	-0.78344
1604	SLU 51	-1.32658	-1.32658	SLU 2	-0.73521	-0.73521
1605	SLU 51	-1.3721	-1.3721	SLU 2	-0.75824	-0.75824
1606	SLU 51	-1.26928	-1.26928	SLU 2	-0.72014	-0.72014
1607	SLU 51	-1.30642	-1.30642	SLU 2	-0.72493	-0.72493
1608	SLU 51	-1.34839	-1.34839	SLU 2	-0.74631	-0.74631
1609	SLU 51	-1.26882	-1.26882	SLU 2	-0.71909	-0.71909
1610	SLU 51	-1.10725	-1.10725	SLU 2	-0.61724	-0.61724
1611	SLU 51	-1.28891	-1.28891	SLU 2	-0.71597	-0.71597
1612	SLU 52	-1.2261	-1.2261	SLU 1	-0.70607	-0.70607
1613	SLU 51	-1.09754	-1.09754	SLU 2	-0.61144	-0.61144
1614	SLU 51	-1.02237	-1.02237	SLU 2	-0.58135	-0.58135
1615	SLU 51	-1.12082	-1.12082	SLU 2	-0.625	-0.625
1616	SLU 51	-1.2473	-1.2473	SLU 2	-0.71466	-0.71466
1617	SLU 51	-1.26749	-1.26749	SLU 2	-0.71769	-0.71769
1618	SLU 51	-1.2739	-1.2739	SLU 2	-0.71879	-0.71879
1619	SLU 51	-1.38545	-1.38545	SLU 2	-0.77492	-0.77492
1620	SLU 51	-1.27387	-1.27387	SLU 2	-0.70825	-0.70825
1621	SLU 51	-1.13846	-1.13846	SLU 2	-0.63485	-0.63485
1622	SLU 51	-1.39699	-1.39699	SLU 2	-0.78033	-0.78033
1623	SLU 50	-1.10995	-1.10995	SLV 13	-0.61036	-0.61036
1624	SLU 51	-1.37544	-1.37544	SLU 2	-0.77017	-0.77017
1625	SLU 51	-1.26519	-1.26519	SLU 2	-0.71484	-0.71484
1626	SLU 51	-1.26588	-1.26588	SLU 2	-0.7162	-0.7162
1627	SLU 51	-1.16046	-1.16046	SLU 2	-0.64697	-0.64697
1628	SLU 51	-1.35505	-1.35505	SLU 2	-0.76082	-0.76082
1629	SLU 51	-1.40754	-1.40754	SLU 2	-0.78501	-0.78501
1630	SLU 51	-1.41417	-1.41417	SLU 2	-0.77902	-0.77902
1631	SLU 51	-1.36924	-1.36924	SLU 2	-0.75691	-0.75691
1632	SLU 51	-1.23806	-1.23806	SLU 2	-0.68904	-0.68904
1633	SLU 51	-1.08694	-1.08694	SLU 2	-0.60466	-0.60466
1634	SLU 51	-1.0404	-1.0404	SLU 2	-0.58236	-0.58236
1635	SLU 51	-1.02097	-1.02097	SLU 2	-0.5816	-0.5816
1636	SLU 52	-0.98918	-0.98918	SLU 1	-0.5653	-0.5653
1638	SLU 50	-1.07441	-1.07441	SLU 4	-0.61168	-0.61168
1639	SLU 51	-1.26486	-1.26486	SLU 2	-0.71513	-0.71513
1640	SLU 51	-1.25283	-1.25283	SLU 2	-0.71651	-0.71651
1641	SLU 51	-1.36772	-1.36772	SLU 2	-0.7665	-0.7665
1642	SLU 51	-1.03875	-1.03875	SLU 2	-0.57918	-0.57918
1643	SLU 51	-1.28267	-1.28267	SLU 2	-0.72339	-0.72339
1644	SLU 51	-1.04238	-1.04238	SLU 2	-0.58097	-0.58097
1645	SLU 51	-1.18577	-1.18577	SLU 2	-0.66076	-0.66076
1646	SLU 51	-1.04832	-1.04832	SLU 2	-0.58409	-0.58409
1647	SLU 50	-1.04691	-1.04691	SLU 4	-0.59762	-0.59762
1648	SLU 51	-1.0768	-1.0768	SLU 2	-0.59943	-0.59943
1649	SLU 51	-1.03741	-1.03741	SLU 2	-0.57874	-0.57874
1650	SLU 51	-1.34077	-1.34077	SLU 2	-0.75399	-0.75399
1651	SLU 51	-1.26238	-1.26238	SLU 2	-0.7023	-0.7023
1652	SLU 51	-1.05635	-1.05635	SLU 2	-0.58839	-0.58839
1653	SLU 51	-1.06597	-1.06597	SLU 2	-0.59358	-0.59358
1654	SLU 51	-1.21316	-1.21316	SLU 2	-0.67559	-0.67559
1655	SLU 50	-1.02027	-1.02027	SLU 4	-0.58392	-0.58392
1656	SLU 52	-1.12611	-1.12611	SLV 13	-0.62698	-0.62698
1657	SLU 52	-0.99822	-0.99822	SLU 1	-0.57195	-0.57195
1658	SLU 51	-1.36258	-1.36258	SLU 2	-0.76406	-0.76406
1659	SLU 51	-1.08928	-1.08928	SLU 2	-0.6058	-0.6058
1660	SLU 52	-1.2009	-1.2009	SLU 1	-0.69508	-0.69508
1661	SLU 51	-1.29461	-1.29461	SLU 2	-0.72975	-0.72975
1662	SLU 52	-0.98136	-0.98136	SLU 1	-0.56266	-0.56266
1663	SLU 51	-1.25768	-1.25768	SLU 2	-0.71811	-0.71811
1664	SLU 51	-1.03976	-1.03976	SLU 2	-0.58113	-0.58113
1665	SLU 52	-0.97076	-0.97076	SLU 1	-0.55665	-0.55665
1666	SLU 51	-1.03815	-1.03815	SLU 2	-0.57961	-0.57961
1667	SLU 52	-1.2351	-1.2351	SLU 1	-0.71028	-0.71028
1668	SLU 52	-0.9666	-0.9666	SLU 1	-0.55405	-0.55405
1669	SLU 52	-0.98288	-0.98288	SLU 1	-0.5618	-0.5618
1670	SLU 51	-1.24565	-1.24565	SLU 2	-0.69322	-0.69322
1671	SLU 52	-1.14586	-1.14586	SLV 15	-0.64858	-0.64858
1672	SLU 51	-1.36004	-1.36004	SLU 2	-0.7629	-0.7629
1673	SLU 52	-0.96821	-0.96821	SLU 1	-0.55453	-0.55453
1674	SLU 51	-1.35915	-1.35915	SLU 2	-0.76248	-0.76248
1675	SLU 52	-0.97433	-0.97433	SLU 1	-0.55747	-0.55747
1676	SLU 52	-1.18377	-1.18377	SLU 1	-0.68723	-0.68723
1677	SLU 51	-1.02438	-1.02438	SLU 2	-0.5824	-0.5824
1678	SLU 51	-1.30905	-1.30905	SLU 2	-0.73747	-0.73747
1679	SLU 51	-1.09061	-1.09061	SLU 2	-0.60673	-0.60673
1680	SLU 52	-1.16549	-1.16549	SLV 15	-0.66994	-0.66994
1681	SLU 52	-0.98786	-0.98786	SLU 1	-0.56491	-0.56491
1682	SLU 51	-1.25445	-1.25445	SLU 2	-0.69812	-0.69812
1683	SLU 51	-1.26212	-1.26212	SLU 2	-0.71955	-0.71955
1684	SLU 51	-1.03884	-1.03884	SLU 2	-0.58277	-0.58277
1685	SLU 51	-1.24947	-1.24947	SLU 2	-0.6954	-0.6954
1686	SLU 51	-1.32533	-1.32533	SLU 2	-0.74612	-0.74612

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
1687	SLU 52	-0.98588	-0.98588	SLU 1	-0.5639	-0.5639
1688	SLU 52	-1.01312	-1.01312	SLU 1	-0.57868	-0.57868
1689	SLU 51	-1.41599	-1.41599	SLU 2	-0.78085	-0.78085
1690	SLU 52	-0.98594	-0.98594	SLU 1	-0.56395	-0.56395
1691	SLU 51	-1.40679	-1.40679	SLU 2	-0.77483	-0.77483
1692	SLU 52	-0.98887	-0.98887	SLU 1	-0.56551	-0.56551
1693	SLU 51	-1.09225	-1.09225	SLU 2	-0.60791	-0.60791
1694	SLU 52	-0.99485	-0.99485	SLU 1	-0.56871	-0.56871
1695	SLU 51	-1.02545	-1.02545	SLU 2	-0.58206	-0.58206
1696	SLU 52	-1.00338	-1.00338	SLU 1	-0.57333	-0.57333
1697	SLU 51	-1.26666	-1.26666	SLU 2	-0.72093	-0.72093
1698	SLU 52	-1.24253	-1.24253	SLU 1	-0.71353	-0.71353
1699	SLU 51	-1.02671	-1.02671	SLU 2	-0.58159	-0.58159
1700	SLU 51	-1.41507	-1.41507	SLU 2	-0.78141	-0.78141
1701	SLU 51	-1.39727	-1.39727	SLU 2	-0.76971	-0.76971
1702	SLU 51	-1.03559	-1.03559	SLU 2	-0.58246	-0.58246
1703	SLU 51	-1.0288	-1.0288	SLU 2	-0.58149	-0.58149
1704	SLU 51	-1.09449	-1.09449	SLU 2	-0.60939	-0.60939
1705	SLU 51	-1.03183	-1.03183	SLU 2	-0.58181	-0.58181
1706	SLU 51	-1.38852	-1.38852	SLU 2	-0.76515	-0.76515
1707	SLU 51	-1.26997	-1.26997	SLU 2	-0.72072	-0.72072
1708	SLU 51	-1.41378	-1.41378	SLU 2	-0.78196	-0.78196
1709	SLU 51	-1.41244	-1.41244	SLU 2	-0.78258	-0.78258
1710	SLU 51	-1.26996	-1.26996	SLU 2	-0.7215	-0.7215
1711	SLU 51	-1.24885	-1.24885	SLU 2	-0.71592	-0.71592
1712	SLU 51	-1.26876	-1.26876	SLU 2	-0.71937	-0.71937
1713	SLU 51	-1.41184	-1.41184	SLU 2	-0.78365	-0.78365
1714	SLU 51	-1.38142	-1.38142	SLU 2	-0.76157	-0.76157
1715	SLU 50	-1.10893	-1.10893	SLV 13	-0.59767	-0.59767
1716	SLU 52	-1.21678	-1.21678	SLU 1	-0.70296	-0.70296
1717	SLU 51	-1.41202	-1.41202	SLU 2	-0.78511	-0.78511
1718	SLU 51	-1.25348	-1.25348	SLU 2	-0.71725	-0.71725
1719	SLU 51	-1.37631	-1.37631	SLU 2	-0.75914	-0.75914
1720	SLU 51	-1.41279	-1.41279	SLU 2	-0.78686	-0.78686
1721	SLU 50	-1.09057	-1.09057	SLV 13	-0.5707	-0.5707
1722	SLU 51	-1.41301	-1.41301	SLU 2	-0.78827	-0.78827
1723	SLU 51	-1.25754	-1.25754	SLU 2	-0.71848	-0.71848
1724	SLU 51	-1.3732	-1.3732	SLU 2	-0.75783	-0.75783
1725	SLU 51	-1.26657	-1.26657	SLU 2	-0.71764	-0.71764
1726	SLU 51	-1.37169	-1.37169	SLU 2	-0.75775	-0.75775
1727	SLU 51	-1.372	-1.372	SLU 2	-0.75756	-0.75756
1728	SLU 51	-1.34419	-1.34419	SLU 2	-0.74411	-0.74411
1729	SLU 51	-1.36978	-1.36978	SLU 2	-0.75704	-0.75704
1730	SLU 52	-1.22746	-1.22746	SLU 1	-0.70787	-0.70787
1731	SLU 51	-1.32481	-1.32481	SLU 2	-0.73421	-0.73421
1732	SLU 51	-1.36189	-1.36189	SLU 2	-0.75311	-0.75311
1733	SLU 51	-1.41038	-1.41038	SLU 2	-0.78818	-0.78818
1734	SLU 51	-1.26406	-1.26406	SLU 2	-0.71568	-0.71568
1735	SLU 52	-1.13375	-1.13375	SLV 13	-0.62347	-0.62347
1736	SLU 51	-1.30588	-1.30588	SLU 2	-0.72452	-0.72452
1737	SLU 51	-1.26468	-1.26468	SLU 2	-0.71473	-0.71473
1738	SLU 51	-1.26238	-1.26238	SLU 2	-0.71426	-0.71426
1739	SLU 51	-1.26062	-1.26062	SLU 2	-0.71937	-0.71937
1740	SLU 51	-1.26232	-1.26232	SLU 2	-0.7138	-0.7138
1741	SLU 51	-1.2886	-1.2886	SLU 2	-0.71566	-0.71566
1742	SLU 51	-1.0411	-1.0411	SLU 2	-0.58054	-0.58054
1743	SLU 51	-1.26971	-1.26971	SLU 2	-0.71727	-0.71727
1744	SLU 51	-1.04425	-1.04425	SLU 2	-0.58198	-0.58198
1745	SLU 52	-1.2359	-1.2359	SLU 1	-0.71146	-0.71146
1746	SLU 52	-1.15424	-1.15424	SLV 13	-0.64686	-0.64686
1747	SLU 51	-1.04959	-1.04959	SLU 2	-0.58471	-0.58471
1748	SLU 51	-1.25344	-1.25344	SLU 2	-0.71749	-0.71749
1749	SLU 51	-1.04005	-1.04005	SLU 2	-0.58037	-0.58037
1750	SLU 52	-1.20378	-1.20378	SLU 1	-0.69771	-0.69771
1751	SLU 51	-1.09859	-1.09859	SLU 2	-0.61191	-0.61191
1752	SLU 51	-1.27813	-1.27813	SLU 2	-0.72172	-0.72172
1753	SLU 51	-1.05697	-1.05697	SLU 2	-0.58861	-0.58861
1754	SLU 51	-1.10698	-1.10698	SLU 2	-0.61687	-0.61687
1755	SLU 51	-1.2736	-1.2736	SLU 2	-0.70792	-0.70792
1756	SLU 51	-1.06567	-1.06567	SLU 2	-0.59327	-0.59327
1757	SLU 51	-1.3902	-1.3902	SLU 2	-0.77972	-0.77972
1758	SLU 51	-1.07478	-1.07478	SLU 2	-0.59813	-0.59813
1759	SLU 52	-1.17345	-1.17345	SLV 13	-0.66925	-0.66925
1760	SLU 51	-1.08248	-1.08248	SLU 2	-0.60218	-0.60218
1761	SLU 51	-1.26468	-1.26468	SLU 2	-0.72032	-0.72032
1762	SLU 52	-1.19122	-1.19122	SLV 15	-0.6899	-0.6899
1763	SLU 51	-1.37952	-1.37952	SLU 2	-0.77457	-0.77457
1764	SLU 51	-1.11975	-1.11975	SLU 2	-0.62416	-0.62416
1765	SLU 51	-1.08658	-1.08658	SLU 2	-0.60432	-0.60432
1766	SLU 51	-1.26718	-1.26718	SLU 2	-0.71886	-0.71886
1767	SLU 51	-1.28969	-1.28969	SLU 2	-0.72794	-0.72794
1768	SLU 51	-1.40233	-1.40233	SLU 2	-0.78549	-0.78549
1769	SLU 52	-1.24314	-1.24314	SLU 1	-0.71434	-0.71434
1770	SLU 51	-1.25585	-1.25585	SLU 2	-0.71812	-0.71812
1771	SLU 51	-1.02562	-1.02562	SLU 2	-0.58519	-0.58519
1772	SLU 51	-1.08855	-1.08855	SLU 2	-0.60551	-0.60551
1773	SLU 51	-1.26771	-1.26771	SLU 2	-0.7198	-0.7198
1774	SLU 51	-1.13651	-1.13651	SLU 2	-0.63352	-0.63352
1775	SLU 51	-1.26716	-1.26716	SLU 2	-0.72044	-0.72044
1776	SLU 51	-1.30361	-1.30361	SLU 2	-0.73544	-0.73544
1777	SLU 51	-1.09357	-1.09357	SLU 2	-0.60882	-0.60882
1778	SLU 51	-1.37068	-1.37068	SLU 2	-0.77029	-0.77029
1779	SLU 51	-1.09052	-1.09052	SLU 2	-0.60685	-0.60685
1780	SLU 51	-1.04296	-1.04296	SLU 2	-0.58472	-0.58472
1781	SLU 51	-1.04232	-1.04232	SLU 2	-0.58324	-0.58324
1782	SLU 51	-1.15731	-1.15731	SLU 2	-0.64499	-0.64499
1783	SLU 51	-1.31925	-1.31925	SLU 2	-0.74385	-0.74385
1784	SLU 51	-1.26149	-1.26149	SLU 2	-0.70162	-0.70162
1785	SLU 51	-1.25015	-1.25015	SLU 2	-0.71675	-0.71675

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
1786	SLU 50	-1.07071	-1.07071	SLU 4	-0.60901	-0.60901
1787	SLU 51	-1.04092	-1.04092	SLU 2	-0.58157	-0.58157
1788	SLU 51	-1.41385	-1.41385	SLU 2	-0.77961	-0.77961
1789	SLU 50	-1.04456	-1.04456	SLU 4	-0.59567	-0.59567
1790	SLU 51	-1.18119	-1.18119	SLU 2	-0.65802	-0.65802
1791	SLU 51	-1.33384	-1.33384	SLU 2	-0.75157	-0.75157
1792	SLU 51	-1.36378	-1.36378	SLU 2	-0.76696	-0.76696
1793	SLU 50	-1.01932	-1.01932	SLU 4	-0.5828	-0.5828
1794	SLU 51	-1.04187	-1.04187	SLU 2	-0.58561	-0.58561
1795	SLU 51	-1.40659	-1.40659	SLU 2	-0.7753	-0.7753
1796	SLU 52	-0.99771	-0.99771	SLU 1	-0.57115	-0.57115
1797	SLU 51	-1.02783	-1.02783	SLU 2	-0.58579	-0.58579
1798	SLU 52	-0.98126	-0.98126	SLU 1	-0.56215	-0.56215
1799	SLU 51	-1.20606	-1.20606	SLU 2	-0.67151	-0.67151
1800	SLU 51	-1.3975	-1.3975	SLU 2	-0.77028	-0.77028
1801	SLU 51	-1.41706	-1.41706	SLU 2	-0.7822	-0.7822
1802	SLU 52	-0.97062	-0.97062	SLU 1	-0.55621	-0.55621
1803	SLU 51	-1.41784	-1.41784	SLU 2	-0.78374	-0.78374
1804	SLU 51	-1.22717	-1.22717	SLU 2	-0.68296	-0.68296
1805	SLU 52	-0.96617	-0.96617	SLU 1	-0.55354	-0.55354
1806	SLU 51	-1.38876	-1.38876	SLU 2	-0.76563	-0.76563
1807	SLU 52	-0.96722	-0.96722	SLU 1	-0.55382	-0.55382
1808	SLU 51	-1.41762	-1.41762	SLU 2	-0.78499	-0.78499
1809	SLU 52	-0.98439	-0.98439	SLU 1	-0.56284	-0.56284
1810	SLU 51	-1.41724	-1.41724	SLU 2	-0.78632	-0.78632
1811	SLU 52	-0.97243	-0.97243	SLU 1	-0.55637	-0.55637
1812	SLU 52	-0.97939	-0.97939	SLU 1	-0.56002	-0.56002
1813	SLU 51	-1.03005	-1.03005	SLU 2	-0.58598	-0.58598
1814	SLU 51	-1.41714	-1.41714	SLU 2	-0.78788	-0.78788
1815	SLU 51	-1.35848	-1.35848	SLU 2	-0.76439	-0.76439
1816	SLU 51	-1.23803	-1.23803	SLU 2	-0.68891	-0.68891
1817	SLU 51	-1.38134	-1.38134	SLU 2	-0.76181	-0.76181
1818	SLU 51	-1.41731	-1.41731	SLU 2	-0.78957	-0.78957
1819	SLU 52	-0.98514	-0.98514	SLU 1	-0.56349	-0.56349
1820	SLU 51	-1.03259	-1.03259	SLU 2	-0.58601	-0.58601
1822	SLU 51	-1.26343	-1.26343	SLU 2	-0.71663	-0.71663
1823	SLU 51	-1.41732	-1.41732	SLU 2	-0.79112	-0.79112
1824	SLU 51	-1.35369	-1.35369	SLU 2	-0.7619	-0.7619
1825	SLU 52	-0.98474	-0.98474	SLU 1	-0.56344	-0.56344
1826	SLU 51	-1.41218	-1.41218	SLU 2	-0.79076	-0.79076
1827	SLU 51	-1.24433	-1.24433	SLU 2	-0.69241	-0.69241
1828	SLU 51	-1.03574	-1.03574	SLU 2	-0.58619	-0.58619
1829	SLU 52	-0.98586	-0.98586	SLU 1	-0.56415	-0.56415
1830	SLU 51	-1.25558	-1.25558	SLU 2	-0.7179	-0.7179
1831	SLU 52	-0.98952	-0.98952	SLU 1	-0.56622	-0.56622
1832	SLU 51	-1.41596	-1.41596	SLU 2	-0.79181	-0.79181
1833	SLU 51	-1.37551	-1.37551	SLU 2	-0.75894	-0.75894
1834	SLU 52	-0.9959	-0.9959	SLU 1	-0.56977	-0.56977
1835	SLU 51	-1.34429	-1.34429	SLU 2	-0.75725	-0.75725
1836	SLU 51	-1.4079	-1.4079	SLU 2	-0.78933	-0.78933
1837	SLU 51	-1.25099	-1.25099	SLU 2	-0.69602	-0.69602
1838	SLU 51	-1.03958	-1.03958	SLU 2	-0.58655	-0.58655
1839	SLU 51	-1.26035	-1.26035	SLU 2	-0.71421	-0.71421
1840	SLU 52	-1.00443	-1.00443	SLU 1	-0.57456	-0.57456
1841	SLU 51	-1.04097	-1.04097	SLU 2	-0.58104	-0.58104
1842	SLU 51	-1.0419	-1.0419	SLU 2	-0.58111	-0.58111
1843	SLU 52	-1.14574	-1.14574	SLV 13	-0.62041	-0.62041
1844	SLU 51	-1.26017	-1.26017	SLU 2	-0.71853	-0.71853
1845	SLU 52	-1.21483	-1.21483	SLU 1	-0.7037	-0.7037
1846	SLU 52	-1.22581	-1.22581	SLU 1	-0.70826	-0.70826
1847	SLU 51	-1.26324	-1.26324	SLU 2	-0.71763	-0.71763
1848	SLU 51	-1.36117	-1.36117	SLU 2	-0.75256	-0.75256
1849	SLU 51	-1.3657	-1.3657	SLU 2	-0.75468	-0.75468
1850	SLU 51	-1.25819	-1.25819	SLU 2	-0.71254	-0.71254
1851	SLU 52	-1.1636	-1.1636	SLV 13	-0.64452	-0.64452
1852	SLU 51	-1.04103	-1.04103	SLU 2	-0.58151	-0.58151
1853	SLU 51	-1.3369	-1.3369	SLU 2	-0.74028	-0.74028
1854	SLU 50	-1.13122	-1.13122	SLV 13	-0.59793	-0.59793
1855	SLU 52	-1.2417	-1.2417	SLU 1	-0.71416	-0.71416
1856	SLU 51	-1.35169	-1.35169	SLU 2	-0.74781	-0.74781
1857	SLU 51	-1.04445	-1.04445	SLU 2	-0.58216	-0.58216
1858	SLU 52	-1.23459	-1.23459	SLU 1	-0.71165	-0.71165
1859	SLU 52	-1.19812	-1.19812	SLV 13	-0.68975	-0.68975
1860	SLU 51	-1.26235	-1.26235	SLU 2	-0.71831	-0.71831
1861	SLU 52	-1.18115	-1.18115	SLV 13	-0.66744	-0.66744
1862	SLU 51	-1.36782	-1.36782	SLU 2	-0.7555	-0.7555
1863	SLU 51	-1.31976	-1.31976	SLU 2	-0.73151	-0.73151
1864	SLU 52	-1.01349	-1.01349	SLU 1	-0.57985	-0.57985
1865	SLU 51	-1.25777	-1.25777	SLU 2	-0.71192	-0.71192
1866	SLU 52	-1.02064	-1.02064	SLU 1	-0.58427	-0.58427
1867	SLU 51	-1.25982	-1.25982	SLU 2	-0.71276	-0.71276
1868	SLU 51	-1.30245	-1.30245	SLU 2	-0.72262	-0.72262
1869	SLU 50	-1.11705	-1.11705	SLV 13	-0.57359	-0.57359
1870	SLU 52	-1.24681	-1.24681	SLU 1	-0.71591	-0.71591
1871	SLU 51	-1.04891	-1.04891	SLU 2	-0.58434	-0.58434
1872	SLU 51	-1.2646	-1.2646	SLU 2	-0.71521	-0.71521
1873	SLU 51	-1.37034	-1.37034	SLU 2	-0.75654	-0.75654
1874	SLU 51	-1.0554	-1.0554	SLU 2	-0.5877	-0.5877
1875	SLU 51	-1.28624	-1.28624	SLU 2	-0.71428	-0.71428
1876	SLU 51	-1.06268	-1.06268	SLU 2	-0.59155	-0.59155
1877	SLU 51	-1.06998	-1.06998	SLU 2	-0.59543	-0.59543
1878	SLU 51	-1.27269	-1.27269	SLU 2	-0.71954	-0.71954
1879	SLU 51	-1.07624	-1.07624	SLU 2	-0.59876	-0.59876
1880	SLU 51	-1.08077	-1.08077	SLU 2	-0.60121	-0.60121
1881	SLU 51	-1.09642	-1.09642	SLU 2	-0.61068	-0.61068
1882	SLU 51	-1.28364	-1.28364	SLU 2	-0.72548	-0.72548
1883	SLU 51	-1.08379	-1.08379	SLU 2	-0.60296	-0.60296
1884	SLU 51	-1.0908	-1.0908	SLU 2	-0.6073	-0.6073
1885	SLU 51	-1.08676	-1.08676	SLU 2	-0.6048	-0.6048

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
1886	SLU 51	-1.25015	-1.25015	SLU 2	-0.71653	-0.71653
1887	SLU 51	-1.27198	-1.27198	SLU 2	-0.7069	-0.7069
1888	SLU 51	-1.29661	-1.29661	SLU 2	-0.73254	-0.73254
1889	SLU 51	-1.39158	-1.39158	SLU 2	-0.78296	-0.78296
1890	SLU 51	-1.38158	-1.38158	SLU 2	-0.77808	-0.77808
1891	SLU 51	-1.04318	-1.04318	SLU 2	-0.58585	-0.58585
1892	SLU 51	-1.40102	-1.40102	SLU 2	-0.78757	-0.78757
1893	SLU 52	-1.31044	-1.31044	SLU 1	-0.73995	-0.73995
1894	SLU 51	-1.04274	-1.04274	SLU 2	-0.58437	-0.58437
1895	SLU 51	-1.10345	-1.10345	SLU 2	-0.6148	-0.6148
1896	SLU 51	-1.26061	-1.26061	SLU 2	-0.70098	-0.70098
1897	SLU 51	-1.04273	-1.04273	SLU 2	-0.58703	-0.58703
1898	SLU 52	-1.23136	-1.23136	SLU 1	-0.71071	-0.71071
1899	SLU 52	-1.32261	-1.32261	SLU 1	-0.74633	-0.74633
1900	SLU 52	-1.22797	-1.22797	SLU 1	-0.70947	-0.70947
1901	SLU 51	-1.04183	-1.04183	SLU 2	-0.58291	-0.58291
1902	SLU 52	-1.37232	-1.37232	SLU 1	-0.77339	-0.77339
1903	SLU 51	-1.11603	-1.11603	SLU 2	-0.62196	-0.62196
1904	SLU 51	-1.04175	-1.04175	SLU 2	-0.58783	-0.58783
1905	SLU 52	-1.02498	-1.02498	SLU 1	-0.58769	-0.58769
1906	SLU 51	-1.40777	-1.40777	SLU 2	-0.79104	-0.79104
1907	SLU 51	-1.41082	-1.41082	SLU 2	-0.77878	-0.77878
1908	SLU 51	-1.13185	-1.13185	SLU 2	-0.6308	-0.6308
1909	SLU 51	-1.4038	-1.4038	SLU 2	-0.77446	-0.77446
1910	SLU 51	-1.25292	-1.25292	SLU 2	-0.69692	-0.69692
1911	SLU 52	-1.33079	-1.33079	SLU 1	-0.75072	-0.75072
1912	SLU 51	-1.3953	-1.3953	SLU 2	-0.76965	-0.76965
1913	SLU 51	-1.41554	-1.41554	SLU 2	-0.78223	-0.78223
1914	SLU 51	-1.41843	-1.41843	SLU 2	-0.785	-0.785
1915	SLU 51	-1.15092	-1.15092	SLU 2	-0.64132	-0.64132
1916	SLU 51	-1.04121	-1.04121	SLU 2	-0.582	-0.582
1917	SLU 51	-1.41992	-1.41992	SLU 2	-0.78731	-0.78731
1918	SLU 51	-1.38692	-1.38692	SLU 2	-0.76509	-0.76509
1919	SLU 51	-1.41326	-1.41326	SLU 2	-0.79351	-0.79351
1920	SLU 51	-1.4208	-1.4208	SLU 2	-0.78952	-0.78952
1921	SLU 51	-1.42133	-1.42133	SLU 2	-0.79167	-0.79167
1922	SLU 52	-1.21243	-1.21243	SLV 13	-0.70314	-0.70314
1923	SLU 51	-1.37962	-1.37962	SLU 2	-0.76124	-0.76124
1924	SLU 52	-1.36396	-1.36396	SLU 1	-0.76897	-0.76897
1925	SLU 51	-1.04104	-1.04104	SLU 2	-0.58135	-0.58135
1926	SLU 52	-1.24008	-1.24008	SLU 1	-0.71368	-0.71368
1927	SLU 50	-1.06159	-1.06159	SLU 4	-0.60343	-0.60343
1928	SLU 51	-1.37393	-1.37393	SLU 2	-0.75833	-0.75833
1929	SLU 51	-1.42151	-1.42151	SLU 2	-0.79364	-0.79364
1930	SLU 52	-1.22109	-1.22109	SLU 1	-0.70708	-0.70708
1931	SLU 51	-1.02858	-1.02858	SLU 2	-0.58928	-0.58928
1932	SLU 52	-1.23536	-1.23536	SLU 1	-0.71219	-0.71219
1933	SLU 51	-1.25658	-1.25658	SLU 2	-0.71344	-0.71344
1934	SLU 50	-1.03767	-1.03767	SLU 4	-0.59131	-0.59131
1935	SLU 51	-1.17225	-1.17225	SLU 2	-0.65298	-0.65298
1936	SLU 51	-1.25147	-1.25147	SLU 2	-0.71596	-0.71596
1937	SLU 51	-1.04167	-1.04167	SLU 2	-0.58119	-0.58119
1938	SLU 51	-1.42083	-1.42083	SLU 2	-0.79516	-0.79516
1939	SLU 52	-1.24401	-1.24401	SLU 1	-0.71483	-0.71483
1940	SLU 51	-1.25473	-1.25473	SLU 2	-0.71173	-0.71173
1941	SLU 50	-1.01461	-1.01461	SLU 4	-0.57964	-0.57964
1942	SLU 51	-1.2545	-1.2545	SLU 2	-0.71597	-0.71597
1943	SLU 51	-1.37013	-1.37013	SLU 2	-0.75646	-0.75646
1944	SLU 51	-1.25684	-1.25684	SLU 2	-0.71459	-0.71459
1945	SLU 51	-1.25627	-1.25627	SLU 2	-0.71549	-0.71549
1946	SLU 52	-0.99468	-0.99468	SLU 1	-0.569	-0.569
1947	SLU 51	-1.24751	-1.24751	SLU 2	-0.71546	-0.71546
1948	SLU 52	-1.23112	-1.23112	SLU 1	-0.71083	-0.71083
1949	SLU 51	-1.03188	-1.03188	SLU 2	-0.59003	-0.59003
1950	SLU 52	-0.9789	-0.9789	SLU 1	-0.56044	-0.56044
1951	SLU 51	-1.03491	-1.03491	SLU 2	-0.59021	-0.59021
1952	SLU 51	-1.04343	-1.04343	SLU 2	-0.58176	-0.58176
1953	SLU 52	-0.96842	-0.96842	SLU 1	-0.55466	-0.55466
1954	SLU 52	-1.17327	-1.17327	SLV 13	-0.64096	-0.64096
1955	SLU 52	-1.22624	-1.22624	SLU 1	-0.70917	-0.70917
1956	SLU 51	-1.4183	-1.4183	SLU 2	-0.79574	-0.79574
1957	SLU 52	-1.20202	-1.20202	SLV 13	-0.68476	-0.68476
1958	SLU 52	-1.16019	-1.16019	SLV 13	-0.61939	-0.61939
1959	SLU 52	-0.96358	-0.96358	SLU 1	-0.55189	-0.55189
1960	SLU 51	-1.03785	-1.03785	SLU 2	-0.59014	-0.59014
1961	SLU 52	-1.18774	-1.18774	SLV 13	-0.66267	-0.66267
1962	SLU 51	-1.19342	-1.19342	SLU 2	-0.6645	-0.6645
1963	SLU 52	-0.96366	-0.96366	SLU 1	-0.55176	-0.55176
1964	SLU 51	-1.25244	-1.25244	SLU 2	-0.71006	-0.71006
1965	SLU 52	-0.96727	-0.96727	SLU 1	-0.55357	-0.55357
1966	SLU 51	-1.21275	-1.21275	SLU 2	-0.67503	-0.67503
1967	SLU 52	-0.97222	-0.97222	SLU 1	-0.55624	-0.55624
1968	SLU 51	-1.09268	-1.09268	SLU 2	-0.6086	-0.6086
1969	SLU 51	-1.04045	-1.04045	SLU 2	-0.58986	-0.58986
1970	SLU 52	-0.97634	-0.97634	SLU 1	-0.5586	-0.5586
1971	SLU 51	-1.22579	-1.22579	SLU 2	-0.68215	-0.68215
1972	SLU 51	-1.25199	-1.25199	SLU 2	-0.70941	-0.70941
1973	SLU 51	-1.35693	-1.35693	SLU 2	-0.75019	-0.75019
1974	SLU 51	-1.3504	-1.3504	SLU 2	-0.74697	-0.74697
1975	SLU 52	-0.97882	-0.97882	SLU 1	-0.56016	-0.56016
1976	SLU 51	-1.3405	-1.3405	SLU 2	-0.74198	-0.74198
1977	SLU 51	-1.32723	-1.32723	SLU 2	-0.73521	-0.73521
1978	SLU 51	-1.25406	-1.25406	SLU 2	-0.7103	-0.7103
1979	SLU 52	-0.98066	-0.98066	SLU 1	-0.56138	-0.56138
1980	SLU 51	-1.2346	-1.2346	SLU 2	-0.68699	-0.68699
1981	SLU 51	-1.0644	-1.0644	SLU 2	-0.59241	-0.59241
1982	SLU 51	-1.06975	-1.06975	SLU 2	-0.59528	-0.59528
1983	SLU 51	-1.08705	-1.08705	SLU 2	-0.6053	-0.6053
1984	SLU 51	-1.07426	-1.07426	SLU 2	-0.59776	-0.59776

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
1985	SLU 51	-1.05842	-1.05842	SLU 2	-0.58924	-0.58924
1986	SLU 52	-0.98336	-0.98336	SLU 1	-0.56304	-0.56304
1987	SLU 51	-1.07809	-1.07809	SLU 2	-0.59996	-0.59996
1988	SLU 51	-1.31234	-1.31234	SLU 2	-0.72757	-0.72757
1989	SLU 51	-1.05229	-1.05229	SLU 2	-0.58604	-0.58604
1990	SLU 51	-1.25888	-1.25888	SLU 2	-0.71281	-0.71281
1991	SLU 51	-1.08203	-1.08203	SLU 2	-0.6023	-0.6023
1992	SLU 51	-1.36082	-1.36082	SLU 2	-0.75202	-0.75202
1993	SLU 52	-0.98797	-0.98797	SLU 1	-0.56574	-0.56574
1994	SLU 52	-1.34573	-1.34573	SLU 1	-0.75909	-0.75909
1995	SLU 51	-1.26659	-1.26659	SLU 2	-0.71699	-0.71699
1996	SLU 52	-1.355	-1.355	SLU 1	-0.76428	-0.76428
1997	SLU 52	-0.99468	-0.99468	SLU 1	-0.56961	-0.56961
1998	SLU 52	-1.21246	-1.21246	SLV 13	-0.69812	-0.69812
1999	SLU 51	-1.29705	-1.29705	SLU 2	-0.7197	-0.7197
2000	SLU 51	-1.04642	-1.04642	SLU 2	-0.5831	-0.5831
2001	SLU 51	-1.27695	-1.27695	SLU 2	-0.72268	-0.72268
2002	SLU 52	-1.20744	-1.20744	SLV 13	-0.6895	-0.6895
2003	SLU 52	-1.33531	-1.33531	SLU 1	-0.75338	-0.75338
2004	SLU 51	-1.04218	-1.04218	SLU 2	-0.58957	-0.58957
2005	SLU 51	-1.24181	-1.24181	SLU 2	-0.6909	-0.6909
2006	SLU 52	-1.28938	-1.28938	SLU 1	-0.72911	-0.72911
2007	SLU 51	-1.04312	-1.04312	SLU 2	-0.58695	-0.58695
2008	SLU 51	-1.04301	-1.04301	SLU 2	-0.58847	-0.58847
2009	SLU 52	-1.0029	-1.0029	SLU 1	-0.5744	-0.5744
2010	SLU 51	-1.0426	-1.0426	SLU 2	-0.58526	-0.58526
2011	SLU 50	-1.15359	-1.15359	SLV 13	-0.59714	-0.59714
2012	SLU 52	-1.30223	-1.30223	SLU 1	-0.73578	-0.73578
2013	SLU 51	-1.28202	-1.28202	SLU 2	-0.71194	-0.71194
2014	SLU 52	-1.21836	-1.21836	SLU 1	-0.70663	-0.70663
2015	SLU 52	-1.40122	-1.40122	SLU 1	-0.79007	-0.79007
2016	SLU 52	-1.23073	-1.23073	SLU 1	-0.71084	-0.71084
2017	SLU 51	-1.36387	-1.36387	SLU 2	-0.75346	-0.75346
2018	SLU 52	-1.22789	-1.22789	SLU 1	-0.70995	-0.70995
2019	SLU 52	-1.39293	-1.39293	SLU 1	-0.78545	-0.78545
2020	SLU 51	-1.04177	-1.04177	SLU 2	-0.58368	-0.58368
2021	SLU 52	-1.2342	-1.2342	SLU 1	-0.71186	-0.71186
2022	SLU 51	-1.4081	-1.4081	SLU 2	-0.79348	-0.79348
2023	SLU 52	-1.31377	-1.31377	SLU 1	-0.74186	-0.74186
2024	SLU 52	-1.3837	-1.3837	SLU 1	-0.78038	-0.78038
2025	SLU 51	-1.26841	-1.26841	SLU 2	-0.70487	-0.70487
2026	SLU 52	-1.01143	-1.01143	SLU 1	-0.57953	-0.57953
2027	SLU 51	-1.41347	-1.41347	SLU 2	-0.7958	-0.7958
2028	SLU 52	-1.23763	-1.23763	SLU 1	-0.71275	-0.71275
2029	SLU 52	-1.32414	-1.32414	SLU 1	-0.74741	-0.74741
2030	SLU 51	-1.04102	-1.04102	SLU 2	-0.58242	-0.58242
2031	SLU 50	-1.14335	-1.14335	SLV 13	-0.57363	-0.57363
2032	SLU 51	-1.24804	-1.24804	SLU 2	-0.69419	-0.69419
2033	SLU 51	-1.41725	-1.41725	SLU 2	-0.79732	-0.79732
2034	SLU 51	-1.24999	-1.24999	SLU 2	-0.70965	-0.70965
2035	SLU 51	-1.25683	-1.25683	SLU 2	-0.69882	-0.69882
2036	SLU 52	-1.37429	-1.37429	SLU 1	-0.77523	-0.77523
2037	SLU 52	-1.24065	-1.24065	SLU 1	-0.71341	-0.71341
2038	SLU 52	-1.22313	-1.22313	SLU 1	-0.70848	-0.70848
2039	SLU 51	-1.04063	-1.04063	SLU 2	-0.5815	-0.5815
2040	SLU 51	-1.4007	-1.4007	SLU 2	-0.77348	-0.77348
2041	SLU 52	-1.0188	-1.0188	SLU 1	-0.58426	-0.58426
2042	SLU 51	-1.24333	-1.24333	SLU 2	-0.71379	-0.71379
2043	SLU 51	-1.36641	-1.36641	SLU 2	-0.75474	-0.75474
2044	SLU 51	-1.40783	-1.40783	SLU 2	-0.77796	-0.77796
2045	SLU 51	-1.04087	-1.04087	SLU 2	-0.58106	-0.58106
2046	SLU 51	-1.39259	-1.39259	SLU 2	-0.76878	-0.76878
2047	SLU 51	-1.24988	-1.24988	SLU 2	-0.71029	-0.71029
2048	SLU 52	-1.20765	-1.20765	SLV 13	-0.6855	-0.6855
2049	SLU 51	-1.24605	-1.24605	SLU 2	-0.71355	-0.71355
2050	SLU 51	-1.41853	-1.41853	SLU 2	-0.78606	-0.78606
2051	SLU 51	-1.04192	-1.04192	SLU 2	-0.58119	-0.58119
2052	SLU 51	-1.4138	-1.4138	SLU 2	-0.78218	-0.78218
2053	SLU 51	-1.42177	-1.42177	SLU 2	-0.78947	-0.78947
2054	SLU 51	-1.24809	-1.24809	SLU 2	-0.71305	-0.71305
2055	SLU 51	-1.3707	-1.3707	SLU 2	-0.75695	-0.75695
2056	SLU 51	-1.24986	-1.24986	SLU 2	-0.7113	-0.7113
2057	SLU 52	-1.3657	-1.3657	SLU 1	-0.77054	-0.77054
2058	SLU 52	-1.17016	-1.17016	SLV 13	-0.61693	-0.61693
2059	SLU 51	-1.24938	-1.24938	SLU 2	-0.71229	-0.71229
2060	SLU 51	-1.42396	-1.42396	SLU 2	-0.79262	-0.79262
2061	SLU 51	-1.37668	-1.37668	SLU 2	-0.7601	-0.7601
2062	SLU 51	-1.11013	-1.11013	SLU 2	-0.61864	-0.61864
2063	SLU 51	-1.38424	-1.38424	SLU 2	-0.76419	-0.76419
2064	SLU 51	-1.42524	-1.42524	SLU 2	-0.79545	-0.79545
2065	SLU 52	-1.22623	-1.22623	SLU 1	-0.70959	-0.70959
2066	SLU 50	-1.16493	-1.16493	SLV 13	-0.6048	-0.6048
2067	SLU 52	-1.21189	-1.21189	SLV 13	-0.69166	-0.69166
2068	SLU 51	-1.42551	-1.42551	SLU 2	-0.79775	-0.79775
2069	SLU 51	-1.04331	-1.04331	SLU 2	-0.58169	-0.58169
2070	SLU 51	-1.09543	-1.09543	SLU 2	-0.61032	-0.61032
2071	SLU 51	-1.1252	-1.1252	SLU 2	-0.62705	-0.62705
2072	SLU 52	-1.1816	-1.1816	SLV 13	-0.6353	-0.6353
2073	SLU 52	-1.02471	-1.02471	SLU 1	-0.58842	-0.58842
2074	SLU 51	-1.42459	-1.42459	SLU 2	-0.79935	-0.79935
2075	SLU 52	-1.20389	-1.20389	SLV 13	-0.67508	-0.67508
2076	SLU 52	-1.35896	-1.35896	SLU 1	-0.76689	-0.76689
2077	SLU 51	-1.14238	-1.14238	SLU 2	-0.63653	-0.63653
2078	SLU 52	-1.22919	-1.22919	SLU 1	-0.71044	-0.71044
2079	SLU 52	-1.21682	-1.21682	SLV 13	-0.69943	-0.69943
2080	SLU 51	-1.42235	-1.42235	SLU 2	-0.80004	-0.80004
2081	SLU 52	-1.02933	-1.02933	SLU 1	-0.59196	-0.59196
2082	SLU 52	-1.19453	-1.19453	SLV 13	-0.65503	-0.65503
2083	SLU 52	-1.232	-1.232	SLU 1	-0.71109	-0.71109

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
2084	SLU 51	-1.03318	-1.03318	SLU 2	-0.59421	-0.59421
2085	SLU 50	-1.0519	-1.0519	SLU 4	-0.5975	-0.5975
2086	SLU 51	-1.03679	-1.03679	SLU 2	-0.59458	-0.59458
2087	SLU 51	-1.24539	-1.24539	SLU 2	-0.70708	-0.70708
2088	SLU 51	-1.03962	-1.03962	SLU 2	-0.59421	-0.59421
2089	SLU 51	-1.1608	-1.1608	SLU 2	-0.64662	-0.64662
2090	SLU 50	-1.03007	-1.03007	SLU 4	-0.58652	-0.58652
2091	SLU 51	-1.06801	-1.06801	SLU 2	-0.5945	-0.5945
2092	SLU 51	-1.06357	-1.06357	SLU 2	-0.59204	-0.59204
2093	SLU 51	-1.07224	-1.07224	SLU 2	-0.59691	-0.59691
2094	SLU 51	-1.05887	-1.05887	SLU 2	-0.58951	-0.58951
2095	SLU 51	-1.04175	-1.04175	SLU 2	-0.59335	-0.59335
2096	SLU 51	-1.07704	-1.07704	SLU 2	-0.59971	-0.59971
2097	SLU 52	-1.22107	-1.22107	SLV 13	-0.7069	-0.7069
2098	SLU 51	-1.054	-1.054	SLU 2	-0.58694	-0.58694
2099	SLU 52	-1.23456	-1.23456	SLU 1	-0.7115	-0.7115
2100	SLU 51	-1.41963	-1.41963	SLU 2	-0.80026	-0.80026
2101	SLU 51	-1.04923	-1.04923	SLU 2	-0.58449	-0.58449
2102	SLU 51	-1.24533	-1.24533	SLU 2	-0.70649	-0.70649
2103	SLU 50	-1.00887	-1.00887	SLU 4	-0.57588	-0.57588
2104	SLU 51	-1.08378	-1.08378	SLU 2	-0.60366	-0.60366
2105	SLU 51	-1.04304	-1.04304	SLU 2	-0.59204	-0.59204
2106	SLU 51	-1.24781	-1.24781	SLU 2	-0.70758	-0.70758
2107	SLU 51	-1.04353	-1.04353	SLU 2	-0.5903	-0.5903
2108	SLU 51	-1.04329	-1.04329	SLU 2	-0.58828	-0.58828
2109	SLU 51	-1.04255	-1.04255	SLU 2	-0.58622	-0.58622
2110	SLU 52	-0.99031	-0.99031	SLU 1	-0.5661	-0.5661
2111	SLU 51	-1.41541	-1.41541	SLU 2	-0.79905	-0.79905
2112	SLU 51	-1.2529	-1.2529	SLU 2	-0.71027	-0.71027
2113	SLU 52	-1.2606	-1.2606	SLU 1	-0.71451	-0.71451
2114	SLU 51	-1.04157	-1.04157	SLU 2	-0.58436	-0.58436
2115	SLU 52	-1.41021	-1.41021	SLU 1	-0.79606	-0.79606
2116	SLU 51	-1.04499	-1.04499	SLU 2	-0.58242	-0.58242
2117	SLU 52	-1.23675	-1.23675	SLU 1	-0.71169	-0.71169
2118	SLU 51	-1.34008	-1.34008	SLU 2	-0.74166	-0.74166
2119	SLU 52	-1.27094	-1.27094	SLU 1	-0.71965	-0.71965
2120	SLU 52	-1.2107	-1.2107	SLV 13	-0.68301	-0.68301
2121	SLU 52	-0.97532	-0.97532	SLU 1	-0.55804	-0.55804
2122	SLU 51	-1.32986	-1.32986	SLU 2	-0.73647	-0.73647
2123	SLU 51	-1.34764	-1.34764	SLU 2	-0.74546	-0.74546
2124	SLU 52	-1.28287	-1.28287	SLU 1	-0.72575	-0.72575
2125	SLU 52	-1.40356	-1.40356	SLU 1	-0.79228	-0.79228
2126	SLU 51	-1.31735	-1.31735	SLU 2	-0.73005	-0.73005
2127	SLU 51	-1.30439	-1.30439	SLU 2	-0.72339	-0.72339
2128	SLU 52	-1.29489	-1.29489	SLU 1	-0.73201	-0.73201
2129	SLU 51	-1.04064	-1.04064	SLU 2	-0.58281	-0.58281
2130	SLU 52	-0.96508	-0.96508	SLU 1	-0.55249	-0.55249
2131	SLU 50	-1.17309	-1.17309	SLV 13	-0.60237	-0.60237
2132	SLU 52	-1.39541	-1.39541	SLU 1	-0.7877	-0.7877
2133	SLU 52	-1.22435	-1.22435	SLU 1	-0.70926	-0.70926
2134	SLU 51	-1.35298	-1.35298	SLU 2	-0.74813	-0.74813
2135	SLU 52	-1.30574	-1.30574	SLU 1	-0.73776	-0.73776
2136	SLU 52	-0.95989	-0.95989	SLU 1	-0.54962	-0.54962
2137	SLU 51	-1.29094	-1.29094	SLU 2	-0.71643	-0.71643
2138	SLU 52	-1.23854	-1.23854	SLU 1	-0.71165	-0.71165
2139	SLU 51	-1.03999	-1.03999	SLU 2	-0.58161	-0.58161
2140	SLU 52	-0.95907	-0.95907	SLU 1	-0.54911	-0.54911
2141	SLU 52	-1.38616	-1.38616	SLU 1	-0.78255	-0.78255
2142	SLU 52	-0.96136	-0.96136	SLU 1	-0.55032	-0.55032
2143	SLU 51	-1.24352	-1.24352	SLU 2	-0.70715	-0.70715
2144	SLU 51	-1.04216	-1.04216	SLU 2	-0.5812	-0.5812
2145	SLU 51	-1.3574	-1.3574	SLU 2	-0.75036	-0.75036
2146	SLU 52	-0.96515	-0.96515	SLU 1	-0.55244	-0.55244
2147	SLU 51	-1.24018	-1.24018	SLU 2	-0.71105	-0.71105
2148	SLU 50	-1.18026	-1.18026	SLV 13	-0.61267	-0.61267
2149	SLU 51	-1.04057	-1.04057	SLU 2	-0.58072	-0.58072
2150	SLU 51	-1.03984	-1.03984	SLU 2	-0.58087	-0.58087
2151	SLU 52	-0.96906	-0.96906	SLV 1	-0.55408	-0.55408
2152	SLU 51	-1.2774	-1.2774	SLU 2	-0.7094	-0.7094
2153	SLU 51	-1.08936	-1.08936	SLU 2	-0.60695	-0.60695
2154	SLU 51	-1.39829	-1.39829	SLU 2	-0.77288	-0.77288
2155	SLU 52	-0.97252	-0.97252	SLV 1	-0.5553	-0.5553
2156	SLU 51	-1.2139	-1.2139	SLU 2	-0.67557	-0.67557
2157	SLU 52	-1.3763	-1.3763	SLU 1	-0.77706	-0.77706
2158	SLU 51	-1.19937	-1.19937	SLU 2	-0.66762	-0.66762
2159	SLU 52	-1.2156	-1.2156	SLV 13	-0.69048	-0.69048
2160	SLU 51	-1.2415	-1.2415	SLU 2	-0.71011	-0.71011
2161	SLU 52	-1.22703	-1.22703	SLU 1	-0.70985	-0.70985
2162	SLU 52	-1.20125	-1.20125	SLV 13	-0.65753	-0.65753
2163	SLU 52	-1.31468	-1.31468	SLU 1	-0.74259	-0.74259
2164	SLU 51	-1.24292	-1.24292	SLU 2	-0.708	-0.708
2165	SLU 52	-0.97591	-0.97591	SLV 1	-0.55642	-0.55642
2166	SLU 51	-1.22454	-1.22454	SLU 2	-0.68139	-0.68139
2167	SLU 52	-0.98003	-0.98003	SLV 1	-0.55808	-0.55808
2168	SLU 51	-1.24236	-1.24236	SLU 2	-0.70908	-0.70908
2169	SLU 51	-1.40547	-1.40547	SLU 2	-0.77743	-0.77743
2170	SLU 52	-1.32629	-1.32629	SLU 1	-0.74894	-0.74894
2171	SLU 51	-1.3616	-1.3616	SLU 2	-0.75253	-0.75253
2172	SLU 52	-1.33782	-1.33782	SLU 1	-0.75534	-0.75534
2173	SLU 52	-0.98557	-0.98557	SLV 1	-0.56099	-0.56099
2174	SLU 51	-1.39038	-1.39038	SLU 2	-0.76825	-0.76825
2175	SLU 51	-1.1782	-1.1782	SLU 2	-0.65608	-0.65608
2176	SLU 51	-1.23343	-1.23343	SLU 2	-0.68622	-0.68622
2177	SLU 51	-1.2638	-1.2638	SLU 2	-0.70231	-0.70231
2178	SLU 52	-1.20573	-1.20573	SLV 13	-0.66619	-0.66619
2179	SLU 51	-1.08494	-1.08494	SLU 2	-0.60444	-0.60444
2180	SLU 52	-0.99275	-0.99275	SLV 1	-0.56571	-0.56571
2181	SLU 52	-1.18855	-1.18855	SLV 13	-0.62629	-0.62629
2182	SLU 52	-1.34844	-1.34844	SLU 1	-0.76135	-0.76135

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
2183	SLU 52	-1.36675	-1.36675	SLU 1	-0.77175	-0.77175
2184	SLU 51	-1.25196	-1.25196	SLU 2	-0.69609	-0.69609
2185	SLU 51	-1.24199	-1.24199	SLU 2	-0.69081	-0.69081
2186	SLU 51	-1.36674	-1.36674	SLU 2	-0.75525	-0.75525
2187	SLU 52	-1.0011	-1.0011	SLV 1	-0.57224	-0.57224
2188	SLU 52	-1.22925	-1.22925	SLU 1	-0.71009	-0.71009
2189	SLU 50	-1.17497	-1.17497	SLV 13	-0.58987	-0.58987
2190	SLU 51	-1.42414	-1.42414	SLU 2	-0.79203	-0.79203
2191	SLU 51	-1.42755	-1.42755	SLU 2	-0.79605	-0.79605
2192	SLU 51	-1.42953	-1.42953	SLU 2	-0.79956	-0.79956
2193	SLU 51	-1.43003	-1.43003	SLU 2	-0.80229	-0.80229
2194	SLU 51	-1.41934	-1.41934	SLU 2	-0.78762	-0.78762
2195	SLU 51	-1.37315	-1.37315	SLU 2	-0.75873	-0.75873
2196	SLU 52	-1.21947	-1.21947	SLV 13	-0.69788	-0.69788
2197	SLU 51	-1.42902	-1.42902	SLU 2	-0.80405	-0.80405
2198	SLU 52	-1.00985	-1.00985	SLU 1	-0.57936	-0.57936
2199	SLU 51	-1.10682	-1.10682	SLU 2	-0.61684	-0.61684
2200	SLU 52	-1.35755	-1.35755	SLU 1	-0.7666	-0.7666
2201	SLU 50	-1.16891	-1.16891	SLV 13	-0.57008	-0.57008
2202	SLU 51	-1.42661	-1.42661	SLU 2	-0.80471	-0.80471
2203	SLU 51	-1.41246	-1.41246	SLU 2	-0.78244	-0.78244
2204	SLU 51	-1.09571	-1.09571	SLU 2	-0.61061	-0.61061
2205	SLU 52	-1.19796	-1.19796	SLV 13	-0.64174	-0.64174
2206	SLU 52	-1.23107	-1.23107	SLU 1	-0.71005	-0.71005
2207	SLU 52	-1.21077	-1.21077	SLV 13	-0.67365	-0.67365
2208	SLU 51	-1.38137	-1.38137	SLU 2	-0.76334	-0.76334
2209	SLU 52	-1.01807	-1.01807	SLU 1	-0.58461	-0.58461
2210	SLU 52	-1.42323	-1.42323	SLU 1	-0.80441	-0.80441
2211	SLU 51	-1.11818	-1.11818	SLU 2	-0.62316	-0.62316
2212	SLU 52	-1.22242	-1.22242	SLV 13	-0.70487	-0.70487
2213	SLU 52	-1.23254	-1.23254	SLU 1	-0.7098	-0.7098
2214	SLU 52	-1.41919	-1.41919	SLU 1	-0.802	-0.802
2215	SLU 52	-1.20318	-1.20318	SLV 13	-0.65066	-0.65066
2216	SLU 51	-1.06239	-1.06239	SLU 2	-0.59163	-0.59163
2217	SLU 51	-1.06672	-1.06672	SLU 2	-0.59407	-0.59407
2218	SLU 51	-1.05813	-1.05813	SLU 2	-0.58927	-0.58927
2219	SLU 51	-1.05395	-1.05395	SLU 2	-0.58702	-0.58702
2220	SLU 51	-1.07156	-1.07156	SLU 2	-0.59685	-0.59685
2221	SLU 52	-1.41381	-1.41381	SLU 1	-0.79887	-0.79887
2222	SLU 51	-1.04282	-1.04282	SLU 2	-0.58737	-0.58737
2223	SLU 51	-1.04981	-1.04981	SLU 2	-0.58486	-0.58486
2224	SLU 51	-1.04155	-1.04155	SLU 2	-0.58513	-0.58513
2225	SLU 51	-1.13372	-1.13372	SLU 2	-0.63172	-0.63172
2226	SLU 51	-1.04392	-1.04392	SLU 2	-0.58991	-0.58991
2227	SLU 52	-1.02539	-1.02539	SLU 1	-0.58953	-0.58953
2228	SLU 51	-1.04456	-1.04456	SLU 2	-0.59256	-0.59256
2229	SLU 51	-1.07701	-1.07701	SLU 2	-0.60001	-0.60001
2230	SLU 51	-1.04598	-1.04598	SLU 2	-0.58293	-0.58293
2231	SLU 51	-1.08802	-1.08802	SLU 2	-0.6063	-0.6063
2232	SLU 51	-1.04449	-1.04449	SLU 2	-0.59508	-0.59508
2233	SLU 51	-1.04036	-1.04036	SLU 2	-0.58329	-0.58329
2234	SLU 51	-1.04358	-1.04358	SLU 2	-0.59719	-0.59719
2235	SLU 52	-1.29919	-1.29919	SLU 1	-0.73437	-0.73437
2236	SLU 52	-1.40708	-1.40708	SLU 1	-0.79503	-0.79503
2237	SLU 51	-1.04179	-1.04179	SLU 2	-0.59875	-0.59875
2238	SLU 52	-1.23358	-1.23358	SLU 1	-0.70932	-0.70932
2239	SLU 51	-1.04279	-1.04279	SLU 2	-0.58144	-0.58144
2240	SLU 52	-1.21498	-1.21498	SLV 13	-0.68034	-0.68034
2241	SLU 52	-1.20736	-1.20736	SLV 13	-0.6579	-0.6579
2242	SLU 51	-1.08183	-1.08183	SLU 2	-0.60279	-0.60279
2243	SLU 51	-1.03941	-1.03941	SLU 2	-0.58185	-0.58185
2244	SLU 51	-1.14962	-1.14962	SLU 2	-0.64043	-0.64043
2245	SLU 52	-1.28932	-1.28932	SLU 1	-0.72913	-0.72913
2246	SLU 52	-1.03154	-1.03154	SLU 1	-0.59392	-0.59392
2247	SLU 52	-1.22462	-1.22462	SLU 1	-0.7092	-0.7092
2248	SLU 51	-1.03911	-1.03911	SLU 2	-0.59962	-0.59962
2249	SLU 52	-1.39893	-1.39893	SLU 1	-0.79043	-0.79043
2250	SLU 52	-1.27747	-1.27747	SLU 1	-0.72291	-0.72291
2251	SLU 50	-1.18918	-1.18918	SLV 13	-0.60385	-0.60385
2252	SLU 51	-1.04048	-1.04048	SLU 2	-0.58054	-0.58054
2253	SLU 52	-1.26559	-1.26559	SLU 1	-0.7168	-0.7168
2254	SLU 52	-1.2471	-1.2471	SLU 1	-0.70774	-0.70774
2255	SLU 52	-1.25524	-1.25524	SLU 1	-0.71162	-0.71162
2256	SLU 51	-1.24161	-1.24161	SLU 2	-0.70493	-0.70493
2257	SLU 51	-1.23854	-1.23854	SLU 2	-0.7035	-0.7035
2258	SLU 51	-1.29757	-1.29757	SLU 2	-0.7198	-0.7198
2259	SLU 52	-1.03621	-1.03621	SLU 1	-0.59756	-0.59756
2260	SLU 51	-1.23723	-1.23723	SLU 2	-0.70334	-0.70334
2261	SLU 52	-1.23417	-1.23417	SLU 1	-0.70858	-0.70858
2262	SLU 51	-1.03911	-1.03911	SLU 2	-0.58028	-0.58028
2263	SLU 51	-1.39686	-1.39686	SLU 2	-0.77275	-0.77275
2264	SLU 51	-1.16189	-1.16189	SLU 2	-0.64711	-0.64711
2265	SLU 51	-1.40344	-1.40344	SLU 2	-0.77686	-0.77686
2266	SLU 51	-1.3079	-1.3079	SLU 2	-0.72515	-0.72515
2267	SLU 51	-1.33129	-1.33129	SLU 2	-0.73719	-0.73719
2268	SLU 51	-1.32058	-1.32058	SLU 2	-0.73169	-0.73169
2269	SLU 51	-1.39003	-1.39003	SLU 2	-0.7687	-0.7687
2270	SLU 50	-1.04394	-1.04394	SLU 4	-0.59241	-0.59241
2271	SLU 51	-1.33979	-1.33979	SLU 2	-0.74155	-0.74155
2272	SLU 51	-1.23637	-1.23637	SLU 2	-0.70381	-0.70381
2273	SLU 52	-1.38958	-1.38958	SLU 1	-0.78521	-0.78521
2274	SLU 51	-1.286	-1.286	SLU 2	-0.7138	-0.7138
2275	SLU 51	-1.23492	-1.23492	SLU 2	-0.70729	-0.70729
2276	SLU 52	-1.22622	-1.22622	SLU 1	-0.709	-0.709
2277	SLU 51	-1.40847	-1.40847	SLU 2	-0.78022	-0.78022
2278	SLU 51	-1.03868	-1.03868	SLU 2	-0.58079	-0.58079
2279	SLU 52	-1.21133	-1.21133	SLV 13	-0.66385	-0.66385
2280	SLU 51	-1.34626	-1.34626	SLU 2	-0.74487	-0.74487
2281	SLU 52	-1.21834	-1.21834	SLV 13	-0.68787	-0.68787

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
2282	SLU 50	-1.0235	-1.0235	SLU 4	-0.58222	-0.58222
2283	SLU 51	-1.38452	-1.38452	SLU 2	-0.76554	-0.76554
2284	SLU 51	-1.23595	-1.23595	SLU 2	-0.70479	-0.70479
2285	SLU 51	-1.23553	-1.23553	SLU 2	-0.70601	-0.70601
2286	SLU 52	-1.20602	-1.20602	SLV 13	-0.64473	-0.64473
2287	SLU 50	-1.00358	-1.00358	SLU 4	-0.57232	-0.57232
2288	SLU 51	-1.35181	-1.35181	SLU 2	-0.74775	-0.74775
2289	SLU 52	-1.37905	-1.37905	SLU 1	-0.77927	-0.77927
2290	SLU 52	-1.19811	-1.19811	SLV 13	-0.61808	-0.61808
2291	SLU 51	-1.10314	-1.10314	SLU 2	-0.61484	-0.61484
2292	SLU 52	-0.98599	-0.98599	SLU 1	-0.56321	-0.56321
2293	SLU 52	-1.22743	-1.22743	SLU 1	-0.70853	-0.70853
2294	SLU 51	-1.35708	-1.35708	SLU 2	-0.75054	-0.75054
2295	SLU 52	-0.97166	-0.97166	SLU 1	-0.55558	-0.55558
2296	SLU 52	-1.20908	-1.20908	SLV 13	-0.65004	-0.65004
2297	SLU 52	-0.96165	-0.96165	SLV 1	-0.54928	-0.54928
2298	SLU 52	-1.22067	-1.22067	SLV 13	-0.69498	-0.69498
2299	SLU 51	-1.43414	-1.43414	SLU 2	-0.80935	-0.80935
2300	SLU 52	-1.36871	-1.36871	SLU 1	-0.77345	-0.77345
2301	SLU 51	-1.36294	-1.36294	SLU 2	-0.7537	-0.7537
2302	SLU 51	-1.43138	-1.43138	SLU 2	-0.80986	-0.80986
2303	SLU 51	-1.27455	-1.27455	SLU 2	-0.70782	-0.70782
2304	SLU 52	-0.95628	-0.95628	SLV 1	-0.54506	-0.54506
2305	SLU 51	-1.43542	-1.43542	SLU 2	-0.80754	-0.80754
2306	SLU 51	-1.43477	-1.43477	SLU 2	-0.80433	-0.80433
2307	SLU 51	-1.0945	-1.0945	SLU 2	-0.61004	-0.61004
2308	SLU 51	-1.42753	-1.42753	SLU 2	-0.79518	-0.79518
2309	SLU 52	-1.42826	-1.42826	SLU 1	-0.80803	-0.80803
2310	SLU 52	-0.95493	-0.95493	SLV 1	-0.54299	-0.54299
2311	SLU 51	-1.43215	-1.43215	SLU 2	-0.80013	-0.80013
2312	SLU 51	-1.42184	-1.42184	SLU 2	-0.79022	-0.79022
2313	SLU 52	-1.22833	-1.22833	SLU 1	-0.7079	-0.7079
2314	SLU 52	-1.42395	-1.42395	SLU 1	-0.8054	-0.8054
2315	SLU 51	-1.36938	-1.36938	SLU 2	-0.75726	-0.75726
2316	SLU 52	-0.95654	-0.95654	SLV 1	-0.54253	-0.54253
2317	SLU 52	-1.30307	-1.30307	SLU 1	-0.73655	-0.73655
2318	SLU 52	-1.20604	-1.20604	SLV 13	-0.6329	-0.6329
2319	SLU 52	-0.95985	-0.95985	SLV 1	-0.54299	-0.54299
2320	SLU 51	-1.04182	-1.04182	SLU 2	-0.58606	-0.58606
2321	SLU 52	-1.41838	-1.41838	SLU 1	-0.80214	-0.80214
2322	SLU 51	-1.04033	-1.04033	SLU 2	-0.58395	-0.58395
2323	SLU 52	-1.21203	-1.21203	SLV 13	-0.65516	-0.65516
2324	SLU 51	-1.04347	-1.04347	SLU 2	-0.58868	-0.58868
2325	SLU 52	-0.9638	-0.9638	SLV 1	-0.54373	-0.54373
2326	SLU 51	-1.41535	-1.41535	SLU 2	-0.78536	-0.78536
2327	SLU 51	-1.03917	-1.03917	SLU 2	-0.58238	-0.58238
2328	SLU 51	-1.25988	-1.25988	SLU 2	-0.70013	-0.70013
2329	SLU 51	-1.08581	-1.08581	SLU 2	-0.60519	-0.60519
2330	SLU 52	-1.21511	-1.21511	SLV 13	-0.66795	-0.66795
2331	SLU 52	-0.96788	-0.96788	SLV 1	-0.54445	-0.54445
2332	SLU 51	-1.37652	-1.37652	SLU 2	-0.76132	-0.76132
2333	SLU 51	-1.04502	-1.04502	SLU 2	-0.59177	-0.59177
2334	SLU 52	-1.31856	-1.31856	SLU 1	-0.74507	-0.74507
2335	SLU 52	-1.22889	-1.22889	SLU 1	-0.70715	-0.70715
2336	SLU 52	-1.2222	-1.2222	SLV 13	-0.70158	-0.70158
2337	SLU 51	-1.03849	-1.03849	SLU 2	-0.58143	-0.58143
2338	SLU 51	-1.20538	-1.20538	SLU 2	-0.67077	-0.67077
2339	SLU 52	-0.97222	-0.97222	SLV 1	-0.5453	-0.5453
2340	SLU 51	-1.21667	-1.21667	SLU 2	-0.67696	-0.67696
2341	SLU 52	-1.41167	-1.41167	SLU 1	-0.79828	-0.79828
2342	SLU 51	-1.19161	-1.19161	SLU 2	-0.66324	-0.66324
2343	SLU 51	-1.24721	-1.24721	SLU 2	-0.69343	-0.69343
2344	SLU 51	-1.0669	-1.0669	SLU 2	-0.59449	-0.59449
2345	SLU 51	-1.05773	-1.05773	SLU 2	-0.58933	-0.58933
2346	SLU 51	-1.06203	-1.06203	SLU 2	-0.59173	-0.59173
2347	SLU 52	-0.97731	-0.97731	SLV 1	-0.54678	-0.54678
2348	SLU 51	-1.07231	-1.07231	SLU 2	-0.59757	-0.59757
2349	SLU 51	-1.0784	-1.0784	SLU 2	-0.60103	-0.60103
2350	SLU 51	-1.05366	-1.05366	SLU 2	-0.5871	-0.5871
2351	SLU 51	-1.22656	-1.22656	SLU 2	-0.68235	-0.68235
2352	SLU 52	-1.33204	-1.33204	SLU 1	-0.75263	-0.75263
2353	SLU 51	-1.04618	-1.04618	SLU 2	-0.59521	-0.59521
2354	SLU 51	-1.04986	-1.04986	SLU 2	-0.58508	-0.58508
2355	SLU 51	-1.23639	-1.23639	SLU 2	-0.68765	-0.68765
2356	SLU 52	-0.98365	-0.98365	SLV 1	-0.54947	-0.54947
2357	SLU 51	-1.04626	-1.04626	SLU 2	-0.58323	-0.58323
2358	SLU 51	-1.04656	-1.04656	SLU 2	-0.59863	-0.59863
2359	SLU 52	-0.99139	-0.99139	SLV 1	-0.5539	-0.5539
2360	SLU 51	-1.0431	-1.0431	SLU 2	-0.58169	-0.58169
2361	SLU 51	-1.29274	-1.29274	SLU 2	-0.71729	-0.71729
2362	SLU 52	-1.34479	-1.34479	SLU 1	-0.7599	-0.7599
2363	SLU 51	-1.046	-1.046	SLU 2	-0.60157	-0.60157
2364	SLU 51	-1.04055	-1.04055	SLU 2	-0.58058	-0.58058
2365	SLU 51	-1.17462	-1.17462	SLU 2	-0.65397	-0.65397
2366	SLU 52	-1.00026	-1.00026	SLV 1	-0.56017	-0.56017
2367	SLU 51	-1.4095	-1.4095	SLU 2	-0.78148	-0.78148
2368	SLU 52	-1.21419	-1.21419	SLV 13	-0.65854	-0.65854
2369	SLU 52	-1.2109	-1.2109	SLV 13	-0.64157	-0.64157
2370	SLU 52	-1.40392	-1.40392	SLU 1	-0.79391	-0.79391
2371	SLU 51	-1.03878	-1.03878	SLU 2	-0.57999	-0.57999
2372	SLU 51	-1.38268	-1.38268	SLU 2	-0.76499	-0.76499
2373	SLU 51	-1.0445	-1.0445	SLU 2	-0.60374	-0.60374
2374	SLU 51	-1.40321	-1.40321	SLU 2	-0.77741	-0.77741
2375	SLU 52	-1.00972	-1.00972	SLV 1	-0.56857	-0.56857
2376	SLU 52	-1.35807	-1.35807	SLU 1	-0.76756	-0.76756
2377	SLU 50	-1.19661	-1.19661	SLV 13	-0.57838	-0.57838
2378	SLU 52	-1.28657	-1.28657	SLU 1	-0.72771	-0.72771
2379	SLU 51	-1.39626	-1.39626	SLU 2	-0.77308	-0.77308
2380	SLU 50	-1.19297	-1.19297	SLV 13	-0.56192	-0.56192

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
2381	SLU 51	-1.10908	-1.10908	SLU 2	-0.61816	-0.61816
2382	SLU 51	-1.28507	-1.28507	SLU 2	-0.71329	-0.71329
2383	SLU 51	-1.38922	-1.38922	SLU 2	-0.76886	-0.76886
2384	SLU 52	-1.21776	-1.21776	SLV 13	-0.67663	-0.67663
2385	SLU 52	-1.2231	-1.2231	SLV 13	-0.70751	-0.70751
2386	SLU 51	-1.03781	-1.03781	SLU 2	-0.57996	-0.57996
2387	SLU 52	-1.22856	-1.22856	SLU 1	-0.70593	-0.70593
2388	SLU 52	-1.27337	-1.27337	SLU 1	-0.72072	-0.72072
2389	SLU 51	-1.12658	-1.12658	SLU 2	-0.62777	-0.62777
2390	SLU 52	-1.04326	-1.04326	SLU 1	-0.60304	-0.60304
2391	SLU 52	-1.01901	-1.01901	SLV 1	-0.57873	-0.57873
2392	SLU 51	-1.1587	-1.1587	SLU 2	-0.64528	-0.64528
2393	SLU 52	-1.26127	-1.26127	SLU 1	-0.71444	-0.71444
2394	SLU 50	-1.20181	-1.20181	SLV 13	-0.59186	-0.59186
2395	SLU 51	-1.14318	-1.14318	SLU 2	-0.63683	-0.63683
2396	SLU 52	-1.25062	-1.25062	SLU 1	-0.70907	-0.70907
2397	SLU 51	-1.03763	-1.03763	SLU 2	-0.58053	-0.58053
2398	SLU 52	-1.24214	-1.24214	SLU 1	-0.70498	-0.70498
2399	SLU 52	-1.21366	-1.21366	SLV 13	-0.64723	-0.64723
2400	SLU 52	-1.23605	-1.23605	SLU 1	-0.7023	-0.7023
2401	SLU 51	-1.23239	-1.23239	SLU 2	-0.70088	-0.70088
2402	SLU 52	-1.22869	-1.22869	SLU 1	-0.70468	-0.70468
2403	SLU 52	-1.02766	-1.02766	SLV 1	-0.59092	-0.59092
2404	SLU 51	-1.23064	-1.23064	SLU 2	-0.70045	-0.70045
2405	SLU 52	-1.22377	-1.22377	SLU 1	-0.70697	-0.70697
2406	SLU 52	-1.21164	-1.21164	SLV 13	-0.63062	-0.63062
2407	SLU 51	-1.22988	-1.22988	SLU 2	-0.70092	-0.70092
2408	SLU 52	-1.2192	-1.2192	SLV 13	-0.68381	-0.68381
2409	SLU 51	-1.22911	-1.22911	SLU 2	-0.70326	-0.70326
2410	SLU 52	-1.20734	-1.20734	SLV 13	-0.6066	-0.6066
2411	SLU 51	-1.22951	-1.22951	SLU 2	-0.70195	-0.70195
2412	SLU 52	-1.39523	-1.39523	SLU 1	-0.78911	-0.78911
2413	SLU 52	-1.0352	-1.0352	SLU 1	-0.5965	-0.5965
2414	SLU 52	-1.38268	-1.38268	SLU 1	-0.78189	-0.78189
2415	SLU 51	-1.03801	-1.03801	SLU 2	-0.5815	-0.5815
2416	SLU 52	-1.43391	-1.43391	SLU 1	-0.81185	-0.81185
2417	SLU 51	-1.33425	-1.33425	SLU 2	-0.73888	-0.73888
2418	SLU 51	-1.32513	-1.32513	SLU 2	-0.73414	-0.73414
2419	SLU 52	-1.22445	-1.22445	SLU 1	-0.7061	-0.7061
2420	SLU 52	-1.43735	-1.43735	SLU 1	-0.81416	-0.81416
2421	SLU 51	-1.31346	-1.31346	SLU 2	-0.72808	-0.72808
2422	SLU 52	-1.21561	-1.21561	SLV 13	-0.65199	-0.65199
2423	SLU 52	-1.42932	-1.42932	SLU 1	-0.80903	-0.80903
2424	SLU 51	-1.34147	-1.34147	SLU 2	-0.74266	-0.74266
2425	SLU 52	-1.22536	-1.22536	SLU 1	-0.70558	-0.70558
2426	SLU 51	-1.03896	-1.03896	SLU 2	-0.58282	-0.58282
2427	SLU 52	-1.21083	-1.21083	SLV 13	-0.61831	-0.61831
2428	SLU 51	-1.29757	-1.29757	SLU 2	-0.71981	-0.71981
2429	SLU 51	-1.43972	-1.43972	SLU 2	-0.81523	-0.81523
2430	SLU 51	-1.04043	-1.04043	SLU 2	-0.58467	-0.58467
2431	SLU 52	-1.37256	-1.37256	SLU 1	-0.77611	-0.77611
2432	SLU 51	-1.09443	-1.09443	SLU 2	-0.6101	-0.6101
2433	SLU 51	-1.34773	-1.34773	SLU 2	-0.74598	-0.74598
2434	SLU 52	-1.42355	-1.42355	SLU 1	-0.80562	-0.80562
2435	SLU 52	-1.21392	-1.21392	SLV 13	-0.63498	-0.63498
2436	SLU 51	-1.04227	-1.04227	SLU 2	-0.58705	-0.58705
2437	SLU 52	-1.04173	-1.04173	SLU 1	-0.60129	-0.60129
2438	SLU 51	-1.44153	-1.44153	SLU 2	-0.81346	-0.81346
2439	SLU 51	-1.35375	-1.35375	SLU 2	-0.74922	-0.74922
2440	SLU 51	-1.04436	-1.04436	SLU 2	-0.59005	-0.59005
2441	SLU 52	-1.41687	-1.41687	SLU 1	-0.80175	-0.80175
2442	SLU 52	-1.21683	-1.21683	SLV 9	-0.6578	-0.6578
2443	SLU 51	-1.36004	-1.36004	SLU 2	-0.75268	-0.75268
2444	SLU 52	-1.36517	-1.36517	SLU 1	-0.7719	-0.7719
2445	SLU 51	-1.43178	-1.43178	SLU 2	-0.7987	-0.7987
2446	SLU 51	-1.44114	-1.44114	SLU 2	-0.80993	-0.80993
2447	SLU 51	-1.04646	-1.04646	SLU 2	-0.5937	-0.5937
2448	SLU 52	-1.21979	-1.21979	SLV 9	-0.68774	-0.68774
2449	SLU 50	-1.03892	-1.03892	SLU 4	-0.58882	-0.58882
2450	SLU 51	-1.42539	-1.42539	SLU 2	-0.79334	-0.79334
2451	SLU 51	-1.08376	-1.08376	SLU 2	-0.6042	-0.6042
2452	SLU 52	-1.40978	-1.40978	SLU 1	-0.7977	-0.7977
2453	SLU 51	-1.36683	-1.36683	SLU 2	-0.75648	-0.75648
2454	SLU 50	-1.01921	-1.01921	SLU 4	-0.57907	-0.57907
2455	SLU 52	-1.21595	-1.21595	SLV 9	-0.63853	-0.63853
2456	SLU 51	-1.41824	-1.41824	SLU 2	-0.78804	-0.78804
2457	SLU 51	-1.04827	-1.04827	SLU 2	-0.59806	-0.59806
2458	SLU 52	-1.2144	-1.2144	SLV 9	-0.62245	-0.62245
2459	SLU 51	-1.07542	-1.07542	SLU 2	-0.59955	-0.59955
2460	SLU 51	-1.06875	-1.06875	SLU 2	-0.59582	-0.59582
2461	SLU 51	-1.37413	-1.37413	SLU 2	-0.76065	-0.76065
2462	SLU 51	-1.0632	-1.0632	SLU 2	-0.5927	-0.5927
2463	SLU 51	-1.05843	-1.05843	SLU 2	-0.59003	-0.59003
2464	SLU 51	-1.0542	-1.0542	SLU 2	-0.58771	-0.58771
2465	SLU 51	-1.04908	-1.04908	SLU 2	-0.60255	-0.60255
2466	SLU 51	-1.0503	-1.0503	SLU 2	-0.58561	-0.58561
2467	SLU 51	-1.04676	-1.04676	SLU 2	-0.58377	-0.58377
2468	SLU 50	-0.99992	-0.99992	SLV 1	-0.56899	-0.56899
2469	SLU 51	-1.43834	-1.43834	SLU 2	-0.80514	-0.80514
2470	SLU 51	-1.04353	-1.04353	SLU 2	-0.58216	-0.58216
2471	SLU 51	-1.41117	-1.41117	SLU 2	-0.78324	-0.78324
2472	SLU 51	-1.04876	-1.04876	SLU 2	-0.60632	-0.60632
2473	SLU 51	-1.04079	-1.04079	SLU 2	-0.58088	-0.58088
2474	SLU 52	-1.21782	-1.21782	SLV 9	-0.66259	-0.66259
2475	SLU 52	-1.40379	-1.40379	SLU 1	-0.79431	-0.79431
2476	SLU 51	-1.03867	-1.03867	SLU 2	-0.58004	-0.58004
2477	SLU 51	-1.40388	-1.40388	SLU 2	-0.77852	-0.77852
2478	SLU 51	-1.38145	-1.38145	SLU 2	-0.76493	-0.76493
2479	SLU 52	-0.98278	-0.98278	SLV 1	-0.55859	-0.55859

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
2480	SLU 51	-1.39641	-1.39641	SLU 2	-0.77388	-0.77388
2481	SLU 52	-1.04835	-1.04835	SLU 1	-0.60718	-0.60718
2482	SLU 51	-1.03728	-1.03728	SLU 2	-0.57969	-0.57969
2483	SLU 51	-1.38885	-1.38885	SLU 2	-0.76932	-0.76932
2484	SLU 52	-1.21991	-1.21991	SLV 9	-0.69147	-0.69147
2485	SLU 52	-0.96878	-0.96878	SLV 1	-0.54962	-0.54962
2486	SLU 51	-1.03666	-1.03666	SLU 2	-0.57987	-0.57987
2487	SLU 52	-1.04759	-1.04759	SLU 1	-0.60583	-0.60583
2488	SLU 52	-1.2166	-1.2166	SLV 9	-0.62574	-0.62574
2489	SLU 52	-1.21743	-1.21743	SLV 9	-0.64078	-0.64078
2490	SLU 52	-0.95894	-0.95894	SLV 1	-0.54272	-0.54272
2491	SLU 51	-1.27745	-1.27745	SLU 2	-0.7093	-0.7093
2492	SLU 52	-1.2153	-1.2153	SLV 9	-0.60734	-0.60734
2493	SLU 52	-0.95359	-0.95359	SLV 1	-0.5381	-0.5381
2494	SLU 51	-1.03677	-1.03677	SLU 2	-0.58059	-0.58059
2495	SLU 52	-1.04637	-1.04637	SLU 1	-0.60452	-0.60452
2496	SLU 52	-0.95219	-0.95219	SLV 1	-0.53551	-0.53551
2497	SLU 52	-1.2229	-1.2229	SLU 1	-0.70355	-0.70355
2498	SLU 51	-1.0375	-1.0375	SLU 2	-0.58177	-0.58177
2499	SLU 52	-0.95375	-0.95375	SLV 1	-0.53443	-0.53443
2500	SLU 52	-1.43969	-1.43969	SLU 1	-0.81558	-0.81558
2501	SLU 52	-1.22009	-1.22009	SLV 9	-0.6961	-0.6961
2502	SLU 52	-1.4431	-1.4431	SLU 1	-0.81787	-0.81787
2503	SLU 52	-1.43496	-1.43496	SLU 1	-0.81268	-0.81268
2504	SLU 52	-0.95711	-0.95711	SLV 1	-0.53422	-0.53422
2505	SLU 51	-1.03879	-1.03879	SLU 2	-0.58337	-0.58337
2506	SLU 51	-1.25804	-1.25804	SLU 2	-0.69908	-0.69908
2507	SLU 52	-1.2702	-1.2702	SLU 1	-0.71898	-0.71898
2508	SLU 52	-1.21794	-1.21794	SLV 9	-0.66587	-0.66587
2509	SLU 51	-1.04058	-1.04058	SLU 2	-0.58546	-0.58546
2510	SLU 52	-0.96126	-0.96126	SLV 1	-0.53429	-0.53429
2511	SLU 52	-1.25816	-1.25816	SLU 1	-0.71269	-0.71269
2512	SLU 52	-1.42895	-1.42895	SLU 1	-0.80913	-0.80913
2513	SLU 52	-1.21837	-1.21837	SLV 9	-0.62701	-0.62701
2514	SLU 52	-1.21761	-1.21761	SLV 9	-0.61105	-0.61105
2515	SLU 52	-1.22079	-1.22079	SLV 9	-0.70249	-0.70249
2516	SLU 51	-1.04277	-1.04277	SLU 2	-0.58808	-0.58808
2517	SLU 52	-0.96572	-0.96572	SLV 1	-0.53438	-0.53438
2518	SLU 52	-1.29936	-1.29936	SLU 1	-0.73468	-0.73468
2519	SLU 51	-1.24369	-1.24369	SLU 2	-0.69145	-0.69145
2520	SLU 52	-1.24706	-1.24706	SLU 1	-0.70703	-0.70703
2521	SLU 50	-1.21475	-1.21475	SLV 9	-0.57474	-0.57474
2522	SLU 52	-1.31498	-1.31498	SLU 1	-0.74334	-0.74334
2523	SLU 52	-1.42209	-1.42209	SLU 1	-0.80515	-0.80515
2524	SLU 52	-0.97052	-0.97052	SLV 1	-0.53461	-0.53461
2525	SLU 51	-1.21192	-1.21192	SLU 2	-0.67418	-0.67418
2526	SLU 51	-1.20065	-1.20065	SLU 2	-0.66799	-0.66799
2527	SLU 51	-1.23221	-1.23221	SLU 2	-0.68527	-0.68527
2528	SLU 51	-1.22207	-1.22207	SLU 2	-0.67975	-0.67975
2529	SLU 52	-1.22327	-1.22327	SLU 1	-0.70198	-0.70198
2530	SLU 52	-1.28271	-1.28271	SLU 1	-0.72565	-0.72565
2531	SLU 51	-1.18724	-1.18724	SLU 2	-0.66066	-0.66066
2532	SLU 52	-1.44616	-1.44616	SLU 1	-0.82022	-0.82022
2533	SLU 52	-0.97611	-0.97611	SLV 1	-0.53548	-0.53548
2534	SLU 52	-1.21867	-1.21867	SLV 9	-0.61719	-0.61719
2535	SLU 51	-1.04527	-1.04527	SLU 2	-0.59133	-0.59133
2536	SLU 52	-1.23801	-1.23801	SLU 1	-0.7026	-0.7026
2537	SLU 52	-1.32962	-1.32962	SLU 1	-0.75162	-0.75162
2538	SLU 52	-1.21847	-1.21847	SLV 9	-0.64065	-0.64065
2539	SLU 52	-0.98297	-0.98297	SLV 1	-0.53757	-0.53757
2540	SLU 51	-1.17147	-1.17147	SLU 2	-0.65208	-0.65208
2541	SLU 52	-0.9913	-0.9913	SLV 1	-0.54147	-0.54147
2542	SLU 52	-1.23147	-1.23147	SLU 1	-0.69967	-0.69967
2543	SLU 52	-1.34348	-1.34348	SLU 1	-0.75959	-0.75959
2544	SLU 51	-1.13898	-1.13898	SLU 2	-0.63447	-0.63447
2545	SLU 51	-1.12269	-1.12269	SLU 2	-0.62563	-0.62563
2546	SLU 52	-1.00091	-1.00091	SLV 1	-0.54751	-0.54751
2547	SLU 52	-1.38546	-1.38546	SLU 1	-0.78395	-0.78395
2548	SLU 52	-1.36582	-1.36582	SLU 1	-0.77256	-0.77256
2549	SLU 52	-1.21734	-1.21734	SLV 9	-0.58999	-0.58999
2550	SLU 52	-1.22739	-1.22739	SLU 1	-0.69819	-0.69819
2551	SLU 52	-1.37491	-1.37491	SLU 1	-0.77783	-0.77783
2552	SLU 50	-1.21465	-1.21465	SLV 9	-0.55839	-0.55839
2553	SLU 52	-1.41472	-1.41472	SLU 1	-0.80091	-0.80091
2554	SLU 52	-1.397	-1.397	SLU 1	-0.79064	-0.79064
2555	SLU 52	-1.35674	-1.35674	SLU 1	-0.76728	-0.76728
2556	SLU 51	-1.15505	-1.15505	SLU 2	-0.64317	-0.64317
2557	SLU 52	-1.2253	-1.2253	SLU 1	-0.69795	-0.69795
2558	SLU 51	-1.43925	-1.43925	SLU 2	-0.80511	-0.80511
2559	SLU 52	-1.22371	-1.22371	SLU 1	-0.7007	-0.7007
2560	SLU 51	-1.10658	-1.10658	SLU 2	-0.61685	-0.61685
2561	SLU 52	-1.21914	-1.21914	SLV 9	-0.62923	-0.62923
2562	SLU 52	-1.22445	-1.22445	SLU 1	-0.69854	-0.69854
2563	SLU 51	-1.44778	-1.44778	SLU 2	-0.81977	-0.81977
2564	SLU 51	-1.04792	-1.04792	SLU 2	-0.59535	-0.59535
2565	SLU 52	-1.01123	-1.01123	SLV 1	-0.55566	-0.55566
2566	SLU 52	-1.22408	-1.22408	SLU 1	-0.69954	-0.69954
2567	SLU 51	-1.43528	-1.43528	SLU 2	-0.80142	-0.80142
2568	SLU 52	-1.40659	-1.40659	SLU 1	-0.79623	-0.79623
2569	SLU 50	-1.2144	-1.2144	SLV 9	-0.54076	-0.54076
2570	SLU 52	-1.02148	-1.02148	SLV 1	-0.56587	-0.56587
2571	SLU 51	-1.33901	-1.33901	SLU 2	-0.74172	-0.74172
2572	SLU 52	-1.21735	-1.21735	SLV 9	-0.66931	-0.66931
2573	SLU 51	-1.34545	-1.34545	SLU 2	-0.74519	-0.74519
2574	SLU 51	-1.44784	-1.44784	SLU 2	-0.81596	-0.81596
2575	SLU 51	-1.33172	-1.33172	SLU 2	-0.73785	-0.73785
2576	SLU 51	-1.09261	-1.09261	SLU 2	-0.60923	-0.60923
2577	SLU 51	-1.32243	-1.32243	SLU 2	-0.73295	-0.73295
2578	SLU 52	-1.03102	-1.03102	SLV 1	-0.57818	-0.57818

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
2579	SLU 51	-1.35179	-1.35179	SLU 2	-0.74868	-0.74868
2580	SLU 51	-1.31112	-1.31112	SLU 2	-0.72701	-0.72701
2581	SLU 51	-1.05185	-1.05185	SLU 2	-0.60681	-0.60681
2582	SLU 52	-1.03951	-1.03951	SLV 1	-0.59261	-0.59261
2583	SLU 52	-1.05208	-1.05208	SLU 1	-0.61067	-0.61067
2584	SLU 51	-1.35845	-1.35845	SLU 2	-0.75241	-0.75241
2585	SLU 51	-1.42132	-1.42132	SLU 2	-0.79074	-0.79074
2586	SLU 51	-1.0814	-1.0814	SLU 2	-0.60308	-0.60308
2587	SLU 52	-1.05285	-1.05285	SLU 1	-0.60972	-0.60972
2588	SLU 51	-1.06061	-1.06061	SLU 2	-0.59156	-0.59156
2589	SLU 51	-1.06602	-1.06602	SLU 2	-0.59456	-0.59456
2590	SLU 51	-1.0508	-1.0508	SLU 2	-0.60093	-0.60093
2591	SLU 51	-1.41327	-1.41327	SLU 2	-0.78527	-0.78527
2592	SLU 51	-1.42991	-1.42991	SLU 2	-0.79705	-0.79705
2593	SLU 51	-1.36568	-1.36568	SLU 2	-0.75651	-0.75651
2594	SLU 52	-1.04619	-1.04619	SLU 1	-0.60377	-0.60377
2595	SLU 52	-1.05171	-1.05171	SLU 1	-0.60818	-0.60818
2596	SLU 51	-1.29798	-1.29798	SLU 2	-0.72011	-0.72011
2597	SLU 51	-1.05593	-1.05593	SLU 2	-0.58899	-0.58899
2598	SLU 51	-1.05182	-1.05182	SLU 2	-0.58678	-0.58678
2599	SLU 51	-1.40525	-1.40525	SLU 2	-0.78007	-0.78007
2600	SLU 52	-1.4478	-1.4478	SLU 1	-0.82076	-0.82076
2601	SLU 51	-1.3972	-1.3972	SLU 2	-0.77505	-0.77505
2602	SLU 51	-1.4458	-1.4458	SLU 2	-0.81166	-0.81166
2603	SLU 51	-1.04806	-1.04806	SLU 2	-0.58481	-0.58481
2604	SLU 51	-1.07258	-1.07258	SLU 2	-0.59821	-0.59821
2605	SLU 52	-1.04952	-1.04952	SLU 1	-0.60627	-0.60627
2606	SLU 51	-1.04468	-1.04468	SLU 2	-0.5831	-0.5831
2607	SLU 52	-1.2182	-1.2182	SLV 9	-0.64236	-0.64236
2608	SLU 51	-1.04166	-1.04166	SLU 2	-0.58166	-0.58166
2609	SLU 51	-1.37345	-1.37345	SLU 2	-0.76097	-0.76097
2610	SLU 51	-1.3893	-1.3893	SLU 2	-0.77028	-0.77028
2611	SLU 51	-1.03914	-1.03914	SLU 2	-0.58056	-0.58056
2612	SLU 51	-1.38149	-1.38149	SLU 2	-0.76566	-0.76566
2613	SLU 51	-1.03725	-1.03725	SLU 2	-0.57989	-0.57989
2614	SLU 52	-1.22101	-1.22101	SLV 9	-0.61371	-0.61371
2615	SLU 51	-1.0361	-1.0361	SLU 2	-0.57971	-0.57971
2616	SLU 52	-1.44544	-1.44544	SLU 1	-0.81916	-0.81916
2617	SLU 52	-1.22136	-1.22136	SLV 9	-0.59599	-0.59599
2618	SLU 51	-1.03571	-1.03571	SLU 2	-0.58006	-0.58006
2619	SLU 52	-1.21655	-1.21655	SLV 9	-0.67284	-0.67284
2620	SLU 52	-1.44056	-1.44056	SLU 1	-0.8162	-0.8162
2621	SLU 51	-1.03608	-1.03608	SLU 2	-0.58094	-0.58094
2622	SLU 51	-1.2863	-1.2863	SLU 2	-0.71399	-0.71399
2623	SLU 51	-1.03711	-1.03711	SLU 2	-0.58231	-0.58231
2624	SLU 52	-1.43403	-1.43403	SLU 1	-0.81237	-0.81237
2625	SLU 51	-1.03869	-1.03869	SLU 2	-0.5841	-0.5841
2626	SLU 51	-1.04075	-1.04075	SLU 2	-0.58636	-0.58636
2627	SLU 52	-1.42703	-1.42703	SLU 1	-0.8083	-0.8083
2628	SLU 51	-1.04321	-1.04321	SLU 2	-0.58911	-0.58911
2629	SLU 51	-1.44348	-1.44348	SLU 2	-0.80857	-0.80857
2630	SLU 51	-1.04595	-1.04595	SLU 2	-0.59239	-0.59239
2631	SLU 52	-1.26754	-1.26754	SLU 1	-0.7175	-0.7175
2632	SLU 50	-1.03734	-1.03734	SLV 1	-0.58688	-0.58688
2633	SLU 52	-1.2161	-1.2161	SLV 9	-0.67747	-0.67747
2634	SLU 51	-1.04865	-1.04865	SLU 2	-0.59603	-0.59603
2635	SLU 52	-1.22081	-1.22081	SLV 9	-0.61812	-0.61812
2636	SLU 51	-1.43956	-1.43956	SLU 2	-0.80488	-0.80488
2637	SLU 52	-1.42016	-1.42016	SLU 1	-0.80438	-0.80438
2638	SLU 52	-1.21666	-1.21666	SLV 9	-0.64454	-0.64454
2639	SLU 51	-1.05072	-1.05072	SLU 2	-0.59937	-0.59937
2640	SLU 50	-1.01764	-1.01764	SLV 1	-0.57517	-0.57517
2641	SLU 51	-1.43572	-1.43572	SLU 2	-0.80166	-0.80166
2642	SLU 50	-1.22353	-1.22353	SLV 9	-0.55556	-0.55556
2643	SLU 52	-1.36799	-1.36799	SLU 1	-0.77405	-0.77405
2644	SLU 52	-1.45356	-1.45356	SLU 1	-0.82456	-0.82456
2645	SLU 52	-1.41126	-1.41126	SLU 1	-0.79925	-0.79925
2646	SLU 52	-1.2569	-1.2569	SLU 1	-0.71189	-0.71189
2647	SLU 50	-0.99831	-0.99831	SLV 1	-0.56353	-0.56353
2648	SLU 52	-1.21638	-1.21638	SLV 9	-0.68349	-0.68349
2649	SLU 52	-1.45426	-1.45426	SLU 1	-0.8263	-0.8263
2650	SLU 52	-1.21754	-1.21754	SLV 9	-0.69157	-0.69157
2651	SLU 52	-0.98105	-0.98105	SLV 1	-0.55279	-0.55279
2652	SLU 52	-1.37701	-1.37701	SLU 1	-0.77936	-0.77936
2653	SLU 52	-1.05292	-1.05292	SLU 1	-0.60814	-0.60814
2654	SLU 52	-1.24494	-1.24494	SLU 1	-0.70571	-0.70571
2655	SLU 51	-1.45405	-1.45405	SLU 2	-0.82116	-0.82116
2656	SLU 52	-0.96702	-0.96702	SLV 1	-0.54345	-0.54345
2657	SLU 52	-1.40172	-1.40172	SLU 1	-0.79377	-0.79377
2658	SLU 52	-1.38906	-1.38906	SLU 1	-0.78641	-0.78641
2659	SLU 52	-1.45167	-1.45167	SLU 1	-0.82295	-0.82295
2660	SLU 50	-1.22557	-1.22557	SLV 9	-0.56075	-0.56075
2661	SLU 52	-1.05662	-1.05662	SLU 1	-0.61307	-0.61307
2662	SLU 51	-1.05449	-1.05449	SLU 2	-0.6114	-0.6114
2663	SLU 52	-1.2186	-1.2186	SLV 9	-0.69791	-0.69791
2664	SLU 52	-1.05741	-1.05741	SLU 1	-0.612	-0.612
2665	SLU 52	-0.95726	-0.95726	SLV 1	-0.5362	-0.5362
2666	SLU 52	-1.0557	-1.0557	SLU 1	-0.61021	-0.61021
2667	SLU 52	-1.23485	-1.23485	SLU 1	-0.7007	-0.7007
2668	SLU 52	-1.43116	-1.43116	SLU 1	-0.81089	-0.81089
2669	SLU 52	-1.21465	-1.21465	SLV 9	-0.64763	-0.64763
2670	SLU 51	-1.05354	-1.05354	SLU 2	-0.60494	-0.60494
2671	SLU 52	-0.95214	-0.95214	SLV 1	-0.53126	-0.53126
2672	SLU 52	-1.22767	-1.22767	SLU 1	-0.69739	-0.69739
2673	SLU 52	-1.44614	-1.44614	SLU 1	-0.81964	-0.81964
2674	SLU 52	-1.43829	-1.43829	SLU 1	-0.81506	-0.81506
2675	SLU 51	-1.3386	-1.3386	SLU 2	-0.74188	-0.74188
2676	SLU 52	-1.21949	-1.21949	SLU 1	-0.69834	-0.69834
2677	SLU 51	-1.39844	-1.39844	SLU 2	-0.77651	-0.77651

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
2678	SLU 51	-1.34467	-1.34467	SLU 2	-0.74522	-0.74522
2679	SLU 51	-1.13619	-1.13619	SLU 2	-0.63291	-0.63291
2680	SLU 51	-1.45183	-1.45183	SLU 2	-0.81654	-0.81654
2681	SLU 52	-0.95113	-0.95113	SLV 1	-0.52836	-0.52836
2682	SLU 51	-1.12033	-1.12033	SLU 2	-0.62437	-0.62437
2683	SLU 51	-1.3905	-1.3905	SLU 2	-0.77169	-0.77169
2684	SLU 51	-1.41548	-1.41548	SLU 2	-0.78736	-0.78736
2685	SLU 51	-1.40693	-1.40693	SLU 2	-0.78184	-0.78184
2686	SLU 52	-1.22331	-1.22331	SLU 1	-0.69576	-0.69576
2687	SLU 51	-1.42385	-1.42385	SLU 2	-0.79303	-0.79303
2688	SLU 52	-1.22011	-1.22011	SLU 1	-0.69722	-0.69722
2689	SLU 52	-1.22123	-1.22123	SLU 1	-0.69552	-0.69552
2690	SLU 51	-1.43151	-1.43151	SLU 2	-0.79852	-0.79852
2691	SLU 52	-1.22048	-1.22048	SLU 1	-0.69617	-0.69617
2692	SLU 52	-0.95322	-0.95322	SLV 1	-0.52697	-0.52697
2693	SLU 51	-1.06388	-1.06388	SLU 2	-0.59366	-0.59366
2694	SLU 51	-1.05891	-1.05891	SLU 2	-0.59095	-0.59095
2695	SLU 51	-1.35102	-1.35102	SLU 2	-0.74881	-0.74881
2696	SLU 51	-1.10465	-1.10465	SLU 2	-0.6159	-0.6159
2697	SLU 51	-1.04088	-1.04088	SLU 2	-0.5874	-0.5874
2698	SLU 51	-1.0544	-1.0544	SLU 2	-0.58854	-0.58854
2699	SLU 51	-1.03862	-1.03862	SLU 2	-0.58505	-0.58505
2700	SLU 51	-1.0435	-1.0435	SLU 2	-0.58303	-0.58303
2701	SLU 51	-1.05042	-1.05042	SLU 2	-0.58645	-0.58645
2702	SLU 51	-1.0468	-1.0468	SLU 2	-0.58463	-0.58463
2703	SLU 51	-1.04055	-1.04055	SLU 2	-0.5817	-0.5817
2704	SLU 52	-0.9571	-0.9571	SLV 1	-0.5264	-0.5264
2705	SLU 52	-1.21873	-1.21873	SLV 9	-0.61744	-0.61744
2706	SLU 51	-1.03808	-1.03808	SLU 2	-0.5807	-0.5807
2707	SLU 51	-1.03625	-1.03625	SLU 2	-0.58012	-0.58012
2708	SLU 51	-1.03679	-1.03679	SLU 2	-0.58311	-0.58311
2709	SLU 51	-1.04353	-1.04353	SLU 2	-0.59023	-0.59023
2710	SLU 51	-1.03519	-1.03519	SLU 2	-0.58006	-0.58006
2711	SLU 51	-1.03494	-1.03494	SLU 2	-0.58054	-0.58054
2712	SLU 51	-1.03551	-1.03551	SLU 2	-0.58158	-0.58158
2713	SLU 51	-1.05208	-1.05208	SLU 2	-0.60112	-0.60112
2714	SLU 51	-1.358	-1.358	SLU 2	-0.7528	-0.7528
2715	SLU 51	-1.38287	-1.38287	SLU 2	-0.76725	-0.76725
2716	SLU 51	-1.43756	-1.43756	SLU 2	-0.80319	-0.80319
2717	SLU 51	-1.33206	-1.33206	SLU 2	-0.73839	-0.73839
2718	SLU 52	-0.96163	-0.96163	SLV 1	-0.52595	-0.52595
2719	SLU 51	-1.04648	-1.04648	SLU 2	-0.59358	-0.59358
2720	SLU 51	-1.44823	-1.44823	SLU 2	-0.8124	-0.8124
2721	SLU 51	-1.36562	-1.36562	SLU 2	-0.75719	-0.75719
2722	SLU 51	-1.37398	-1.37398	SLU 2	-0.76205	-0.76205
2723	SLU 51	-1.27085	-1.27085	SLU 2	-0.70588	-0.70588
2724	SLU 51	-1.0495	-1.0495	SLU 2	-0.5973	-0.5973
2725	SLU 51	-1.15156	-1.15156	SLU 2	-0.64117	-0.64117
2726	SLU 51	-1.25497	-1.25497	SLU 2	-0.69744	-0.69744
2727	SLU 51	-1.09047	-1.09047	SLU 2	-0.60823	-0.60823
2728	SLU 52	-0.9662	-0.9662	SLV 1	-0.52529	-0.52529
2729	SLU 52	-1.27679	-1.27679	SLU 1	-0.72237	-0.72237
2730	SLU 51	-1.06962	-1.06962	SLU 2	-0.59686	-0.59686
2731	SLU 51	-1.24114	-1.24114	SLU 2	-0.69003	-0.69003
2732	SLU 52	-1.29739	-1.29739	SLU 1	-0.73359	-0.73359
2733	SLU 52	-0.97098	-0.97098	SLV 1	-0.52458	-0.52458
2734	SLU 51	-1.32289	-1.32289	SLU 2	-0.73348	-0.73348
2735	SLU 51	-1.07872	-1.07872	SLU 2	-0.60184	-0.60184
2736	SLU 51	-1.16978	-1.16978	SLU 2	-0.65097	-0.65097
2737	SLU 52	-1.31506	-1.31506	SLU 1	-0.74345	-0.74345
2738	SLU 51	-1.22964	-1.22964	SLU 2	-0.68379	-0.68379
2739	SLU 51	-1.19946	-1.19946	SLU 2	-0.6671	-0.6671
2740	SLU 51	-1.21015	-1.21015	SLU 2	-0.67302	-0.67302
2741	SLU 51	-1.21972	-1.21972	SLU 2	-0.67833	-0.67833
2742	SLU 51	-1.18613	-1.18613	SLU 2	-0.65981	-0.65981
2743	SLU 51	-1.44308	-1.44308	SLU 2	-0.80771	-0.80771
2744	SLU 50	-1.22948	-1.22948	SLV 9	-0.52848	-0.52848
2745	SLU 52	-1.22732	-1.22732	SLV 9	-0.56517	-0.56517
2746	SLU 52	-0.97658	-0.97658	SLV 1	-0.52445	-0.52445
2747	SLU 52	-1.21281	-1.21281	SLV 9	-0.65123	-0.65123
2748	SLU 52	-1.33078	-1.33078	SLU 1	-0.75243	-0.75243
2749	SLU 52	-0.98366	-0.98366	SLV 1	-0.52558	-0.52558
2750	SLU 51	-1.31157	-1.31157	SLU 2	-0.72745	-0.72745
2751	SLU 52	-0.99251	-0.99251	SLV 1	-0.52867	-0.52867
2760	SLU 52	-1.36167	-1.36167	SLU 1	-0.7705	-0.7705
2761	SLU 52	-1.34557	-1.34557	SLU 1	-0.76104	-0.76104
2762	SLU 52	-1.00291	-1.00291	SLV 1	-0.53411	-0.53411
2763	SLU 52	-1.05257	-1.05257	SLV 1	-0.59694	-0.59694
2764	SLU 52	-1.01413	-1.01413	SLV 1	-0.54184	-0.54184
2765	SLU 51	-1.2986	-1.2986	SLU 2	-0.72059	-0.72059
2766	SLU 52	-1.41651	-1.41651	SLU 1	-0.80254	-0.80254
2767	SLU 50	-1.23186	-1.23186	SLV 9	-0.50797	-0.50797
2768	SLU 52	-1.02536	-1.02536	SLV 1	-0.55201	-0.55201
2769	SLU 51	-1.28462	-1.28462	SLU 2	-0.71319	-0.71319
2770	SLU 52	-1.04484	-1.04484	SLV 1	-0.57928	-0.57928
2771	SLU 52	-1.42747	-1.42747	SLU 1	-0.80891	-0.80891
2772	SLU 52	-1.03566	-1.03566	SLV 1	-0.5644	-0.5644
2773	SLU 52	-1.22636	-1.22636	SLV 9	-0.57591	-0.57591
2774	SLU 52	-1.21514	-1.21514	SLV 9	-0.61901	-0.61901
2775	SLU 52	-1.21166	-1.21166	SLV 9	-0.65559	-0.65559
2776	SLU 52	-1.45636	-1.45636	SLU 1	-0.82571	-0.82571
2777	SLU 52	-1.46225	-1.46225	SLU 1	-0.82972	-0.82972
2778	SLU 52	-1.46124	-1.46124	SLU 1	-0.8308	-0.8308
2779	SLU 51	-1.45856	-1.45856	SLU 2	-0.82365	-0.82365
2780	SLU 51	-1.05489	-1.05489	SLU 2	-0.60586	-0.60586
2781	SLU 51	-1.05685	-1.05685	SLU 2	-0.61547	-0.61547
2782	SLU 52	-1.06119	-1.06119	SLU 1	-0.61526	-0.61526
2783	SLU 52	-1.06123	-1.06123	SLU 1	-0.61347	-0.61347
2784	SLU 51	-1.39233	-1.39233	SLV 1	-0.76832	-0.76832

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
2785	SLU 52	-1.0589	-1.0589	SLV 1	-0.60675	-0.60675
2786	SLU 52	-1.44032	-1.44032	SLU 1	-0.81645	-0.81645
2787	SLU 51	-1.43938	-1.43938	SLU 2	-0.80478	-0.80478
2788	SLU 52	-1.25903	-1.25903	SLU 1	-0.71285	-0.71285
2789	SLU 52	-1.45053	-1.45053	SLU 1	-0.82236	-0.82236
2790	SLU 50	-1.23196	-1.23196	SLV 9	-0.52989	-0.52989
2791	SLU 51	-1.39949	-1.39949	SLV 1	-0.77188	-0.77188
2792	SLU 51	-1.06217	-1.06217	SLU 2	-0.59299	-0.59299
2793	SLU 51	-1.33968	-1.33968	SLU 2	-0.7428	-0.7428
2794	SLU 51	-1.4343	-1.4343	SLU 2	-0.80098	-0.80098
2795	SLU 52	-1.21173	-1.21173	SLV 9	-0.66169	-0.66169
2796	SLU 51	-1.04093	-1.04093	SLV 9	-0.58677	-0.58677
2797	SLU 52	-1.22354	-1.22354	SLV 9	-0.58093	-0.58093
2798	SLU 52	-1.37717	-1.37717	SLU 1	-0.77971	-0.77971
2799	SLU 51	-1.45634	-1.45634	SLU 2	-0.82003	-0.82003
2800	SLU 51	-1.03857	-1.03857	SLV 13	-0.58362	-0.58362
2801	SLU 51	-1.04363	-1.04363	SLV 9	-0.58973	-0.58973
2802	SLU 51	-1.40861	-1.40861	SLV 1	-0.77786	-0.77786
2803	SLU 51	-1.42674	-1.42674	SLV 1	-0.79511	-0.79511
2804	SLU 51	-1.05319	-1.05319	SLU 2	-0.60286	-0.60286
2805	SLU 51	-1.4179	-1.4179	SLV 1	-0.78575	-0.78575
2806	SLU 51	-1.05808	-1.05808	SLU 2	-0.59084	-0.59084
2807	SLU 51	-1.03656	-1.03656	SLV 13	-0.58011	-0.58011
2808	SLU 51	-1.0467	-1.0467	SLV 9	-0.59295	-0.59295
2809	SLU 51	-1.05009	-1.05009	SLV 9	-0.5977	-0.5977
2810	SLU 52	-1.21299	-1.21299	SLV 9	-0.66941	-0.66941
2811	SLU 51	-1.3447	-1.3447	SLU 2	-0.7457	-0.7457
2812	SLU 51	-1.1334	-1.1334	SLU 2	-0.63141	-0.63141
2813	SLU 51	-1.45191	-1.45191	SLU 2	-0.81544	-0.81544
2814	SLU 51	-1.03501	-1.03501	SLV 13	-0.57751	-0.57751
2815	SLU 52	-1.21136	-1.21136	SLV 9	-0.62181	-0.62181
2816	SLU 52	-1.24407	-1.24407	SLU 1	-0.70502	-0.70502
2817	SLU 50	-1.039	-1.039	SLV 1	-0.58321	-0.58321
2818	SLU 52	-1.39272	-1.39272	SLV 9	-0.78726	-0.78726
2819	SLU 51	-1.05381	-1.05381	SLU 2	-0.58864	-0.58864
2820	SLU 51	-1.03425	-1.03425	SLV 13	-0.5762	-0.5762
2821	SLU 52	-1.41033	-1.41033	SLV 9	-0.7982	-0.7982
2822	SLU 51	-1.03442	-1.03442	SLV 13	-0.57617	-0.57617
2823	SLU 51	-1.05008	-1.05008	SLU 2	-0.58677	-0.58677
2824	SLU 51	-1.03552	-1.03552	SLV 13	-0.57731	-0.57731
2825	SLU 51	-1.04655	-1.04655	SLU 2	-0.58508	-0.58508
2826	SLU 51	-1.03746	-1.03746	SLV 13	-0.57952	-0.57952
2827	SLU 51	-1.04009	-1.04009	SLU 2	-0.58223	-0.58223
2828	SLU 51	-1.04319	-1.04319	SLU 2	-0.58356	-0.58356
2829	SLU 52	-1.21476	-1.21476	SLV 9	-0.67698	-0.67698
2830	SLU 51	-1.35097	-1.35097	SLU 2	-0.74936	-0.74936
2831	SLU 50	-1.01861	-1.01861	SLV 1	-0.57089	-0.57089
2832	SLU 52	-1.2323	-1.2323	SLU 1	-0.69908	-0.69908
2833	SLU 51	-1.11964	-1.11964	SLU 2	-0.62406	-0.62406
2834	SLU 52	-1.21634	-1.21634	SLV 9	-0.68378	-0.68378
2835	SLU 51	-1.3581	-1.3581	SLV 1	-0.75037	-0.75037
2836	SLU 50	-0.99852	-0.99852	SLV 1	-0.55859	-0.55859
2837	SLU 51	-1.44576	-1.44576	SLU 2	-0.81009	-0.81009
2838	SLU 51	-1.38714	-1.38714	SLV 1	-0.76003	-0.76003
2839	SLU 52	-1.21727	-1.21727	SLV 9	-0.69003	-0.69003
2840	SLU 52	-1.2243	-1.2243	SLU 1	-0.69532	-0.69532
2841	SLU 51	-1.36613	-1.36613	SLV 1	-0.75154	-0.75154
2842	SLU 51	-1.37553	-1.37553	SLV 1	-0.75445	-0.75445
2843	SLU 52	-1.2175	-1.2175	SLU 1	-0.69429	-0.69429
2844	SLU 52	-1.21875	-1.21875	SLV 9	-0.58399	-0.58399
2845	SLU 52	-1.21974	-1.21974	SLU 1	-0.69356	-0.69356
2846	SLU 52	-1.2179	-1.2179	SLU 1	-0.69345	-0.69345
2847	SLU 52	-0.98055	-0.98055	SLV 1	-0.54718	-0.54718
2848	SLU 50	-1.23274	-1.23274	SLV 9	-0.52761	-0.52761
2849	SLU 51	-1.1033	-1.1033	SLU 2	-0.61533	-0.61533
2850	SLU 52	-0.96612	-0.96612	SLV 1	-0.53727	-0.53727
2851	SLU 52	-1.20835	-1.20835	SLV 9	-0.62604	-0.62604
2852	SLU 51	-1.0882	-1.0882	SLU 2	-0.60724	-0.60724
2853	SLU 51	-1.06529	-1.06529	SLU 2	-0.5949	-0.5949
2854	SLU 52	-0.95635	-0.95635	SLV 1	-0.5296	-0.5296
2855	SLU 52	-1.42794	-1.42794	SLV 9	-0.80323	-0.80323
2856	SLU 51	-1.07563	-1.07563	SLU 2	-0.60048	-0.60048
2857	SLU 51	-1.33636	-1.33636	SLU 2	-0.7412	-0.7412
2858	SLU 52	-0.95163	-0.95163	SLV 1	-0.5244	-0.5244
2859	SLU 51	-1.04078	-1.04078	SLV 9	-0.57725	-0.57725
2860	SLU 52	-0.95141	-0.95141	SLV 1	-0.52138	-0.52138
2861	SLU 51	-1.32625	-1.32625	SLU 2	-0.73563	-0.73563
2866	SLU 51	-1.31455	-1.31455	SLU 2	-0.7293	-0.7293
2867	SLU 51	-1.39899	-1.39899	SLV 1	-0.76321	-0.76321
2868	SLU 51	-1.03847	-1.03847	SLV 9	-0.57443	-0.57443
2869	SLU 51	-1.04334	-1.04334	SLV 9	-0.5793	-0.5793
2870	SLU 52	-0.95457	-0.95457	SLV 1	-0.51999	-0.51999
2871	SLU 50	-1.23944	-1.23944	SLV 9	-0.48933	-0.48933
2872	SLU 51	-1.43885	-1.43885	SLV 1	-0.79919	-0.79919
2873	SLU 51	-1.30104	-1.30104	SLU 2	-0.72208	-0.72208
2874	SLU 50	-1.23742	-1.23742	SLV 9	-0.49943	-0.49943
2875	SLU 52	-0.95947	-0.95947	SLV 1	-0.51937	-0.51937
2876	SLU 52	-1.44269	-1.44269	SLV 9	-0.80982	-0.80982
2877	SLU 52	-1.20663	-1.20663	SLV 9	-0.63115	-0.63115
2878	SLU 52	-0.9645	-0.9645	SLV 1	-0.51857	-0.51857
2879	SLU 52	-1.21277	-1.21277	SLV 9	-0.58713	-0.58713
2880	SLU 51	-1.45546	-1.45546	SLV 5	-0.81414	-0.81414
2881	SLU 51	-1.40993	-1.40993	SLV 1	-0.76906	-0.76906
2882	SLU 52	-1.23046	-1.23046	SLV 9	-0.53066	-0.53066
2883	SLU 52	-1.4648	-1.4648	SLV 9	-0.82627	-0.82627
2884	SLU 51	-1.46446	-1.46446	SLV 5	-0.82556	-0.82556
2885	SLU 51	-1.05708	-1.05708	SLV 9	-0.59521	-0.59521
2886	SLU 52	-1.06768	-1.06768	SLV 5	-0.59577	-0.59577
2887	SLU 52	-0.96883	-0.96883	SLV 1	-0.51717	-0.51717

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
2888	SLU 52	-1.05765	-1.05765	SLV 1	-0.57777	-0.57777
2889	SLU 51	-1.28611	-1.28611	SLU 2	-0.71414	-0.71414
2890	SLU 52	-1.45512	-1.45512	SLV 9	-0.81798	-0.81798
2891	SLU 51	-1.14528	-1.14528	SLU 2	-0.63777	-0.63777
2892	SLU 51	-1.43025	-1.43025	SLV 1	-0.78694	-0.78694
2893	SLU 51	-1.26983	-1.26983	SLU 2	-0.70547	-0.70547
2894	SLU 52	-1.05017	-1.05017	SLV 1	-0.56349	-0.56349
2895	SLU 51	-1.4601	-1.4601	SLV 5	-0.81894	-0.81894
2896	SLU 51	-1.03634	-1.03634	SLV 9	-0.5702	-0.5702
2897	SLU 52	-1.06348	-1.06348	SLV 5	-0.58786	-0.58786
2898	SLU 51	-1.04624	-1.04624	SLV 9	-0.57968	-0.57968
2899	SLU 52	-0.97303	-0.97303	SLV 1	-0.51518	-0.51518
2900	SLU 51	-1.25359	-1.25359	SLU 2	-0.69678	-0.69678
2901	SLU 51	-1.42045	-1.42045	SLV 1	-0.77689	-0.77689
2902	SLU 51	-1.16966	-1.16966	SLU 2	-0.65075	-0.65075
2903	SLU 51	-1.2395	-1.2395	SLU 2	-0.68919	-0.68919
2904	SLU 52	-1.31868	-1.31868	SLV 9	-0.74474	-0.74474
2905	SLU 51	-1.22791	-1.22791	SLU 2	-0.68285	-0.68285
2906	SLU 51	-1.21033	-1.21033	SLU 2	-0.67296	-0.67296
2907	SLU 51	-1.21863	-1.21863	SLU 2	-0.67767	-0.67767
2908	SLU 52	-1.30032	-1.30032	SLU 1	-0.73505	-0.73505
2909	SLU 51	-1.05836	-1.05836	SLU 2	-0.59138	-0.59138
2910	SLU 51	-1.20096	-1.20096	SLU 2	-0.6677	-0.6677
2911	SLU 52	-0.97816	-0.97816	SLV 1	-0.51354	-0.51354
2912	SLU 52	-1.04082	-1.04082	SLV 1	-0.54909	-0.54909
2913	SLU 51	-1.18791	-1.18791	SLU 2	-0.66056	-0.66056
2914	SLU 51	-1.05393	-1.05393	SLV 9	-0.58855	-0.58855
2915	SLU 52	-0.98514	-0.98514	SLV 1	-0.51339	-0.51339
2916	SLU 52	-0.99439	-0.99439	SLV 1	-0.51541	-0.51541
2917	SLU 52	-1.33456	-1.33456	SLV 9	-0.75003	-0.75003
2918	SLU 52	-1.00567	-1.00567	SLV 1	-0.52004	-0.52004
2919	SLU 51	-1.05013	-1.05013	SLV 9	-0.58316	-0.58316
2920	SLU 52	-1.01808	-1.01808	SLV 1	-0.52743	-0.52743
2921	SLU 52	-1.03006	-1.03006	SLV 1	-0.53681	-0.53681
2922	SLU 51	-1.03442	-1.03442	SLV 9	-0.56769	-0.56769
2923	SLU 50	-1.24421	-1.24421	SLV 9	-0.46704	-0.46704
2924	SLU 52	-1.28005	-1.28005	SLU 1	-0.72393	-0.72393
2925	SLU 52	-1.34882	-1.34882	SLV 9	-0.75429	-0.75429
2926	SLU 51	-1.34439	-1.34439	SLV 1	-0.74591	-0.74591
2927	SLU 51	-1.03346	-1.03346	SLV 9	-0.56704	-0.56704
2928	SLU 52	-1.2066	-1.2066	SLV 9	-0.63757	-0.63757
2929	SLU 51	-1.05393	-1.05393	SLU 2	-0.5892	-0.5892
2930	SLU 51	-1.03362	-1.03362	SLV 9	-0.56781	-0.56781
2931	SLU 52	-1.36341	-1.36341	SLV 9	-0.75847	-0.75847
2932	SLU 51	-1.03484	-1.03484	SLV 9	-0.56967	-0.56967
2933	SLU 51	-1.05038	-1.05038	SLU 2	-0.58754	-0.58754
2934	SLU 51	-1.04691	-1.04691	SLV 9	-0.58576	-0.58576
2935	SLU 51	-1.03705	-1.03705	SLV 9	-0.57264	-0.57264
2936	SLU 51	-1.0434	-1.0434	SLV 9	-0.58094	-0.58094
2937	SLU 51	-1.04	-1.04	SLV 9	-0.57648	-0.57648
2938	SLU 52	-1.26063	-1.26063	SLU 1	-0.71349	-0.71349
2939	SLU 52	-1.22486	-1.22486	SLV 9	-0.53713	-0.53713
2940	SLU 52	-1.20711	-1.20711	SLV 9	-0.59125	-0.59125
2941	SLU 52	-1.20842	-1.20842	SLV 9	-0.64621	-0.64621
2942	SLU 51	-1.35106	-1.35106	SLV 1	-0.74322	-0.74322
2943	SLU 51	-1.03838	-1.03838	SLV 9	-0.56653	-0.56653
2944	SLU 51	-1.04267	-1.04267	SLV 9	-0.56986	-0.56986
2945	SLU 51	-1.04039	-1.04039	SLV 9	-0.56762	-0.56762
2946	SLU 52	-1.37871	-1.37871	SLV 9	-0.76152	-0.76152
2947	SLU 51	-1.35827	-1.35827	SLV 1	-0.742	-0.742
2948	SLU 52	-1.2112	-1.2112	SLV 9	-0.65505	-0.65505
2949	SLU 52	-1.24316	-1.24316	SLU 1	-0.70429	-0.70429
2950	SLU 51	-1.12238	-1.12238	SLU 2	-0.62564	-0.62564
2951	SLU 51	-1.36649	-1.36649	SLV 1	-0.7424	-0.7424
2952	SLU 52	-1.39485	-1.39485	SLV 9	-0.76688	-0.76688
2953	SLU 51	-1.37624	-1.37624	SLV 1	-0.74459	-0.74459
2954	SLU 52	-1.2138	-1.2138	SLV 9	-0.66323	-0.66323
2955	SLU 51	-1.45316	-1.45316	SLV 5	-0.7965	-0.7965
2956	SLU 52	-1.22959	-1.22959	SLV 9	-0.69632	-0.69632
2957	SLU 51	-1.38745	-1.38745	SLV 1	-0.74844	-0.74844
2958	SLU 52	-1.41219	-1.41219	SLV 9	-0.77438	-0.77438
2959	SLU 50	-1.2389	-1.2389	SLV 9	-0.4795	-0.4795
2960	SLU 52	-1.21503	-1.21503	SLV 9	-0.66973	-0.66973
2961	SLU 50	-1.24323	-1.24323	SLV 9	-0.46362	-0.46362
2962	SLU 50	-1.043	-1.043	SLV 1	-0.5802	-0.5802
2963	SLU 52	-1.2028	-1.2028	SLV 9	-0.59682	-0.59682
2964	SLU 52	-1.22068	-1.22068	SLV 9	-0.68909	-0.68909
2965	SLU 52	-1.21488	-1.21488	SLV 9	-0.67491	-0.67491
2966	SLU 52	-1.21731	-1.21731	SLV 9	-0.54291	-0.54291
2967	SLU 51	-1.10258	-1.10258	SLU 2	-0.61517	-0.61517
2968	SLU 52	-1.21596	-1.21596	SLV 9	-0.68354	-0.68354
2969	SLU 52	-1.21456	-1.21456	SLV 9	-0.67916	-0.67916
2970	SLU 51	-1.39961	-1.39961	SLV 1	-0.753	-0.753
2971	SLU 50	-1.02097	-1.02097	SLV 1	-0.56679	-0.56679
2972	SLU 52	-1.42902	-1.42902	SLV 9	-0.78087	-0.78087
2973	SLU 51	-1.44344	-1.44344	SLV 5	-0.7835	-0.7835
2974	SLU 51	-1.08609	-1.08609	SLU 2	-0.60644	-0.60644
2975	SLU 51	-1.41156	-1.41156	SLV 1	-0.75923	-0.75923
2976	SLU 51	-1.03632	-1.03632	SLV 9	-0.55759	-0.55759
2977	SLU 50	-0.9994	-0.9994	SLV 1	-0.55346	-0.55346
2978	SLU 51	-1.4612	-1.4612	SLV 5	-0.79757	-0.79757
2979	SLU 51	-1.07334	-1.07334	SLU 2	-0.5997	-0.5997
2980	SLU 51	-1.04426	-1.04426	SLV 9	-0.56214	-0.56214
2981	SLU 51	-1.43346	-1.43346	SLV 5	-0.77411	-0.77411
2982	SLU 52	-1.4445	-1.4445	SLV 9	-0.78776	-0.78776
2983	SLU 51	-1.42287	-1.42287	SLV 1	-0.76662	-0.76662
2984	SLU 51	-1.06393	-1.06393	SLU 2	-0.59475	-0.59475
2989	SLU 50	-0.98029	-0.98029	SLV 1	-0.54117	-0.54117
2990	SLU 51	-1.03351	-1.03351	SLV 9	-0.55495	-0.55495

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
2991	SLU 52	-1.4581	-1.4581	SLV 9	-0.79521	-0.79521
2992	SLU 51	-1.31857	-1.31857	SLU 2	-0.73176	-0.73176
2993	SLU 52	-1.20046	-1.20046	SLV 9	-0.60343	-0.60343
2994	SLU 52	-1.46922	-1.46922	SLV 9	-0.80188	-0.80188
2995	SLU 51	-1.46727	-1.46727	SLV 5	-0.80056	-0.80056
2996	SLU 51	-1.05743	-1.05743	SLV 9	-0.57252	-0.57252
2997	SLU 52	-1.0719	-1.0719	SLV 5	-0.57114	-0.57114
2998	SLU 51	-1.04912	-1.04912	SLV 9	-0.56412	-0.56412
2999	SLU 51	-1.33015	-1.33015	SLU 2	-0.73813	-0.73813
3000	SLU 52	-0.96533	-0.96533	SLV 1	-0.53066	-0.53066
3001	SLU 51	-1.3049	-1.3049	SLU 2	-0.72439	-0.72439
3002	SLU 51	-1.0537	-1.0537	SLV 9	-0.56817	-0.56817
3003	SLU 51	-1.03232	-1.03232	SLV 9	-0.55474	-0.55474
3004	SLU 51	-1.03949	-1.03949	SLV 9	-0.55609	-0.55609
3005	SLU 51	-1.0578	-1.0578	SLU 2	-0.59165	-0.59165
3006	SLU 52	-1.20906	-1.20906	SLV 9	-0.54893	-0.54893
3007	SLU 51	-1.33899	-1.33899	SLV 1	-0.74238	-0.74238
3008	SLU 52	-0.95549	-0.95549	SLV 1	-0.52255	-0.52255
3009	SLU 51	-1.03248	-1.03248	SLV 9	-0.55594	-0.55594
3010	SLU 52	-1.06738	-1.06738	SLV 5	-0.56349	-0.56349
3011	SLU 50	-1.23361	-1.23361	SLV 9	-0.48038	-0.48038
3012	SLU 52	-0.95124	-0.95124	SLV 1	-0.51712	-0.51712
3013	SLU 51	-1.05396	-1.05396	SLV 9	-0.58841	-0.58841
3014	SLU 51	-1.04381	-1.04381	SLV 9	-0.57195	-0.57195
3015	SLU 51	-1.03381	-1.03381	SLV 9	-0.55778	-0.55778
3016	SLU 51	-1.04767	-1.04767	SLV 9	-0.57727	-0.57727
3017	SLU 51	-1.05097	-1.05097	SLV 9	-0.58262	-0.58262
3018	SLU 51	-1.03998	-1.03998	SLV 9	-0.56655	-0.56655
3019	SLU 52	-1.06183	-1.06183	SLV 5	-0.55482	-0.55482
3020	SLU 52	-0.95205	-0.95205	SLV 1	-0.51408	-0.51408
3021	SLU 51	-1.03644	-1.03644	SLV 9	-0.56147	-0.56147
3022	SLU 52	-0.95667	-0.95667	SLV 1	-0.51298	-0.51298
3023	SLU 52	-1.05443	-1.05443	SLV 1	-0.54587	-0.54587
3024	SLU 52	-1.20044	-1.20044	SLV 9	-0.61134	-0.61134
3025	SLU 51	-1.34536	-1.34536	SLV 1	-0.73863	-0.73863
3026	SLU 52	-0.96304	-0.96304	SLV 1	-0.51276	-0.51276
3027	SLU 52	-0.96859	-0.96859	SLV 1	-0.51204	-0.51204
3028	SLU 51	-1.28998	-1.28998	SLU 2	-0.71646	-0.71646
3029	SLU 52	-0.97244	-0.97244	SLV 1	-0.50943	-0.50943
3030	SLU 52	-1.04555	-1.04555	SLV 1	-0.53246	-0.53246
3031	SLU 52	-0.97541	-0.97541	SLV 1	-0.50581	-0.50581
3032	SLU 51	-1.35108	-1.35108	SLV 1	-0.73499	-0.73499
3033	SLU 52	-1.32368	-1.32368	SLV 9	-0.72806	-0.72806
3034	SLU 51	-1.2708	-1.2708	SLU 2	-0.70622	-0.70622
3035	SLU 52	-0.97961	-0.97961	SLV 1	-0.50251	-0.50251
3036	SLU 52	-1.30482	-1.30482	SLV 9	-0.72032	-0.72032
3037	SLU 52	-1.2028	-1.2028	SLV 9	-0.621	-0.621
3038	SLU 52	-1.20146	-1.20146	SLV 9	-0.55564	-0.55564
3039	SLU 51	-1.25275	-1.25275	SLU 2	-0.69653	-0.69653
3040	SLU 52	-1.33884	-1.33884	SLV 9	-0.73194	-0.73194
3041	SLU 52	-0.9863	-0.9863	SLV 1	-0.50073	-0.50073
3042	SLU 51	-1.21028	-1.21028	SLU 2	-0.67293	-0.67293
3043	SLU 51	-1.21701	-1.21701	SLU 2	-0.67685	-0.67685
3044	SLU 51	-1.22568	-1.22568	SLU 2	-0.68176	-0.68176
3045	SLU 51	-1.23751	-1.23751	SLU 2	-0.68828	-0.68828
3046	SLU 51	-1.2032	-1.2032	SLU 2	-0.66882	-0.66882
3047	SLU 50	-1.25079	-1.25079	SLV 9	-0.41993	-0.41993
3048	SLU 52	-0.99587	-0.99587	SLV 1	-0.50138	-0.50138
3049	SLU 52	-1.22536	-1.22536	SLV 9	-0.48782	-0.48782
3050	SLU 52	-1.00804	-1.00804	SLV 1	-0.505	-0.505
3051	SLU 51	-1.1723	-1.1723	SLU 2	-0.65216	-0.65216
3052	SLU 52	-1.02179	-1.02179	SLV 1	-0.51154	-0.51154
3053	SLU 51	-1.3578	-1.3578	SLV 1	-0.73269	-0.73269
3054	SLU 52	-1.28279	-1.28279	SLV 9	-0.70966	-0.70966
3055	SLU 52	-1.3517	-1.3517	SLV 9	-0.73424	-0.73424
3056	SLU 51	-1.1916	-1.1916	SLU 2	-0.66243	-0.66243
3057	SLU 51	-1.147	-1.147	SLU 2	-0.63882	-0.63882
3058	SLU 52	-1.03471	-1.03471	SLV 1	-0.51947	-0.51947
3059	SLU 51	-1.36609	-1.36609	SLV 1	-0.73219	-0.73219
3060	SLU 52	-1.20672	-1.20672	SLV 9	-0.63115	-0.63115
3061	SLU 52	-1.36483	-1.36483	SLV 9	-0.73653	-0.73653
3062	SLU 52	-1.26082	-1.26082	SLV 9	-0.69795	-0.69795
3063	SLU 51	-1.37605	-1.37605	SLV 1	-0.7336	-0.7336
3064	SLU 51	-1.38749	-1.38749	SLV 1	-0.73731	-0.73731
3065	SLU 52	-1.37954	-1.37954	SLV 9	-0.73933	-0.73933
3066	SLU 52	-1.21064	-1.21064	SLV 9	-0.64021	-0.64021
3067	SLU 51	-1.40014	-1.40014	SLV 1	-0.74206	-0.74206
3068	SLU 52	-1.24094	-1.24094	SLV 9	-0.68637	-0.68637
3069	SLU 51	-1.12199	-1.12199	SLU 2	-0.62569	-0.62569
3070	SLU 51	-1.41284	-1.41284	SLV 5	-0.74781	-0.74781
3071	SLU 52	-1.39575	-1.39575	SLV 9	-0.74382	-0.74382
3072	SLU 52	-1.19572	-1.19572	SLV 9	-0.56335	-0.56335
3073	SLU 51	-1.45443	-1.45443	SLV 5	-0.76894	-0.76894
3074	SLU 52	-1.21242	-1.21242	SLV 9	-0.6472	-0.6472
3075	SLU 52	-1.22577	-1.22577	SLV 9	-0.67651	-0.67651
3076	SLU 51	-1.44527	-1.44527	SLV 5	-0.76214	-0.76214
3077	SLU 52	-1.41278	-1.41278	SLV 9	-0.74979	-0.74979
3078	SLU 51	-1.03419	-1.03419	SLV 9	-0.5403	-0.5403
3079	SLU 52	-1.2149	-1.2149	SLV 9	-0.49634	-0.49634
3080	SLU 51	-1.03178	-1.03178	SLV 9	-0.54046	-0.54046
3081	SLU 50	-1.24412	-1.24412	SLV 9	-0.42344	-0.42344
3082	SLU 52	-1.2114	-1.2114	SLV 9	-0.65274	-0.65274
3083	SLU 52	-1.21586	-1.21586	SLV 9	-0.66843	-0.66843
3084	SLU 51	-1.03058	-1.03058	SLV 9	-0.54132	-0.54132
3085	SLU 51	-1.4352	-1.4352	SLV 5	-0.75527	-0.75527
3086	SLU 51	-1.10031	-1.10031	SLU 2	-0.61433	-0.61433
3087	SLU 51	-1.4619	-1.4619	SLV 5	-0.7715	-0.7715
3088	SLU 52	-1.42944	-1.42944	SLV 9	-0.75602	-0.75602
3089	SLU 52	-1.20995	-1.20995	SLV 9	-0.65744	-0.65744

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
3090	SLU 52	-1.2109	-1.2109	SLV 9	-0.66223	-0.66223
3091	SLU 51	-1.42403	-1.42403	SLV 5	-0.74945	-0.74945
3092	SLU 51	-1.30896	-1.30896	SLU 2	-0.72682	-0.72682
3093	SLU 51	-1.03071	-1.03071	SLV 9	-0.54299	-0.54299
3094	SLU 52	-1.44496	-1.44496	SLV 9	-0.76229	-0.76229
3095	SLU 51	-1.08302	-1.08302	SLU 2	-0.60527	-0.60527
3096	SLU 52	-1.4587	-1.4587	SLV 9	-0.76861	-0.76861
3097	SLU 52	-1.47083	-1.47083	SLV 9	-0.77475	-0.77475
3098	SLU 51	-1.46808	-1.46808	SLV 5	-0.77322	-0.77322
3099	SLU 51	-1.0566	-1.0566	SLV 9	-0.54773	-0.54773
3100	SLU 52	-1.07431	-1.07431	SLV 5	-0.54449	-0.54449
3101	SLU 50	-1.04747	-1.04747	SLV 1	-0.5767	-0.5767
3102	SLU 51	-1.05245	-1.05245	SLV 9	-0.54475	-0.54475
3103	SLU 51	-1.04745	-1.04745	SLV 9	-0.5417	-0.5417
3104	SLU 51	-1.07018	-1.07018	SLU 2	-0.59858	-0.59858
3105	SLU 51	-1.03708	-1.03708	SLV 9	-0.53715	-0.53715
3106	SLU 51	-1.04211	-1.04211	SLV 9	-0.5388	-0.5388
3111	SLU 52	-1.19263	-1.19263	SLV 9	-0.5723	-0.5723
3112	SLU 51	-1.04837	-1.04837	SLV 9	-0.56826	-0.56826
3113	SLU 51	-1.06137	-1.06137	SLV 9	-0.5937	-0.5937
3114	SLU 51	-1.044	-1.044	SLV 9	-0.56189	-0.56189
3115	SLU 51	-1.32174	-1.32174	SLU 2	-0.73381	-0.73381
3116	SLU 50	-1.02312	-1.02312	SLV 1	-0.56194	-0.56194
3117	SLU 51	-1.0513	-1.0513	SLV 9	-0.57343	-0.57343
3118	SLU 52	-1.07011	-1.07011	SLV 5	-0.53773	-0.53773
3119	SLU 51	-1.05611	-1.05611	SLV 9	-0.58518	-0.58518
3120	SLU 51	-1.03938	-1.03938	SLV 9	-0.55526	-0.55526
3121	SLU 51	-1.03174	-1.03174	SLV 9	-0.54366	-0.54366
3122	SLU 51	-1.05331	-1.05331	SLV 9	-0.5786	-0.5786
3123	SLU 51	-1.03502	-1.03502	SLV 9	-0.5486	-0.5486
3124	SLU 52	-1.20402	-1.20402	SLV 9	-0.50537	-0.50537
3125	SLU 50	-0.99946	-0.99946	SLV 1	-0.54732	-0.54732
3126	SLU 51	-1.33382	-1.33382	SLV 1	-0.73802	-0.73802
3127	SLU 50	-1.2361	-1.2361	SLV 9	-0.42696	-0.42696
3128	SLU 51	-1.3413	-1.3413	SLV 1	-0.73536	-0.73536
3129	SLU 50	-0.97912	-0.97912	SLV 1	-0.53412	-0.53412
3130	SLU 52	-1.19248	-1.19248	SLV 9	-0.58223	-0.58223
3131	SLU 52	-0.96351	-0.96351	SLV 1	-0.523	-0.523
3132	SLU 51	-1.34565	-1.34565	SLV 1	-0.73033	-0.73033
3133	SLU 52	-1.057	-1.057	SLV 5	-0.52192	-0.52192
3134	SLU 52	-1.06499	-1.06499	SLV 5	-0.52615	-0.52615
3135	SLU 52	-0.95374	-0.95374	SLV 1	-0.51455	-0.51455
3136	SLU 51	-1.35017	-1.35017	SLV 1	-0.72553	-0.72553
3137	SLU 52	-0.94992	-0.94992	SLV 1	-0.50889	-0.50889
3138	SLU 52	-1.195	-1.195	SLV 9	-0.59308	-0.59308
3139	SLU 52	-0.97231	-0.97231	SLV 1	-0.50555	-0.50555
3140	SLU 51	-1.35631	-1.35631	SLV 1	-0.72227	-0.72227
3141	SLU 52	-1.19431	-1.19431	SLV 9	-0.51527	-0.51527
3142	SLU 52	-0.95159	-0.95159	SLV 1	-0.50578	-0.50578
3143	SLU 51	-1.03173	-1.03173	SLV 9	-0.52663	-0.52663
3144	SLU 52	-0.96588	-0.96588	SLV 1	-0.50533	-0.50533
3145	SLU 52	-0.95765	-0.95765	SLV 1	-0.50486	-0.50486
3146	SLU 52	-1.04851	-1.04851	SLV 5	-0.51409	-0.51409
3147	SLU 52	-0.97488	-0.97488	SLV 1	-0.5015	-0.5015
3148	SLU 51	-1.36432	-1.36432	SLV 1	-0.7208	-0.7208
3149	SLU 52	-1.3271	-1.3271	SLV 9	-0.71121	-0.71121
3150	SLU 51	-1.02862	-1.02862	SLV 9	-0.53162	-0.53162
3151	SLU 52	-1.22503	-1.22503	SLV 9	-0.43385	-0.43385
3152	SLU 51	-1.38621	-1.38621	SLV 5	-0.72425	-0.72425
3153	SLU 51	-1.29687	-1.29687	SLU 2	-0.72057	-0.72057
3154	SLU 51	-1.02937	-1.02937	SLV 9	-0.52583	-0.52583
3155	SLU 52	-1.19931	-1.19931	SLV 9	-0.60369	-0.60369
3156	SLU 51	-1.3989	-1.3989	SLV 5	-0.72658	-0.72658
3157	SLU 52	-0.97633	-0.97633	SLV 1	-0.49554	-0.49554
3158	SLU 51	-1.02814	-1.02814	SLV 9	-0.5276	-0.5276
3159	SLU 52	-1.30707	-1.30707	SLV 9	-0.70206	-0.70206
3160	SLU 51	-1.37432	-1.37432	SLV 1	-0.72108	-0.72108
3161	SLU 51	-1.27109	-1.27109	SLU 2	-0.70675	-0.70675
3162	SLU 52	-0.97965	-0.97965	SLV 1	-0.49035	-0.49035
3163	SLU 51	-1.25024	-1.25024	SLU 2	-0.69552	-0.69552
3164	SLU 51	-1.21296	-1.21296	SLU 2	-0.67491	-0.67491
3165	SLU 51	-1.23375	-1.23375	SLU 2	-0.68656	-0.68656
3166	SLU 51	-1.22149	-1.22149	SLU 2	-0.67977	-0.67977
3167	SLU 51	-1.45359	-1.45359	SLV 5	-0.74357	-0.74357
3168	SLU 52	-1.34117	-1.34117	SLV 9	-0.71166	-0.71166
3169	SLU 52	-1.28226	-1.28226	SLV 9	-0.68972	-0.68972
3170	SLU 52	-0.98599	-0.98599	SLV 1	-0.48702	-0.48702
3171	SLV 7	-1.27366	-1.27366	SLV 9	-0.35291	-0.35291
3172	SLU 51	-1.20693	-1.20693	SLU 2	-0.67134	-0.67134
3173	SLU 51	-1.41114	-1.41114	SLV 5	-0.72763	-0.72763
3174	SLU 52	-1.35196	-1.35196	SLV 9	-0.71205	-0.71205
3175	SLU 52	-0.99566	-0.99566	SLV 1	-0.48622	-0.48622
3176	SLU 51	-1.44448	-1.44448	SLV 5	-0.73854	-0.73854
3177	SLU 52	-1.20388	-1.20388	SLV 9	-0.6126	-0.6126
3178	SLU 52	-1.00839	-1.00839	SLV 1	-0.48864	-0.48864
3179	SLU 51	-1.20146	-1.20146	SLU 2	-0.66808	-0.66808
3180	SLU 52	-1.18699	-1.18699	SLV 9	-0.52629	-0.52629
3181	SLU 52	-1.36398	-1.36398	SLV 9	-0.7128	-0.7128
3182	SLU 51	-1.46096	-1.46096	SLV 5	-0.74475	-0.74475
3183	SLU 52	-1.25782	-1.25782	SLV 9	-0.67691	-0.67691
3184	SLU 52	-1.02311	-1.02311	SLV 1	-0.49351	-0.49351
3185	SLU 51	-1.17012	-1.17012	SLU 2	-0.65128	-0.65128
3186	SLU 51	-1.14378	-1.14378	SLU 2	-0.63746	-0.63746
3187	SLU 51	-1.43389	-1.43389	SLV 5	-0.7331	-0.7331
3188	SLU 51	-1.04827	-1.04827	SLV 9	-0.55903	-0.55903
3189	SLU 52	-1.37813	-1.37813	SLV 9	-0.71472	-0.71472
3190	SLU 52	-1.07162	-1.07162	SLV 5	-0.51639	-0.51639
3191	SLU 52	-1.39434	-1.39434	SLV 9	-0.71839	-0.71839
3192	SLU 52	-1.2365	-1.2365	SLV 9	-0.66501	-0.66501

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
3193	SLU 52	-1.41136	-1.41136	SLV 9	-0.72369	-0.72369
3194	SLU 52	-1.4695	-1.4695	SLV 9	-0.74625	-0.74625
3195	SLU 51	-1.46679	-1.46679	SLV 5	-0.745	-0.745
3196	SLU 52	-1.05585	-1.05585	SLV 9	-0.52205	-0.52205
3197	SLU 52	-1.07467	-1.07467	SLV 5	-0.51732	-0.51732
3198	SLU 52	-1.42796	-1.42796	SLV 9	-0.72955	-0.72955
3199	SLU 51	-1.04285	-1.04285	SLV 9	-0.55077	-0.55077
3200	SLU 52	-1.06844	-1.06844	SLV 5	-0.5136	-0.5136
3201	SLU 51	-1.11805	-1.11805	SLU 2	-0.62403	-0.62403
3202	SLU 52	-1.21181	-1.21181	SLV 9	-0.4452	-0.4452
3203	SLU 51	-1.04988	-1.04988	SLV 9	-0.52031	-0.52031
3204	SLU 52	-1.44353	-1.44353	SLV 9	-0.73511	-0.73511
3205	SLU 52	-1.45719	-1.45719	SLV 9	-0.74055	-0.74055
3206	SLU 51	-1.04475	-1.04475	SLV 9	-0.51856	-0.51856
3207	SLU 52	-1.20618	-1.20618	SLV 9	-0.61767	-0.61767
3208	SLU 51	-1.19163	-1.19163	SLU 2	-0.66268	-0.66268
3209	SLU 51	-1.03747	-1.03747	SLV 9	-0.54306	-0.54306
3210	SLU 52	-1.21981	-1.21981	SLV 9	-0.65423	-0.65423
3211	SLU 51	-1.05016	-1.05016	SLV 9	-0.5627	-0.5627
3212	SLU 52	-1.20437	-1.20437	SLV 9	-0.62675	-0.62675
3213	SLU 52	-1.209	-1.209	SLV 9	-0.64555	-0.64555
3214	SLU 51	-1.09562	-1.09562	SLU 2	-0.61236	-0.61236
3215	SLU 52	-1.20231	-1.20231	SLV 9	-0.63256	-0.63256
3216	SLU 52	-1.20336	-1.20336	SLV 9	-0.63827	-0.63827
3221	SLU 51	-1.07811	-1.07811	SLU 2	-0.60328	-0.60328
3222	SLU 51	-1.05074	-1.05074	SLV 9	-0.56667	-0.56667
3223	SLU 52	-1.18279	-1.18279	SLV 9	-0.53775	-0.53775
3224	SLU 51	-1.42021	-1.42021	SLV 5	-0.72372	-0.72372
3225	SLU 52	-1.03684	-1.03684	SLV 1	-0.49735	-0.49735
3226	SLU 51	-1.31829	-1.31829	SLV 5	-0.72655	-0.72655
3227	SLU 51	-1.06533	-1.06533	SLV 9	-0.5914	-0.5914
3228	SLU 51	-1.05251	-1.05251	SLV 9	-0.57275	-0.57275
3229	SLU 51	-1.03838	-1.03838	SLV 9	-0.51371	-0.51371
3230	SLU 51	-1.05702	-1.05702	SLV 9	-0.58095	-0.58095
3231	SLV 7	-1.25726	-1.25726	SLV 9	-0.357	-0.357
3232	SLU 51	-1.03182	-1.03182	SLV 9	-0.51357	-0.51357
3233	SLU 51	-1.03188	-1.03188	SLV 9	-0.53313	-0.53313
3234	SLU 51	-1.02735	-1.02735	SLV 9	-0.52464	-0.52464
3236	SLU 50	-1.04848	-1.04848	SLV 1	-0.57028	-0.57028
3237	SLU 52	-1.1982	-1.1982	SLV 9	-0.45775	-0.45775
3238	SLU 52	-1.0568	-1.0568	SLV 5	-0.50007	-0.50007
3239	SLU 52	-1.18217	-1.18217	SLV 9	-0.55011	-0.55011
3240	SLU 52	-1.06311	-1.06311	SLV 5	-0.50135	-0.50135
3241	SLU 52	-1.04993	-1.04993	SLV 5	-0.49662	-0.49662
3242	SLU 50	-1.02173	-1.02173	SLV 1	-0.55457	-0.55457
3243	SLU 51	-1.33986	-1.33986	SLV 5	-0.72396	-0.72396
3244	SLU 51	-1.34314	-1.34314	SLV 5	-0.71824	-0.71824
3245	SLU 51	-1.02465	-1.02465	SLV 9	-0.51331	-0.51331
3246	SLU 51	-1.02609	-1.02609	SLV 9	-0.50912	-0.50912
3247	SLU 50	-0.99677	-0.99677	SLV 1	-0.53913	-0.53913
3248	SLU 51	-1.34705	-1.34705	SLV 5	-0.7127	-0.7127
3249	SLU 52	-1.32441	-1.32441	SLV 9	-0.69504	-0.69504
3250	SLU 51	-1.33227	-1.33227	SLV 5	-0.72584	-0.72584
3251	SLU 51	-1.04722	-1.04722	SLV 9	-0.55183	-0.55183
3252	SLU 52	-0.97295	-0.97295	SLV 1	-0.49829	-0.49829
3253	SLV 7	-1.24006	-1.24006	SLV 9	-0.36114	-0.36114
3254	SLU 52	-1.18434	-1.18434	SLV 9	-0.56251	-0.56251
3255	SLU 52	-1.06708	-1.06708	SLV 5	-0.49792	-0.49792
3256	SLU 51	-1.39576	-1.39576	SLV 5	-0.70908	-0.70908
3257	SLU 52	-1.04293	-1.04293	SLV 5	-0.49129	-0.49129
3258	SLU 51	-1.35273	-1.35273	SLV 5	-0.70825	-0.70825
3259	SLU 50	-0.97568	-0.97568	SLV 1	-0.52537	-0.52537
3260	SLU 51	-1.38284	-1.38284	SLV 5	-0.70586	-0.70586
3261	SLU 51	-1.4505	-1.4505	SLV 5	-0.72076	-0.72076
3262	SLU 52	-1.18587	-1.18587	SLV 9	-0.47092	-0.47092
3263	SLU 51	-1.36031	-1.36031	SLV 5	-0.70488	-0.70488
3264	SLU 52	-0.9599	-0.9599	SLV 1	-0.51398	-0.51398
3265	SLU 51	-1.40776	-1.40776	SLV 5	-0.70958	-0.70958
3266	SLU 52	-1.07015	-1.07015	SLV 5	-0.49601	-0.49601
3267	SLU 51	-1.43089	-1.43089	SLV 5	-0.71357	-0.71357
3268	SLU 51	-1.0349	-1.0349	SLV 9	-0.53297	-0.53297
3269	SLU 52	-0.95027	-0.95027	SLV 1	-0.50527	-0.50527
3270	SLU 52	-1.18803	-1.18803	SLV 9	-0.57379	-0.57379
3271	SLU 51	-1.03956	-1.03956	SLV 9	-0.53923	-0.53923
3272	SLU 51	-1.4571	-1.4571	SLV 5	-0.71935	-0.71935
3273	SLU 51	-1.41883	-1.41883	SLV 5	-0.70949	-0.70949
3274	SLU 52	-0.94674	-0.94674	SLV 1	-0.49938	-0.49938
3275	SLU 52	-0.97366	-0.97366	SLV 1	-0.49123	-0.49123
3276	SLU 51	-1.04152	-1.04152	SLV 9	-0.49898	-0.49898
3277	SLU 51	-1.44084	-1.44084	SLV 5	-0.7135	-0.7135
3278	SLU 52	-0.94882	-0.94882	SLV 1	-0.49608	-0.49608
3279	SLU 52	-0.96453	-0.96453	SLV 1	-0.49518	-0.49518
3280	SLU 50	-1.22399	-1.22399	SLV 9	-0.37446	-0.37446
3281	SLU 52	-1.3371	-1.3371	SLV 9	-0.69103	-0.69103
3282	SLU 52	-0.95529	-0.95529	SLV 1	-0.49469	-0.49469
3283	SLU 52	-0.97433	-0.97433	SLV 1	-0.48357	-0.48357
3284	SLU 52	-1.3029	-1.3029	SLV 9	-0.67991	-0.67991
3285	SLU 52	-1.46323	-1.46323	SLV 9	-0.71729	-0.71729
3286	SLU 52	-1.47023	-1.47023	SLV 9	-0.7199	-0.7199
3287	SLU 52	-1.46866	-1.46866	SLV 5	-0.71923	-0.71923
3288	SLU 51	-1.46136	-1.46136	SLV 5	-0.71692	-0.71692
3289	SLU 52	-1.05345	-1.05345	SLV 9	-0.49668	-0.49668
3290	SLU 52	-1.06387	-1.06387	SLV 9	-0.49644	-0.49644
3291	SLU 52	-1.07052	-1.07052	SLV 5	-0.49409	-0.49409
3292	SLU 52	-1.0713	-1.0713	SLV 5	-0.49099	-0.49099
3293	SLU 52	-1.04691	-1.04691	SLV 9	-0.49608	-0.49608
3294	SLU 52	-1.19124	-1.19124	SLV 9	-0.58234	-0.58234
3295	SLU 51	-1.36934	-1.36934	SLV 5	-0.69908	-0.69908
3296	SLU 51	-1.04558	-1.04558	SLV 9	-0.54925	-0.54925

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
3297	SLU 52	-1.17631	-1.17631	SLV 9	-0.48477	-0.48477
3298	SLU 52	-0.97729	-0.97729	SLV 1	-0.47693	-0.47693
3299	SLU 52	-1.45182	-1.45182	SLV 9	-0.71152	-0.71152
3300	SLU 52	-1.34763	-1.34763	SLV 9	-0.68851	-0.68851
3301	SLU 52	-1.43916	-1.43916	SLV 9	-0.70721	-0.70721
3302	SLU 52	-1.42447	-1.42447	SLV 9	-0.70258	-0.70258
3303	SLU 51	-1.22744	-1.22744	SLU 2	-0.68361	-0.68361
3304	SLU 51	-1.2146	-1.2146	SLU 2	-0.6765	-0.6765
3305	SLU 51	-1.26566	-1.26566	SLV 5	-0.69981	-0.69981
3306	SLU 52	-1.03236	-1.03236	SLV 5	-0.47959	-0.47959
3307	SLU 51	-1.2445	-1.2445	SLV 5	-0.6929	-0.6929
3308	SLU 52	-1.27666	-1.27666	SLV 9	-0.66632	-0.66632
3309	SLU 51	-1.20542	-1.20542	SLU 2	-0.67129	-0.67129
3310	SLU 52	-1.40772	-1.40772	SLV 9	-0.69667	-0.69667
3311	SLU 51	-1.1987	-1.1987	SLU 2	-0.66737	-0.66737
3312	SLU 52	-0.9834	-0.9834	SLV 1	-0.4721	-0.4721
3313	SLU 51	-1.28956	-1.28956	SLV 5	-0.70712	-0.70712
3314	SLU 51	-1.19203	-1.19203	SLU 2	-0.66353	-0.66353
3315	SLU 52	-1.02064	-1.02064	SLV 1	-0.47641	-0.47641
3316	SLU 52	-1.35956	-1.35956	SLV 9	-0.68717	-0.68717
3317	SLV 7	-1.34637	-1.34637	SLV 9	-0.28469	-0.28469
3318	SLU 52	-1.19264	-1.19264	SLV 9	-0.59014	-0.59014
3319	SLU 52	-1.00592	-1.00592	SLV 1	-0.47165	-0.47165
3320	SLU 51	-1.16045	-1.16045	SLU 2	-0.64667	-0.64667
3321	SLU 52	-1.25106	-1.25106	SLV 9	-0.65327	-0.65327
3322	SLU 51	-1.18036	-1.18036	SLU 2	-0.65721	-0.65721
3323	SLU 52	-0.99297	-0.99297	SLV 1	-0.46999	-0.46999
3324	SLU 52	-1.37382	-1.37382	SLV 9	-0.68782	-0.68782
3325	SLU 52	-1.39018	-1.39018	SLV 9	-0.69075	-0.69075
3326	SLU 51	-1.13539	-1.13539	SLU 2	-0.63356	-0.63356
3327	SLU 52	-1.20778	-1.20778	SLV 9	-0.39036	-0.39036
3328	SLU 52	-1.06026	-1.06026	SLV 5	-0.48166	-0.48166
3329	SLU 52	-1.05447	-1.05447	SLV 5	-0.4801	-0.4801
3330	SLU 51	-1.45192	-1.45192	SLV 5	-0.70759	-0.70759
3339	SLU 52	-1.04013	-1.04013	SLV 5	-0.47762	-0.47762
3340	SLU 51	-1.44755	-1.44755	SLV 5	-0.70619	-0.70619
3341	SLU 52	-1.04748	-1.04748	SLV 5	-0.4785	-0.4785
3342	SLU 52	-1.22866	-1.22866	SLV 9	-0.6408	-0.6408
3343	SLU 51	-1.04479	-1.04479	SLV 9	-0.55166	-0.55166
3344	SLU 51	-1.11039	-1.11039	SLU 2	-0.62056	-0.62056
3345	SLU 52	-1.19167	-1.19167	SLV 9	-0.59787	-0.59787
3346	SLU 52	-1.06439	-1.06439	SLV 5	-0.48101	-0.48101
3347	SLU 52	-1.21125	-1.21125	SLV 9	-0.62981	-0.62981
3348	SLU 52	-1.19947	-1.19947	SLV 9	-0.6204	-0.6204
3349	SLU 52	-1.1708	-1.1708	SLV 9	-0.50042	-0.50042
3350	SLU 52	-1.19081	-1.19081	SLV 9	-0.60485	-0.60485
3351	SLU 51	-1.44228	-1.44228	SLV 5	-0.70306	-0.70306
3352	SLU 51	-1.08839	-1.08839	SLV 9	-0.60491	-0.60491
3353	SLU 51	-1.45529	-1.45529	SLV 5	-0.70619	-0.70619
3354	SLU 52	-1.19289	-1.19289	SLV 9	-0.61209	-0.61209
3355	SLU 51	-1.31085	-1.31085	SLV 5	-0.71116	-0.71116
3356	SLU 51	-1.046	-1.046	SLV 9	-0.5575	-0.5575
3357	SLU 51	-1.071	-1.071	SLV 9	-0.58964	-0.58964
3358	SLU 51	-1.05026	-1.05026	SLV 9	-0.56597	-0.56597
3359	SLU 51	-1.05828	-1.05828	SLV 9	-0.5765	-0.5765
3360	SLU 52	-1.06697	-1.06697	SLV 5	-0.47949	-0.47949
3361	SLU 51	-1.02686	-1.02686	SLV 9	-0.51567	-0.51567
3362	SLU 51	-1.37947	-1.37947	SLV 5	-0.69034	-0.69034
3363	SLU 51	-1.03299	-1.03299	SLV 9	-0.48466	-0.48466
3364	SLU 51	-1.39011	-1.39011	SLV 5	-0.69086	-0.69086
3365	SLU 51	-1.37176	-1.37176	SLV 5	-0.68942	-0.68942
3366	SLU 52	-1.16952	-1.16952	SLV 9	-0.51581	-0.51581
3367	SLU 52	-1.19172	-1.19172	SLV 9	-0.40654	-0.40654
3368	SLU 51	-1.02092	-1.02092	SLV 9	-0.50338	-0.50338
3369	SLU 51	-1.32553	-1.32553	SLV 5	-0.71131	-0.71131
3370	SLV 7	-1.32673	-1.32673	SLV 9	-0.2895	-0.2895
3371	SLU 51	-1.02519	-1.02519	SLV 9	-0.48555	-0.48555
3372	SLU 52	-1.45698	-1.45698	SLV 5	-0.70074	-0.70074
3373	SLU 51	-1.40106	-1.40106	SLV 5	-0.69045	-0.69045
3374	SLU 51	-1.33326	-1.33326	SLV 5	-0.70784	-0.70784
3375	SLU 51	-1.35446	-1.35446	SLV 5	-0.68971	-0.68971
3376	SLU 51	-1.45009	-1.45009	SLV 5	-0.6973	-0.6973
3377	SLU 52	-1.06681	-1.06681	SLV 5	-0.47484	-0.47484
3378	SLU 51	-1.33708	-1.33708	SLV 5	-0.70128	-0.70128
3379	SLU 51	-1.01835	-1.01835	SLV 9	-0.49264	-0.49264
3380	SLU 52	-1.17132	-1.17132	SLV 9	-0.53071	-0.53071
3381	SLU 50	-1.04	-1.04	SLV 1	-0.55874	-0.55874
3382	SLU 51	-1.34122	-1.34122	SLV 5	-0.69513	-0.69513
3383	SLU 51	-1.41155	-1.41155	SLV 5	-0.68932	-0.68932
3384	SLU 51	-1.01977	-1.01977	SLV 9	-0.486	-0.486
3385	SLU 51	-1.34722	-1.34722	SLV 5	-0.69047	-0.69047
3386	SLU 51	-1.42227	-1.42227	SLV 5	-0.68971	-0.68971
3387	SLU 51	-1.03115	-1.03115	SLV 9	-0.52125	-0.52125
3388	SLU 51	-1.44384	-1.44384	SLV 5	-0.69195	-0.69195
3389	SLU 51	-1.4314	-1.4314	SLV 5	-0.68974	-0.68974
3390	SLU 50	-1.01411	-1.01411	SLV 1	-0.54332	-0.54332
3391	SLU 52	-1.45924	-1.45924	SLV 5	-0.69593	-0.69593
3392	SLU 52	-1.06369	-1.06369	SLV 5	-0.47259	-0.47259
3393	SLU 52	-1.02874	-1.02874	SLV 5	-0.46423	-0.46423
3394	SLU 52	-1.17355	-1.17355	SLV 9	-0.54199	-0.54199
3395	SLU 51	-1.43745	-1.43745	SLV 5	-0.68927	-0.68927
3396	SLU 51	-1.03492	-1.03492	SLV 9	-0.52737	-0.52737
3397	SLU 52	-1.06318	-1.06318	SLV 5	-0.46718	-0.46718
3398	SLU 52	-1.17631	-1.17631	SLV 9	-0.42275	-0.42275
3399	SLU 50	-0.99013	-0.99013	SLV 1	-0.5284	-0.5284
3400	SLU 52	-1.05677	-1.05677	SLV 5	-0.46494	-0.46494
3401	SLU 52	-1.06065	-1.06065	SLV 5	-0.46578	-0.46578
3402	SLV 7	-1.30645	-1.30645	SLV 9	-0.29437	-0.29437
3403	SLU 52	-1.03934	-1.03934	SLV 9	-0.4736	-0.4736

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
3404	SLU 50	-0.96952	-0.96952	SLV 1	-0.5148	-0.5148
3405	SLU 52	-1.03539	-1.03539	SLV 5	-0.46115	-0.46115
3406	SLU 52	-1.41844	-1.41844	SLV 9	-0.67802	-0.67802
3407	SLU 52	-0.95413	-0.95413	SLV 1	-0.50349	-0.50349
3408	SLU 51	-1.36656	-1.36656	SLV 5	-0.6791	-0.6791
3409	SLU 52	-1.05077	-1.05077	SLV 5	-0.46079	-0.46079
3410	SLU 52	-1.04312	-1.04312	SLV 5	-0.45954	-0.45954
3411	SLU 52	-1.43097	-1.43097	SLV 9	-0.67981	-0.67981
3412	SLU 52	-1.04718	-1.04718	SLV 9	-0.46942	-0.46942
3413	SLU 52	-0.94479	-0.94479	SLV 1	-0.49471	-0.49471
3414	SLU 52	-0.96432	-0.96432	SLV 1	-0.4812	-0.4812
3415	SLU 52	-0.94143	-0.94143	SLV 1	-0.48863	-0.48863
3416	SLU 52	-1.17357	-1.17357	SLV 9	-0.54751	-0.54751
3417	SLU 52	-1.4398	-1.4398	SLV 9	-0.68069	-0.68069
3418	SLU 52	-0.96723	-0.96723	SLV 1	-0.47614	-0.47614
3419	SLV 7	-1.26641	-1.26641	SLV 9	-0.31321	-0.31321
3420	SLU 52	-0.94341	-0.94341	SLV 1	-0.48491	-0.48491
3421	SLU 52	-1.45051	-1.45051	SLV 9	-0.68344	-0.68344
3422	SLU 52	-1.45561	-1.45561	SLV 5	-0.68548	-0.68548
3423	SLU 52	-1.05532	-1.05532	SLV 5	-0.46604	-0.46604
3424	SLU 52	-1.31209	-1.31209	SLV 9	-0.66079	-0.66079
3425	SLU 51	-1.03466	-1.03466	SLV 9	-0.52843	-0.52843
3426	SLU 52	-1.40281	-1.40281	SLV 9	-0.66997	-0.66997
3427	SLU 51	-1.37278	-1.37278	SLV 5	-0.67521	-0.67521
3428	SLU 52	-0.94927	-0.94927	SLV 1	-0.48272	-0.48272
3429	SLU 52	-0.96903	-0.96903	SLV 1	-0.46907	-0.46907
3430	SLU 52	-1.32708	-1.32708	SLV 9	-0.66267	-0.66267
3431	SLU 52	-1.16407	-1.16407	SLV 9	-0.4392	-0.4392
3432	SLU 52	-1.44725	-1.44725	SLV 5	-0.68104	-0.68104
3433	SLU 52	-0.9569	-0.9569	SLV 1	-0.48129	-0.48129
3434	SLU 52	-1.33915	-1.33915	SLV 9	-0.66141	-0.66141
3435	SLU 51	-1.38246	-1.38246	SLV 5	-0.67325	-0.67325
3436	SLU 52	-0.97236	-0.97236	SLV 1	-0.46191	-0.46191
3437	SLU 51	-1.23581	-1.23581	SLV 5	-0.67675	-0.67675
3438	SLU 52	-1.0603	-1.0603	SLV 5	-0.45677	-0.45677
3439	SLU 52	-1.17413	-1.17413	SLV 9	-0.55654	-0.55654
3440	SLU 51	-1.21846	-1.21846	SLV 5	-0.67133	-0.67133
3441	SLU 51	-1.2563	-1.2563	SLV 5	-0.68274	-0.68274
3442	SLU 51	-1.20491	-1.20491	SLV 5	-0.66724	-0.66724
3443	SLU 51	-1.19466	-1.19466	SLV 5	-0.66409	-0.66409
3444	SLU 51	-1.18632	-1.18632	SLV 5	-0.66106	-0.66106
3445	SLU 51	-1.35587	-1.35587	SLV 5	-0.67339	-0.67339
3446	SLU 51	-1.17721	-1.17721	SLU 2	-0.65629	-0.65629
3447	SLU 52	-0.98836	-0.98836	SLV 1	-0.45421	-0.45421
3448	SLU 52	-1.00129	-1.00129	SLV 5	-0.45383	-0.45383
3449	SLU 51	-1.27844	-1.27844	SLV 5	-0.68879	-0.68879
3450	SLU 52	-1.01713	-1.01713	SLV 5	-0.45218	-0.45218
3451	SLU 51	-1.14556	-1.14556	SLV 9	-0.63725	-0.63725
3452	SLU 52	-1.38314	-1.38314	SLV 9	-0.66161	-0.66161
3453	SLU 52	-0.97852	-0.97852	SLV 1	-0.4563	-0.4563
3454	SLV 7	-1.22192	-1.22192	SLV 9	-0.33431	-0.33431
3455	SLU 52	-1.35164	-1.35164	SLV 9	-0.65882	-0.65882
3456	SLU 51	-1.16386	-1.16386	SLV 5	-0.64853	-0.64853
3457	SLU 51	-1.39204	-1.39204	SLV 5	-0.67098	-0.67098
3458	SLU 52	-1.29019	-1.29019	SLV 9	-0.64892	-0.64892
3459	SLU 51	-1.03458	-1.03458	SLV 9	-0.5324	-0.5324
3460	SLU 51	-1.43839	-1.43839	SLV 5	-0.67481	-0.67481
3461	SLU 51	-1.12298	-1.12298	SLV 9	-0.62222	-0.62222
3462	SLU 52	-1.24055	-1.24055	SLV 9	-0.62734	-0.62734
3463	SLU 52	-1.0536	-1.0536	SLV 5	-0.45191	-0.45191
3464	SLU 52	-1.21825	-1.21825	SLV 9	-0.6156	-0.6156
3465	SLU 52	-1.36625	-1.36625	SLV 9	-0.65862	-0.65862
3466	SLU 52	-1.26554	-1.26554	SLV 9	-0.63835	-0.63835
3467	SLU 52	-1.15743	-1.15743	SLV 9	-0.46093	-0.46093
3468	SLU 51	-1.09974	-1.09974	SLV 9	-0.60546	-0.60546
3469	SLU 52	-1.45028	-1.45028	SLV 5	-0.67648	-0.67648
3470	SLU 52	-1.05672	-1.05672	SLV 5	-0.45203	-0.45203
3471	SLV 7	-1.41618	-1.41618	SLV 9	-0.21671	-0.21671
3472	SLU 52	-1.17446	-1.17446	SLV 9	-0.56544	-0.56544
3473	SLU 52	-1.20031	-1.20031	SLV 9	-0.60416	-0.60416
3474	SLU 51	-1.29845	-1.29845	SLV 5	-0.69255	-0.69255
3475	SLU 51	-1.03646	-1.03646	SLV 9	-0.53966	-0.53966
3476	SLU 51	-1.43119	-1.43119	SLV 5	-0.67153	-0.67153
3477	SLU 52	-1.18743	-1.18743	SLV 9	-0.59346	-0.59346
3478	SLU 52	-1.05793	-1.05793	SLV 5	-0.45477	-0.45477
3479	SLU 51	-1.07867	-1.07867	SLV 9	-0.58861	-0.58861
3480	SLU 52	-1.17569	-1.17569	SLV 9	-0.57446	-0.57446
3481	SLU 51	-1.04109	-1.04109	SLV 9	-0.54904	-0.54904
3482	SLU 52	-1.17951	-1.17951	SLV 9	-0.58365	-0.58365
3483	SLU 51	-1.06156	-1.06156	SLV 9	-0.57319	-0.57319
3484	SLU 51	-1.049	-1.049	SLV 9	-0.55981	-0.55981
3485	SLU 51	-1.31326	-1.31326	SLV 5	-0.69282	-0.69282
3486	SLU 51	-1.40046	-1.40046	SLV 5	-0.66664	-0.66664
3487	SLU 52	-1.16135	-1.16135	SLV 9	-0.51625	-0.51625
3488	SLU 52	-1.15526	-1.15526	SLV 9	-0.481	-0.481
3489	SLU 51	-1.3416	-1.3416	SLV 5	-0.67274	-0.67274
3490	SLU 52	-1.4496	-1.4496	SLV 5	-0.6721	-0.6721
3491	SLU 51	-1.3225	-1.3225	SLV 5	-0.68951	-0.68951
3492	SLU 52	-1.15759	-1.15759	SLV 9	-0.5005	-0.5005
3493	SLU 52	-1.05399	-1.05399	SLV 5	-0.45274	-0.45274
3494	SLU 51	-1.42245	-1.42245	SLV 5	-0.66677	-0.66677
3495	SLU 51	-1.32817	-1.32817	SLV 5	-0.68361	-0.68361
3496	SLU 51	-1.33365	-1.33365	SLV 5	-0.6774	-0.6774
3497	SLU 52	-1.18479	-1.18479	SLV 9	-0.35482	-0.35482
3498	SLU 52	-1.41335	-1.41335	SLV 9	-0.66032	-0.66032
3499	SLU 52	-1.4217	-1.4217	SLV 9	-0.6622	-0.6622
3500	SLU 51	-1.02538	-1.02538	SLV 9	-0.51041	-0.51041
3501	SLU 51	-1.4115	-1.4115	SLV 5	-0.66492	-0.66492
3502	SLU 51	-1.01221	-1.01221	SLV 9	-0.48127	-0.48127

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
3503	SLU 51	-1.0162	-1.0162	SLV 9	-0.49178	-0.49178
3504	SLU 51	-1.01613	-1.01613	SLV 9	-0.45931	-0.45931
3505	SLU 51	-1.01035	-1.01035	SLV 9	-0.47094	-0.47094
3506	SLU 52	-1.02739	-1.02739	SLV 5	-0.44312	-0.44312
3507	SLU 51	-1.02054	-1.02054	SLV 9	-0.50082	-0.50082
3508	SLU 52	-1.02277	-1.02277	SLV 9	-0.4545	-0.4545
3509	SLU 51	-1.01154	-1.01154	SLV 9	-0.46248	-0.46248
3510	SLV 7	-1.39435	-1.39435	SLV 9	-0.22212	-0.22212
3511	SLU 51	-1.3641	-1.3641	SLV 5	-0.66107	-0.66107
3512	SLU 52	-1.03702	-1.03702	SLV 5	-0.43979	-0.43979
3513	SLU 52	-1.04626	-1.04626	SLV 5	-0.43959	-0.43959
3514	SLU 50	-1.02688	-1.02688	SLV 1	-0.54499	-0.54499
3515	SLU 51	-1.38377	-1.38377	SLV 5	-0.65611	-0.65611
3516	SLU 51	-1.37402	-1.37402	SLV 5	-0.65581	-0.65581
3517	SLU 52	-1.1671	-1.1671	SLV 9	-0.37171	-0.37171
3518	SLU 52	-1.02831	-1.02831	SLV 9	-0.44628	-0.44628
3519	SLU 51	-1.42507	-1.42507	SLV 5	-0.65564	-0.65564
3520	SLU 50	-1.00279	-1.00279	SLV 1	-0.53009	-0.53009
3521	SLU 52	-1.05022	-1.05022	SLV 5	-0.43522	-0.43522
3522	SLU 52	-1.42975	-1.42975	SLV 5	-0.65487	-0.65487
3523	SLU 52	-1.43669	-1.43669	SLV 5	-0.65566	-0.65566
3524	SLU 52	-1.05213	-1.05213	SLV 5	-0.43563	-0.43563
3525	SLU 52	-1.42009	-1.42009	SLV 9	-0.64886	-0.64886
3526	SLV 7	-1.37197	-1.37197	SLV 9	-0.22759	-0.22759
3527	SLU 50	-0.98036	-0.98036	SLV 1	-0.5158	-0.5158
3528	SLU 52	-1.44034	-1.44034	SLV 5	-0.65485	-0.65485
3529	SLU 52	-1.03613	-1.03613	SLV 9	-0.44116	-0.44116
3530	SLU 52	-1.05079	-1.05079	SLV 5	-0.43626	-0.43626
3531	SLU 52	-1.39976	-1.39976	SLV 9	-0.64356	-0.64356
3532	SLU 50	-0.96098	-0.96098	SLV 1	-0.50282	-0.50282
3533	SLU 52	-1.44091	-1.44091	SLV 5	-0.6536	-0.6536
3534	SLU 52	-1.04746	-1.04746	SLV 5	-0.4371	-0.4371
3535	SLU 52	-1.04345	-1.04345	SLV 9	-0.43832	-0.43832
3536	SLU 52	-1.43289	-1.43289	SLV 9	-0.65037	-0.65037
3537	SLU 52	-1.43931	-1.43931	SLV 5	-0.65231	-0.65231
3538	SLU 50	-0.94642	-0.94642	SLV 1	-0.49188	-0.49188
3539	SLU 52	-1.15247	-1.15247	SLV 9	-0.50511	-0.50511
3540	SLU 52	-0.93757	-0.93757	SLV 1	-0.48316	-0.48316
3541	SLU 52	-0.93432	-0.93432	SLV 1	-0.4769	-0.4769
3542	SLV 7	-1.32202	-1.32202	SLV 9	-0.2528	-0.2528
3543	SLU 52	-0.95809	-0.95809	SLV 1	-0.45999	-0.45999
3544	SLU 52	-0.95371	-0.95371	SLV 1	-0.46473	-0.46473
3545	SLU 52	-0.93595	-0.93595	SLV 1	-0.47267	-0.47267
3546	SLU 51	-1.01974	-1.01974	SLV 9	-0.50239	-0.50239
3547	SLU 52	-1.37654	-1.37654	SLV 9	-0.63581	-0.63581
3548	SLU 52	-0.96147	-0.96147	SLV 1	-0.45348	-0.45348
3549	SLU 52	-1.31353	-1.31353	SLV 9	-0.63318	-0.63318
3550	SLU 52	-0.94084	-0.94084	SLV 1	-0.46954	-0.46954
3551	SLU 52	-1.32794	-1.32794	SLV 9	-0.63352	-0.63352
3552	SLU 52	-1.29637	-1.29637	SLV 9	-0.62955	-0.62955
3553	SLU 52	-1.1551	-1.1551	SLV 9	-0.52166	-0.52166
3554	SLU 52	-0.96579	-0.96579	SLV 1	-0.44673	-0.44673
3555	SLU 52	-1.34209	-1.34209	SLV 9	-0.63262	-0.63262
3556	SLU 52	-0.947	-0.947	SLV 1	-0.46662	-0.46662
3557	SLU 52	-1.35784	-1.35784	SLV 9	-0.63263	-0.63263
3558	SLU 51	-1.22505	-1.22505	SLV 5	-0.65972	-0.65972
3559	SLU 51	-1.20783	-1.20783	SLV 5	-0.65474	-0.65474
3560	SLU 51	-1.24488	-1.24488	SLV 5	-0.66523	-0.66523
3561	SLU 51	-1.19375	-1.19375	SLV 5	-0.65053	-0.65053
3562	SLU 51	-1.18237	-1.18237	SLV 5	-0.64685	-0.64685
3563	SLU 51	-1.02245	-1.02245	SLV 9	-0.51187	-0.51187
3564	SLU 52	-0.98194	-0.98194	SLV 5	-0.43626	-0.43626
3565	SLU 51	-1.2656	-1.2656	SLV 5	-0.67024	-0.67024
3566	SLU 51	-1.1722	-1.1722	SLV 5	-0.64275	-0.64275
3567	SLU 52	-1.15741	-1.15741	SLV 9	-0.53473	-0.53473
3568	SLU 51	-1.16126	-1.16126	SLV 5	-0.63728	-0.63728
3569	SLU 51	-1.12982	-1.12982	SLV 9	-0.61817	-0.61817
3570	SLU 52	-0.97228	-0.97228	SLV 1	-0.44096	-0.44096
3571	SLV 7	-1.26833	-1.26833	SLV 9	-0.28047	-0.28047
3572	SLU 52	-1.15044	-1.15044	SLV 9	-0.38651	-0.38651
3573	SLU 52	-0.99381	-0.99381	SLV 5	-0.43125	-0.43125
3574	SLU 51	-1.14726	-1.14726	SLV 5	-0.62905	-0.62905
3575	SLU 51	-1.10908	-1.10908	SLV 9	-0.60405	-0.60405
3576	SLU 52	-1.14312	-1.14312	SLV 9	-0.42133	-0.42133
3577	SLU 51	-1.08774	-1.08774	SLV 9	-0.58842	-0.58842
3578	SLU 52	-1.20593	-1.20593	SLV 9	-0.5897	-0.5897
3579	SLU 52	-1.1441	-1.1441	SLV 9	-0.47444	-0.47444
3580	SLU 51	-1.0256	-1.0256	SLV 9	-0.52138	-0.52138
3581	SLU 52	-1.16039	-1.16039	SLV 9	-0.54605	-0.54605
3582	SLU 51	-1.28445	-1.28445	SLV 5	-0.67316	-0.67316
3583	SLU 52	-1.18786	-1.18786	SLV 9	-0.57823	-0.57823
3584	SLU 52	-1.16563	-1.16563	SLV 9	-0.55673	-0.55673
3585	SLU 52	-1.2275	-1.2275	SLV 9	-0.60052	-0.60052
3586	SLU 52	-1.17443	-1.17443	SLV 9	-0.56719	-0.56719
3587	SLU 52	-1.27462	-1.27462	SLV 9	-0.61997	-0.61997
3588	SLU 51	-1.06785	-1.06785	SLV 9	-0.57221	-0.57221
3589	SLU 52	-1.00687	-1.00687	SLV 5	-0.42676	-0.42676
3590	SLU 51	-1.0307	-1.0307	SLV 9	-0.5317	-0.5317
3591	SLU 52	-1.1413	-1.1413	SLV 9	-0.44854	-0.44854
3592	SLU 51	-1.38463	-1.38463	SLV 5	-0.64135	-0.64135
3593	SLU 51	-1.41327	-1.41327	SLV 5	-0.64075	-0.64075
3594	SLU 52	-1.25103	-1.25103	SLV 9	-0.61039	-0.61039
3595	SLU 51	-1.29939	-1.29939	SLV 5	-0.67317	-0.67317
3596	SLU 52	-1.01492	-1.01492	SLV 9	-0.4358	-0.4358
3597	SLU 51	-1.03895	-1.03895	SLV 9	-0.54333	-0.54333
3598	SLU 51	-1.05125	-1.05125	SLV 9	-0.55682	-0.55682
3599	SLU 51	-1.34322	-1.34322	SLV 5	-0.64752	-0.64752
3600	SLU 51	-1.30998	-1.30998	SLV 5	-0.67019	-0.67019
3601	SLU 51	-1.39965	-1.39965	SLV 5	-0.6397	-0.6397

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
3602	SLU 51	-1.01166	-1.01166	SLV 9	-0.48501	-0.48501
3603	SLU 51	-1.31734	-1.31734	SLV 5	-0.66463	-0.66463
3604	SLU 51	-1.33179	-1.33179	SLV 5	-0.65128	-0.65128
3605	SLU 51	-1.3237	-1.3237	SLV 5	-0.65755	-0.65755
3606	SLV 7	-1.21772	-1.21772	SLV 9	-0.30643	-0.30643
3607	SLU 51	-1.00643	-1.00643	SLV 9	-0.47213	-0.47213
3608	SLU 52	-1.00821	-1.00821	SLV 9	-0.43634	-0.43634
3609	SLV 7	-1.48317	-1.48317	SLV 9	-0.14931	-0.14931
3610	SLU 51	-1.35447	-1.35447	SLV 5	-0.64132	-0.64132
3611	SLU 51	-1.00262	-1.00262	SLV 9	-0.45989	-0.45989
3612	SLU 52	-1.01801	-1.01801	SLV 5	-0.42051	-0.42051
3613	SLU 51	-1.36762	-1.36762	SLV 5	-0.63824	-0.63824
3614	SLU 51	-1.00116	-1.00116	SLV 9	-0.44887	-0.44887
3615	SLU 51	-1.00262	-1.00262	SLV 9	-0.44017	-0.44017
3616	SLU 52	-1.02858	-1.02858	SLV 5	-0.41754	-0.41754
3617	SLU 52	-1.43218	-1.43218	SLV 5	-0.63555	-0.63555
3618	SLU 52	-1.04162	-1.04162	SLV 5	-0.42145	-0.42145
3619	SLU 52	-1.41961	-1.41961	SLV 5	-0.63418	-0.63418
3620	SLU 52	-1.03722	-1.03722	SLV 5	-0.4162	-0.4162
3621	SLV 7	-1.17435	-1.17435	SLV 9	-0.32836	-0.32836
3622	SLU 52	-1.43018	-1.43018	SLV 5	-0.63305	-0.63305
3623	SLU 52	-1.04223	-1.04223	SLV 5	-0.41481	-0.41481
3624	SLU 52	-1.04307	-1.04307	SLV 5	-0.41759	-0.41759
3625	SLU 52	-1.42583	-1.42583	SLV 5	-0.63182	-0.63182
3626	SLU 52	-1.04381	-1.04381	SLV 5	-0.41481	-0.41481
3627	SLV 7	-1.45996	-1.45996	SLV 9	-0.15516	-0.15516
3628	SLU 52	-1.1504	-1.1504	SLV 9	-0.34411	-0.34411
3629	SLU 50	-1.01309	-1.01309	SLV 1	-0.53058	-0.53058
3630	SLU 52	-1.0139	-1.0139	SLV 9	-0.41703	-0.41703
3631	SLU 52	-1.03343	-1.03343	SLV 5	-0.40986	-0.40986
3632	SLU 52	-1.42368	-1.42368	SLV 5	-0.61973	-0.61973
3633	SLU 52	-1.02408	-1.02408	SLV 9	-0.4121	-0.4121
3634	SLU 50	-0.99026	-0.99026	SLV 1	-0.51613	-0.51613
3635	SLU 52	-1.40234	-1.40234	SLV 9	-0.61332	-0.61332
3636	SLU 52	-1.4154	-1.4154	SLV 9	-0.61594	-0.61594
3637	SLU 50	-0.96907	-0.96907	SLV 1	-0.50241	-0.50241
3638	SLU 52	-1.3847	-1.3847	SLV 9	-0.60969	-0.60969
3639	SLV 7	-1.50382	-1.50382	SLV 9	-0.12112	-0.12112
3640	SLV 7	-1.43618	-1.43618	SLV 9	-0.16109	-0.16109
3641	SLU 50	-0.95107	-0.95107	SLV 1	-0.4901	-0.4901
3642	SLU 50	-0.93749	-0.93749	SLV 1	-0.47955	-0.47955
3643	SLU 52	-0.92917	-0.92917	SLV 1	-0.47103	-0.47103
3644	SLU 52	-1.36532	-1.36532	SLV 9	-0.60638	-0.60638
3645	SLU 52	-0.94374	-0.94374	SLV 1	-0.44955	-0.44955
3646	SLU 52	-0.92759	-0.92759	SLV 1	-0.4602	-0.4602
3647	SLV 7	-1.3692	-1.3692	SLV 9	-0.19866	-0.19866
3648	SLU 52	-0.9486	-0.9486	SLV 1	-0.44427	-0.44427
3649	SLU 52	-0.93206	-0.93206	SLV 1	-0.45668	-0.45668
3650	SLU 52	-0.92607	-0.92607	SLV 1	-0.4646	-0.4646
3651	SLU 52	-0.95313	-0.95313	SLV 1	-0.43803	-0.43803
3652	SLU 52	-1.3473	-1.3473	SLV 9	-0.60508	-0.60508
3653	SLU 52	-0.93779	-0.93779	SLV 1	-0.45319	-0.45319
3654	SLU 52	-1.31547	-1.31547	SLV 9	-0.60542	-0.60542
3655	SLU 52	-1.29954	-1.29954	SLV 9	-0.60456	-0.60456
3656	SLU 52	-1.33088	-1.33088	SLV 9	-0.60502	-0.60502
3657	SLU 52	-1.13209	-1.13209	SLV 9	-0.46738	-0.46738
3658	SLU 52	-0.95834	-0.95834	SLV 5	-0.431	-0.431
3659	SLU 52	-1.136	-1.136	SLV 9	-0.48727	-0.48727
3660	SLU 52	-0.9653	-0.9653	SLV 5	-0.42284	-0.42284
3661	SLU 52	-1.28131	-1.28131	SLV 9	-0.60076	-0.60076
3662	SLU 52	-0.97461	-0.97461	SLV 5	-0.41585	-0.41585
3663	SLU 52	-1.00235	-1.00235	SLV 9	-0.41589	-0.41589
3664	SLU 52	-1.13977	-1.13977	SLV 9	-0.50332	-0.50332
3665	SLU 51	-1.00572	-1.00572	SLV 9	-0.47941	-0.47941
3666	SLU 51	-1.09533	-1.09533	SLV 9	-0.58651	-0.58651
3667	SLU 51	-1.23244	-1.23244	SLV 5	-0.64734	-0.64734
3668	SLU 51	-1.21325	-1.21325	SLV 5	-0.64248	-0.64248
3669	SLV 7	-1.30917	-1.30917	SLV 9	-0.23126	-0.23126
3670	SLU 51	-1.19614	-1.19614	SLV 5	-0.6378	-0.6378
3671	SLU 51	-1.11461	-1.11461	SLV 9	-0.59973	-0.59973
3672	SLU 51	-1.18162	-1.18162	SLV 5	-0.63353	-0.63353
3673	SLU 51	-1.07527	-1.07527	SLV 9	-0.57145	-0.57145
3674	SLU 51	-1.25221	-1.25221	SLV 5	-0.65152	-0.65152
3675	SLU 52	-0.98582	-0.98582	SLV 5	-0.40977	-0.40977
3676	SLU 52	-1.12832	-1.12832	SLV 9	-0.38696	-0.38696
3677	SLU 51	-1.16926	-1.16926	SLV 5	-0.62938	-0.62938
3678	SLU 51	-1.00958	-1.00958	SLV 9	-0.49106	-0.49106
3679	SLU 52	-1.14422	-1.14422	SLV 9	-0.51688	-0.51688
3680	SLU 51	-1.27056	-1.27056	SLV 5	-0.65401	-0.65401
3681	SLU 51	-1.14582	-1.14582	SLV 5	-0.61868	-0.61868
3682	SLU 51	-1.13151	-1.13151	SLV 5	-0.61036	-0.61036
3683	SLU 51	-1.15783	-1.15783	SLV 5	-0.62466	-0.62466
3684	SLU 52	-1.12615	-1.12615	SLV 9	-0.41558	-0.41558
3685	SLU 51	-1.05645	-1.05645	SLV 9	-0.55577	-0.55577
3686	SLU 52	-1.15081	-1.15081	SLV 9	-0.52926	-0.52926
3687	SLU 51	-1.01382	-1.01382	SLV 9	-0.50244	-0.50244
3688	SLU 52	-1.16064	-1.16064	SLV 9	-0.54092	-0.54092
3689	SLU 52	-1.19271	-1.19271	SLV 9	-0.56396	-0.56396
3690	SLU 52	-1.17451	-1.17451	SLV 9	-0.55231	-0.55231
3691	SLU 51	-1.01962	-1.01962	SLV 9	-0.51408	-0.51408
3692	SLU 51	-1.28572	-1.28572	SLV 5	-0.65384	-0.65384
3693	SLU 51	-1.04047	-1.04047	SLV 9	-0.54057	-0.54057
3694	SLU 52	-1.21406	-1.21406	SLV 9	-0.57486	-0.57486
3695	SLU 51	-1.29716	-1.29716	SLV 5	-0.65079	-0.65079
3696	SLU 51	-1.02816	-1.02816	SLV 9	-0.52655	-0.52655
3697	SLU 52	-1.13415	-1.13415	SLV 9	-0.35427	-0.35427
3698	SLU 51	-1.33222	-1.33222	SLV 5	-0.62565	-0.62565
3699	SLU 51	-1.30576	-1.30576	SLV 5	-0.64534	-0.64534
3700	SLU 51	-1.39872	-1.39872	SLV 5	-0.612	-0.612

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
3701	SLU 52	-1.127	-1.127	SLV 9	-0.44099	-0.44099
3702	SLU 51	-1.38668	-1.38668	SLV 5	-0.61279	-0.61279
3703	SLU 52	-0.99772	-0.99772	SLV 5	-0.40394	-0.40394
3704	SLU 51	-1.31322	-1.31322	SLV 5	-0.63833	-0.63833
3705	SLU 52	-1.42023	-1.42023	SLV 5	-0.61157	-0.61157
3706	SLU 52	-1.25971	-1.25971	SLV 9	-0.5928	-0.5928
3707	SLU 51	-1.32157	-1.32157	SLV 5	-0.63128	-0.63128
3708	SLU 52	-1.23687	-1.23687	SLV 9	-0.58433	-0.58433
3709	SLU 52	-1.03522	-1.03522	SLV 5	-0.39948	-0.39948
3710	SLU 51	-1.37245	-1.37245	SLV 5	-0.61401	-0.61401
3711	SLU 51	-1.34419	-1.34419	SLV 5	-0.62008	-0.62008
3712	SLU 52	-0.9951	-0.9951	SLV 9	-0.42064	-0.42064
3713	SLU 51	-0.99627	-0.99627	SLV 9	-0.45257	-0.45257
3714	SLV 7	-1.2538	-1.2538	SLV 9	-0.26124	-0.26124
3715	SLU 51	-0.99332	-0.99332	SLV 9	-0.44032	-0.44032
3716	SLU 51	-1.35772	-1.35772	SLV 5	-0.61604	-0.61604
3717	SLU 51	-0.99242	-0.99242	SLV 9	-0.42917	-0.42917
3718	SLU 51	-0.99997	-0.99997	SLV 9	-0.46453	-0.46453
3719	SLU 52	-1.40825	-1.40825	SLV 5	-0.60989	-0.60989
3720	SLU 52	-1.00926	-1.00926	SLV 5	-0.39881	-0.39881
3721	SLU 52	-1.41555	-1.41555	SLV 5	-0.60934	-0.60934
3722	SLU 52	-1.03607	-1.03607	SLV 5	-0.39527	-0.39527
3723	SLU 52	-1.02871	-1.02871	SLV 5	-0.39428	-0.39428
3724	SLV 7	-1.2017	-1.2017	SLV 9	-0.29107	-0.29107
3725	SLU 52	-1.01992	-1.01992	SLV 5	-0.39549	-0.39549
3726	SLU 52	-1.03413	-1.03413	SLV 5	-0.39392	-0.39392
3727	SLV 7	-1.15625	-1.15625	SLV 9	-0.31886	-0.31886
3728	SLV 7	-1.53585	-1.53585	SLV 9	-0.07633	-0.07633
3729	SLV 7	-1.46707	-1.46707	SLV 9	-0.11654	-0.11654
3730	SLV 7	-1.40641	-1.40641	SLV 9	-0.15128	-0.15128
3731	SLV 7	-1.34441	-1.34441	SLV 9	-0.18652	-0.18652
3732	SLV 7	-1.28315	-1.28315	SLV 9	-0.22187	-0.22187
3733	SLV 7	-1.22484	-1.22484	SLV 9	-0.25679	-0.25679
3734	SLV 7	-1.17131	-1.17131	SLV 9	-0.29082	-0.29082
3735	SLV 7	-1.12385	-1.12385	SLV 9	-0.32355	-0.32355
3736	SLU 52	-1.11383	-1.11383	SLV 9	-0.35462	-0.35462
3737	SLU 52	-1.11119	-1.11119	SLV 9	-0.38369	-0.38369
3738	SLU 52	-1.1118	-1.1118	SLV 9	-0.41039	-0.41039
3739	SLU 52	-1.11453	-1.11453	SLV 9	-0.43434	-0.43434
3740	SLU 52	-1.1184	-1.1184	SLV 9	-0.45533	-0.45533
3741	SLU 52	-1.12299	-1.12299	SLV 9	-0.47342	-0.47342
3742	SLU 52	-1.12862	-1.12862	SLV 9	-0.48904	-0.48904
3743	SLU 52	-1.13624	-1.13624	SLV 9	-0.50288	-0.50288
3744	SLU 52	-1.14696	-1.14696	SLV 9	-0.51566	-0.51566
3745	SLU 52	-1.16149	-1.16149	SLV 9	-0.52789	-0.52789
3746	SLU 52	-1.17985	-1.17985	SLV 9	-0.53976	-0.53976
3747	SLU 52	-1.20125	-1.20125	SLV 9	-0.55102	-0.55102
3748	SLU 52	-1.22418	-1.22418	SLV 9	-0.56106	-0.56106
3749	SLU 52	-1.24679	-1.24679	SLV 9	-0.56909	-0.56909
3750	SLU 52	-1.26759	-1.26759	SLV 9	-0.57452	-0.57452
3751	SLU 52	-1.2861	-1.2861	SLV 9	-0.57726	-0.57726
3752	SLU 52	-1.30288	-1.30288	SLV 9	-0.57789	-0.57789
3753	SLU 52	-1.31904	-1.31904	SLV 9	-0.57735	-0.57735
3754	SLU 52	-1.33558	-1.33558	SLV 9	-0.57666	-0.57666
3755	SLU 52	-1.35275	-1.35275	SLV 9	-0.57656	-0.57656
3756	SLU 52	-1.36984	-1.36984	SLV 9	-0.57738	-0.57738
3757	SLU 52	-1.38538	-1.38538	SLV 9	-0.579	-0.579
3758	SLU 52	-1.39758	-1.39758	SLV 9	-0.58094	-0.58094
3759	SLU 52	-1.40503	-1.40503	SLV 5	-0.58261	-0.58261
3760	SLU 52	-1.40714	-1.40714	SLV 5	-0.5836	-0.5836
3761	SLU 52	-1.40411	-1.40411	SLV 5	-0.58409	-0.58409
3762	SLU 52	-1.3967	-1.3967	SLV 5	-0.58462	-0.58462
3763	SLU 52	-1.38585	-1.38585	SLV 5	-0.58566	-0.58566
3764	SLU 51	-1.37439	-1.37439	SLV 5	-0.58748	-0.58748
3765	SLU 51	-1.36122	-1.36122	SLV 5	-0.59017	-0.59017
3766	SLU 51	-1.34727	-1.34727	SLV 5	-0.59384	-0.59384
3767	SLU 51	-1.33369	-1.33369	SLV 5	-0.59862	-0.59862
3768	SLU 51	-1.32149	-1.32149	SLV 5	-0.60461	-0.60461
3769	SLU 51	-1.31118	-1.31118	SLV 5	-0.61164	-0.61164
3770	SLU 51	-1.30245	-1.30245	SLV 5	-0.6192	-0.6192
3771	SLU 51	-1.29421	-1.29421	SLV 5	-0.62639	-0.62639
3772	SLU 51	-1.28485	-1.28485	SLV 5	-0.6321	-0.6321
3773	SLU 51	-1.27284	-1.27284	SLV 5	-0.6354	-0.6354
3774	SLU 51	-1.25753	-1.25753	SLV 5	-0.63591	-0.63591
3775	SLU 51	-1.23953	-1.23953	SLV 5	-0.63396	-0.63396
3776	SLU 51	-1.22031	-1.22031	SLV 5	-0.63038	-0.63038
3777	SLU 51	-1.20158	-1.20158	SLV 5	-0.62608	-0.62608
3778	SLU 51	-1.18459	-1.18459	SLV 5	-0.62171	-0.62171
3779	SLU 51	-1.16983	-1.16983	SLV 5	-0.61751	-0.61751
3780	SLU 51	-1.15694	-1.15694	SLV 5	-0.61325	-0.61325
3781	SLU 51	-1.14483	-1.14483	SLV 5	-0.60833	-0.60833
3782	SLU 51	-1.1321	-1.1321	SLV 5	-0.60196	-0.60196
3783	SLU 51	-1.1175	-1.1175	SLV 5	-0.59345	-0.59345
3784	SLU 51	-1.10058	-1.10058	SLV 9	-0.58252	-0.58252
3785	SLU 51	-1.08191	-1.08191	SLV 9	-0.56941	-0.56941
3786	SLU 51	-1.06284	-1.06284	SLV 9	-0.55481	-0.55481
3787	SLU 51	-1.04496	-1.04496	SLV 9	-0.5396	-0.5396
3788	SLU 51	-1.0296	-1.0296	SLV 9	-0.52461	-0.52461
3789	SLU 51	-1.0175	-1.0175	SLV 9	-0.51037	-0.51037
3790	SLU 51	-1.00869	-1.00869	SLV 9	-0.49706	-0.49706
3791	SLU 51	-1.00252	-1.00252	SLV 9	-0.48447	-0.48447
3792	SLU 51	-0.99792	-0.99792	SLV 9	-0.47215	-0.47215
3793	SLU 51	-0.99386	-0.99386	SLV 9	-0.45961	-0.45961
3794	SLU 51	-0.9899	-0.9899	SLV 9	-0.44667	-0.44667
3795	SLU 51	-0.98631	-0.98631	SLV 9	-0.43356	-0.43356
3796	SLU 51	-0.98388	-0.98388	SLV 9	-0.42088	-0.42088
3797	SLU 52	-0.98354	-0.98354	SLV 9	-0.40931	-0.40931
3798	SLU 52	-0.98749	-0.98749	SLV 9	-0.39943	-0.39943
3799	SLU 52	-0.99411	-0.99411	SLV 9	-0.39154	-0.39154

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
3800	SLU 52	-1.00254	-1.00254	SLV 9	-0.38565	-0.38565
3801	SLU 52	-1.01151	-1.01151	SLV 9	-0.38138	-0.38138
3802	SLU 52	-1.01957	-1.01957	SLV 5	-0.37818	-0.37818
3803	SLU 52	-1.02535	-1.02535	SLV 5	-0.37563	-0.37563
3804	SLU 52	-1.02774	-1.02774	SLV 5	-0.37379	-0.37379
3805	SLU 52	-1.02621	-1.02621	SLV 5	-0.37303	-0.37303
3806	SLU 52	-1.02087	-1.02087	SLV 5	-0.37365	-0.37365
3807	SLU 52	-1.01239	-1.01239	SLV 5	-0.37569	-0.37569
3808	SLU 52	-1.0017	-1.0017	SLV 5	-0.37904	-0.37904
3809	SLU 52	-0.98988	-0.98988	SLV 5	-0.38358	-0.38358
3810	SLU 52	-0.97803	-0.97803	SLV 5	-0.38927	-0.38927
3811	SLU 52	-0.96715	-0.96715	SLV 5	-0.39608	-0.39608
3812	SLU 52	-0.95794	-0.95794	SLV 5	-0.40389	-0.40389
3813	SLU 52	-0.95057	-0.95057	SLV 5	-0.41235	-0.41235
3814	SLU 52	-0.94468	-0.94468	SLV 5	-0.42094	-0.42094
3815	SLU 52	-0.93948	-0.93948	SLV 5	-0.429	-0.429
3816	SLU 52	-0.9342	-0.9342	SLV 1	-0.43487	-0.43487
3817	SLU 52	-0.92854	-0.92854	SLV 1	-0.43954	-0.43954
3818	SLU 52	-0.92303	-0.92303	SLV 1	-0.44357	-0.44357
3819	SLU 52	-0.9189	-0.9189	SLV 1	-0.44767	-0.44767
3820	SLU 52	-0.91764	-0.91764	SLV 1	-0.45263	-0.45263
3821	SLU 52	-0.92047	-0.92047	SLV 1	-0.4591	-0.4591
3822	SLU 50	-0.92822	-0.92822	SLV 1	-0.46741	-0.46741
3823	SLU 50	-0.94089	-0.94089	SLV 1	-0.47761	-0.47761
3824	SLU 50	-0.95781	-0.95781	SLV 1	-0.48945	-0.48945
3825	SLU 50	-0.9779	-0.9779	SLV 1	-0.50248	-0.50248
3826	SLU 50	-0.99973	-0.99973	SLV 1	-0.51613	-0.51613

7.4 Verifica effetti secondo ordine

***Quota inferiore**: quota inferiore esprimibile come livello, falda, piano orizzontale alla Z specificata. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Quota superiore**: quota superiore esprimibile come livello, falda, piano orizzontale alla Z specificata. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Comb.**: combinazione.*
***N.b.**: nome breve o compatto della combinazione di carico.*
***Carico verticale**: carico verticale. [daN]*
***Spostamento**: spostamento medio di interpiano. [cm]*
***Forza orizzontale totale**: forza orizzontale totale. [daN]*
***Altezza del piano**: altezza del piano. [cm]*
***Theta**: coefficiente Theta formula [7.3.3] § 7.3.1. Il valore è adimensionale.*

Quota inferiore	Quota superiore	Comb.	Carico verticale	Spostamento	Forza orizzontale totale	Altezza del piano	Theta
		N.b.					
fondo corsa	Fondazione	SLV 1	38374	0.061	210828	67	0
fondo corsa	Fondazione	SLV 2	38374	0.061	210828	67	0
fondo corsa	Fondazione	SLV 3	39233	0.041	188857	67	0
fondo corsa	Fondazione	SLV 4	39233	0.041	188857	67	0
fondo corsa	Fondazione	SLV 5	41366	0.068	240163	67	0
fondo corsa	Fondazione	SLV 6	41366	0.068	240163	67	0
fondo corsa	Fondazione	SLV 7	44229	0.053	229666	67	0
fondo corsa	Fondazione	SLV 8	44229	0.053	229666	67	0
fondo corsa	Fondazione	SLV 9	44790	0.051	221475	67	0
fondo corsa	Fondazione	SLV 10	44790	0.051	221475	67	0
fondo corsa	Fondazione	SLV 11	47653	0.07	254914	67	0
fondo corsa	Fondazione	SLV 12	47653	0.07	254914	67	0
fondo corsa	Fondazione	SLV 13	49787	0.043	200074	67	0
fondo corsa	Fondazione	SLV 14	49787	0.043	200074	67	0
fondo corsa	Fondazione	SLV 15	50646	0.064	228277	67	0
fondo corsa	Fondazione	SLV 16	50646	0.064	228277	67	0
Fondazione	p.lo 1	SLV 1	3444273	0.658	191225	363	0.033
Fondazione	p.lo 1	SLV 2	3444273	0.658	191225	363	0.033
Fondazione	p.lo 1	SLV 3	3464147	0.405	172801	363	0.022
Fondazione	p.lo 1	SLV 4	3464147	0.405	172801	363	0.022
Fondazione	p.lo 1	SLV 5	3430156	0.671	200927	363	0.032
Fondazione	p.lo 1	SLV 6	3430156	0.671	200927	363	0.032
Fondazione	p.lo 1	SLV 7	3496404	0.404	183480	363	0.021
Fondazione	p.lo 1	SLV 8	3496404	0.404	183480	363	0.021
Fondazione	p.lo 1	SLV 9	3437930	0.428	183480	363	0.022
Fondazione	p.lo 1	SLV 10	3437930	0.428	183480	363	0.022
Fondazione	p.lo 1	SLV 11	3504178	0.648	200927	363	0.031
Fondazione	p.lo 1	SLV 12	3504178	0.648	200927	363	0.031
Fondazione	p.lo 1	SLV 13	3470187	0.394	172801	363	0.022
Fondazione	p.lo 1	SLV 14	3470187	0.394	172801	363	0.022
Fondazione	p.lo 1	SLV 15	3490061	0.64	191225	363	0.032
Fondazione	p.lo 1	SLV 16	3490061	0.64	191225	363	0.032
p.lo 1	Piano 1	SLV 1	3385109	0.523	187359	180	0.052
p.lo 1	Piano 1	SLV 2	3385109	0.523	187359	180	0.052
p.lo 1	Piano 1	SLV 3	3402982	0.349	174391	180	0.038
p.lo 1	Piano 1	SLV 4	3402982	0.349	174391	180	0.038
p.lo 1	Piano 1	SLV 5	3375367	0.473	197461	180	0.045
p.lo 1	Piano 1	SLV 6	3375367	0.473	197461	180	0.045
p.lo 1	Piano 1	SLV 7	3434942	0.269	185202	180	0.028
p.lo 1	Piano 1	SLV 8	3434942	0.269	185202	180	0.028
p.lo 1	Piano 1	SLV 9	3384888	0.27	185202	180	0.027
p.lo 1	Piano 1	SLV 10	3384888	0.27	185202	180	0.027
p.lo 1	Piano 1	SLV 11	3444464	0.473	197461	180	0.046
p.lo 1	Piano 1	SLV 12	3444464	0.473	197461	180	0.046
p.lo 1	Piano 1	SLV 13	3416848	0.349	174391	180	0.038
p.lo 1	Piano 1	SLV 14	3416848	0.349	174391	180	0.038
p.lo 1	Piano 1	SLV 15	3434721	0.522	187359	180	0.053
p.lo 1	Piano 1	SLV 16	3434721	0.522	187359	180	0.053

Quota inferiore	Quota superiore	Comb.	Carico verticale	Spostamento	Forza orizzontale totale	Altezza del piano	Theta
		N.b.					
Fondazione	Piano 1	SLV 1	3385109	1.17	187359	542	0.039
Fondazione	Piano 1	SLV 2	3385109	1.17	187359	542	0.039
Fondazione	Piano 1	SLV 3	3402982	0.74	174391	542	0.027
Fondazione	Piano 1	SLV 4	3402982	0.74	174391	542	0.027
Fondazione	Piano 1	SLV 5	3375367	1.151	197461	542	0.036
Fondazione	Piano 1	SLV 6	3375367	1.151	197461	542	0.036
Fondazione	Piano 1	SLV 7	3434942	0.69	185202	542	0.024
Fondazione	Piano 1	SLV 8	3434942	0.69	185202	542	0.024
Fondazione	Piano 1	SLV 9	3384888	0.713	185202	542	0.024
Fondazione	Piano 1	SLV 10	3384888	0.713	185202	542	0.024
Fondazione	Piano 1	SLV 11	3444464	1.13	197461	542	0.036
Fondazione	Piano 1	SLV 12	3444464	1.13	197461	542	0.036
Fondazione	Piano 1	SLV 13	3416848	0.73	174391	542	0.026
Fondazione	Piano 1	SLV 14	3416848	0.73	174391	542	0.026
Fondazione	Piano 1	SLV 15	3434721	1.153	187359	542	0.039
Fondazione	Piano 1	SLV 16	3434721	1.153	187359	542	0.039
Piano 1	p.lo 2	SLV 1	2758278	0.436	173417	155	0.045
Piano 1	p.lo 2	SLV 2	2758278	0.436	173417	155	0.045
Piano 1	p.lo 2	SLV 3	2772082	0.287	153272	155	0.033
Piano 1	p.lo 2	SLV 4	2772082	0.287	153272	155	0.033
Piano 1	p.lo 2	SLV 5	2753626	0.41	184307	155	0.039
Piano 1	p.lo 2	SLV 6	2753626	0.41	184307	155	0.039
Piano 1	p.lo 2	SLV 7	2799637	0.23	165493	155	0.025
Piano 1	p.lo 2	SLV 8	2799637	0.23	165493	155	0.025
Piano 1	p.lo 2	SLV 9	2763442	0.245	165493	155	0.026
Piano 1	p.lo 2	SLV 10	2763442	0.245	165493	155	0.026
Piano 1	p.lo 2	SLV 11	2809452	0.394	184307	155	0.039
Piano 1	p.lo 2	SLV 12	2809452	0.394	184307	155	0.039
Piano 1	p.lo 2	SLV 13	2790997	0.274	153272	155	0.032
Piano 1	p.lo 2	SLV 14	2790997	0.274	153272	155	0.032
Piano 1	p.lo 2	SLV 15	2804800	0.421	173417	155	0.044
Piano 1	p.lo 2	SLV 16	2804800	0.421	173417	155	0.044
p.lo 2	Piano 2	SLV 1	2738445	0.416	174126	155	0.042
p.lo 2	Piano 2	SLV 2	2738445	0.416	174126	155	0.042
p.lo 2	Piano 2	SLV 3	2752770	0.269	156197	155	0.031
p.lo 2	Piano 2	SLV 4	2752770	0.269	156197	155	0.031
p.lo 2	Piano 2	SLV 5	2709122	0.403	184462	155	0.038
p.lo 2	Piano 2	SLV 6	2709122	0.403	184462	155	0.038
p.lo 2	Piano 2	SLV 7	2756874	0.232	167642	155	0.025
p.lo 2	Piano 2	SLV 8	2756874	0.232	167642	155	0.025
p.lo 2	Piano 2	SLV 9	2698314	0.248	167642	155	0.026
p.lo 2	Piano 2	SLV 10	2698314	0.248	167642	155	0.026
p.lo 2	Piano 2	SLV 11	2746066	0.385	184462	155	0.037
p.lo 2	Piano 2	SLV 12	2746066	0.385	184462	155	0.037
p.lo 2	Piano 2	SLV 13	2702418	0.253	156197	155	0.028
p.lo 2	Piano 2	SLV 14	2702418	0.253	156197	155	0.028
p.lo 2	Piano 2	SLV 15	2716743	0.398	174126	155	0.04
p.lo 2	Piano 2	SLV 16	2716743	0.398	174126	155	0.04
Piano 1	Piano 2	SLV 1	2738445	0.831	174126	310	0.042
Piano 1	Piano 2	SLV 2	2738445	0.831	174126	310	0.042
Piano 1	Piano 2	SLV 3	2752770	0.532	156197	310	0.03
Piano 1	Piano 2	SLV 4	2752770	0.532	156197	310	0.03
Piano 1	Piano 2	SLV 5	2709122	0.809	184462	310	0.038
Piano 1	Piano 2	SLV 6	2709122	0.809	184462	310	0.038
Piano 1	Piano 2	SLV 7	2756874	0.468	167642	310	0.025
Piano 1	Piano 2	SLV 8	2756874	0.468	167642	310	0.025
Piano 1	Piano 2	SLV 9	2698314	0.499	167642	310	0.026
Piano 1	Piano 2	SLV 10	2698314	0.499	167642	310	0.026
Piano 1	Piano 2	SLV 11	2746066	0.777	184462	310	0.037
Piano 1	Piano 2	SLV 12	2746066	0.777	184462	310	0.037
Piano 1	Piano 2	SLV 13	2702418	0.508	156197	310	0.028
Piano 1	Piano 2	SLV 14	2702418	0.508	156197	310	0.028
Piano 1	Piano 2	SLV 15	2716743	0.801	174126	310	0.04
Piano 1	Piano 2	SLV 16	2716743	0.801	174126	310	0.04
Piano 2	p.lo 3	SLV 1	2074004	0.421	147706	155	0.038
Piano 2	p.lo 3	SLV 2	2074004	0.421	147706	155	0.038
Piano 2	p.lo 3	SLV 3	2104937	0.272	128349	155	0.029
Piano 2	p.lo 3	SLV 4	2104937	0.272	128349	155	0.029
Piano 2	p.lo 3	SLV 5	2047483	0.408	158154	155	0.034
Piano 2	p.lo 3	SLV 6	2047483	0.408	158154	155	0.034
Piano 2	p.lo 3	SLV 7	2150591	0.229	140247	155	0.023
Piano 2	p.lo 3	SLV 8	2150591	0.229	140247	155	0.023
Piano 2	p.lo 3	SLV 9	2055682	0.253	140247	155	0.024
Piano 2	p.lo 3	SLV 10	2055682	0.253	140247	155	0.024
Piano 2	p.lo 3	SLV 11	2158791	0.382	158154	155	0.034
Piano 2	p.lo 3	SLV 12	2158791	0.382	158154	155	0.034
Piano 2	p.lo 3	SLV 13	2101337	0.25	128349	155	0.026
Piano 2	p.lo 3	SLV 14	2101337	0.25	128349	155	0.026
Piano 2	p.lo 3	SLV 15	2132269	0.395	147706	155	0.037
Piano 2	p.lo 3	SLV 16	2132269	0.395	147706	155	0.037
Piano 2	Piano 3	SLV 1	2047609	0.822	146574	310	0.037
Piano 2	Piano 3	SLV 2	2047609	0.822	146574	310	0.037
Piano 2	Piano 3	SLV 3	2057792	0.524	133498	310	0.026
Piano 2	Piano 3	SLV 4	2057792	0.524	133498	310	0.026
Piano 2	Piano 3	SLV 5	2033761	0.807	154174	310	0.034
Piano 2	Piano 3	SLV 6	2033761	0.807	154174	310	0.034
Piano 2	Piano 3	SLV 7	2067704	0.459	141800	310	0.022
Piano 2	Piano 3	SLV 8	2067704	0.459	141800	310	0.022
Piano 2	Piano 3	SLV 9	2032074	0.502	141800	310	0.023
Piano 2	Piano 3	SLV 10	2032074	0.502	141800	310	0.023
Piano 2	Piano 3	SLV 11	2066017	0.763	154174	310	0.033
Piano 2	Piano 3	SLV 12	2066017	0.763	154174	310	0.033
Piano 2	Piano 3	SLV 13	2041986	0.495	133498	310	0.024
Piano 2	Piano 3	SLV 14	2041986	0.495	133498	310	0.024
Piano 2	Piano 3	SLV 15	2052169	0.783	146574	310	0.035
Piano 2	Piano 3	SLV 16	2052169	0.783	146574	310	0.035
p.lo 3	Piano 3	SLV 1	2047609	0.41	146574	155	0.037
p.lo 3	Piano 3	SLV 2	2047609	0.41	146574	155	0.037

Quota inferiore	Quota superiore	Comb.	Carico verticale	Spostamento	Forza orizzontale totale	Altezza del piano	Theta
		N.b.					
p.lo 3	Piano 3	SLV 3	2057792	0.262	133498	155	0.026
p.lo 3	Piano 3	SLV 4	2057792	0.262	133498	155	0.026
p.lo 3	Piano 3	SLV 5	2033761	0.4	154174	155	0.034
p.lo 3	Piano 3	SLV 6	2033761	0.4	154174	155	0.034
p.lo 3	Piano 3	SLV 7	2067704	0.228	141800	155	0.021
p.lo 3	Piano 3	SLV 8	2067704	0.228	141800	155	0.021
p.lo 3	Piano 3	SLV 9	2032074	0.249	141800	155	0.023
p.lo 3	Piano 3	SLV 10	2032074	0.249	141800	155	0.023
p.lo 3	Piano 3	SLV 11	2066017	0.381	154174	155	0.033
p.lo 3	Piano 3	SLV 12	2066017	0.381	154174	155	0.033
p.lo 3	Piano 3	SLV 13	2041986	0.253	133498	155	0.025
p.lo 3	Piano 3	SLV 14	2041986	0.253	133498	155	0.025
p.lo 3	Piano 3	SLV 15	2052169	0.395	146574	155	0.036
p.lo 3	Piano 3	SLV 16	2052169	0.395	146574	155	0.036
Piano 3	p.lo 4	SLV 1	1432395	0.401	123230	155	0.03
Piano 3	p.lo 4	SLV 2	1432395	0.401	123230	155	0.03
Piano 3	p.lo 4	SLV 3	1436073	0.255	104442	155	0.023
Piano 3	p.lo 4	SLV 4	1436073	0.255	104442	155	0.023
Piano 3	p.lo 4	SLV 5	1421618	0.393	122914	155	0.029
Piano 3	p.lo 4	SLV 6	1421618	0.393	122914	155	0.029
Piano 3	p.lo 4	SLV 7	1433877	0.221	104068	155	0.02
Piano 3	p.lo 4	SLV 8	1433877	0.221	104068	155	0.02
Piano 3	p.lo 4	SLV 9	1416059	0.246	104068	155	0.022
Piano 3	p.lo 4	SLV 10	1416059	0.246	104068	155	0.022
Piano 3	p.lo 4	SLV 11	1428318	0.37	122914	155	0.028
Piano 3	p.lo 4	SLV 12	1428318	0.37	122914	155	0.028
Piano 3	p.lo 4	SLV 13	1413863	0.245	104442	155	0.021
Piano 3	p.lo 4	SLV 14	1413863	0.245	104442	155	0.021
Piano 3	p.lo 4	SLV 15	1417541	0.383	123230	155	0.028
Piano 3	p.lo 4	SLV 16	1417541	0.383	123230	155	0.028
p.lo 4	Piano 4	SLV 1	1363479	0.385	121523	155	0.028
p.lo 4	Piano 4	SLV 2	1363479	0.385	121523	155	0.028
p.lo 4	Piano 4	SLV 3	1364892	0.245	106848	155	0.02
p.lo 4	Piano 4	SLV 4	1364892	0.245	106848	155	0.02
p.lo 4	Piano 4	SLV 5	1368652	0.38	116637	155	0.029
p.lo 4	Piano 4	SLV 6	1368652	0.38	116637	155	0.029
p.lo 4	Piano 4	SLV 7	1373360	0.215	101257	155	0.019
p.lo 4	Piano 4	SLV 8	1373360	0.215	101257	155	0.019
p.lo 4	Piano 4	SLV 9	1374498	0.239	101257	155	0.021
p.lo 4	Piano 4	SLV 10	1374498	0.239	101257	155	0.021
p.lo 4	Piano 4	SLV 11	1379206	0.357	116637	155	0.027
p.lo 4	Piano 4	SLV 12	1379206	0.357	116637	155	0.027
p.lo 4	Piano 4	SLV 13	1382966	0.231	106848	155	0.019
p.lo 4	Piano 4	SLV 14	1382966	0.231	106848	155	0.019
p.lo 4	Piano 4	SLV 15	1384379	0.365	121523	155	0.027
p.lo 4	Piano 4	SLV 16	1384379	0.365	121523	155	0.027
Piano 3	Piano 4	SLV 1	1363479	0.788	121523	310	0.029
Piano 3	Piano 4	SLV 2	1363479	0.788	121523	310	0.029
Piano 3	Piano 4	SLV 3	1364892	0.501	106848	310	0.021
Piano 3	Piano 4	SLV 4	1364892	0.501	106848	310	0.021
Piano 3	Piano 4	SLV 5	1368652	0.777	116637	310	0.029
Piano 3	Piano 4	SLV 6	1368652	0.777	116637	310	0.029
Piano 3	Piano 4	SLV 7	1373360	0.439	101257	310	0.019
Piano 3	Piano 4	SLV 8	1373360	0.439	101257	310	0.019
Piano 3	Piano 4	SLV 9	1374498	0.487	101257	310	0.021
Piano 3	Piano 4	SLV 10	1374498	0.487	101257	310	0.021
Piano 3	Piano 4	SLV 11	1379206	0.73	116637	310	0.028
Piano 3	Piano 4	SLV 12	1379206	0.73	116637	310	0.028
Piano 3	Piano 4	SLV 13	1382966	0.474	106848	310	0.02
Piano 3	Piano 4	SLV 14	1382966	0.474	106848	310	0.02
Piano 3	Piano 4	SLV 15	1384379	0.749	121523	310	0.028
Piano 3	Piano 4	SLV 16	1384379	0.749	121523	310	0.028
Piano 4	p.lo 5	SLV 1	815776	0.388	88572	155	0.023
Piano 4	p.lo 5	SLV 2	815776	0.388	88572	155	0.023
Piano 4	p.lo 5	SLV 3	816076	0.247	77347	155	0.017
Piano 4	p.lo 5	SLV 4	816076	0.247	77347	155	0.017
Piano 4	p.lo 5	SLV 5	813743	0.383	92528	155	0.022
Piano 4	p.lo 5	SLV 6	813743	0.383	92528	155	0.022
Piano 4	p.lo 5	SLV 7	814743	0.218	81848	155	0.014
Piano 4	p.lo 5	SLV 8	814743	0.218	81848	155	0.014
Piano 4	p.lo 5	SLV 9	812301	0.241	81848	155	0.015
Piano 4	p.lo 5	SLV 10	812301	0.241	81848	155	0.015
Piano 4	p.lo 5	SLV 11	813301	0.36	92528	155	0.02
Piano 4	p.lo 5	SLV 12	813301	0.36	92528	155	0.02
Piano 4	p.lo 5	SLV 13	810968	0.233	77347	155	0.016
Piano 4	p.lo 5	SLV 14	810968	0.233	77347	155	0.016
Piano 4	p.lo 5	SLV 15	811268	0.368	88572	155	0.022
Piano 4	p.lo 5	SLV 16	811268	0.368	88572	155	0.022
p.lo 5	Piano 5	SLV 1	765741	0.371	76361	155	0.024
p.lo 5	Piano 5	SLV 2	765741	0.371	76361	155	0.024
p.lo 5	Piano 5	SLV 3	763922	0.232	66831	155	0.017
p.lo 5	Piano 5	SLV 4	763922	0.232	66831	155	0.017
p.lo 5	Piano 5	SLV 5	774656	0.371	77176	155	0.024
p.lo 5	Piano 5	SLV 6	774656	0.371	77176	155	0.024
p.lo 5	Piano 5	SLV 7	768595	0.21	67761	155	0.015
p.lo 5	Piano 5	SLV 8	768595	0.21	67761	155	0.015
p.lo 5	Piano 5	SLV 9	780479	0.236	67761	155	0.018
p.lo 5	Piano 5	SLV 10	780479	0.236	67761	155	0.018
p.lo 5	Piano 5	SLV 11	774418	0.349	77176	155	0.023
p.lo 5	Piano 5	SLV 12	774418	0.349	77176	155	0.023
p.lo 5	Piano 5	SLV 13	785152	0.227	66831	155	0.017
p.lo 5	Piano 5	SLV 14	785152	0.227	66831	155	0.017
p.lo 5	Piano 5	SLV 15	783333	0.356	76361	155	0.024
p.lo 5	Piano 5	SLV 16	783333	0.356	76361	155	0.024
Piano 4	Piano 5	SLV 1	765741	0.736	76361	310	0.024
Piano 4	Piano 5	SLV 2	765741	0.736	76361	310	0.024
Piano 4	Piano 5	SLV 3	763922	0.47	66831	310	0.017
Piano 4	Piano 5	SLV 4	763922	0.47	66831	310	0.017

Quota inferiore	Quota superiore	Comb.	Carico verticale	Spostamento	Forza orizzontale totale	Altezza del piano	Theta
		N.b.					
Piano 4	Piano 5	SLV 5	774656	0.715	77176	310	0.023
Piano 4	Piano 5	SLV 6	774656	0.715	77176	310	0.023
Piano 4	Piano 5	SLV 7	768595	0.397	67761	310	0.015
Piano 4	Piano 5	SLV 8	768595	0.397	67761	310	0.015
Piano 4	Piano 5	SLV 9	780479	0.443	67761	310	0.016
Piano 4	Piano 5	SLV 10	780479	0.443	67761	310	0.016
Piano 4	Piano 5	SLV 11	774418	0.675	77176	310	0.022
Piano 4	Piano 5	SLV 12	774418	0.675	77176	310	0.022
Piano 4	Piano 5	SLV 13	785152	0.456	66831	310	0.017
Piano 4	Piano 5	SLV 14	785152	0.456	66831	310	0.017
Piano 4	Piano 5	SLV 15	783333	0.707	76361	310	0.023
Piano 4	Piano 5	SLV 16	783333	0.707	76361	310	0.023
Piano 5	p.lo 6	SLV 1	372415	0.352	20912	155	0.04
Piano 5	p.lo 6	SLV 2	372415	0.352	20912	155	0.04
Piano 5	p.lo 6	SLV 3	368648	0.216	31725	155	0.016
Piano 5	p.lo 6	SLV 4	368648	0.216	31725	155	0.016
Piano 5	p.lo 6	SLV 5	377625	0.357	32877	155	0.026
Piano 5	p.lo 6	SLV 6	377625	0.357	32877	155	0.026
Piano 5	p.lo 6	SLV 7	365071	0.206	40621	155	0.012
Piano 5	p.lo 6	SLV 8	365071	0.206	40621	155	0.012
Piano 5	p.lo 6	SLV 9	378324	0.231	40621	155	0.014
Piano 5	p.lo 6	SLV 10	378324	0.231	40621	155	0.014
Piano 5	p.lo 6	SLV 11	365771	0.339	32877	155	0.024
Piano 5	p.lo 6	SLV 12	365771	0.339	32877	155	0.024
Piano 5	p.lo 6	SLV 13	374747	0.217	31725	155	0.017
Piano 5	p.lo 6	SLV 14	374747	0.217	31725	155	0.017
Piano 5	p.lo 6	SLV 15	370981	0.342	20912	155	0.039
Piano 5	p.lo 6	SLV 16	370981	0.342	20912	155	0.039
Fondazione	Piano 6	SLV 1	336714	5.055	34031	2093	0.024
Fondazione	Piano 6	SLV 2	336714	5.055	34031	2093	0.024
Fondazione	Piano 6	SLV 3	334325	3.143	39685	2093	0.013
Fondazione	Piano 6	SLV 4	334325	3.143	39685	2093	0.013
Fondazione	Piano 6	SLV 5	344046	5.074	31954	2093	0.026
Fondazione	Piano 6	SLV 6	344046	5.074	31954	2093	0.026
Fondazione	Piano 6	SLV 7	336083	2.992	37920	2093	0.013
Fondazione	Piano 6	SLV 8	336083	2.992	37920	2093	0.013
Fondazione	Piano 6	SLV 9	347942	3.201	37920	2093	0.014
Fondazione	Piano 6	SLV 10	347942	3.201	37920	2093	0.014
Fondazione	Piano 6	SLV 11	339979	4.885	31954	2093	0.025
Fondazione	Piano 6	SLV 12	339979	4.885	31954	2093	0.025
Fondazione	Piano 6	SLV 13	349700	3.062	39685	2093	0.013
Fondazione	Piano 6	SLV 14	349700	3.062	39685	2093	0.013
Fondazione	Piano 6	SLV 15	347311	4.909	34031	2093	0.024
Fondazione	Piano 6	SLV 16	347311	4.909	34031	2093	0.024
p.lo 6	Piano 6	SLV 1	336714	0.323	34031	155	0.021
p.lo 6	Piano 6	SLV 2	336714	0.323	34031	155	0.021
p.lo 6	Piano 6	SLV 3	334325	0.191	39685	155	0.01
p.lo 6	Piano 6	SLV 4	334325	0.191	39685	155	0.01
p.lo 6	Piano 6	SLV 5	344046	0.341	31954	155	0.024
p.lo 6	Piano 6	SLV 6	344046	0.341	31954	155	0.024
p.lo 6	Piano 6	SLV 7	336083	0.198	37920	155	0.011
p.lo 6	Piano 6	SLV 8	336083	0.198	37920	155	0.011
p.lo 6	Piano 6	SLV 9	347942	0.226	37920	155	0.013
p.lo 6	Piano 6	SLV 10	347942	0.226	37920	155	0.013
p.lo 6	Piano 6	SLV 11	339979	0.319	31954	155	0.022
p.lo 6	Piano 6	SLV 12	339979	0.319	31954	155	0.022
p.lo 6	Piano 6	SLV 13	349700	0.19	39685	155	0.011
p.lo 6	Piano 6	SLV 14	349700	0.19	39685	155	0.011
p.lo 6	Piano 6	SLV 15	347311	0.309	34031	155	0.02
p.lo 6	Piano 6	SLV 16	347311	0.309	34031	155	0.02
Piano 5	Piano 6	SLV 1	336714	0.687	34031	310	0.022
Piano 5	Piano 6	SLV 2	336714	0.687	34031	310	0.022
Piano 5	Piano 6	SLV 3	334325	0.418	39685	310	0.011
Piano 5	Piano 6	SLV 4	334325	0.418	39685	310	0.011
Piano 5	Piano 6	SLV 5	344046	0.704	31954	310	0.024
Piano 5	Piano 6	SLV 6	344046	0.704	31954	310	0.024
Piano 5	Piano 6	SLV 7	336083	0.412	37920	310	0.012
Piano 5	Piano 6	SLV 8	336083	0.412	37920	310	0.012
Piano 5	Piano 6	SLV 9	347942	0.456	37920	310	0.013
Piano 5	Piano 6	SLV 10	347942	0.456	37920	310	0.013
Piano 5	Piano 6	SLV 11	339979	0.672	31954	310	0.023
Piano 5	Piano 6	SLV 12	339979	0.672	31954	310	0.023
Piano 5	Piano 6	SLV 13	349700	0.422	39685	310	0.012
Piano 5	Piano 6	SLV 14	349700	0.422	39685	310	0.012
Piano 5	Piano 6	SLV 15	347311	0.671	34031	310	0.022
Piano 5	Piano 6	SLV 16	347311	0.671	34031	310	0.022
Piano 6	Piano 7	SLV 1	83575	0.544	11584	310	0.013
Piano 6	Piano 7	SLV 2	83575	0.544	11584	310	0.013
Piano 6	Piano 7	SLV 3	84152	0.312	10262	310	0.008
Piano 6	Piano 7	SLV 4	84152	0.312	10262	310	0.008
Piano 6	Piano 7	SLV 5	82685	0.592	15791	310	0.01
Piano 6	Piano 7	SLV 6	82685	0.592	15791	310	0.01
Piano 6	Piano 7	SLV 7	84608	0.34	14848	310	0.006
Piano 6	Piano 7	SLV 8	84608	0.34	14848	310	0.006
Piano 6	Piano 7	SLV 9	82499	0.396	14848	310	0.007
Piano 6	Piano 7	SLV 10	82499	0.396	14848	310	0.007
Piano 6	Piano 7	SLV 11	84423	0.536	15791	310	0.009
Piano 6	Piano 7	SLV 12	84423	0.536	15791	310	0.009
Piano 6	Piano 7	SLV 13	82956	0.276	10262	310	0.007
Piano 6	Piano 7	SLV 14	82956	0.276	10262	310	0.007
Piano 6	Piano 7	SLV 15	83533	0.493	11584	310	0.011
Piano 6	Piano 7	SLV 16	83533	0.493	11584	310	0.011

7.5 Rigidezze di interpiano

***Quota inferiore**: quota inferiore dell'interpiano per il quale è stata valutata la rigidezza relativa. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Quota superiore**: quota superiore dell'interpiano per il quale è stata valutata la rigidezza relativa. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***KUx**: rigidezza relativa alla traslazione in direzione globale X. [daN/cm]*
***KUy**: rigidezza relativa alla traslazione in direzione globale Y. [daN/cm]*

Quota inferiore	Quota superiore	KUx	KUy
fondo corsa	Fondazione	4490014	1860558
Fondazione	p.lo 1	383664	2057091
p.lo 1	Piano 1	562378	221425
Piano 1	p.lo 2	554133	475987
p.lo 2	Piano 2	637609	196056
Piano 2	p.lo 3	576286	231448
p.lo 3	Piano 3	515855	1047854
Piano 3	p.lo 4	464429	415927
p.lo 4	Piano 4	537106	154713
Piano 4	p.lo 5	425101	254625
p.lo 5	Piano 5	410455	451182
Piano 5	p.lo 6	422217	383878
p.lo 6	Piano 6	318285	366343
Piano 6	Piano 7	79211	30000

7.6 Tagli ai livelli

***Livello**: livello rispetto a cui è calcolato il taglio.*
***Nome**: nome completo del livello.*
***Cont.**: Contesto nel quale viene valutato il taglio.*
***N.br.**: nome breve della condizione o combinazione di carico.*
***Totale**: totale del taglio al livello.*
***F**: forza del taglio. [daN]*
***X**: componente lungo l'asse X globale. [daN]*
***Y**: componente lungo l'asse Y globale. [daN]*
***Z**: componente lungo l'asse Z globale. [daN]*
***Aste verticali**: contributo al taglio totale dato dalle aste verticali.*
***F**: forza del taglio. [daN]*
***X**: componente lungo l'asse X globale. [daN]*
***Y**: componente lungo l'asse Y globale. [daN]*
***Z**: componente lungo l'asse Z globale. [daN]*
***Pareti**: contributo al taglio totale dato dalle pareti e piastre generiche verticali.*
***F**: forza del taglio. [daN]*
***X**: componente lungo l'asse X globale. [daN]*
***Y**: componente lungo l'asse Y globale. [daN]*
***Z**: componente lungo l'asse Z globale. [daN]*

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
fondo corsa	Pesi	-1402	-12602	-29626	0	0	0	-1402	-12602	-29626
fondo corsa	Port.	-5030	4556	-17233	0	0	0	-5030	4556	-17233
fondo corsa	Accidentali	-1977	8315	-9044	0	0	0	-1977	8315	-9044
fondo corsa	neve	-37	856	-496	0	0	0	-37	856	-496
fondo corsa	AT	2491	100351	-1059	0	0	0	2491	100351	-1059
fondo corsa	SLV X	-191143	-32616	-13808	0	0	0	-191143	-32616	-13808
fondo corsa	SLV Y	-134	-244282	-22169	0	0	0	-134	-244282	-22169
fondo corsa	X SLD	-74834	-12707	-5415	0	0	0	-74834	-12707	-5415
fondo corsa	Y SLD	-101	-95554	-8656	0	0	0	-101	-95554	-8656
fondo corsa	Rig Ux	-2	0	0	0	0	0	-2	0	0
fondo corsa	Rig Uy	0	-2	0	0	0	0	0	-2	0
fondo corsa	Rig Rz	0	0	0	0	0	0	0	0	0
fondo corsa	SLU 1	-5426	-8957	-43413	0	0	0	-5426	-8957	-43413
fondo corsa	SLU 2	-1689	141570	-45001	0	0	0	-1689	141570	-45001
fondo corsa	SLU 3	-1716	142213	-45373	0	0	0	-1716	142213	-45373
fondo corsa	SLU 4	-5481	-7672	-44157	0	0	0	-5481	-7672	-44157
fondo corsa	SLU 5	-3239	82644	-45110	0	0	0	-3239	82644	-45110
fondo corsa	SLU 6	-3765	150302	-54497	0	0	0	-3765	150302	-54497
fondo corsa	SLU 7	-3792	150944	-54869	0	0	0	-3792	150944	-54869
fondo corsa	SLU 8	-7557	1059	-53653	0	0	0	-7557	1059	-53653
fondo corsa	SLU 9	-5314	91375	-54606	0	0	0	-5314	91375	-54606
fondo corsa	SLU 10	-8391	3517	-56978	0	0	0	-8391	3517	-56978
fondo corsa	SLU 11	-6149	93833	-57931	0	0	0	-6149	93833	-57931
fondo corsa	SLU 12	-8419	4159	-57350	0	0	0	-8419	4159	-57350
fondo corsa	SLU 13	-6176	94475	-58303	0	0	0	-6176	94475	-58303
fondo corsa	SLU 14	-8947	-5767	-55476	0	0	0	-8947	-5767	-55476
fondo corsa	SLU 15	-5210	144760	-57064	0	0	0	-5210	144760	-57064
fondo corsa	SLU 16	-5238	145402	-57436	0	0	0	-5238	145402	-57436
fondo corsa	SLU 17	-9002	-4483	-56220	0	0	0	-9002	-4483	-56220
fondo corsa	SLU 18	-6760	85834	-57173	0	0	0	-6760	85834	-57173
fondo corsa	SLU 19	-7286	153491	-66560	0	0	0	-7286	153491	-66560
fondo corsa	SLU 20	-7313	154133	-66932	0	0	0	-7313	154133	-66932
fondo corsa	SLU 21	-11078	4248	-65716	0	0	0	-11078	4248	-65716
fondo corsa	SLU 22	-8835	94565	-66669	0	0	0	-8835	94565	-66669
fondo corsa	SLU 23	-11912	6706	-69041	0	0	0	-11912	6706	-69041
fondo corsa	SLU 24	-9670	97022	-69994	0	0	0	-9670	97022	-69994
fondo corsa	SLU 25	-11940	7348	-69413	0	0	0	-11940	7348	-69413
fondo corsa	SLU 26	-9697	97664	-70366	0	0	0	-9697	97664	-70366
fondo corsa	SLU 27	-5846	-12737	-52300	0	0	0	-5846	-12737	-52300

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
fondo corsa	SLU 28	-2109	137790	-53889	0	0	0	-2109	137790	-53889
fondo corsa	SLU 29	-2137	138432	-54261	0	0	0	-2137	138432	-54261
fondo corsa	SLU 30	-5901	-11453	-53045	0	0	0	-5901	-11453	-53045
fondo corsa	SLU 31	-3659	78864	-53998	0	0	0	-3659	78864	-53998
fondo corsa	SLU 32	-4185	146521	-63385	0	0	0	-4185	146521	-63385
fondo corsa	SLU 33	-4213	147163	-63757	0	0	0	-4213	147163	-63757
fondo corsa	SLU 34	-7977	-2721	-62541	0	0	0	-7977	-2721	-62541
fondo corsa	SLU 35	-5735	87595	-63494	0	0	0	-5735	87595	-63494
fondo corsa	SLU 36	-8812	-264	-65866	0	0	0	-8812	-264	-65866
fondo corsa	SLU 37	-6569	90052	-66819	0	0	0	-6569	90052	-66819
fondo corsa	SLU 38	-8839	378	-66238	0	0	0	-8839	378	-66238
fondo corsa	SLU 39	-6597	90695	-67191	0	0	0	-6597	90695	-67191
fondo corsa	SLU 40	-9367	-9548	-64364	0	0	0	-9367	-9548	-64364
fondo corsa	SLU 41	-5630	140979	-65952	0	0	0	-5630	140979	-65952
fondo corsa	SLU 42	-5658	141622	-66324	0	0	0	-5658	141622	-66324
fondo corsa	SLU 43	-9422	-8263	-65108	0	0	0	-9422	-8263	-65108
fondo corsa	SLU 44	-7180	82053	-66061	0	0	0	-7180	82053	-66061
fondo corsa	SLU 45	-7706	149711	-75448	0	0	0	-7706	149711	-75448
fondo corsa	SLU 46	-7734	150353	-75820	0	0	0	-7734	150353	-75820
fondo corsa	SLU 47	-11498	468	-74604	0	0	0	-11498	468	-74604
fondo corsa	SLU 48	-9256	90784	-75557	0	0	0	-9256	90784	-75557
fondo corsa	SLU 49	-12333	2925	-77929	0	0	0	-12333	2925	-77929
fondo corsa	SLU 50	-10090	93242	-78882	0	0	0	-10090	93242	-78882
fondo corsa	SLU 51	-12360	3568	-78301	0	0	0	-12360	3568	-78301
fondo corsa	SLU 52	-10118	93884	-79254	0	0	0	-10118	93884	-79254
fondo corsa	SLE RA 1	-6432	-8045	-46859	0	0	0	-6432	-8045	-46859
fondo corsa	SLE RA 2	-3941	92306	-47918	0	0	0	-3941	92306	-47918
fondo corsa	SLE RA 3	-3959	92734	-48166	0	0	0	-3959	92734	-48166
fondo corsa	SLE RA 4	-6469	-7189	-47356	0	0	0	-6469	-7189	-47356
fondo corsa	SLE RA 5	-4974	53022	-47991	0	0	0	-4974	53022	-47991
fondo corsa	SLE RA 6	-5324	98127	-54249	0	0	0	-5324	98127	-54249
fondo corsa	SLE RA 7	-5343	98555	-54497	0	0	0	-5343	98555	-54497
fondo corsa	SLE RA 8	-7852	-1368	-53686	0	0	0	-7852	-1368	-53686
fondo corsa	SLE RA 9	-6358	58843	-54321	0	0	0	-6358	58843	-54321
fondo corsa	SLE RA 10	-8409	270	-55903	0	0	0	-8409	270	-55903
fondo corsa	SLE RA 11	-6914	60481	-56538	0	0	0	-6914	60481	-56538
fondo corsa	SLE RA 12	-8427	698	-56151	0	0	0	-8427	698	-56151
fondo corsa	SLE RA 13	-6932	60909	-56786	0	0	0	-6932	60909	-56786
fondo corsa	SLE FR 1	-6432	-8045	-46859	0	0	0	-6432	-8045	-46859
fondo corsa	SLE FR 2	-5186	42130	-47389	0	0	0	-5186	42130	-47389
fondo corsa	SLE FR 3	-6439	-7874	-46958	0	0	0	-6439	-7874	-46958
fondo corsa	SLE FR 4	-5779	44625	-50102	0	0	0	-5779	44625	-50102
fondo corsa	SLE FR 5	-7032	-5379	-49672	0	0	0	-7032	-5379	-49672
fondo corsa	SLE FR 6	-7420	-3888	-51381	0	0	0	-7420	-3888	-51381
fondo corsa	SLE QP 1	-6432	-8045	-46859	0	0	0	-6432	-8045	-46859
fondo corsa	SLE QP 2	-7025	-5551	-49572	0	0	0	-7025	-5551	-49572
fondo corsa	SLD 1	67840	35823	-41560	0	0	0	67840	35823	-41560
fondo corsa	SLD 2	67840	35823	-41560	0	0	0	67840	35823	-41560
fondo corsa	SLD 3	67779	-21510	-46754	0	0	0	67779	-21510	-46754
fondo corsa	SLD 4	67779	-21510	-46754	0	0	0	67779	-21510	-46754
fondo corsa	SLD 5	15527	93816	-39292	0	0	0	15527	93816	-39292
fondo corsa	SLD 6	15527	93816	-39292	0	0	0	15527	93816	-39292
fondo corsa	SLD 7	15324	-97293	-56603	0	0	0	15324	-97293	-56603
fondo corsa	SLD 8	15324	-97293	-56603	0	0	0	15324	-97293	-56603
fondo corsa	SLD 9	-29374	86192	-42541	0	0	0	-29374	86192	-42541
fondo corsa	SLD 10	-29374	86192	-42541	0	0	0	-29374	86192	-42541
fondo corsa	SLD 11	-29576	-104917	-59852	0	0	0	-29576	-104917	-59852
fondo corsa	SLD 12	-29576	-104917	-59852	0	0	0	-29576	-104917	-59852
fondo corsa	SLD 13	-81828	10409	-52391	0	0	0	-81828	10409	-52391
fondo corsa	SLD 14	-81828	10409	-52391	0	0	0	-81828	10409	-52391
fondo corsa	SLD 15	-81889	-46924	-57584	0	0	0	-81889	-46924	-57584
fondo corsa	SLD 16	-81889	-46924	-57584	0	0	0	-81889	-46924	-57584
fondo corsa	SLV 1	184158	100349	-29114	0	0	0	184158	100349	-29114
fondo corsa	SLV 2	184158	100349	-29114	0	0	0	184158	100349	-29114
fondo corsa	SLV 3	184078	-46220	-42415	0	0	0	184078	-46220	-42415
fondo corsa	SLV 4	184078	-46220	-42415	0	0	0	184078	-46220	-42415
fondo corsa	SLV 5	50451	248516	-23261	0	0	0	50451	248516	-23261
fondo corsa	SLV 6	50451	248516	-23261	0	0	0	50451	248516	-23261
fondo corsa	SLV 7	50184	-240048	-67599	0	0	0	50184	-240048	-67599
fondo corsa	SLV 8	50184	-240048	-67599	0	0	0	50184	-240048	-67599
fondo corsa	SLV 9	-64234	228947	-31546	0	0	0	-64234	228947	-31546
fondo corsa	SLV 10	-64234	228947	-31546	0	0	0	-64234	228947	-31546
fondo corsa	SLV 11	-64501	-259618	-75884	0	0	0	-64501	-259618	-75884
fondo corsa	SLV 12	-64501	-259618	-75884	0	0	0	-64501	-259618	-75884
fondo corsa	SLV 13	-198127	35118	-56729	0	0	0	-198127	35118	-56729
fondo corsa	SLV 14	-198127	35118	-56729	0	0	0	-198127	35118	-56729
fondo corsa	SLV 15	-198207	-111451	-70031	0	0	0	-198207	-111451	-70031
fondo corsa	SLV 16	-198207	-111451	-70031	0	0	0	-198207	-111451	-70031
fondo corsa	CRTFP Ux+	-2	0	0	0	0	0	-2	0	0
fondo corsa	CRTFP Ux-	2	0	0	0	0	0	2	0	0
fondo corsa	CRTFP Uy+	0	-2	0	0	0	0	0	-2	0
fondo corsa	CRTFP Uy-	0	2	0	0	0	0	0	2	0
fondo corsa	CRTFP Rz+	0	0	0	0	0	0	0	0	0
fondo corsa	CRTFP Rz-	0	0	0	0	0	0	0	0	0
Fondazione	Pesi	0	0	-1894716	335	-2517	-1455291	-251	-494	-430641
Fondazione	Port.	0	0	-1447683	1536	-3008	-1225464	-1949	369	-215097
Fondazione	Accidentali	0	0	-770733	846	-3295	-630080	-923	1060	-134138
Fondazione	neve	0	0	-30350	34	-246	-26677	-54	270	-3681
Fondazione	ΔT	0	0	0	3525	-3055	-1869	-4605	3057	1877
Fondazione	SLV X	179556	11100	-26426	65074	22200	-76448	104484	-11158	50085
Fondazione	SLV Y	8286	185701	-39781	12201	53354	21992	-8801	124856	-54316
Fondazione	X SLD	72448	4323	-10864	25693	8769	-30038	42821	-4468	19198
Fondazione	Y SLD	3411	73215	-15674	4807	21033	8331	-3314	49228	-21060
Fondazione	Rig Ux	1	0	0	0	0	-1	0	0	1
Fondazione	Rig Uy	0	1	0	0	0	0	0	1	0
Fondazione	Rig Rz	0	0	0	0	0	0	0	0	0
Fondazione	SLU 1	0	0	-3052862	1564	-4923	-2435662	-1810	-199	-602718
Fondazione	SLU 2	0	0	-3052862	6852	-9505	-2438466	-8717	4387	-599903

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Fondazione	SLU 3	0	0	-3075625	6877	-9690	-2458473	-8757	4590	-602664
Fondazione	SLU 4	0	0	-3098387	1615	-5292	-2475678	-1891	206	-608240
Fondazione	SLU 5	0	0	-3098387	4788	-8041	-2477360	-6035	2958	-606551
Fondazione	SLU 6	0	0	-3862132	7740	-12965	-3100050	-9686	5500	-740748
Fondazione	SLU 7	0	0	-3884894	7766	-13150	-3120058	-9727	5703	-743509
Fondazione	SLU 8	0	0	-3907657	2504	-8752	-3137262	-2860	1319	-749085
Fondazione	SLU 9	0	0	-3907657	5676	-11501	-3138944	-7004	4071	-747396
Fondazione	SLU 10	0	0	-4208962	2833	-9866	-3380783	-3195	1391	-803926
Fondazione	SLU 11	0	0	-4208962	6006	-12615	-3382465	-7339	4143	-802237
Fondazione	SLU 12	0	0	-4231724	2859	-10051	-3400791	-3235	1594	-806686
Fondazione	SLU 13	0	0	-4231724	6032	-12800	-3402473	-7379	4346	-804997
Fondazione	SLU 14	0	0	-4066240	2639	-7029	-3293488	-3174	59	-753286
Fondazione	SLU 15	0	0	-4066240	7927	-11611	-3296291	-10081	4646	-750471
Fondazione	SLU 16	0	0	-4089002	7953	-11795	-3316298	-10122	4848	-753232
Fondazione	SLU 17	0	0	-4111765	2691	-7398	-3333503	-3255	464	-758807
Fondazione	SLU 18	0	0	-4111765	5863	-10147	-3335185	-7399	3216	-757118
Fondazione	SLU 19	0	0	-4875510	8815	-15071	-3957875	-11051	5759	-891316
Fondazione	SLU 20	0	0	-4898272	8841	-15255	-3977883	-11091	5961	-894077
Fondazione	SLU 21	0	0	-4921035	3579	-10858	-3995087	-4225	1578	-899652
Fondazione	SLU 22	0	0	-4921035	6752	-13607	-3996769	-8369	4329	-897963
Fondazione	SLU 23	0	0	-5222339	3909	-11972	-4238608	-4559	1650	-954493
Fondazione	SLU 24	0	0	-5222339	7081	-14721	-4240290	-8703	4401	-952804
Fondazione	SLU 25	0	0	-5245102	3934	-12156	-4258616	-4600	1852	-957254
Fondazione	SLU 26	0	0	-5245102	7107	-14905	-4260298	-8744	4604	-955565
Fondazione	SLU 27	0	0	-3621277	1665	-5678	-2872250	-1885	-347	-731911
Fondazione	SLU 28	0	0	-3621277	6952	-10260	-2875053	-8792	4239	-729096
Fondazione	SLU 29	0	0	-3644039	6978	-10445	-2895061	-8833	4442	-731856
Fondazione	SLU 30	0	0	-3666802	1716	-6047	-2912265	-1966	58	-737432
Fondazione	SLU 31	0	0	-3666802	4888	-8796	-2913947	-6110	2810	-735743
Fondazione	SLU 32	0	0	-4430547	7841	-13720	-3536637	-9762	5352	-869941
Fondazione	SLU 33	0	0	-4453309	7866	-13905	-3556645	-9802	5555	-872701
Fondazione	SLU 34	0	0	-4476072	2604	-9507	-3573850	-2935	1171	-878277
Fondazione	SLU 35	0	0	-4476072	5777	-12256	-3575531	-7080	3923	-876588
Fondazione	SLU 36	0	0	-4777376	2934	-10621	-3817370	-3270	1243	-933118
Fondazione	SLU 37	0	0	-4777376	6106	-13370	-3819052	-7414	3995	-931429
Fondazione	SLU 38	0	0	-4800139	2960	-10806	-3837378	-3310	1446	-935879
Fondazione	SLU 39	0	0	-4800139	6132	-13555	-3839060	-7455	4197	-934190
Fondazione	SLU 40	0	0	-4634655	2740	-7784	-3730075	-3249	-89	-882478
Fondazione	SLU 41	0	0	-4634655	8028	-12366	-3732878	-10157	4497	-879663
Fondazione	SLU 42	0	0	-4657417	8053	-12550	-3752886	-10197	4700	-882424
Fondazione	SLU 43	0	0	-4680180	2791	-8153	-3770090	-3330	316	-888000
Fondazione	SLU 44	0	0	-4680180	5964	-10902	-3771772	-7474	3068	-886311
Fondazione	SLU 45	0	0	-5443924	8916	-15826	-4394462	-11126	5611	-1020508
Fondazione	SLU 46	0	0	-5466687	8942	-16010	-4414470	-11166	5813	-1023269
Fondazione	SLU 47	0	0	-5489449	3680	-11613	-4431675	-4300	1429	-1028845
Fondazione	SLU 48	0	0	-5489449	6852	-14362	-4433357	-8444	4181	-1027156
Fondazione	SLU 49	0	0	-5790754	4009	-12727	-4675195	-4634	1501	-1083686
Fondazione	SLU 50	0	0	-5790754	7182	-15476	-4676877	-8779	4253	-1081997
Fondazione	SLU 51	0	0	-5813517	4035	-12911	-4695203	-4675	1704	-1086446
Fondazione	SLU 52	0	0	-5813517	7207	-15660	-4696885	-8819	4456	-1084757
Fondazione	SLE RA 1	0	0	-3342399	1871	-5525	-2680755	-2200	-125	-645738
Fondazione	SLE RA 2	0	0	-3342399	5396	-8580	-2682624	-6804	2932	-643861
Fondazione	SLE RA 3	0	0	-3357574	5413	-8702	-2695963	-6831	3067	-645701
Fondazione	SLE RA 4	0	0	-3372749	1905	-5771	-2707432	-2254	145	-649419
Fondazione	SLE RA 5	0	0	-3372749	4021	-7604	-2708554	-5016	1979	-648293
Fondazione	SLE RA 6	0	0	-3881912	5989	-10886	-3123680	-7451	3674	-737758
Fondazione	SLE RA 7	0	0	-3897087	6006	-11009	-3137019	-7478	3809	-739598
Fondazione	SLE RA 8	0	0	-3912262	2498	-8077	-3148489	-2900	887	-743315
Fondazione	SLE RA 9	0	0	-3912262	4613	-9910	-3149610	-5663	2722	-742189
Fondazione	SLE RA 10	0	0	-4113132	2718	-8820	-3310836	-3123	935	-779876
Fondazione	SLE RA 11	0	0	-4113132	4833	-10653	-3311957	-5886	2770	-778750
Fondazione	SLE RA 12	0	0	-4128307	2735	-8943	-3324174	-3150	1070	-781716
Fondazione	SLE RA 13	0	0	-4128307	4850	-10776	-3325295	-5913	2905	-780590
Fondazione	SLE FR 1	0	0	-3342399	1871	-5525	-2680755	-2200	-125	-645738
Fondazione	SLE FR 2	0	0	-3342399	3634	-7052	-2681690	-4502	1404	-644799
Fondazione	SLE FR 3	0	0	-3348469	1878	-5574	-2686091	-2211	-71	-646474
Fondazione	SLE FR 4	0	0	-3573619	3888	-8041	-2870714	-4779	1722	-685041
Fondazione	SLE FR 5	0	0	-3579689	2132	-6563	-2875115	-2487	247	-686715
Fondazione	SLE FR 6	0	0	-3727765	2294	-7173	-2995796	-2661	405	-712807
Fondazione	SLE QP 1	0	0	-3342399	1871	-5525	-2680755	-2200	-125	-645738
Fondazione	SLE QP 2	0	0	-3573619	2125	-6514	-2869779	-2477	193	-685979
Fondazione	SLD 1	-73472	-26287	-3558052	-25010	-21592	-2842241	-44303	-10108	-698859
Fondazione	SLD 2	-73472	-26287	-3558052	-25010	-21592	-2842241	-44303	-10108	-698859
Fondazione	SLD 3	-71425	17641	-3567457	-22126	-8972	-2837243	-46291	19429	-711495
Fondazione	SLD 4	-71425	17641	-3567457	-22126	-8972	-2837243	-46291	19429	-711495
Fondazione	SLD 5	-25146	-74512	-3554685	-10390	-30178	-2869099	-12009	-47695	-670678
Fondazione	SLD 6	-25146	-74512	-3554685	-10390	-30178	-2869099	-12009	-47695	-670678
Fondazione	SLD 7	-18323	71918	-3586033	-775	11889	-2852437	-18637	50762	-712799
Fondazione	SLD 8	-18323	71918	-3586033	-775	11889	-2852437	-18637	50762	-712799
Fondazione	SLD 9	18323	-71918	-3561204	5026	-24916	-2887122	13684	-50376	-659160
Fondazione	SLD 10	18323	-71918	-3561204	5026	-24916	-2887122	13684	-50376	-659160
Fondazione	SLD 11	25146	74512	-3592552	14640	17150	-2870460	7055	48081	-701280
Fondazione	SLD 12	25146	74512	-3592552	14640	17150	-2870460	7055	48081	-701280
Fondazione	SLD 13	71425	-17641	-3579780	26376	-4055	-2902316	41338	-19044	-660463
Fondazione	SLD 14	71425	-17641	-3579780	26376	-4055	-2902316	41338	-19044	-660463
Fondazione	SLD 15	73472	26287	-3589185	29260	8565	-2897318	39350	10493	-673099
Fondazione	SLD 16	73472	26287	-3589185	29260	8565	-2897318	39350	10493	-673099
Fondazione	SLV 1	-182042	-66810	-3535258	-66609	-44720	-2799929	-104321	-26106	-719770
Fondazione	SLV 2	-182042	-66810	-3535258	-66609	-44720	-2799929	-104321	-26106	-719770
Fondazione	SLV 3	-177070	44610	-3559127	-59289	-12707	-2786734	-109601	48807	-752359
Fondazione	SLV 4	-177070	44610	-3559127	-59289	-12707	-2786734	-109601	48807	-752359
Fondazione	SLV 5	-62153	-189031	-3525910	-29598	-66528	-2868837	-25021	-121315	-646689
Fondazione	SLV 6	-62153	-189031	-3525910	-29598	-66528	-2868837	-25021	-121315	-646689
Fondazione	SLV 7	-45581	182371	-3605472	-5196	40181	-2824853	-42623	128396	-755321
Fondazione	SLV 8	-45581	182371	-3605472	-5196	40181	-2824853	-42623	128396	-755321
Fondazione	SLV 9	45581	-182371	-3541765	9446	-53208	-2914706	37670	-128010	-616638
Fondazione	SLV 10	45581	-182371	-3541765	9446	-53208	-2914706	37670	-128010	-616638
Fondazione	SLV 11	62153	189031	-3621327	33849	53501	-2870722	20067	121701	-725270

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Fondazione	SLV 12	62153	189031	-3621327	33849	53501	-2870722	20067	121701	-725270
Fondazione	SLV 13	177070	-44610	-3588110	63539	-320	-2952825	104648	-48421	-619599
Fondazione	SLV 14	177070	-44610	-3588110	63539	-320	-2952825	104648	-48421	-619599
Fondazione	SLV 15	182042	66810	-3611979	70860	31693	-2939630	99367	26492	-652189
Fondazione	SLV 16	182042	66810	-3611979	70860	31693	-2939630	99367	26492	-652189
Fondazione	CRTFP Ux+	1	0	0	0	0	-1	0	0	1
Fondazione	CRTFP Ux-	-1	0	0	0	0	1	0	0	-1
Fondazione	CRTFP Uy+	0	1	0	0	0	0	0	1	0
Fondazione	CRTFP Uy-	0	-1	0	0	0	0	0	-1	0
Fondazione	CRTFP Rz+	0	0	0	0	0	0	0	0	0
Fondazione	CRTFP Rz-	0	0	0	0	0	0	0	0	0
p.lo 1	Pesi	0	0	-1794982	357	2652	-1399417	-251	-494	-392486
p.lo 1	Port.	0	0	-1440959	1745	980	-1223475	-1949	369	-215097
p.lo 1	Accidentali	0	0	-763169	1028	-130	-627194	-923	1060	-134138
p.lo 1	neve	0	0	-30350	47	-73	-26540	-54	270	-3681
p.lo 1	ΔT	0	0	0	4358	-2745	-1658	-4605	3057	1877
p.lo 1	SLV X	171090	13046	-7701	71031	14007	-79046	96369	-10708	65940
p.lo 1	SLV Y	11405	183908	-30395	12847	42360	4527	427	123390	-45099
p.lo 1	X SLD	68878	4939	-2782	28028	5527	-31039	39402	-4409	26139
p.lo 1	Y SLD	4817	73379	-12398	5048	16721	1567	501	49546	-17950
p.lo 1	Rig Ux	1	0	0	1	0	-1	0	0	1
p.lo 1	Rig Uy	0	1	0	0	0	0	0	1	0
p.lo 1	Rig Rz	0	0	0	0	0	0	0	0	0
p.lo 1	SLU 1	0	0	-2947749	1753	3436	-2378197	-1810	-199	-564563
p.lo 1	SLU 2	0	0	-2947749	8290	-680	-2380684	-8717	4387	-561748
p.lo 1	SLU 3	0	0	-2970511	8325	-735	-2400589	-8757	4590	-564509
p.lo 1	SLU 4	0	0	-2993274	1823	3327	-2418007	-1891	206	-570085
p.lo 1	SLU 5	0	0	-2993274	5745	857	-2419499	-6035	2958	-568396
p.lo 1	SLU 6	0	0	-3749077	9370	-817	-3039238	-9686	5500	-702593
p.lo 1	SLU 7	0	0	-3771839	9405	-872	-3059143	-9727	5703	-705354
p.lo 1	SLU 8	0	0	-3794602	2902	3190	-3076561	-2860	1319	-710930
p.lo 1	SLU 9	0	0	-3794602	6825	720	-3078053	-7004	4071	-709241
p.lo 1	SLU 10	0	0	-4092503	3295	3242	-3318989	-3195	1391	-765771
p.lo 1	SLU 11	0	0	-4092503	7217	772	-3320481	-7339	4143	-764081
p.lo 1	SLU 12	0	0	-4115265	3330	3187	-3338893	-3235	1594	-768531
p.lo 1	SLU 13	0	0	-4115265	7252	717	-3340386	-7379	4346	-766842
p.lo 1	SLU 14	0	0	-3956420	2975	4122	-3234629	-3174	59	-715131
p.lo 1	SLU 15	0	0	-3956420	9512	6	-3237116	-10081	4646	-712316
p.lo 1	SLU 16	0	0	-3979183	9547	-49	-3257021	-10122	4848	-715076
p.lo 1	SLU 17	0	0	-4001945	3044	4013	-3274439	-3255	464	-720652
p.lo 1	SLU 18	0	0	-4001945	6967	1543	-3275931	-7399	3216	-718963
p.lo 1	SLU 19	0	0	-4757748	10591	-131	-3895670	-11051	5759	-853161
p.lo 1	SLU 20	0	0	-4780510	10626	-186	-3915575	-11091	5961	-855922
p.lo 1	SLU 21	0	0	-4803273	4124	3876	-3932993	-4225	1578	-861497
p.lo 1	SLU 22	0	0	-4803273	8046	1406	-3934485	-8369	4329	-859808
p.lo 1	SLU 23	0	0	-5101174	4517	3928	-4175421	-4559	1650	-916338
p.lo 1	SLU 24	0	0	-5101174	8439	1458	-4176913	-8703	4401	-914649
p.lo 1	SLU 25	0	0	-5123936	4552	3873	-4195326	-4600	1852	-919099
p.lo 1	SLU 26	0	0	-5123936	8474	1403	-4196818	-8744	4604	-917410
p.lo 1	SLU 27	0	0	-3486243	1860	4232	-2798022	-1885	-347	-682309
p.lo 1	SLU 28	0	0	-3486243	8397	115	-2800509	-8792	4239	-679494
p.lo 1	SLU 29	0	0	-3509006	8432	60	-2820414	-8833	4442	-682255
p.lo 1	SLU 30	0	0	-3531768	1930	4122	-2837832	-1966	58	-687830
p.lo 1	SLU 31	0	0	-3531768	5852	1652	-2839324	-6110	2810	-686141
p.lo 1	SLU 32	0	0	-4287571	9477	-21	-3459063	-9762	5352	-820339
p.lo 1	SLU 33	0	0	-4310334	9512	-76	-3478968	-9802	5555	-823100
p.lo 1	SLU 34	0	0	-4333096	3010	3986	-3496386	-2935	1171	-828675
p.lo 1	SLU 35	0	0	-4333096	6932	1516	-3497878	-7080	3923	-826986
p.lo 1	SLU 36	0	0	-4630997	3402	4038	-3738814	-3270	1243	-883516
p.lo 1	SLU 37	0	0	-4630997	7325	1567	-3740306	-7414	3995	-881827
p.lo 1	SLU 38	0	0	-4653760	3437	3983	-3758718	-3310	1446	-886277
p.lo 1	SLU 39	0	0	-4653760	7359	1513	-3760211	-7455	4197	-884588
p.lo 1	SLU 40	0	0	-4494915	3082	4918	-3654454	-3249	-89	-832877
p.lo 1	SLU 41	0	0	-4494915	9619	801	-3656941	-10157	4497	-830062
p.lo 1	SLU 42	0	0	-4517677	9654	746	-3676846	-10197	4700	-832822
p.lo 1	SLU 43	0	0	-4540440	3152	4808	-3694264	-3330	316	-838398
p.lo 1	SLU 44	0	0	-4540440	7074	2338	-3695756	-7474	3068	-836709
p.lo 1	SLU 45	0	0	-5296242	10698	665	-4315495	-11126	5611	-970907
p.lo 1	SLU 46	0	0	-5319005	10733	610	-4335400	-11166	5813	-973667
p.lo 1	SLU 47	0	0	-5341767	4231	4672	-4352818	-4300	1429	-979243
p.lo 1	SLU 48	0	0	-5341767	8153	2202	-4354310	-8444	4181	-977554
p.lo 1	SLU 49	0	0	-5639669	4624	4724	-4595246	-4634	1501	-1034084
p.lo 1	SLU 50	0	0	-5639669	8546	2253	-4596738	-8779	4253	-1032395
p.lo 1	SLU 51	0	0	-5662431	4659	4669	-4615151	-4675	1704	-1036845
p.lo 1	SLU 52	0	0	-5662431	8581	2199	-4616643	-8819	4456	-1035156
p.lo 1	SLE RA 1	0	0	-3235941	2102	3632	-2622892	-2200	-125	-607583
p.lo 1	SLE RA 2	0	0	-3235941	6460	888	-2624550	-6804	2932	-605706
p.lo 1	SLE RA 3	0	0	-3251116	6483	851	-2637820	-6831	3067	-607546
p.lo 1	SLE RA 4	0	0	-3266291	2149	3559	-2649432	-2254	145	-611263
p.lo 1	SLE RA 5	0	0	-3266291	4763	1913	-2650426	-5016	1979	-610137
p.lo 1	SLE RA 6	0	0	-3770159	7180	797	-3063586	-7451	3674	-699603
p.lo 1	SLE RA 7	0	0	-3785334	7203	760	-3076856	-7478	3809	-701443
p.lo 1	SLE RA 8	0	0	-3800509	2868	3468	-3088468	-2900	887	-705160
p.lo 1	SLE RA 9	0	0	-3800509	5483	1822	-3089462	-5663	2722	-704034
p.lo 1	SLE RA 10	0	0	-3999110	3130	3503	-3250086	-3123	935	-741721
p.lo 1	SLE RA 11	0	0	-3999110	5745	1856	-3251081	-5886	2770	-740595
p.lo 1	SLE RA 12	0	0	-4014285	3153	3466	-3263356	-3150	1070	-743561
p.lo 1	SLE RA 13	0	0	-4014285	5768	1819	-3264351	-5913	2905	-742435
p.lo 1	SLE FR 1	0	0	-3235941	2102	3632	-2622892	-2200	-125	-607583
p.lo 1	SLE FR 2	0	0	-3235941	4281	2260	-2623721	-4502	1404	-606644
p.lo 1	SLE FR 3	0	0	-3242011	2111	3618	-2628200	-2211	-71	-608319
p.lo 1	SLE FR 4	0	0	-3464891	4590	2221	-2811879	-4779	1722	-646886
p.lo 1	SLE FR 5	0	0	-3470961	2420	3579	-2816358	-2487	247	-648560
p.lo 1	SLE FR 6	0	0	-3617525	2616	3568	-2936489	-2661	405	-674652
p.lo 1	SLE QP 1	0	0	-3235941	2102	3632	-2622892	-2200	-125	-607583
p.lo 1	SLE QP 2	0	0	-3464891	2411	3594	-2811050	-2477	193	-647824
p.lo 1	SLD 1	-70323	-26953	-3458390	-27132	-6949	-2780482	-42029	-10262	-668578
p.lo 1	SLD 2	-70323	-26953	-3458390	-27132	-6949	-2780482	-42029	-10262	-668578

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
p.lo 1	SLD 3	-67433	17075	-3465829	-24103	3083	-2779541	-41729	19465	-679348
p.lo 1	SLD 4	-67433	17075	-3465829	-24103	3083	-2779541	-41729	19465	-679348
p.lo 1	SLD 5	-25480	-74861	-3451659	-11046	-14785	-2803306	-14798	-48030	-637716
p.lo 1	SLD 6	-25480	-74861	-3451659	-11046	-14785	-2803306	-14798	-48030	-637716
p.lo 1	SLD 7	-15847	71897	-3476455	-950	18656	-2800171	-13797	51061	-673616
p.lo 1	SLD 8	-15847	71897	-3476455	-950	18656	-2800171	-13797	51061	-673616
p.lo 1	SLD 9	15847	-71897	-3453328	5771	-11469	-2821929	8843	-50676	-622032
p.lo 1	SLD 10	15847	-71897	-3453328	5771	-11469	-2821929	8843	-50676	-622032
p.lo 1	SLD 11	25480	74861	-3478124	15867	21972	-2818794	9845	48416	-657932
p.lo 1	SLD 12	25480	74861	-3478124	15867	21972	-2818794	9845	48416	-657932
p.lo 1	SLD 13	67433	-17075	-3463954	28924	4104	-2842559	36775	-19080	-616300
p.lo 1	SLD 14	67433	-17075	-3463954	28924	4104	-2842559	36775	-19080	-616300
p.lo 1	SLD 15	70323	26953	-3471393	31953	14136	-2841619	37076	10648	-627070
p.lo 1	SLD 16	70323	26953	-3471393	31953	14136	-2841619	37076	10648	-627070
p.lo 1	SLV 1	-174511	-68218	-3448072	-72475	-23122	-2733363	-98974	-26116	-700235
p.lo 1	SLV 2	-174511	-68218	-3448072	-72475	-23122	-2733363	-98974	-26116	-700235
p.lo 1	SLV 3	-167668	42127	-3466309	-64766	2294	-2730646	-98718	47918	-727294
p.lo 1	SLV 4	-167668	42127	-3466309	-64766	2294	-2730646	-98718	47918	-727294
p.lo 1	SLV 5	-62732	-187821	-3432187	-31746	-42968	-2791864	-31815	-119985	-622507
p.lo 1	SLV 6	-62732	-187821	-3432187	-31746	-42968	-2791864	-31815	-119985	-622507
p.lo 1	SLV 7	-39922	179994	-3492976	-6051	41751	-2782809	-30960	126795	-712705
p.lo 1	SLV 8	-39922	179994	-3492976	-6051	41751	-2782809	-30960	126795	-712705
p.lo 1	SLV 9	39922	-179994	-3436807	10872	-34564	-2839291	26007	-126410	-582943
p.lo 1	SLV 10	39922	-179994	-3436807	10872	-34564	-2839291	26007	-126410	-582943
p.lo 1	SLV 11	62732	187821	-3497596	36567	50155	-2830236	26861	120371	-673141
p.lo 1	SLV 12	62732	187821	-3497596	36567	50155	-2830236	26861	120371	-673141
p.lo 1	SLV 13	167668	-42127	-3463474	69587	4893	-2891454	93765	-47532	-568354
p.lo 1	SLV 14	167668	-42127	-3463474	69587	4893	-2891454	93765	-47532	-568354
p.lo 1	SLV 15	174511	68218	-3481711	77296	30309	-2888737	94021	26502	-595413
p.lo 1	SLV 16	174511	68218	-3481711	77296	30309	-2888737	94021	26502	-595413
p.lo 1	CRTFP Ux+	1	0	0	1	0	-1	0	0	1
p.lo 1	CRTFP Ux-	-1	0	0	-1	0	1	0	0	-1
p.lo 1	CRTFP Uy+	0	1	0	0	0	0	0	1	0
p.lo 1	CRTFP Uy-	0	-1	0	0	0	0	0	-1	0
p.lo 1	CRTFP Rz+	0	0	0	0	0	0	0	0	0
p.lo 1	CRTFP Rz-	0	0	0	0	0	0	0	0	0
Piano 1	Pesi	0	0	-1494558	487	-3514	-1151847	-613	2865	-339799
Piano 1	Port.	0	0	-1142265	941	-3987	-963233	-1113	3025	-176692
Piano 1	Accidentali	0	0	-636450	584	-2846	-522218	-808	2064	-111882
Piano 1	neve	0	0	-30350	22	-92	-26821	-27	235	-3596
Piano 1	ΔT	0	0	0	-2054	4189	-2478	2023	-3985	2347
Piano 1	SLV X	160459	17783	-21994	53194	20949	-60282	103784	-12235	44829
Piano 1	SLV Y	19832	171564	-27620	19463	39353	19037	312	111216	-36911
Piano 1	X SLD	64197	6983	-8428	20843	8197	-23934	41993	-4766	18068
Piano 1	Y SLD	8315	67772	-11562	7629	15392	7127	663	44171	-14876
Piano 1	Rig Ux	1	0	0	0	0	-1	1	0	1
Piano 1	Rig Uy	0	1	0	0	0	0	0	1	0
Piano 1	Rig Rz	0	0	0	0	0	0	0	0	0
Piano 1	SLU 1	0	0	-2408370	1240	-6703	-1922433	-1503	5285	-481152
Piano 1	SLU 2	0	0	-2408370	-1841	-419	-1926150	1531	-692	-477632
Piano 1	SLU 3	0	0	-2431133	-1824	-488	-1946265	1510	-516	-480329
Piano 1	SLU 4	0	0	-2453895	1273	-6841	-1962664	-1544	5636	-486546
Piano 1	SLU 5	0	0	-2453895	-575	-3071	-1964894	276	2050	-484434
Piano 1	SLU 6	0	0	-3076643	-1228	-3408	-2474478	683	1475	-595108
Piano 1	SLU 7	0	0	-3099405	-1211	-3477	-2494594	662	1651	-597805
Piano 1	SLU 8	0	0	-3122168	1886	-9829	-2510993	-2392	7804	-604022
Piano 1	SLU 9	0	0	-3122168	38	-6059	-2513223	-572	4218	-601909
Piano 1	SLU 10	0	0	-3363045	2116	-10972	-2705760	-2715	8381	-648975
Piano 1	SLU 11	0	0	-3363045	267	-7202	-2707990	-894	4795	-646863
Piano 1	SLU 12	0	0	-3385808	2132	-11041	-2725875	-2735	8557	-651672
Piano 1	SLU 13	0	0	-3385808	284	-7271	-2728105	-915	4971	-649560
Piano 1	SLU 14	0	0	-3207956	1899	-9494	-2596696	-2283	7402	-604837
Piano 1	SLU 15	0	0	-3207956	-1182	-3210	-2600413	752	1425	-601316
Piano 1	SLU 16	0	0	-3230719	-1165	-3279	-2620528	731	1601	-604013
Piano 1	SLU 17	0	0	-3253481	1932	-9631	-2636927	-2324	7754	-610230
Piano 1	SLU 18	0	0	-3253481	83	-5861	-2639157	-503	4168	-608118
Piano 1	SLU 19	0	0	-3876228	-569	-6198	-3148741	-96	3593	-718792
Piano 1	SLU 20	0	0	-3898991	-552	-6267	-3168857	-117	3769	-721489
Piano 1	SLU 21	0	0	-3921753	2545	-12620	-3185256	-3171	9922	-727706
Piano 1	SLU 22	0	0	-3921753	696	-8849	-3187486	-1351	6335	-725594
Piano 1	SLU 23	0	0	-4162631	2774	-13762	-3380023	-3494	10499	-772659
Piano 1	SLU 24	0	0	-4162631	926	-9992	-3382253	-1673	6913	-770547
Piano 1	SLU 25	0	0	-4185393	2791	-13831	-3400138	-3514	10675	-775356
Piano 1	SLU 26	0	0	-4185393	943	-10061	-3402368	-1694	7089	-773244
Piano 1	SLU 27	0	0	-2856738	1386	-7757	-2267987	-1687	6144	-583092
Piano 1	SLU 28	0	0	-2856738	-1694	-1474	-2271704	1347	167	-579572
Piano 1	SLU 29	0	0	-2879500	-1678	-1542	-2291819	1326	343	-582268
Piano 1	SLU 30	0	0	-2902263	1419	-7895	-2308218	-1728	6496	-588485
Piano 1	SLU 31	0	0	-2902263	-429	-4125	-2310448	92	2910	-586373
Piano 1	SLU 32	0	0	-3525010	-1081	-4462	-2820033	499	2335	-697047
Piano 1	SLU 33	0	0	-3547773	-1065	-4531	-2840148	479	2511	-699744
Piano 1	SLU 34	0	0	-3570535	2032	-10883	-2856547	-2576	8663	-705961
Piano 1	SLU 35	0	0	-3570535	184	-7113	-2858777	-756	5077	-703849
Piano 1	SLU 36	0	0	-3811413	2262	-12026	-3051314	-2899	9241	-750915
Piano 1	SLU 37	0	0	-3811413	413	-8256	-3053544	-1078	5654	-748802
Piano 1	SLU 38	0	0	-3834175	2278	-12095	-3071430	-2919	9416	-753611
Piano 1	SLU 39	0	0	-3834175	430	-8325	-3073659	-1099	5830	-751499
Piano 1	SLU 40	0	0	-3656324	2045	-10548	-2942250	-2467	8261	-706776
Piano 1	SLU 41	0	0	-3656324	-1036	-4264	-2945967	568	2285	-703256
Piano 1	SLU 42	0	0	-3679086	-1019	-4333	-2966082	547	2460	-705953
Piano 1	SLU 43	0	0	-3701849	2078	-10686	-2982481	-2507	8613	-712170
Piano 1	SLU 44	0	0	-3701849	229	-6915	-2984711	-687	5027	-710057
Piano 1	SLU 45	0	0	-4324596	-423	-7252	-3494295	-280	4452	-820732
Piano 1	SLU 46	0	0	-4347358	-406	-7321	-3514411	-301	4628	-823428
Piano 1	SLU 47	0	0	-4370121	2691	-13674	-3530810	-3355	10781	-829646
Piano 1	SLU 48	0	0	-4370121	842	-9904	-3533040	-1535	7195	-827533
Piano 1	SLU 49	0	0	-4610998	2921	-14817	-3725577	-3678	11358	-874599
Piano 1	SLU 50	0	0	-4610998	1072	-11046	-3727807	-1857	7772	-872487

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Piano 1	SLU 51	0	0	-4633761	2937	-14885	-3745692	-3698	11534	-877296
Piano 1	SLU 52	0	0	-4633761	1089	-11115	-3747922	-1878	7948	-875184
Piano 1	SLE RA 1	0	0	-2636824	1428	-7500	-2115080	-1726	5889	-516491
Piano 1	SLE RA 2	0	0	-2636824	-625	-3311	-2117557	297	1905	-514144
Piano 1	SLE RA 3	0	0	-2651999	-615	-3357	-2130968	283	2022	-515942
Piano 1	SLE RA 4	0	0	-2667174	1450	-7592	-2141900	-1753	6124	-520086
Piano 1	SLE RA 5	0	0	-2667174	218	-5079	-2143387	-540	3733	-518678
Piano 1	SLE RA 6	0	0	-3082338	-217	-5303	-2483110	-269	3350	-592461
Piano 1	SLE RA 7	0	0	-3097513	-206	-5349	-2496520	-282	3467	-594259
Piano 1	SLE RA 8	0	0	-3112688	1859	-9584	-2507453	-2319	7569	-598404
Piano 1	SLE RA 9	0	0	-3112688	627	-7071	-2508939	-1105	5178	-596995
Piano 1	SLE RA 10	0	0	-3273273	2012	-10346	-2637298	-2534	7954	-628373
Piano 1	SLE RA 11	0	0	-3273273	780	-7833	-2638784	-1320	5563	-626964
Piano 1	SLE RA 12	0	0	-3288448	2023	-10392	-2650708	-2547	8071	-630170
Piano 1	SLE RA 13	0	0	-3288448	791	-7879	-2652194	-1334	5681	-628762
Piano 1	SLE FR 1	0	0	-2636824	1428	-7500	-2115080	-1726	5889	-516491
Piano 1	SLE FR 2	0	0	-2636824	401	-5406	-2116319	-715	3897	-515317
Piano 1	SLE FR 3	0	0	-2642894	1432	-7519	-2120444	-1732	5936	-517210
Piano 1	SLE FR 4	0	0	-2827758	576	-6260	-2272984	-957	4517	-548882
Piano 1	SLE FR 5	0	0	-2833828	1608	-8372	-2277109	-1974	6556	-550774
Piano 1	SLE FR 6	0	0	-2955048	1720	-8923	-2376189	-2130	6922	-572432
Piano 1	SLE QP 1	0	0	-2636824	1428	-7500	-2115080	-1726	5889	-516491
Piano 1	SLE QP 2	0	0	-2827758	1603	-8354	-2271745	-1968	6509	-550055
Piano 1	SLD 1	-66692	-27315	-2815862	-21529	-21169	-2249949	-44161	-1977	-563661
Piano 1	SLD 2	-66692	-27315	-2815862	-21529	-21169	-2249949	-44161	-1977	-563661
Piano 1	SLD 3	-61703	13348	-2822799	-16951	-11933	-2245673	-43763	24526	-572587
Piano 1	SLD 4	-61703	13348	-2822799	-16951	-11933	-2245673	-43763	24526	-572587
Piano 1	SLD 5	-27575	-69867	-2813668	-12279	-26205	-2271692	-15230	-36232	-540600
Piano 1	SLD 6	-27575	-69867	-2813668	-12279	-26205	-2271692	-15230	-36232	-540600
Piano 1	SLD 7	-10944	65677	-2836792	2980	4579	-2257438	-13903	52109	-570352
Piano 1	SLD 8	-10944	65677	-2836792	2980	4579	-2257438	-13903	52109	-570352
Piano 1	SLD 9	10944	-65677	-2818725	227	-21287	-2286052	9966	-39091	-529759
Piano 1	SLD 10	10944	-65677	-2818725	227	-21287	-2286052	9966	-39091	-529759
Piano 1	SLD 11	27575	69867	-2841849	15486	9497	-2271799	11293	49250	-559511
Piano 1	SLD 12	27575	69867	-2841849	15486	9497	-2271799	11293	49250	-559511
Piano 1	SLD 13	61703	-13348	-2832718	20158	-4775	-2297817	39826	-11508	-527524
Piano 1	SLD 14	61703	-13348	-2832718	20158	-4775	-2297817	39826	-11508	-527524
Piano 1	SLD 15	66692	27315	-2839655	24735	4461	-2293541	40224	14994	-536450
Piano 1	SLD 16	66692	27315	-2839655	24735	4461	-2293541	40224	14994	-536450
Piano 1	SLV 1	-166409	-69252	-2797478	-57429	-41109	-2217174	-105846	-14620	-583811
Piano 1	SLV 2	-166409	-69252	-2797478	-57429	-41109	-2217174	-105846	-14620	-583811
Piano 1	SLV 3	-154509	33686	-2814050	-45752	-17497	-2205752	-105659	52109	-605957
Piano 1	SLV 4	-154509	33686	-2814050	-45752	-17497	-2205752	-105659	52109	-605957
Piano 1	SLV 5	-67970	-176898	-2793540	-33818	-53992	-2272697	-33415	-101036	-526593
Piano 1	SLV 6	-67970	-176898	-2793540	-33818	-53992	-2272697	-33415	-101036	-526593
Piano 1	SLV 7	-28305	166229	-2848780	5108	24714	-2234624	-32792	121395	-600415
Piano 1	SLV 8	-28305	166229	-2848780	5108	24714	-2234624	-32792	121395	-600415
Piano 1	SLV 9	28305	-166229	-2806737	-1902	-41422	-2308866	28855	-108377	-499696
Piano 1	SLV 10	28305	-166229	-2806737	-1902	-41422	-2308866	28855	-108377	-499696
Piano 1	SLV 11	67970	176898	-2861977	37025	37283	-2270793	29479	114054	-573518
Piano 1	SLV 12	67970	176898	-2861977	37025	37283	-2270793	29479	114054	-573518
Piano 1	SLV 13	154509	-33686	-2841467	48958	789	-2337738	101722	-39091	-494153
Piano 1	SLV 14	154509	-33686	-2841467	48958	789	-2337738	101722	-39091	-494153
Piano 1	SLV 15	166409	69252	-2858039	60636	24400	-2326316	101909	27638	-516300
Piano 1	SLV 16	166409	69252	-2858039	60636	24400	-2326316	101909	27638	-516300
Piano 1	CRTFP Ux+	1	0	0	0	0	-1	1	0	1
Piano 1	CRTFP Ux-	-1	0	0	0	0	1	-1	0	-1
Piano 1	CRTFP Uy+	0	1	0	0	0	0	0	1	0
Piano 1	CRTFP Uy-	0	-1	0	0	0	0	0	-1	0
Piano 1	CRTFP Rz+	0	0	0	0	0	0	0	0	0
Piano 1	CRTFP Rz-	0	0	0	0	0	0	0	0	0
p.lo 2	Pesi	0	0	-1447565	966	-1640	-1123082	-613	2865	-322671
p.lo 2	Port.	0	0	-1137112	1137	-2609	-959141	-1113	3025	-176692
p.lo 2	Accidentali	0	0	-630456	1077	-1940	-517642	-808	2064	-111882
p.lo 2	neve	0	0	-30350	26	-24	-26642	-27	235	-3596
p.lo 2	ΔT	0	0	0	-2011	2939	-2894	2023	-3985	2347
p.lo 2	SLV X	153723	13071	9544	52561	14340	-52846	97771	-12540	57119
p.lo 2	SLV Y	16262	167455	-34643	19704	38291	-667	-5100	107591	-44092
p.lo 2	X SLD	60863	5108	4778	20613	5614	-21011	38926	-4904	23733
p.lo 2	Y SLD	6451	65844	-16193	7725	14990	-491	-1922	42438	-19649
p.lo 2	Rig Ux	1	0	0	0	0	-1	1	0	1
p.lo 2	Rig Uy	0	1	0	0	0	0	0	1	0
p.lo 2	Rig Rz	0	0	0	0	0	0	0	0	0
p.lo 2	SLU 1	0	0	-2357254	1875	-3727	-1890394	-1503	5285	-464025
p.lo 2	SLU 2	0	0	-2357254	-1141	682	-1894735	1531	-692	-460504
p.lo 2	SLU 3	0	0	-2380016	-1122	664	-1914717	1510	-516	-463201
p.lo 2	SLU 4	0	0	-2402779	1914	-3764	-1930357	-1544	5636	-469418
p.lo 2	SLU 5	0	0	-2402779	104	-1118	-1932962	276	2050	-467306
p.lo 2	SLU 6	0	0	-3019233	-10	-1355	-2438259	683	1475	-577980
p.lo 2	SLU 7	0	0	-3041996	9	-1374	-2458241	662	1651	-580677
p.lo 2	SLU 8	0	0	-3064758	3045	-5801	-2473881	-2392	7804	-586894
p.lo 2	SLU 9	0	0	-3064758	1235	-3155	-2476486	-572	4218	-584782
p.lo 2	SLU 10	0	0	-3302939	3491	-6638	-2666857	-2715	8381	-631848
p.lo 2	SLU 11	0	0	-3302939	1681	-3992	-2669462	-894	4795	-629735
p.lo 2	SLU 12	0	0	-3325701	3511	-6656	-2686839	-2735	8557	-634544
p.lo 2	SLU 13	0	0	-3325701	1701	-4010	-2689443	-915	4971	-632432
p.lo 2	SLU 14	0	0	-3153232	2671	-5553	-2561793	-2283	7402	-587709
p.lo 2	SLU 15	0	0	-3153232	-346	-1144	-2566134	752	1425	-584189
p.lo 2	SLU 16	0	0	-3175995	-326	-1162	-2586115	731	1601	-586885
p.lo 2	SLU 17	0	0	-3198757	2710	-5590	-2601756	-2324	7754	-593103
p.lo 2	SLU 18	0	0	-3198757	900	-2944	-2604360	-503	4168	-590990
p.lo 2	SLU 19	0	0	-3815211	786	-3181	-3109658	-96	3593	-701665
p.lo 2	SLU 20	0	0	-3837974	805	-3200	-3129639	-117	3769	-704361
p.lo 2	SLU 21	0	0	-3860736	3841	-7627	-3145280	-3171	9922	-710579
p.lo 2	SLU 22	0	0	-3860736	2031	-4982	-3147884	-1351	6335	-708466
p.lo 2	SLU 23	0	0	-4098917	4287	-8464	-3338256	-3494	10499	-755532
p.lo 2	SLU 24	0	0	-4098917	2477	-5818	-3340861	-1673	6913	-753420
p.lo 2	SLU 25	0	0	-4121679	4307	-8482	-3358237	-3514	10675	-758229

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
p.lo 2	SLU 26	0	0	-4121679	2497	-5836	-3360842	-1694	7089	-756116
p.lo 2	SLU 27	0	0	-2791523	2165	-4219	-2227319	-1687	6144	-560826
p.lo 2	SLU 28	0	0	-2791523	-852	190	-2231660	1347	167	-557306
p.lo 2	SLU 29	0	0	-2814286	-832	172	-2251641	1326	343	-560003
p.lo 2	SLU 30	0	0	-2837048	2204	-4256	-2267282	-1728	6496	-566220
p.lo 2	SLU 31	0	0	-2837048	394	-1610	-2269886	92	2910	-564107
p.lo 2	SLU 32	0	0	-3453503	280	-1847	-2775184	499	2335	-674782
p.lo 2	SLU 33	0	0	-3476265	299	-1866	-2795165	479	2511	-677478
p.lo 2	SLU 34	0	0	-3499028	3335	-6293	-2810806	-2576	8663	-683696
p.lo 2	SLU 35	0	0	-3499028	1525	-3647	-2813410	-756	5077	-681583
p.lo 2	SLU 36	0	0	-3737208	3781	-7130	-3003782	-2899	9241	-728649
p.lo 2	SLU 37	0	0	-3737208	1971	-4484	-3006386	-1078	5654	-726537
p.lo 2	SLU 38	0	0	-3759970	3801	-7148	-3023763	-2919	9416	-731346
p.lo 2	SLU 39	0	0	-3759970	1991	-4502	-3026368	-1099	5830	-729233
p.lo 2	SLU 40	0	0	-3587501	2961	-6045	-2898718	-2467	8261	-684510
p.lo 2	SLU 41	0	0	-3587501	-56	-1636	-2903058	568	2285	-680990
p.lo 2	SLU 42	0	0	-3610264	-36	-1655	-2923040	547	2460	-683687
p.lo 2	SLU 43	0	0	-3633026	3000	-6082	-2938680	-2507	8613	-689904
p.lo 2	SLU 44	0	0	-3633026	1190	-3436	-2941285	-687	5027	-687792
p.lo 2	SLU 45	0	0	-4249481	1075	-3674	-3446582	-280	4452	-798466
p.lo 2	SLU 46	0	0	-4272243	1095	-3692	-3466564	-301	4628	-801163
p.lo 2	SLU 47	0	0	-4295006	4131	-8119	-3482204	-3355	10781	-807380
p.lo 2	SLU 48	0	0	-4295006	2321	-5474	-3484809	-1535	7195	-805268
p.lo 2	SLU 49	0	0	-4533186	4577	-8956	-3675181	-3678	11358	-852333
p.lo 2	SLU 50	0	0	-4533186	2767	-6310	-3677785	-1857	7772	-850221
p.lo 2	SLU 51	0	0	-4555949	4596	-8974	-3695162	-3698	11534	-855030
p.lo 2	SLU 52	0	0	-4555949	2786	-6328	-3697766	-1878	7948	-852918
p.lo 2	SLE RA 1	0	0	-2584676	2103	-4249	-2082223	-1726	5889	-499363
p.lo 2	SLE RA 2	0	0	-2584676	92	-1310	-2085116	297	1905	-497016
p.lo 2	SLE RA 3	0	0	-2599851	104	-1322	-2098437	283	2022	-498814
p.lo 2	SLE RA 4	0	0	-2615026	2129	-4273	-2108864	-1753	6124	-502959
p.lo 2	SLE RA 5	0	0	-2615026	922	-2510	-2110601	-540	3733	-501551
p.lo 2	SLE RA 6	0	0	-3025996	846	-2668	-2447466	-269	3350	-575334
p.lo 2	SLE RA 7	0	0	-3041171	859	-2680	-2460787	-282	3467	-577131
p.lo 2	SLE RA 8	0	0	-3056346	2883	-5631	-2471214	-2319	7569	-581276
p.lo 2	SLE RA 9	0	0	-3056346	1676	-3868	-2472950	-1105	5178	-579868
p.lo 2	SLE RA 10	0	0	-3215133	3180	-6189	-2599865	-2534	7954	-611245
p.lo 2	SLE RA 11	0	0	-3215133	1973	-4426	-2601601	-1320	5563	-609837
p.lo 2	SLE RA 12	0	0	-3230308	3193	-6201	-2613185	-2547	8071	-613043
p.lo 2	SLE RA 13	0	0	-3230308	1986	-4438	-2614922	-1334	5681	-611635
p.lo 2	SLE FR 1	0	0	-2584676	2103	-4249	-2082223	-1726	5889	-499363
p.lo 2	SLE FR 2	0	0	-2584676	1097	-2779	-2083670	-715	3897	-498190
p.lo 2	SLE FR 3	0	0	-2590746	2108	-4254	-2087551	-1732	5936	-500082
p.lo 2	SLE FR 4	0	0	-2773813	1420	-3361	-2238962	-957	4517	-531754
p.lo 2	SLE FR 5	0	0	-2779883	2431	-4836	-2242844	-1974	6556	-533647
p.lo 2	SLE FR 6	0	0	-2899904	2641	-5219	-2341044	-2130	6922	-555304
p.lo 2	SLE QP 1	0	0	-2584676	2103	-4249	-2082223	-1726	5889	-499363
p.lo 2	SLE QP 2	0	0	-2773813	2426	-4831	-2237515	-1968	6509	-532928
p.lo 2	SLD 1	-62798	-24861	-2773733	-20505	-14942	-2216357	-40318	-1318	-550766
p.lo 2	SLD 2	-62798	-24861	-2773733	-20505	-14942	-2216357	-40318	-1318	-550766
p.lo 2	SLD 3	-58928	14645	-2783449	-15870	-5948	-2216651	-41471	24145	-562556
p.lo 2	SLD 4	-58928	14645	-2783449	-15870	-5948	-2216651	-41471	24145	-562556
p.lo 2	SLD 5	-24710	-67376	-2759053	-11483	-21505	-2230721	-11725	-34458	-520399
p.lo 2	SLD 6	-24710	-67376	-2759053	-11483	-21505	-2230721	-11725	-34458	-520399
p.lo 2	SLD 7	-11808	64312	-2791440	3967	8474	-2231702	-15568	50418	-559697
p.lo 2	SLD 8	-11808	64312	-2791440	3967	8474	-2231702	-15568	50418	-559697
p.lo 2	SLD 9	11808	-64312	-2756186	885	-18136	-2243328	11631	-37400	-506159
p.lo 2	SLD 10	11808	-64312	-2756186	885	-18136	-2243328	11631	-37400	-506159
p.lo 2	SLD 11	24710	67376	-2788573	16335	11843	-2244309	7788	47476	-545457
p.lo 2	SLD 12	24710	67376	-2788573	16335	11843	-2244309	7788	47476	-545457
p.lo 2	SLD 13	58928	-14645	-2764177	20722	-3714	-2258379	37535	-11127	-503300
p.lo 2	SLD 14	58928	-14645	-2764177	20722	-3714	-2258379	37535	-11127	-503300
p.lo 2	SLD 15	62798	24861	-2773893	25357	5280	-2258674	36382	14336	-515089
p.lo 2	SLD 16	62798	24861	-2773893	25357	5280	-2258674	36382	14336	-515089
p.lo 2	SLV 1	-158602	-63307	-2772964	-56046	-30658	-2184469	-98210	-13229	-576819
p.lo 2	SLV 2	-158602	-63307	-2772964	-56046	-30658	-2184469	-98210	-13229	-576819
p.lo 2	SLV 3	-148845	37166	-2793750	-44224	-7683	-2184869	-101270	51326	-603274
p.lo 2	SLV 4	-148845	37166	-2793750	-44224	-7683	-2184869	-101270	51326	-603274
p.lo 2	SLV 5	-62379	-171377	-2742034	-33046	-47424	-2220994	-26200	-97321	-505972
p.lo 2	SLV 6	-62379	-171377	-2742034	-33046	-47424	-2220994	-26200	-97321	-505972
p.lo 2	SLV 7	-29855	163534	-2811319	6361	29158	-2222328	-36400	117862	-594155
p.lo 2	SLV 8	-29855	163534	-2811319	6361	29158	-2222328	-36400	117862	-594155
p.lo 2	SLV 9	29855	-163534	-2736307	-1509	-38820	-2252702	32463	-104844	-471700
p.lo 2	SLV 10	29855	-163534	-2736307	-1509	-38820	-2252702	32463	-104844	-471700
p.lo 2	SLV 11	62379	171377	-2805593	37898	37762	-2254036	22263	110338	-559883
p.lo 2	SLV 12	62379	171377	-2805593	37898	37762	-2254036	22263	110338	-559883
p.lo 2	SLV 13	148845	-37166	-2753876	49076	-1978	-2290161	97333	-38308	-462581
p.lo 2	SLV 14	148845	-37166	-2753876	49076	-1978	-2290161	97333	-38308	-462581
p.lo 2	SLV 15	158602	63307	-2774662	60898	20996	-2290562	94273	26246	-489036
p.lo 2	SLV 16	158602	63307	-2774662	60898	20996	-2290562	94273	26246	-489036
p.lo 2	CRTFP Ux+	1	0	0	0	0	-1	1	0	1
p.lo 2	CRTFP Ux-	-1	0	0	0	0	1	-1	0	-1
p.lo 2	CRTFP Uy+	0	1	0	0	0	0	0	1	0
p.lo 2	CRTFP Uy-	0	-1	0	0	0	0	0	-1	0
p.lo 2	CRTFP Rz+	0	0	0	0	0	0	0	0	0
p.lo 2	CRTFP Rz-	0	0	0	0	0	0	0	0	0
Piano 2	Pesi	0	0	-1157068	76	-3469	-880313	-143	3626	-274340
Piano 2	Port.	0	0	-840089	1152	-4127	-700624	-1265	3724	-137480
Piano 2	Accidentali	0	0	-505004	694	-3213	-412594	-883	2810	-90303
Piano 2	neve	0	0	-30350	13	-144	-26985	-18	327	-3451
Piano 2	ΔT	0	0	0	-318	992	-1837	345	-989	1807
Piano 2	SLV X	139908	15278	-4066	59596	17587	-47778	76959	-12756	48622
Piano 2	SLV Y	12631	149133	-101046	20357	42470	20012	-9360	85404	-111132
Piano 2	X SLD	56262	5892	38	23319	6869	-19395	31635	-5054	21350
Piano 2	Y SLD	4822	59310	-49982	7953	16618	7612	-3768	34399	-53722
Piano 2	Rig Ux	1	0	0	1	0	-1	0	0	1
Piano 2	Rig Uy	0	1	0	0	0	0	0	0	0
Piano 2	Rig Rz	0	0	0	0	0	0	0	0	0

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Piano 2	SLU 1	0	0	-1829139	998	-6770	-1440811	-1155	6605	-384324
Piano 2	SLU 2	0	0	-1829139	520	-5283	-1443568	-638	5122	-381613
Piano 2	SLU 3	0	0	-1851902	530	-5391	-1463807	-652	5367	-384202
Piano 2	SLU 4	0	0	-1874664	1017	-6987	-1481290	-1182	7096	-389501
Piano 2	SLU 5	0	0	-1874664	730	-6094	-1482943	-872	6206	-387874
Piano 2	SLU 6	0	0	-2359394	1249	-8657	-1876791	-1565	8072	-476431
Piano 2	SLU 7	0	0	-2382156	1259	-8765	-1897030	-1579	8318	-479019
Piano 2	SLU 8	0	0	-2404919	1746	-10361	-1914513	-2110	10047	-484318
Piano 2	SLU 9	0	0	-2404919	1459	-9468	-1916167	-1800	9156	-482692
Piano 2	SLU 10	0	0	-2586645	2039	-11590	-2059702	-2480	10820	-519778
Piano 2	SLU 11	0	0	-2586645	1752	-10698	-2061356	-2170	9930	-518151
Piano 2	SLU 12	0	0	-2609408	2048	-11698	-2079941	-2494	11066	-522366
Piano 2	SLU 13	0	0	-2609408	1762	-10806	-2081595	-2183	10176	-520740
Piano 2	SLU 14	0	0	-2417202	1804	-9659	-1931248	-2041	9212	-480560
Piano 2	SLU 15	0	0	-2417202	1327	-8171	-1934004	-1524	7729	-477849
Piano 2	SLU 16	0	0	-2439964	1336	-8280	-1954243	-1537	7974	-480438
Piano 2	SLU 17	0	0	-2462727	1823	-9876	-1971726	-2068	9703	-485737
Piano 2	SLU 18	0	0	-2462727	1537	-8983	-1973380	-1758	8813	-484110
Piano 2	SLU 19	0	0	-2947456	2056	-11545	-2367227	-2451	10679	-572667
Piano 2	SLU 20	0	0	-2970218	2065	-11654	-2387467	-2465	10924	-575255
Piano 2	SLU 21	0	0	-2992981	2552	-13249	-2404950	-2996	12653	-580554
Piano 2	SLU 22	0	0	-2992981	2266	-12357	-2406603	-2685	11763	-578928
Piano 2	SLU 23	0	0	-3174708	2845	-14479	-2550139	-3366	13427	-616014
Piano 2	SLU 24	0	0	-3174708	2559	-13586	-2551792	-3055	12537	-614387
Piano 2	SLU 25	0	0	-3197470	2855	-14587	-2570378	-3379	13672	-618602
Piano 2	SLU 26	0	0	-3197470	2568	-13695	-2572031	-3069	12782	-616976
Piano 2	SLU 27	0	0	-2176260	1021	-7811	-1704905	-1198	7693	-466626
Piano 2	SLU 28	0	0	-2176260	543	-6323	-1707661	-681	6210	-463915
Piano 2	SLU 29	0	0	-2199022	553	-6432	-1727900	-694	6455	-466504
Piano 2	SLU 30	0	0	-2221785	1040	-8027	-1745383	-1225	8184	-471803
Piano 2	SLU 31	0	0	-2221785	753	-7135	-1747037	-915	7294	-470176
Piano 2	SLU 32	0	0	-2706514	1272	-9697	-2140885	-1608	9160	-558733
Piano 2	SLU 33	0	0	-2729277	1281	-9805	-2161124	-1622	9406	-561321
Piano 2	SLU 34	0	0	-2752039	1768	-11401	-2178607	-2153	11134	-566620
Piano 2	SLU 35	0	0	-2752039	1482	-10509	-2180261	-1842	10244	-564994
Piano 2	SLU 36	0	0	-2933766	2062	-12631	-2323796	-2523	11908	-602080
Piano 2	SLU 37	0	0	-2933766	1775	-11738	-2325450	-2212	11018	-600453
Piano 2	SLU 38	0	0	-2956528	2071	-12739	-2344035	-2536	12154	-604668
Piano 2	SLU 39	0	0	-2956528	1785	-11847	-2345689	-2226	11264	-603042
Piano 2	SLU 40	0	0	-2764322	1827	-10700	-2195342	-2083	10300	-562862
Piano 2	SLU 41	0	0	-2764322	1350	-9212	-2198098	-1566	8816	-560151
Piano 2	SLU 42	0	0	-2787085	1359	-9320	-2218337	-1580	9062	-562740
Piano 2	SLU 43	0	0	-2809847	1846	-10916	-2235820	-2111	10791	-568039
Piano 2	SLU 44	0	0	-2809847	1560	-10024	-2237474	-1801	9900	-566412
Piano 2	SLU 45	0	0	-3294576	2078	-12586	-2631321	-2494	11767	-654969
Piano 2	SLU 46	0	0	-3317339	2088	-12694	-2651560	-2508	12012	-657557
Piano 2	SLU 47	0	0	-3340101	2575	-14290	-2669043	-3038	13741	-662856
Piano 2	SLU 48	0	0	-3340101	2289	-13398	-2670697	-2728	12851	-661230
Piano 2	SLU 49	0	0	-3521828	2868	-15520	-2814232	-3408	14515	-698316
Piano 2	SLU 50	0	0	-3521828	2582	-14627	-2815886	-3098	13625	-696689
Piano 2	SLU 51	0	0	-3544591	2878	-15628	-2834472	-3422	14760	-700904
Piano 2	SLU 52	0	0	-3544591	2591	-14735	-2836125	-3112	13870	-699278
Piano 2	SLE RA 1	0	0	-1997157	1228	-7596	-1580936	-1408	7350	-411820
Piano 2	SLE RA 2	0	0	-1997157	910	-6604	-1582774	-1063	6361	-410013
Piano 2	SLE RA 3	0	0	-2012332	916	-6676	-1596266	-1072	6525	-411738
Piano 2	SLE RA 4	0	0	-2027507	1241	-7740	-1607922	-1426	7677	-415271
Piano 2	SLE RA 5	0	0	-2027507	1050	-7145	-1609024	-1219	7084	-414187
Piano 2	SLE RA 6	0	0	-2350660	1396	-8853	-1871589	-1682	8328	-473225
Piano 2	SLE RA 7	0	0	-2365835	1402	-8925	-1885082	-1691	8492	-474950
Piano 2	SLE RA 8	0	0	-2381010	1727	-9989	-1896737	-2045	9644	-478483
Piano 2	SLE RA 9	0	0	-2381010	1536	-9394	-1897840	-1838	9051	-477399
Piano 2	SLE RA 10	0	0	-2502161	1922	-10809	-1993530	-2291	10160	-502122
Piano 2	SLE RA 11	0	0	-2502161	1731	-10214	-1994632	-2085	9567	-501038
Piano 2	SLE RA 12	0	0	-2517336	1929	-10881	-2007023	-2300	10324	-503848
Piano 2	SLE RA 13	0	0	-2517336	1738	-10286	-2008125	-2094	9730	-502764
Piano 2	SLE FR 1	0	0	-1997157	1228	-7596	-1580936	-1408	7350	-411820
Piano 2	SLE FR 2	0	0	-1997157	1069	-7100	-1581855	-1236	6856	-410916
Piano 2	SLE FR 3	0	0	-2003227	1231	-7625	-1586333	-1412	7416	-412510
Piano 2	SLE FR 4	0	0	-2148658	1277	-8064	-1705633	-1501	7699	-438007
Piano 2	SLE FR 5	0	0	-2154728	1439	-8588	-1710111	-1677	8259	-439601
Piano 2	SLE FR 6	0	0	-2249659	1575	-9202	-1787233	-1850	8755	-456971
Piano 2	SLE QP 1	0	0	-1997157	1228	-7596	-1580936	-1408	7350	-411820
Piano 2	SLE QP 2	0	0	-2148658	1436	-8560	-1704714	-1673	8193	-438911
Piano 2	SLD 1	-57709	-23685	-2133702	-24269	-20414	-1687603	-32178	2927	-444144
Piano 2	SLD 2	-57709	-23685	-2133702	-24269	-20414	-1687603	-32178	2927	-444144
Piano 2	SLD 3	-54815	11901	-2163691	-19497	-10443	-1683036	-34438	23567	-476377
Piano 2	SLD 4	-54815	11901	-2163691	-19497	-10443	-1683036	-34438	23567	-476377
Piano 2	SLD 5	-21701	-61078	-2098688	-13512	-27239	-1706507	-7396	-24690	-391594
Piano 2	SLD 6	-21701	-61078	-2098688	-13512	-27239	-1706507	-7396	-24690	-391594
Piano 2	SLD 7	-12056	57543	-2198652	2393	5998	-1691284	-14931	44109	-499037
Piano 2	SLD 8	-12056	57543	-2198652	2393	5998	-1691284	-14931	44109	-499037
Piano 2	SLD 9	12056	-57543	-2098665	480	-23117	-1718144	11585	-27722	-378784
Piano 2	SLD 10	12056	-57543	-2098665	480	-23117	-1718144	11585	-27722	-378784
Piano 2	SLD 11	21701	61078	-2198629	16385	10119	-1702921	4050	41076	-486227
Piano 2	SLD 12	21701	61078	-2198629	16385	10119	-1702921	4050	41076	-486227
Piano 2	SLD 13	54815	-11901	-2133626	22370	-6676	-1726393	31092	-7181	-401444
Piano 2	SLD 14	54815	-11901	-2133626	22370	-6676	-1726393	31092	-7181	-401444
Piano 2	SLD 15	57709	23685	-2163615	27142	3295	-1721826	28832	13459	-433677
Piano 2	SLD 16	57709	23685	-2163615	27142	3295	-1721826	28832	13459	-433677
Piano 2	SLV 1	-143698	-60018	-2114279	-64267	-38887	-1662940	-75824	-4672	-454193
Piano 2	SLV 2	-143698	-60018	-2114279	-64267	-38887	-1662940	-75824	-4672	-454193
Piano 2	SLV 3	-136119	29462	-2174906	-52052	-13405	-1650933	-81440	46570	-520873
Piano 2	SLV 4	-136119	29462	-2174906	-52052	-13405	-1650933	-81440	46570	-520873
Piano 2	SLV 5	-54604	-153717	-2046392	-36800	-56306	-1710393	-15401	-73384	-342365
Piano 2	SLV 6	-54604	-153717	-2046392	-36800	-56306	-1710393	-15401	-73384	-342365
Piano 2	SLV 7	-29341	144550	-2248485	3915	28635	-1670369	-34121	97424	-564629
Piano 2	SLV 8	-29341	144550	-2248485	3915	28635	-1670369	-34121	97424	-564629
Piano 2	SLV 9	29341	-144550	-2048832	-1042	-45754	-1739060	30775	-81038	-313192

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Piano 2	SLV 10	29341	-144550	-2048832	-1042	-45754	-1739060	30775	-81038	-313192
Piano 2	SLV 11	54604	153717	-2250925	39672	39186	-1699035	12055	89771	-535456
Piano 2	SLV 12	54604	153717	-2250925	39672	39186	-1699035	12055	89771	-535456
Piano 2	SLV 13	136119	-29462	-2122411	54925	-3714	-1758495	78094	-30184	-356949
Piano 2	SLV 14	136119	-29462	-2122411	54925	-3714	-1758495	78094	-30184	-356949
Piano 2	SLV 15	143698	60018	-2183038	67140	21768	-1746488	72478	21059	-423628
Piano 2	SLV 16	143698	60018	-2183038	67140	21768	-1746488	72478	21059	-423628
Piano 2	CRTFP Ux+	1	0	0	1	0	-1	0	0	1
Piano 2	CRTFP Ux-	-1	0	0	-1	0	1	0	0	-1
Piano 2	CRTFP Uy+	0	1	0	0	0	0	0	0	0
Piano 2	CRTFP Uy-	0	-1	0	0	0	0	0	0	0
Piano 2	CRTFP Rz+	0	0	0	0	0	0	0	0	0
Piano 2	CRTFP Rz-	0	0	0	0	0	0	0	0	0
p.lo 3	Pesi	0	0	-1110772	444	-2116	-851629	-143	3626	-257212
p.lo 3	Port.	0	0	-834935	1223	-3199	-696130	-1265	3724	-137480
p.lo 3	Accidentali	0	0	-499011	1103	-2483	-407678	-883	2810	-90303
p.lo 3	neve	0	0	-30350	17	-75	-26764	-18	327	-3451
p.lo 3	ΔT	0	0	0	-305	-40	-2343	345	-989	1807
p.lo 3	SLV X	129520	11646	-3036	58828	12742	-44718	67369	-11998	36618
p.lo 3	SLV Y	19841	142023	-42913	20082	42157	418	-1874	78949	-53086
p.lo 3	X SLD	51114	4538	-1352	23022	4977	-18182	26795	-4695	14853
p.lo 3	Y SLD	7824	55949	-20440	7863	16495	20	-677	31287	-24269
p.lo 3	Rig Ux	1	0	0	1	0	-1	0	0	1
p.lo 3	Rig Uy	0	1	0	0	0	0	0	0	0
p.lo 3	Rig Rz	0	0	0	0	0	0	0	0	0
p.lo 3	SLU 1	0	0	-1778720	1422	-4675	-1408533	-1155	6605	-367196
p.lo 3	SLU 2	0	0	-1778720	965	-4735	-1412047	-638	5122	-364486
p.lo 3	SLU 3	0	0	-1801483	978	-4792	-1432120	-652	5367	-367074
p.lo 3	SLU 4	0	0	-1824245	1448	-4787	-1448679	-1182	7096	-372373
p.lo 3	SLU 5	0	0	-1824245	1174	-4824	-1450788	-872	6206	-370747
p.lo 3	SLU 6	0	0	-2302681	2124	-7343	-1840109	-1565	8072	-459304
p.lo 3	SLU 7	0	0	-2325444	2137	-7399	-1860182	-1579	8318	-461892
p.lo 3	SLU 8	0	0	-2348206	2607	-7395	-1876742	-2110	10047	-467191
p.lo 3	SLU 9	0	0	-2348206	2333	-7431	-1878850	-1800	9156	-465565
p.lo 3	SLU 10	0	0	-2527236	3077	-8400	-2020051	-2480	10820	-502650
p.lo 3	SLU 11	0	0	-2527236	2803	-8436	-2022159	-2170	9930	-501024
p.lo 3	SLU 12	0	0	-2549999	3090	-8456	-2040124	-2494	11066	-505239
p.lo 3	SLU 13	0	0	-2549999	2816	-8493	-2042232	-2183	10176	-503612
p.lo 3	SLU 14	0	0	-2363175	2278	-6914	-1895824	-2041	9212	-463432
p.lo 3	SLU 15	0	0	-2363175	1821	-6974	-1899338	-1524	7729	-460722
p.lo 3	SLU 16	0	0	-2385938	1834	-7031	-1919411	-1537	7974	-463310
p.lo 3	SLU 17	0	0	-2408700	2304	-7027	-1935970	-2068	9703	-468609
p.lo 3	SLU 18	0	0	-2408700	2030	-7063	-1938079	-1758	8813	-466983
p.lo 3	SLU 19	0	0	-2887136	2980	-9582	-2327400	-2451	10679	-555539
p.lo 3	SLU 20	0	0	-2909899	2993	-9638	-2347473	-2465	10924	-558128
p.lo 3	SLU 21	0	0	-2932661	3463	-9634	-2364033	-2996	12653	-563427
p.lo 3	SLU 22	0	0	-2932661	3189	-9671	-2366141	-2685	11763	-561801
p.lo 3	SLU 23	0	0	-3111691	3933	-10639	-2507342	-3366	13427	-598886
p.lo 3	SLU 24	0	0	-3111691	3659	-10675	-2509450	-3055	12537	-597260
p.lo 3	SLU 25	0	0	-3134453	3946	-10695	-2527415	-3379	13672	-601475
p.lo 3	SLU 26	0	0	-3134453	3672	-10732	-2529523	-3069	12782	-599848
p.lo 3	SLU 27	0	0	-2111952	1555	-5309	-1664022	-1198	7693	-444360
p.lo 3	SLU 28	0	0	-2111952	1098	-5370	-1667536	-681	6210	-441650
p.lo 3	SLU 29	0	0	-2134714	1111	-5426	-1687609	-694	6455	-444238
p.lo 3	SLU 30	0	0	-2157477	1581	-5422	-1704168	-1225	8184	-449537
p.lo 3	SLU 31	0	0	-2157477	1307	-5459	-1706277	-915	7294	-447911
p.lo 3	SLU 32	0	0	-2635913	2257	-7978	-2095598	-1608	9160	-536467
p.lo 3	SLU 33	0	0	-2658676	2270	-8034	-2115671	-1622	9406	-539056
p.lo 3	SLU 34	0	0	-2681438	2740	-8030	-2132230	-2153	11134	-544355
p.lo 3	SLU 35	0	0	-2681438	2466	-8066	-2134339	-1842	10244	-542728
p.lo 3	SLU 36	0	0	-2860468	3210	-9034	-2275539	-2523	11908	-579814
p.lo 3	SLU 37	0	0	-2860468	2936	-9071	-2277648	-2212	11018	-578188
p.lo 3	SLU 38	0	0	-2883230	3223	-9091	-2295612	-2536	12154	-582402
p.lo 3	SLU 39	0	0	-2883230	2949	-9127	-2297721	-2226	11264	-580776
p.lo 3	SLU 40	0	0	-2696407	2411	-7548	-2151313	-2083	10300	-540596
p.lo 3	SLU 41	0	0	-2696407	1955	-7609	-2154827	-1566	8816	-537886
p.lo 3	SLU 42	0	0	-2719169	1968	-7666	-2174900	-1580	9062	-540474
p.lo 3	SLU 43	0	0	-2741932	2438	-7661	-2191459	-2111	10791	-545773
p.lo 3	SLU 44	0	0	-2741932	2163	-7698	-2193568	-1801	9900	-544147
p.lo 3	SLU 45	0	0	-3220368	3113	-10217	-2582889	-2494	11767	-632703
p.lo 3	SLU 46	0	0	-3243130	3126	-10273	-2602962	-2508	12012	-635292
p.lo 3	SLU 47	0	0	-3265893	3596	-10269	-2619521	-3038	13741	-640591
p.lo 3	SLU 48	0	0	-3265893	3322	-10305	-2621630	-2728	12851	-638964
p.lo 3	SLU 49	0	0	-3444923	4066	-11274	-2762830	-3408	14515	-676050
p.lo 3	SLU 50	0	0	-3444923	3792	-11310	-2764939	-3098	13625	-674424
p.lo 3	SLU 51	0	0	-3467685	4079	-11330	-2782903	-3422	14760	-678638
p.lo 3	SLU 52	0	0	-3467685	3805	-11366	-2785012	-3112	13870	-677012
p.lo 3	SLE RA 1	0	0	-1945707	1667	-5314	-1547759	-1408	7350	-394692
p.lo 3	SLE RA 2	0	0	-1945707	1362	-5355	-1550102	-1063	6361	-392885
p.lo 3	SLE RA 3	0	0	-1960882	1371	-5392	-1563484	-1072	6525	-394611
p.lo 3	SLE RA 4	0	0	-1976057	1684	-5390	-1574523	-1426	7677	-398144
p.lo 3	SLE RA 5	0	0	-1976057	1501	-5414	-1575929	-1219	7084	-397059
p.lo 3	SLE RA 6	0	0	-2295015	2135	-7093	-1835477	-1682	8328	-456097
p.lo 3	SLE RA 7	0	0	-2310190	2143	-7131	-1848859	-1691	8492	-457823
p.lo 3	SLE RA 8	0	0	-2325365	2456	-7128	-1859898	-2045	9644	-461355
p.lo 3	SLE RA 9	0	0	-2325365	2274	-7152	-1861304	-1838	9051	-460271
p.lo 3	SLE RA 10	0	0	-2444718	2770	-7798	-1955438	-2291	10160	-484995
p.lo 3	SLE RA 11	0	0	-2444718	2587	-7822	-1956843	-2085	9567	-483911
p.lo 3	SLE RA 12	0	0	-2459893	2779	-7835	-1968820	-2300	10324	-486721
p.lo 3	SLE RA 13	0	0	-2459893	2596	-7860	-1970225	-2094	9730	-485636
p.lo 3	SLE FR 1	0	0	-1945707	1667	-5314	-1547759	-1408	7350	-394692
p.lo 3	SLE FR 2	0	0	-1945707	1514	-5335	-1548931	-1236	6856	-393789
p.lo 3	SLE FR 3	0	0	-1951777	1670	-5329	-1553112	-1412	7416	-395383
p.lo 3	SLE FR 4	0	0	-2095411	1845	-6080	-1671234	-1501	7699	-420880
p.lo 3	SLE FR 5	0	0	-2101481	2001	-6074	-1675416	-1677	8259	-422473
p.lo 3	SLE FR 6	0	0	-2195213	2218	-6556	-1751598	-1850	8755	-439844
p.lo 3	SLE QP 1	0	0	-1945707	1667	-5314	-1547759	-1408	7350	-394692
p.lo 3	SLE QP 2	0	0	-2095411	1998	-6059	-1670063	-1673	8193	-421783

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
p.lo 3	SLD 1	-53461	-21323	-2087927	-23383	-15985	-1651886	-28265	3503	-429355
p.lo 3	SLD 2	-53461	-21323	-2087927	-23383	-15985	-1651886	-28265	3503	-429355
p.lo 3	SLD 3	-48767	12247	-2100190	-18665	-6088	-1651874	-28671	22275	-443917
p.lo 3	SLD 4	-48767	12247	-2100190	-18665	-6088	-1651874	-28671	22275	-443917
p.lo 3	SLD 5	-23158	-57310	-2074565	-12772	-24047	-1664628	-9035	-21685	-401970
p.lo 3	SLD 6	-23158	-57310	-2074565	-12772	-24047	-1664628	-9035	-21685	-401970
p.lo 3	SLD 7	-7510	54587	-2115445	2954	8942	-1664588	-10388	40888	-450508
p.lo 3	SLD 8	-7510	54587	-2115445	2954	8942	-1664588	-10388	40888	-450508
p.lo 3	SLD 9	7510	-54587	-2075376	1041	-21061	-1675538	7042	-24502	-393058
p.lo 3	SLD 10	7510	-54587	-2075376	1041	-21061	-1675538	7042	-24502	-393058
p.lo 3	SLD 11	23158	57310	-2116256	16768	11929	-1675497	5689	38071	-441596
p.lo 3	SLD 12	23158	57310	-2116256	16768	11929	-1675497	5689	38071	-441596
p.lo 3	SLD 13	48767	-12247	-2090631	22661	-6030	-1688251	25325	-5888	-399650
p.lo 3	SLD 14	48767	-12247	-2090631	22661	-6030	-1688251	25325	-5888	-399650
p.lo 3	SLD 15	53461	21323	-2102895	27379	3866	-1688239	24919	12884	-414211
p.lo 3	SLD 16	53461	21323	-2102895	27379	3866	-1688239	24919	12884	-414211
p.lo 3	SLV 1	-135472	-54253	-2079501	-62855	-31449	-1625470	-68480	-3494	-442475
p.lo 3	SLV 2	-135472	-54253	-2079501	-62855	-31449	-1625470	-68480	-3494	-442475
p.lo 3	SLV 3	-123568	30960	-2105248	-50805	-6155	-1625219	-69605	43876	-474326
p.lo 3	SLV 4	-123568	30960	-2105248	-50805	-6155	-1625219	-69605	43876	-474326
p.lo 3	SLV 5	-58697	-145517	-2051586	-35733	-52039	-1657066	-20010	-67156	-379683
p.lo 3	SLV 6	-58697	-145517	-2051586	-35733	-52039	-1657066	-20010	-67156	-379683
p.lo 3	SLV 7	-19015	138529	-2137413	4432	32275	-1656229	-23758	90741	-485854
p.lo 3	SLV 8	-19015	138529	-2137413	4432	32275	-1656229	-23758	90741	-485854
p.lo 3	SLV 9	19015	-138529	-2053408	-436	-44393	-1683897	20412	-74355	-357712
p.lo 3	SLV 10	19015	-138529	-2053408	-436	-44393	-1683897	20412	-74355	-357712
p.lo 3	SLV 11	58697	145517	-2139235	39728	39920	-1683060	16664	83543	-463884
p.lo 3	SLV 12	58697	145517	-2139235	39728	39920	-1683060	16664	83543	-463884
p.lo 3	SLV 13	123568	-30960	-2085573	54801	-5964	-1714906	66259	-27489	-369240
p.lo 3	SLV 14	123568	-30960	-2085573	54801	-5964	-1714906	66259	-27489	-369240
p.lo 3	SLV 15	135472	54253	-2111321	66850	19330	-1714655	65134	19880	-401091
p.lo 3	SLV 16	135472	54253	-2111321	66850	19330	-1714655	65134	19880	-401091
p.lo 3	CRTFP Ux+	1	0	0	1	0	-1	0	0	1
p.lo 3	CRTFP Ux-	-1	0	0	-1	0	1	0	0	-1
p.lo 3	CRTFP Uy+	0	1	0	0	0	0	0	0	0
p.lo 3	CRTFP Uy-	0	-1	0	0	0	0	0	0	0
p.lo 3	CRTFP Rz+	0	0	0	0	0	0	0	0	0
p.lo 3	CRTFP Rz-	0	0	0	0	0	0	0	0	0
Piano 3	Pesi	0	0	-819842	32	-4190	-612327	-155	5257	-205588
Piano 3	Port.	0	0	-536649	617	-3874	-439534	-803	4227	-95533
Piano 3	Accidentali	0	0	-372632	522	-3646	-304408	-769	3801	-66405
Piano 3	neve	0	0	-30350	81	-239	-27205	-84	466	-3257
Piano 3	ΔT	0	0	0	-109	1103	-1441	143	-1062	1394
Piano 3	SLV X	104291	10624	-20750	53076	12195	-31351	48013	-11438	15255
Piano 3	SLV Y	12074	104783	3464	17924	36895	22492	-7403	47799	-9610
Piano 3	X SLD	41778	4194	-9031	20913	4803	-13162	19610	-4478	5956
Piano 3	Y SLD	4696	41229	1751	7040	14548	8854	-2953	18819	-3418
Piano 3	Rig Ux	1	0	0	1	0	0	0	0	0
Piano 3	Rig Uy	0	1	0	0	0	0	0	0	0
Piano 3	Rig Rz	0	0	0	0	0	0	0	0	0
Piano 3	SLU 1	0	0	-1249162	525	-7289	-963954	-797	8639	-282014
Piano 3	SLU 2	0	0	-1249162	361	-5635	-966115	-583	7045	-279922
Piano 3	SLU 3	0	0	-1271924	422	-5814	-986519	-646	7394	-282365
Piano 3	SLU 4	0	0	-1294687	646	-7647	-1004762	-923	9337	-286899
Piano 3	SLU 5	0	0	-1294687	548	-6655	-1006059	-794	8381	-285644
Piano 3	SLU 6	0	0	-1640425	909	-9463	-1285744	-1390	11037	-349647
Piano 3	SLU 7	0	0	-1663187	970	-9642	-1306148	-1453	11386	-352090
Piano 3	SLU 8	0	0	-1685950	1194	-11475	-1324390	-1730	13328	-356624
Piano 3	SLU 9	0	0	-1685950	1096	-10483	-1325688	-1602	12372	-355369
Piano 3	SLU 10	0	0	-1808109	1308	-12758	-1420566	-1951	14341	-381621
Piano 3	SLU 11	0	0	-1808109	1210	-11765	-1421863	-1822	13385	-380366
Piano 3	SLU 12	0	0	-1830872	1369	-12937	-1440970	-2014	14690	-384064
Piano 3	SLU 13	0	0	-1830872	1270	-11944	-1442267	-1885	13734	-382809
Piano 3	SLU 14	0	0	-1624816	957	-10001	-1271627	-1360	11598	-348887
Piano 3	SLU 15	0	0	-1624816	793	-8347	-1273789	-1145	10004	-346795
Piano 3	SLU 16	0	0	-1647578	853	-8526	-1294193	-1208	10353	-349238
Piano 3	SLU 17	0	0	-1670341	1078	-10359	-1312435	-1485	12296	-353772
Piano 3	SLU 18	0	0	-1670341	979	-9367	-1313732	-1357	11340	-352517
Piano 3	SLU 19	0	0	-2016079	1341	-12175	-1593418	-1953	13996	-416520
Piano 3	SLU 20	0	0	-2038842	1401	-12354	-1613822	-2015	14345	-418963
Piano 3	SLU 21	0	0	-2061604	1626	-14187	-1632064	-2293	16288	-423497
Piano 3	SLU 22	0	0	-2061604	1527	-13195	-1633361	-2164	15331	-422242
Piano 3	SLU 23	0	0	-2183763	1740	-15469	-1728240	-2513	17300	-448494
Piano 3	SLU 24	0	0	-2183763	1641	-14477	-1729537	-2384	16344	-447239
Piano 3	SLU 25	0	0	-2206526	1800	-15648	-1748644	-2576	17649	-450937
Piano 3	SLU 26	0	0	-2206526	1702	-14656	-1749941	-2447	16693	-449682
Piano 3	SLU 27	0	0	-1495114	535	-8546	-1147652	-844	10216	-343690
Piano 3	SLU 28	0	0	-1495114	371	-6892	-1149813	-629	8622	-341598
Piano 3	SLU 29	0	0	-1517877	431	-7071	-1170218	-692	8971	-344041
Piano 3	SLU 30	0	0	-1540639	656	-8904	-1188460	-970	10914	-348575
Piano 3	SLU 31	0	0	-1540639	557	-7912	-1189757	-841	9958	-347320
Piano 3	SLU 32	0	0	-1886378	919	-10720	-1469442	-1437	12614	-411324
Piano 3	SLU 33	0	0	-1909140	979	-10899	-1489846	-1500	12963	-413766
Piano 3	SLU 34	0	0	-1931903	1204	-12732	-1508088	-1777	14905	-418300
Piano 3	SLU 35	0	0	-1931903	1105	-11740	-1509386	-1648	13949	-417046
Piano 3	SLU 36	0	0	-2054062	1318	-14015	-1604264	-1997	15918	-443297
Piano 3	SLU 37	0	0	-2054062	1219	-13022	-1605561	-1869	14962	-442042
Piano 3	SLU 38	0	0	-2076824	1378	-14194	-1624668	-2060	16267	-445740
Piano 3	SLU 39	0	0	-2076824	1280	-13201	-1625965	-1931	15311	-444485
Piano 3	SLU 40	0	0	-1870768	966	-11258	-1455325	-1406	13175	-410563
Piano 3	SLU 41	0	0	-1870768	802	-9604	-1457487	-1192	11581	-408471
Piano 3	SLU 42	0	0	-1893531	863	-9783	-1477891	-1255	11930	-410914
Piano 3	SLU 43	0	0	-1916293	1087	-11616	-1496133	-1532	13873	-415448
Piano 3	SLU 44	0	0	-1916293	989	-10624	-1497430	-1403	12917	-414193
Piano 3	SLU 45	0	0	-2262032	1350	-13432	-1777116	-1999	15573	-478196
Piano 3	SLU 46	0	0	-2284794	1411	-13611	-1797520	-2062	15922	-480639
Piano 3	SLU 47	0	0	-2307557	1635	-15444	-1815762	-2339	17865	-485173
Piano 3	SLU 48	0	0	-2307557	1537	-14452	-1817059	-2210	16908	-483918

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Piano 3	SLU 49	0	0	-2429716	1749	-16726	-1911938	-2559	18877	-510170
Piano 3	SLU 50	0	0	-2429716	1651	-15734	-1913235	-2431	17921	-508915
Piano 3	SLU 51	0	0	-2452479	1810	-16906	-1932342	-2622	19226	-512613
Piano 3	SLU 52	0	0	-2452479	1711	-15913	-1933639	-2494	18270	-511358
Piano 3	SLE RA 1	0	0	-1356491	648	-8064	-1051860	-958	9484	-301120
Piano 3	SLE RA 2	0	0	-1356491	539	-6961	-1053302	-815	8422	-299726
Piano 3	SLE RA 3	0	0	-1371666	579	-7081	-1066904	-857	8654	-301354
Piano 3	SLE RA 4	0	0	-1386841	729	-8303	-1079066	-1042	9950	-304377
Piano 3	SLE RA 5	0	0	-1386841	663	-7641	-1079930	-956	9312	-303541
Piano 3	SLE RA 6	0	0	-1617334	905	-9513	-1266387	-1353	11083	-346209
Piano 3	SLE RA 7	0	0	-1632509	945	-9633	-1279990	-1395	11315	-347838
Piano 3	SLE RA 8	0	0	-1647684	1095	-10855	-1292152	-1580	12611	-350861
Piano 3	SLE RA 9	0	0	-1647684	1029	-10193	-1293016	-1494	11973	-350024
Piano 3	SLE RA 10	0	0	-1729123	1171	-11710	-1356269	-1727	13286	-367525
Piano 3	SLE RA 11	0	0	-1729123	1105	-11048	-1357133	-1641	12648	-366689
Piano 3	SLE RA 12	0	0	-1744298	1211	-11829	-1369871	-1769	13518	-369154
Piano 3	SLE RA 13	0	0	-1744298	1145	-11167	-1370736	-1683	12881	-368317
Piano 3	SLE FR 1	0	0	-1356491	648	-8064	-1051860	-958	9484	-301120
Piano 3	SLE FR 2	0	0	-1356491	594	-7513	-1052581	-887	8953	-300423
Piano 3	SLE FR 3	0	0	-1362561	665	-8112	-1057301	-975	9577	-301772
Piano 3	SLE FR 4	0	0	-1468281	750	-8606	-1143903	-1117	10093	-320345
Piano 3	SLE FR 5	0	0	-1474351	821	-9205	-1148624	-1205	10718	-321693
Piano 3	SLE FR 6	0	0	-1542807	910	-9887	-1204064	-1343	11385	-334323
Piano 3	SLE QP 1	0	0	-1356491	648	-8064	-1051860	-958	9484	-301120
Piano 3	SLE QP 2	0	0	-1468281	805	-9158	-1143183	-1189	10625	-321042
Piano 3	SLD 1	-43187	-16563	-1459776	-22220	-18326	-1132677	-19913	9457	-325972
Piano 3	SLD 2	-43187	-16563	-1459776	-22220	-18326	-1132677	-19913	9457	-325972
Piano 3	SLD 3	-40370	8175	-1458725	-17996	-9597	-1127364	-21685	20748	-328023
Piano 3	SLD 4	-40370	8175	-1458725	-17996	-9597	-1127364	-21685	20748	-328023
Piano 3	SLD 5	-17229	-42487	-1467323	-12509	-25147	-1148088	-4119	-6851	-319410
Piano 3	SLD 6	-17229	-42487	-1467323	-12509	-25147	-1148088	-4119	-6851	-319410
Piano 3	SLD 7	-7838	39970	-1463821	1571	3950	-1130380	-10024	30787	-326247
Piano 3	SLD 8	-7838	39970	-1463821	1571	3950	-1130380	-10024	30787	-326247
Piano 3	SLD 9	7838	-39970	-1472741	39	-22265	-1155986	7647	-9538	-315837
Piano 3	SLD 10	7838	-39970	-1472741	39	-22265	-1155986	7647	-9538	-315837
Piano 3	SLD 11	17229	42487	-1469239	14119	6832	-1138277	1742	28100	-322673
Piano 3	SLD 12	17229	42487	-1469239	14119	6832	-1138277	1742	28100	-322673
Piano 3	SLD 13	40370	-8175	-1477837	19606	-8719	-1159001	19307	501	-314060
Piano 3	SLD 14	40370	-8175	-1477837	19606	-8719	-1159001	19307	501	-314060
Piano 3	SLD 15	43187	16563	-1476786	23830	10	-1153689	17535	11792	-316111
Piano 3	SLD 16	43187	16563	-1476786	23830	10	-1153689	17535	11792	-316111
Piano 3	SLV 1	-107913	-42059	-1448570	-57648	-32421	-1118580	-46981	7722	-333413
Piano 3	SLV 2	-107913	-42059	-1448570	-57648	-32421	-1118580	-46981	7722	-333413
Piano 3	SLV 3	-100669	20810	-1446492	-46893	-10284	-1105084	-51423	36402	-339179
Piano 3	SLV 4	-100669	20810	-1446492	-46893	-10284	-1105084	-51423	36402	-339179
Piano 3	SLV 5	-43361	-107970	-1465520	-33041	-49711	-1156269	-8190	-33743	-316008
Piano 3	SLV 6	-43361	-107970	-1465520	-33041	-49711	-1156269	-8190	-33743	-316008
Piano 3	SLV 7	-19213	101596	-1458592	2806	24079	-1111286	-22996	61855	-335228
Piano 3	SLV 8	-19213	101596	-1458592	2806	24079	-1111286	-22996	61855	-335228
Piano 3	SLV 9	19213	-101596	-1477969	-1196	-42394	-1175080	20618	-40606	-306855
Piano 3	SLV 10	19213	-101596	-1477969	-1196	-42394	-1175080	20618	-40606	-306855
Piano 3	SLV 11	43361	107970	-1471042	34652	31396	-1130096	5812	54992	-326076
Piano 3	SLV 12	43361	107970	-1471042	34652	31396	-1130096	5812	54992	-326076
Piano 3	SLV 13	100669	-20810	-1490070	48504	-8031	-1181281	49045	-15153	-302904
Piano 3	SLV 14	100669	-20810	-1490070	48504	-8031	-1181281	49045	-15153	-302904
Piano 3	SLV 15	107913	42059	-1487991	59258	14106	-1167786	44604	13527	-308670
Piano 3	SLV 16	107913	42059	-1487991	59258	14106	-1167786	44604	13527	-308670
Piano 3	CRTFP Ux+	1	0	0	1	0	0	0	0	0
Piano 3	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
Piano 3	CRTFP Uy+	0	1	0	0	0	0	0	0	0
Piano 3	CRTFP Uy-	0	-1	0	0	0	0	0	0	0
Piano 3	CRTFP Rz+	0	0	0	0	0	0	0	0	0
Piano 3	CRTFP Rz-	0	0	0	0	0	0	0	0	0
p.lo 4	Pesi	0	0	-775755	466	-3502	-585317	-155	5257	-188460
p.lo 4	Port.	0	0	-531495	776	-3555	-434630	-803	4227	-95533
p.lo 4	Accidentali	0	0	-366638	969	-3373	-299180	-769	3801	-66405
p.lo 4	neve	0	0	-30350	83	-158	-26936	-84	466	-3257
p.lo 4	ΔT	0	0	0	-107	164	-1864	143	-1062	1394
p.lo 4	SLV X	108224	3438	15140	52668	4331	-32194	52451	-10974	42672
p.lo 4	SLV Y	18551	106039	-2454	17719	36834	5032	-678	49887	-16472
p.lo 4	X SLD	44251	1270	7736	20790	1701	-13499	22238	-4396	19401
p.lo 4	Y SLD	7748	42209	-577	6983	14518	2059	172	20106	-6164
p.lo 4	Rig Ux	1	0	0	1	0	0	0	0	0
p.lo 4	Rig Uy	0	1	0	0	0	0	0	0	0
p.lo 4	Rig Rz	0	0	0	0	0	0	0	0	0
p.lo 4	SLU 1	0	0	-1200951	1087	-6346	-933021	-797	8639	-264886
p.lo 4	SLU 2	0	0	-1200951	928	-6099	-935816	-583	7045	-262795
p.lo 4	SLU 3	0	0	-1223714	990	-6218	-956018	-646	7394	-265237
p.lo 4	SLU 4	0	0	-1246476	1213	-6583	-973425	-923	9337	-269772
p.lo 4	SLU 5	0	0	-1246476	1117	-6435	-975103	-794	8381	-268517
p.lo 4	SLU 6	0	0	-1585921	1945	-9641	-1249955	-1390	11037	-332520
p.lo 4	SLU 7	0	0	-1608684	2008	-9759	-1270157	-1453	11386	-334963
p.lo 4	SLU 8	0	0	-1631446	2230	-10124	-1287564	-1730	13328	-339497
p.lo 4	SLU 9	0	0	-1631446	2134	-9977	-1289241	-1602	12372	-338242
p.lo 4	SLU 10	0	0	-1750909	2541	-11405	-1381790	-1951	14341	-364493
p.lo 4	SLU 11	0	0	-1750909	2445	-11257	-1383467	-1822	13385	-363239
p.lo 4	SLU 12	0	0	-1773671	2603	-11523	-1401993	-2014	14690	-366936
p.lo 4	SLU 13	0	0	-1773671	2507	-11376	-1403670	-1885	13734	-365681
p.lo 4	SLU 14	0	0	-1572998	1631	-8834	-1237262	-1360	11598	-331759
p.lo 4	SLU 15	0	0	-1572998	1471	-8588	-1240057	-1145	10004	-329668
p.lo 4	SLU 16	0	0	-1595760	1534	-8706	-1260260	-1208	10353	-332110
p.lo 4	SLU 17	0	0	-1618523	1756	-9072	-1277667	-1485	12296	-336644
p.lo 4	SLU 18	0	0	-1618523	1660	-8924	-1279344	-1357	11340	-335390
p.lo 4	SLU 19	0	0	-1957968	2488	-12129	-1554196	-1953	13996	-399393
p.lo 4	SLU 20	0	0	-1980731	2551	-12248	-1574398	-2015	14345	-401835
p.lo 4	SLU 21	0	0	-2003493	2773	-12613	-1591805	-2293	16288	-406369
p.lo 4	SLU 22	0	0	-2003493	2678	-12465	-1593482	-2164	15331	-405115
p.lo 4	SLU 23	0	0	-2122955	3084	-13893	-1686032	-2513	17300	-431366

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
p.lo 4	SLU 24	0	0	-2122955	2988	-13745	-1687709	-2384	16344	-430112
p.lo 4	SLU 25	0	0	-2145718	3147	-14012	-1706234	-2576	17649	-433809
p.lo 4	SLU 26	0	0	-2145718	3051	-13864	-1707911	-2447	16693	-432554
p.lo 4	SLU 27	0	0	-1433678	1227	-7396	-1108616	-844	10216	-321424
p.lo 4	SLU 28	0	0	-1433678	1068	-7150	-1111411	-629	8622	-319333
p.lo 4	SLU 29	0	0	-1456440	1130	-7269	-1131613	-692	8971	-321775
p.lo 4	SLU 30	0	0	-1479203	1352	-7634	-1149020	-970	10914	-326310
p.lo 4	SLU 31	0	0	-1479203	1257	-7486	-1150698	-841	9958	-325055
p.lo 4	SLU 32	0	0	-1818648	2085	-10691	-1425550	-1437	12614	-389058
p.lo 4	SLU 33	0	0	-1841410	2147	-10810	-1445752	-1500	12963	-391501
p.lo 4	SLU 34	0	0	-1864173	2370	-11175	-1463159	-1777	14905	-396035
p.lo 4	SLU 35	0	0	-1864173	2274	-11027	-1464836	-1648	13949	-394780
p.lo 4	SLU 36	0	0	-1983635	2681	-12455	-1557385	-1997	15918	-421031
p.lo 4	SLU 37	0	0	-1983635	2585	-12307	-1559062	-1869	14962	-419777
p.lo 4	SLU 38	0	0	-2006398	2743	-12574	-1577588	-2060	16267	-423474
p.lo 4	SLU 39	0	0	-2006398	2647	-12426	-1579265	-1931	15311	-422219
p.lo 4	SLU 40	0	0	-1805724	1771	-9885	-1412857	-1406	13175	-388297
p.lo 4	SLU 41	0	0	-1805724	1611	-9638	-1415652	-1192	11581	-386206
p.lo 4	SLU 42	0	0	-1828487	1674	-9757	-1435855	-1255	11930	-388648
p.lo 4	SLU 43	0	0	-1851249	1896	-10122	-1453262	-1532	13873	-393182
p.lo 4	SLU 44	0	0	-1851249	1800	-9974	-1454939	-1403	12917	-391928
p.lo 4	SLU 45	0	0	-2190695	2628	-13180	-1729791	-1999	15573	-455931
p.lo 4	SLU 46	0	0	-2213457	2691	-13298	-1749993	-2062	15922	-458373
p.lo 4	SLU 47	0	0	-2236220	2913	-13663	-1767400	-2339	17865	-462908
p.lo 4	SLU 48	0	0	-2236220	2817	-13516	-1769077	-2210	16908	-461653
p.lo 4	SLU 49	0	0	-2355682	3224	-14944	-1861627	-2559	18877	-487904
p.lo 4	SLU 50	0	0	-2355682	3128	-14796	-1863304	-2431	17921	-486650
p.lo 4	SLU 51	0	0	-2378444	3287	-15062	-1881829	-2622	19226	-490347
p.lo 4	SLU 52	0	0	-2378444	3191	-14915	-1883506	-2494	18270	-489092
p.lo 4	SLE RA 1	0	0	-1307250	1243	-7057	-1019947	-958	9484	-283993
p.lo 4	SLE RA 2	0	0	-1307250	1136	-6892	-1021810	-815	8422	-282598
p.lo 4	SLE RA 3	0	0	-1322425	1178	-6972	-1035279	-857	8654	-284227
p.lo 4	SLE RA 4	0	0	-1337600	1326	-7215	-1046883	-1042	9950	-287250
p.lo 4	SLE RA 5	0	0	-1337600	1262	-7116	-1048001	-956	9312	-286413
p.lo 4	SLE RA 6	0	0	-1563897	1814	-9253	-1231236	-1353	11083	-329082
p.lo 4	SLE RA 7	0	0	-1579072	1856	-9332	-1244704	-1395	11315	-330710
p.lo 4	SLE RA 8	0	0	-1594247	2004	-9576	-1256309	-1580	12611	-333733
p.lo 4	SLE RA 9	0	0	-1594247	1940	-9477	-1257427	-1494	11973	-332896
p.lo 4	SLE RA 10	0	0	-1673889	2212	-10429	-1319127	-1727	13286	-350398
p.lo 4	SLE RA 11	0	0	-1673889	2148	-10331	-1320245	-1641	12648	-349561
p.lo 4	SLE RA 12	0	0	-1689064	2253	-10508	-1332595	-1769	13518	-352026
p.lo 4	SLE RA 13	0	0	-1689064	2189	-10410	-1333713	-1683	12881	-351189
p.lo 4	SLE FR 1	0	0	-1307250	1243	-7057	-1019947	-958	9484	-283993
p.lo 4	SLE FR 2	0	0	-1307250	1189	-6975	-1020879	-887	8953	-283296
p.lo 4	SLE FR 3	0	0	-1313320	1259	-7088	-1025334	-975	9577	-284644
p.lo 4	SLE FR 4	0	0	-1417242	1480	-7986	-1110633	-1117	10093	-303217
p.lo 4	SLE FR 5	0	0	-1423312	1550	-8100	-1115088	-1205	10718	-304566
p.lo 4	SLE FR 6	0	0	-1490569	1727	-8743	-1169537	-1343	11385	-317195
p.lo 4	SLE QP 1	0	0	-1307250	1243	-7057	-1019947	-958	9484	-283993
p.lo 4	SLE QP 2	0	0	-1417242	1533	-8068	-1109701	-1189	10625	-303914
p.lo 4	SLD 1	-46575	-13932	-1424804	-21351	-14125	-1096819	-23478	8989	-321466
p.lo 4	SLD 2	-46575	-13932	-1424804	-21351	-14125	-1096819	-23478	8989	-321466
p.lo 4	SLD 3	-41926	11393	-1425150	-17161	-5414	-1095584	-23375	21053	-325164
p.lo 4	SLD 4	-41926	11393	-1425150	-17161	-5414	-1095584	-23375	21053	-325164
p.lo 4	SLD 5	-21023	-42590	-1418986	-11686	-23097	-1107710	-8032	-8163	-303570
p.lo 4	SLD 6	-21023	-42590	-1418986	-11686	-23097	-1107710	-8032	-8163	-303570
p.lo 4	SLD 7	-5527	41828	-1420139	2279	5940	-1103592	-7688	32050	-315899
p.lo 4	SLD 8	-5527	41828	-1420139	2279	5940	-1103592	-7688	32050	-315899
p.lo 4	SLD 9	5527	-41828	-1414344	787	-22076	-1115810	5311	-10801	-291930
p.lo 4	SLD 10	5527	-41828	-1414344	787	-22076	-1115810	5311	-10801	-291930
p.lo 4	SLD 11	21023	42590	-1415498	14753	6960	-1111692	5654	29412	-304258
p.lo 4	SLD 12	21023	42590	-1415498	14753	6960	-1111692	5654	29412	-304258
p.lo 4	SLD 13	41926	-11393	-1409333	20228	-10723	-1123818	20998	197	-282664
p.lo 4	SLD 14	41926	-11393	-1409333	20228	-10723	-1123818	20998	197	-282664
p.lo 4	SLD 15	46575	13932	-1409679	24418	-2012	-1122583	21101	12260	-286363
p.lo 4	SLD 16	46575	13932	-1409679	24418	-2012	-1122583	21101	12260	-286363
p.lo 4	SLV 1	-113790	-35249	-1431646	-56450	-23449	-1079016	-53436	6632	-341645
p.lo 4	SLV 2	-113790	-35249	-1431646	-56450	-23449	-1079016	-53436	6632	-341645
p.lo 4	SLV 3	-102659	28374	-1433118	-45819	-1349	-1075997	-53843	36564	-351528
p.lo 4	SLV 4	-102659	28374	-1433118	-45819	-1349	-1075997	-53843	36564	-351528
p.lo 4	SLV 5	-51018	-107070	-1419330	-31986	-46202	-1105074	-16246	-35970	-300244
p.lo 4	SLV 6	-51018	-107070	-1419330	-31986	-46202	-1105074	-16246	-35970	-300244
p.lo 4	SLV 7	-13917	105007	-1424237	3452	27467	-1095011	-17602	63803	-333187
p.lo 4	SLV 8	-13917	105007	-1424237	3452	27467	-1095011	-17602	63803	-333187
p.lo 4	SLV 9	13917	-105007	-1410246	-385	-43604	-1124391	15225	-42554	-274641
p.lo 4	SLV 10	13917	-105007	-1410246	-385	-43604	-1124391	15225	-42554	-274641
p.lo 4	SLV 11	51018	107070	-1415153	35052	30065	-1114327	13868	57219	-307584
p.lo 4	SLV 12	51018	107070	-1415153	35052	30065	-1114327	13868	57219	-307584
p.lo 4	SLV 13	102659	-28374	-1401365	48886	-14788	-1143404	51466	-15315	-256301
p.lo 4	SLV 14	102659	-28374	-1401365	48886	-14788	-1143404	51466	-15315	-256301
p.lo 4	SLV 15	113790	35249	-1402838	59517	7313	-1140385	51059	14617	-266184
p.lo 4	SLV 16	113790	35249	-1402838	59517	7313	-1140385	51059	14617	-266184
p.lo 4	CRTFP Ux+	1	0	0	1	0	0	0	0	0
p.lo 4	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
p.lo 4	CRTFP Uy+	0	1	0	0	0	0	0	0	0
p.lo 4	CRTFP Uy-	0	-1	0	0	0	0	0	0	0
p.lo 4	CRTFP Rz+	0	0	0	0	0	0	0	0	0
p.lo 4	CRTFP Rz-	0	0	0	0	0	0	0	0	0
Piano 4	Pesi	0	0	-494837	-1002	-2558	-359082	981	3191	-134867
Piano 4	Port.	0	0	-290903	248	-2916	-235910	-304	3331	-54349
Piano 4	Accidentali	0	0	-209680	-277	-2284	-168891	195	2412	-39926
Piano 4	neve	0	0	-30350	-37	-271	-27642	37	405	-2774
Piano 4	ΔT	0	0	0	-378	781	-1010	396	-887	1052
Piano 4	SLV X	80628	-255	2889	40486	10614	-14040	38694	-6431	14870
Piano 4	SLV Y	14077	75430	8036	17831	25796	14383	-4468	40729	-2219
Piano 4	X SLD	34044	-50	1549	16377	4274	-6243	17089	-2563	6976
Piano 4	Y SLD	6136	30846	4159	7248	10413	5687	-1397	16923	98
Piano 4	Rig Ux	1	0	0	1	0	0	0	0	0

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Piano 4	Rig Uy	0	1	0	0	0	0	0	1	0
Piano 4	Rig Rz	0	0	0	0	0	0	0	0	0
Piano 4	SLU 1	0	0	-727560	-804	-4890	-547810	737	5855	-178346
Piano 4	SLU 2	0	0	-727560	-1371	-3718	-549325	1331	4525	-176767
Piano 4	SLU 3	0	0	-750322	-1399	-3921	-570056	1359	4830	-178847
Piano 4	SLU 4	0	0	-773085	-859	-5296	-589272	792	6463	-182506
Piano 4	SLU 5	0	0	-773085	-1200	-4593	-590181	1149	5665	-181559
Piano 4	SLU 6	0	0	-947724	-1662	-6116	-726661	1536	7058	-218689
Piano 4	SLU 7	0	0	-970486	-1690	-6319	-747392	1563	7362	-220769
Piano 4	SLU 8	0	0	-993249	-1150	-7694	-766608	997	8995	-224428
Piano 4	SLU 9	0	0	-993249	-1490	-6991	-767517	1353	8198	-223481
Piano 4	SLU 10	0	0	-1042080	-1219	-8316	-801147	1030	9473	-238234
Piano 4	SLU 11	0	0	-1042080	-1560	-7613	-802056	1386	8675	-237287
Piano 4	SLU 12	0	0	-1064842	-1247	-8519	-821878	1057	9777	-240315
Piano 4	SLU 13	0	0	-1064842	-1587	-7815	-822787	1414	8979	-239368
Piano 4	SLU 14	0	0	-931192	-631	-6931	-712947	524	8187	-216390
Piano 4	SLU 15	0	0	-931192	-1198	-5759	-714462	1118	6857	-214811
Piano 4	SLU 16	0	0	-953954	-1225	-5962	-735193	1146	7161	-216891
Piano 4	SLU 17	0	0	-976717	-686	-7337	-754409	579	8795	-220550
Piano 4	SLU 18	0	0	-976717	-1026	-6634	-755318	936	7997	-219603
Piano 4	SLU 19	0	0	-1151356	-1489	-8157	-891798	1323	9389	-256733
Piano 4	SLU 20	0	0	-1174118	-1516	-8360	-912529	1350	9693	-258813
Piano 4	SLU 21	0	0	-1196881	-977	-9735	-931745	784	11327	-262473
Piano 4	SLU 22	0	0	-1196881	-1317	-9032	-932654	1140	10529	-261525
Piano 4	SLU 23	0	0	-1245712	-1046	-10357	-966284	817	11804	-276278
Piano 4	SLU 24	0	0	-1245712	-1386	-9654	-967193	1173	11006	-275331
Piano 4	SLU 25	0	0	-1268474	-1074	-10560	-987015	844	12108	-278359
Piano 4	SLU 26	0	0	-1268474	-1414	-9857	-987924	1200	11310	-277412
Piano 4	SLU 27	0	0	-876011	-1105	-5658	-655534	1032	6812	-218806
Piano 4	SLU 28	0	0	-876011	-1672	-4485	-657049	1625	5483	-217227
Piano 4	SLU 29	0	0	-898773	-1699	-4688	-677780	1653	5787	-219307
Piano 4	SLU 30	0	0	-921536	-1160	-6063	-696997	1087	7421	-222966
Piano 4	SLU 31	0	0	-921536	-1500	-5360	-697906	1443	6623	-222019
Piano 4	SLU 32	0	0	-1096175	-1963	-6883	-834385	1830	8015	-259149
Piano 4	SLU 33	0	0	-1118937	-1990	-7086	-855116	1858	8319	-261229
Piano 4	SLU 34	0	0	-1141700	-1451	-8461	-874333	1291	9953	-264889
Piano 4	SLU 35	0	0	-1141700	-1791	-7758	-875242	1648	9155	-263941
Piano 4	SLU 36	0	0	-1190531	-1520	-9083	-908871	1324	10430	-278694
Piano 4	SLU 37	0	0	-1190531	-1860	-8380	-909780	1680	9632	-277747
Piano 4	SLU 38	0	0	-1213293	-1548	-9286	-929603	1351	10734	-280775
Piano 4	SLU 39	0	0	-1213293	-1888	-8583	-930512	1708	9936	-279828
Piano 4	SLU 40	0	0	-1079643	-931	-7699	-820671	818	9144	-256850
Piano 4	SLU 41	0	0	-1079643	-1498	-6527	-822186	1412	7814	-255271
Piano 4	SLU 42	0	0	-1102405	-1526	-6729	-842918	1440	8118	-257351
Piano 4	SLU 43	0	0	-1125168	-987	-8104	-862134	874	9752	-261010
Piano 4	SLU 44	0	0	-1125168	-1327	-7401	-863043	1230	8954	-260063
Piano 4	SLU 45	0	0	-1299807	-1789	-8924	-999522	1617	10346	-297193
Piano 4	SLU 46	0	0	-1322569	-1817	-9127	-1020254	1645	10650	-299273
Piano 4	SLU 47	0	0	-1345332	-1277	-10502	-1039470	1078	12284	-302933
Piano 4	SLU 48	0	0	-1345332	-1618	-9799	-1040379	1435	11486	-301985
Piano 4	SLU 49	0	0	-1394163	-1347	-11124	-1074009	1111	12761	-316738
Piano 4	SLU 50	0	0	-1394163	-1687	-10421	-1074918	1467	11963	-315791
Piano 4	SLU 51	0	0	-1416925	-1374	-11327	-1094740	1138	13065	-318819
Piano 4	SLU 52	0	0	-1416925	-1715	-10624	-1095649	1495	12267	-317872
Piano 4	SLE RA 1	0	0	-785740	-754	-5473	-594992	676	6521	-189215
Piano 4	SLE RA 2	0	0	-785740	-1132	-4692	-596002	1072	5635	-188163
Piano 4	SLE RA 3	0	0	-800915	-1151	-4827	-609823	1091	5838	-189550
Piano 4	SLE RA 4	0	0	-816090	-791	-5744	-622633	713	6927	-191989
Piano 4	SLE RA 5	0	0	-816090	-1018	-5275	-623239	951	6395	-191358
Piano 4	SLE RA 6	0	0	-932516	-1326	-6291	-714226	1209	7323	-216111
Piano 4	SLE RA 7	0	0	-947691	-1345	-6426	-728047	1227	7526	-217498
Piano 4	SLE RA 8	0	0	-962866	-985	-7343	-740857	850	8615	-219937
Piano 4	SLE RA 9	0	0	-962866	-1212	-6874	-741463	1087	8083	-219306
Piano 4	SLE RA 10	0	0	-995420	-1031	-7757	-763883	871	8933	-229141
Piano 4	SLE RA 11	0	0	-995420	-1258	-7288	-764489	1109	8401	-228510
Piano 4	SLE RA 12	0	0	-1010595	-1050	-7892	-777704	890	9136	-230528
Piano 4	SLE RA 13	0	0	-1010595	-1277	-7424	-778310	1127	8604	-229897
Piano 4	SLE FR 1	0	0	-785740	-754	-5473	-594992	676	6521	-189215
Piano 4	SLE FR 2	0	0	-785740	-943	-5083	-595497	874	6078	-188689
Piano 4	SLE FR 3	0	0	-791810	-762	-5528	-600520	684	6602	-189770
Piano 4	SLE FR 4	0	0	-848644	-1027	-5768	-646164	933	6802	-200667
Piano 4	SLE FR 5	0	0	-854714	-845	-6213	-651188	742	7326	-201748
Piano 4	SLE FR 6	0	0	-890580	-893	-6615	-679438	774	7727	-209178
Piano 4	SLE QP 1	0	0	-785740	-754	-5473	-594992	676	6521	-189215
Piano 4	SLE QP 2	0	0	-848644	-838	-6159	-645659	735	7245	-201193
Piano 4	SLD 1	-35884	-9204	-851441	-19389	-13556	-641122	-15935	4731	-208199
Piano 4	SLD 2	-35884	-9204	-851441	-19389	-13556	-641122	-15935	4731	-208199
Piano 4	SLD 3	-32203	9304	-848946	-15040	-7308	-637710	-16773	14885	-208140
Piano 4	SLD 4	-32203	9304	-848946	-15040	-7308	-637710	-16773	14885	-208140
Piano 4	SLD 5	-16349	-30832	-853268	-12998	-17854	-649473	-2995	-8910	-203384
Piano 4	SLD 6	-16349	-30832	-853268	-12998	-17854	-649473	-2995	-8910	-203384
Piano 4	SLD 7	-4077	30861	-844950	1497	2973	-638099	-5789	24937	-203188
Piano 4	SLD 8	-4077	30861	-844950	1497	2973	-638099	-5789	24937	-203188
Piano 4	SLD 9	4077	-30861	-852338	-3172	-15290	-653219	7258	-10447	-199199
Piano 4	SLD 10	4077	-30861	-852338	-3172	-15290	-653219	7258	-10447	-199199
Piano 4	SLD 11	16349	30832	-844020	11323	5537	-641845	4464	23399	-199002
Piano 4	SLD 12	16349	30832	-844020	11323	5537	-641845	4464	23399	-199002
Piano 4	SLD 13	32203	-9304	-848343	13365	-5009	-653609	18242	-395	-194246
Piano 4	SLD 14	32203	-9304	-848343	13365	-5009	-653609	18242	-395	-194246
Piano 4	SLD 15	35884	9204	-845847	17714	1239	-650197	17404	9759	-194187
Piano 4	SLD 16	35884	9204	-845847	17714	1239	-650197	17404	9759	-194187
Piano 4	SLV 1	-84851	-22374	-853944	-46672	-24511	-635934	-36619	1458	-215398
Piano 4	SLV 2	-84851	-22374	-853944	-46672	-24511	-635934	-36619	1458	-215398
Piano 4	SLV 3	-76405	22884	-849123	-35974	-9034	-627304	-39299	25895	-216729
Piano 4	SLV 4	-76405	22884	-849123	-35974	-9034	-627304	-39299	25895	-216729
Piano 4	SLV 5	-38265	-75354	-857547	-30814	-35139	-655830	-6406	-31555	-203435
Piano 4	SLV 6	-38265	-75354	-857547	-30814	-35139	-655830	-6406	-31555	-203435
Piano 4	SLV 7	-10111	75507	-841475	4848	16453	-627064	-15341	49903	-207873

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Piano 4	SLV 8	-10111	75507	-841475	4848	16453	-627064	-15341	49903	-207873
Piano 4	SLV 9	10111	-75507	-855814	-6523	-28770	-664254	16811	-35414	-194513
Piano 4	SLV 10	10111	-75507	-855814	-6523	-28770	-664254	16811	-35414	-194513
Piano 4	SLV 11	38265	75354	-839741	29139	22822	-635488	7875	46045	-198951
Piano 4	SLV 12	38265	75354	-839741	29139	22822	-635488	7875	46045	-198951
Piano 4	SLV 13	76405	-22884	-848166	34299	-3283	-664014	40769	-11405	-185657
Piano 4	SLV 14	76405	-22884	-848166	34299	-3283	-664014	40769	-11405	-185657
Piano 4	SLV 15	84851	22374	-843344	44997	12194	-655385	38088	13032	-186989
Piano 4	SLV 16	84851	22374	-843344	44997	12194	-655385	38088	13032	-186989
Piano 4	CRTFP Ux+	1	0	0	1	0	0	0	0	0
Piano 4	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
Piano 4	CRTFP Uy+	0	1	0	0	0	0	0	1	0
Piano 4	CRTFP Uy-	0	-1	0	0	0	0	0	-1	0
Piano 4	CRTFP Rz+	0	0	0	0	0	0	0	0	0
Piano 4	CRTFP Rz-	0	0	0	0	0	0	0	0	0
p.lo 5	Pesi	0	0	-459328	-831	-2093	-340470	981	3191	-117739
p.lo 5	Port.	0	0	-288326	291	-2754	-233189	-304	3331	-54349
p.lo 5	Accidentali	0	0	-206683	-87	-2024	-166141	195	2412	-39926
p.lo 5	neve	0	0	-30350	-35	-240	-27489	37	405	-2774
p.lo 5	ΔT	0	0	0	-382	425	-1280	396	-887	1052
p.lo 5	SLV X	79170	1862	-14013	40393	6873	-18355	37290	-9634	2200
p.lo 5	SLV Y	19091	75985	5199	15501	25462	6286	2857	41839	-5105
p.lo 5	X SLD	33779	446	-6267	16379	2775	-8021	16803	-4180	897
p.lo 5	Y SLD	8193	31653	2747	6192	10262	2507	1706	17943	-1356
p.lo 5	Rig Ux	1	0	0	1	0	0	0	0	0
p.lo 5	Rig Uy	0	1	0	0	0	0	0	1	0
p.lo 5	Rig Rz	0	0	0	0	0	0	0	0	0
p.lo 5	SLU 1	0	0	-689989	-598	-4296	-527021	737	5855	-161218
p.lo 5	SLU 2	0	0	-689989	-1171	-3658	-528941	1331	4525	-159639
p.lo 5	SLU 3	0	0	-712751	-1197	-3838	-549557	1359	4830	-161720
p.lo 5	SLU 4	0	0	-735514	-651	-4656	-568255	792	6463	-165379
p.lo 5	SLU 5	0	0	-735514	-994	-4273	-569406	1149	5665	-164432
p.lo 5	SLU 6	0	0	-907006	-1262	-5784	-703388	1536	7058	-201562
p.lo 5	SLU 7	0	0	-929769	-1288	-5963	-724005	1563	7362	-203642
p.lo 5	SLU 8	0	0	-952531	-742	-6781	-742702	997	8995	-207301
p.lo 5	SLU 9	0	0	-952531	-1085	-6398	-743854	1353	8198	-206354
p.lo 5	SLU 10	0	0	-1000014	-728	-7333	-776232	1030	9473	-221107
p.lo 5	SLU 11	0	0	-1000014	-1072	-6950	-777384	1386	8675	-220160
p.lo 5	SLU 12	0	0	-1022776	-755	-7513	-796849	1057	9777	-223187
p.lo 5	SLU 13	0	0	-1022776	-1098	-7130	-798001	1414	8979	-222240
p.lo 5	SLU 14	0	0	-891817	-394	-6224	-690253	524	8187	-199262
p.lo 5	SLU 15	0	0	-891817	-967	-5586	-692173	1118	6857	-197683
p.lo 5	SLU 16	0	0	-914580	-993	-5766	-712790	1146	7161	-199764
p.lo 5	SLU 17	0	0	-937342	-447	-6584	-731487	579	8795	-203423
p.lo 5	SLU 18	0	0	-937342	-791	-6201	-732639	936	7997	-202476
p.lo 5	SLU 19	0	0	-1108835	-1058	-7712	-866620	1323	9389	-239606
p.lo 5	SLU 20	0	0	-1131597	-1085	-7892	-887237	1350	9693	-241686
p.lo 5	SLU 21	0	0	-1154360	-538	-8709	-905935	784	11327	-245345
p.lo 5	SLU 22	0	0	-1154360	-882	-8326	-907086	1140	10529	-244398
p.lo 5	SLU 23	0	0	-1201842	-525	-9261	-939464	817	11804	-259151
p.lo 5	SLU 24	0	0	-1201842	-868	-8878	-940616	1173	11006	-258204
p.lo 5	SLU 25	0	0	-1224605	-551	-9441	-960081	844	12108	-261231
p.lo 5	SLU 26	0	0	-1224605	-895	-9058	-961233	1200	11310	-260284
p.lo 5	SLU 27	0	0	-827787	-847	-4924	-629162	1032	6812	-196540
p.lo 5	SLU 28	0	0	-827787	-1420	-4286	-631082	1625	5483	-194961
p.lo 5	SLU 29	0	0	-850550	-1446	-4466	-651698	1653	5787	-197042
p.lo 5	SLU 30	0	0	-873312	-900	-5283	-670396	1087	7421	-200701
p.lo 5	SLU 31	0	0	-873312	-1243	-4901	-671547	1443	6623	-199753
p.lo 5	SLU 32	0	0	-1044805	-1511	-6412	-805529	1830	8015	-236883
p.lo 5	SLU 33	0	0	-1067567	-1537	-6591	-826146	1858	8319	-238964
p.lo 5	SLU 34	0	0	-1090330	-991	-7409	-844843	1291	9953	-242623
p.lo 5	SLU 35	0	0	-1090330	-1335	-7026	-845995	1648	9155	-241676
p.lo 5	SLU 36	0	0	-1137812	-978	-7961	-878373	1324	10430	-256429
p.lo 5	SLU 37	0	0	-1137812	-1321	-7578	-879525	1680	9632	-255481
p.lo 5	SLU 38	0	0	-1160575	-1004	-8140	-898990	1351	10734	-258509
p.lo 5	SLU 39	0	0	-1160575	-1347	-7757	-900142	1708	9936	-257562
p.lo 5	SLU 40	0	0	-1029616	-644	-6852	-792394	818	9144	-234584
p.lo 5	SLU 41	0	0	-1029616	-1216	-6214	-794314	1412	7814	-233005
p.lo 5	SLU 42	0	0	-1052378	-1243	-6394	-814931	1440	8118	-235086
p.lo 5	SLU 43	0	0	-1075141	-696	-7212	-833628	874	9752	-238745
p.lo 5	SLU 44	0	0	-1075141	-1040	-6829	-834780	1230	8954	-237797
p.lo 5	SLU 45	0	0	-1246633	-1308	-8340	-968761	1617	10346	-274927
p.lo 5	SLU 46	0	0	-1269396	-1334	-8519	-989378	1645	10650	-277008
p.lo 5	SLU 47	0	0	-1292158	-788	-9337	-1008076	1078	12284	-280667
p.lo 5	SLU 48	0	0	-1292158	-1131	-8954	-1009227	1435	11486	-279720
p.lo 5	SLU 49	0	0	-1339641	-774	-9889	-1041605	1111	12761	-294473
p.lo 5	SLU 50	0	0	-1339641	-1118	-9506	-1042757	1467	11963	-293525
p.lo 5	SLU 51	0	0	-1362403	-800	-10068	-1062222	1138	13065	-296553
p.lo 5	SLU 52	0	0	-1362403	-1144	-9686	-1063374	1495	12267	-295606
p.lo 5	SLE RA 1	0	0	-747654	-540	-4847	-573659	676	6521	-172088
p.lo 5	SLE RA 2	0	0	-747654	-922	-4422	-574939	1072	5635	-171035
p.lo 5	SLE RA 3	0	0	-762829	-939	-4542	-588683	1091	5838	-172422
p.lo 5	SLE RA 4	0	0	-778004	-575	-5087	-601148	713	6927	-174862
p.lo 5	SLE RA 5	0	0	-778004	-804	-4831	-601916	951	6395	-174230
p.lo 5	SLE RA 6	0	0	-892332	-982	-5839	-691237	1209	7323	-198983
p.lo 5	SLE RA 7	0	0	-907507	-1000	-5959	-704982	1227	7526	-200370
p.lo 5	SLE RA 8	0	0	-922682	-636	-6504	-717446	850	8615	-202810
p.lo 5	SLE RA 9	0	0	-922682	-865	-6249	-718214	1087	8083	-202178
p.lo 5	SLE RA 10	0	0	-954337	-627	-6872	-739800	871	8933	-212014
p.lo 5	SLE RA 11	0	0	-954337	-856	-6616	-740567	1109	8401	-211382
p.lo 5	SLE RA 12	0	0	-969512	-644	-6991	-753544	890	9136	-213401
p.lo 5	SLE RA 13	0	0	-969512	-873	-6736	-754312	1127	8604	-212769
p.lo 5	SLE FR 1	0	0	-747654	-540	-4847	-573659	676	6521	-172088
p.lo 5	SLE FR 2	0	0	-747654	-731	-4634	-574299	874	6078	-171562
p.lo 5	SLE FR 3	0	0	-753724	-547	-4895	-579157	684	6602	-172643
p.lo 5	SLE FR 4	0	0	-809659	-757	-5242	-624141	933	6802	-183539
p.lo 5	SLE FR 5	0	0	-815729	-573	-5502	-628999	742	7326	-184620
p.lo 5	SLE FR 6	0	0	-850996	-583	-5859	-656729	774	7727	-192051

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
p.lo 5	SLE QP 1	0	0	-747654	-540	-4847	-573659	676	6521	-172088
p.lo 5	SLE QP 2	0	0	-809659	-566	-5454	-623501	735	7245	-184066
p.lo 5	SLD 1	-36236	-9942	-804216	-18803	-11308	-616232	-16580	6041	-184556
p.lo 5	SLD 2	-36236	-9942	-804216	-18803	-11308	-616232	-16580	6041	-184556
p.lo 5	SLD 3	-31321	9050	-802568	-15087	-5151	-614728	-15557	16807	-185370
p.lo 5	SLD 4	-31321	9050	-802568	-15087	-5151	-614728	-15557	16807	-185370
p.lo 5	SLD 5	-18326	-31787	-810526	-11672	-16549	-623602	-6012	-9444	-182979
p.lo 5	SLD 6	-18326	-31787	-810526	-11672	-16549	-623602	-6012	-9444	-182979
p.lo 5	SLD 7	-1941	31520	-805032	713	3974	-618588	-2601	26442	-185691
p.lo 5	SLD 8	-1941	31520	-805032	713	3974	-618588	-2601	26442	-185691
p.lo 5	SLD 9	1941	-31520	-814286	-1844	-14883	-628415	4070	-11952	-182440
p.lo 5	SLD 10	1941	-31520	-814286	-1844	-14883	-628415	4070	-11952	-182440
p.lo 5	SLD 11	18326	31787	-808792	10540	5640	-623400	7481	23934	-185153
p.lo 5	SLD 12	18326	31787	-808792	10540	5640	-623400	7481	23934	-185153
p.lo 5	SLD 13	31321	-9050	-816750	13955	-5758	-632274	17027	-2318	-182762
p.lo 5	SLD 14	31321	-9050	-816750	13955	-5758	-632274	17027	-2318	-182762
p.lo 5	SLD 15	36236	9942	-815102	17671	399	-630770	18050	8448	-183575
p.lo 5	SLD 16	36236	9942	-815102	17671	399	-630770	18050	8448	-183575
p.lo 5	SLV 1	-84897	-24657	-797205	-45609	-19967	-607032	-37413	4327	-184734
p.lo 5	SLV 2	-84897	-24657	-797205	-45609	-19967	-607032	-37413	4327	-184734
p.lo 5	SLV 3	-73443	20934	-794086	-36308	-4689	-603260	-35698	29430	-187797
p.lo 5	SLV 4	-73443	20934	-794086	-36308	-4689	-603260	-35698	29430	-187797
p.lo 5	SLV 5	-42842	-76543	-810654	-28185	-32979	-624281	-13310	-31704	-179621
p.lo 5	SLV 6	-42842	-76543	-810654	-28185	-32979	-624281	-13310	-31704	-179621
p.lo 5	SLV 7	-4660	75426	-800256	2817	17946	-611709	-7595	51974	-189830
p.lo 5	SLV 8	-4660	75426	-800256	2817	17946	-611709	-7595	51974	-189830
p.lo 5	SLV 9	4660	-75426	-819062	-3949	-28855	-635294	9065	-37484	-178301
p.lo 5	SLV 10	4660	-75426	-819062	-3949	-28855	-635294	9065	-37484	-178301
p.lo 5	SLV 11	42842	76543	-808664	27053	22070	-622722	14779	46193	-188510
p.lo 5	SLV 12	42842	76543	-808664	27053	22070	-622722	14779	46193	-188510
p.lo 5	SLV 13	73443	-20934	-825232	35177	-6220	-643742	37168	-14940	-180334
p.lo 5	SLV 14	73443	-20934	-825232	35177	-6220	-643742	37168	-14940	-180334
p.lo 5	SLV 15	84897	24657	-822113	44477	9058	-639970	38882	10163	-183397
p.lo 5	SLV 16	84897	24657	-822113	44477	9058	-639970	38882	10163	-183397
p.lo 5	CRTFP Ux+	1	0	0	1	0	0	0	0	0
p.lo 5	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
p.lo 5	CRTFP Uy+	0	1	0	0	0	0	0	1	0
p.lo 5	CRTFP Uy-	0	-1	0	0	0	0	0	-1	0
p.lo 5	CRTFP Rz+	0	0	0	0	0	0	0	0	0
p.lo 5	CRTFP Rz-	0	0	0	0	0	0	0	0	0
Piano 5	Pesi	0	0	-254136	146	-1578	-183504	-187	2635	-69972
Piano 5	Port.	0	0	-106821	612	-1633	-86315	-702	2384	-20056
Piano 5	Accidentali	0	0	-121877	863	-1842	-102248	-969	2231	-18901
Piano 5	neve	0	0	-17052	-296	-65	-15592	297	227	-1544
Piano 5	ΔT	0	0	0	-260	493	-455	278	-543	471
Piano 5	SLV X	37491	-7380	5977	27281	-2541	-8267	8936	-710	12309
Piano 5	SLV Y	5994	35433	7114	8715	22489	9554	-3381	4818	1353
Piano 5	X SLD	15782	-3269	3155	11156	-1327	-3594	4109	-257	5957
Piano 5	Y SLD	2434	14350	4060	3635	9440	3855	-1475	1648	1730
Piano 5	Rig Ux	1	0	0	0	0	0	1	0	0
Piano 5	Rig Uy	0	1	0	0	0	0	0	1	0
Piano 5	Rig Rz	0	0	0	0	0	0	0	0	0
Piano 5	SLU 1	0	0	-339592	635	-2885	-252555	-749	4542	-86017
Piano 5	SLU 2	0	0	-339592	245	-2146	-253237	-331	3728	-85310
Piano 5	SLU 3	0	0	-352382	22	-2195	-264931	-108	3898	-86468
Piano 5	SLU 4	0	0	-365171	191	-2983	-275943	-303	4882	-88333
Piano 5	SLU 5	0	0	-365171	-44	-2539	-276352	-53	4394	-87909
Piano 5	SLU 6	0	0	-467563	1151	-4080	-360597	-1349	6071	-105156
Piano 5	SLU 7	0	0	-480353	929	-4129	-372291	-1126	6241	-106314
Piano 5	SLU 8	0	0	-493142	1097	-4917	-383303	-1321	7225	-108179
Piano 5	SLU 9	0	0	-493142	863	-4474	-383712	-1071	6736	-107754
Piano 5	SLU 10	0	0	-522408	1930	-5648	-405927	-2203	7889	-114368
Piano 5	SLU 11	0	0	-522408	1696	-5205	-406336	-1953	7400	-113944
Piano 5	SLU 12	0	0	-535197	1708	-5697	-417621	-1980	8059	-115526
Piano 5	SLU 13	0	0	-535197	1473	-5254	-418030	-1730	7570	-115102
Piano 5	SLU 14	0	0	-414367	1063	-4028	-312976	-1240	6211	-100056
Piano 5	SLU 15	0	0	-414367	673	-3289	-313657	-822	5397	-99349
Piano 5	SLU 16	0	0	-427156	450	-3338	-325351	-600	5567	-100507
Piano 5	SLU 17	0	0	-439946	619	-4126	-336363	-794	6551	-102372
Piano 5	SLU 18	0	0	-439946	384	-3683	-336772	-544	6063	-101948
Piano 5	SLU 19	0	0	-542338	1579	-5223	-421018	-1840	7740	-119195
Piano 5	SLU 20	0	0	-555127	1357	-5272	-432711	-1618	7910	-120353
Piano 5	SLU 21	0	0	-567917	1525	-6060	-443723	-1812	8894	-122218
Piano 5	SLU 22	0	0	-567917	1291	-5617	-444133	-1562	8405	-121793
Piano 5	SLU 23	0	0	-597183	2358	-6791	-466347	-2694	9558	-128407
Piano 5	SLU 24	0	0	-597183	2124	-6348	-466756	-2444	9069	-127983
Piano 5	SLU 25	0	0	-609972	2136	-6840	-478041	-2471	9728	-129565
Piano 5	SLU 26	0	0	-609972	1902	-6397	-478450	-2221	9239	-129141
Piano 5	SLU 27	0	0	-415833	679	-3358	-307606	-805	5333	-107008
Piano 5	SLU 28	0	0	-415833	289	-2619	-308288	-387	4519	-106301
Piano 5	SLU 29	0	0	-428622	66	-2668	-319982	-165	4689	-107460
Piano 5	SLU 30	0	0	-441412	234	-3456	-330994	-359	5673	-109325
Piano 5	SLU 31	0	0	-441412	0	-3013	-331403	-109	5184	-108900
Piano 5	SLU 32	0	0	-543804	1195	-4553	-415648	-1405	6861	-126147
Piano 5	SLU 33	0	0	-556593	973	-4603	-427342	-1183	7031	-127305
Piano 5	SLU 34	0	0	-569383	1141	-5391	-438354	-1377	8015	-129170
Piano 5	SLU 35	0	0	-569383	906	-4947	-438763	-1127	7527	-128746
Piano 5	SLU 36	0	0	-598649	1974	-6121	-460978	-2259	8679	-135359
Piano 5	SLU 37	0	0	-598649	1740	-5678	-461387	-2009	8191	-134935
Piano 5	SLU 38	0	0	-611438	1752	-6170	-472672	-2036	8849	-136517
Piano 5	SLU 39	0	0	-611438	1517	-5727	-473081	-1786	8361	-136093
Piano 5	SLU 40	0	0	-490608	1107	-4501	-368027	-1296	7002	-121047
Piano 5	SLU 41	0	0	-490608	717	-3762	-368709	-879	6188	-120341
Piano 5	SLU 42	0	0	-503397	494	-3811	-380402	-656	6358	-121499
Piano 5	SLU 43	0	0	-516186	662	-4599	-391414	-851	7342	-123364
Piano 5	SLU 44	0	0	-516186	428	-4156	-391823	-600	6853	-122939
Piano 5	SLU 45	0	0	-618579	1623	-5697	-476069	-1897	8530	-140186
Piano 5	SLU 46	0	0	-631368	1401	-5746	-487762	-1674	8700	-141344

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Piano 5	SLU 47	0	0	-644157	1569	-6534	-498774	-1869	9684	-143209
Piano 5	SLU 48	0	0	-644157	1335	-6090	-499184	-1618	9196	-142785
Piano 5	SLU 49	0	0	-673423	2402	-7265	-521398	-2750	10348	-149398
Piano 5	SLU 50	0	0	-673423	2168	-6821	-521807	-2500	9860	-148974
Piano 5	SLU 51	0	0	-686213	2180	-7314	-533092	-2528	10518	-150556
Piano 5	SLU 52	0	0	-686213	1945	-6870	-533501	-2277	10030	-150132
Piano 5	SLE RA 1	0	0	-360957	758	-3211	-269818	-889	5019	-90028
Piano 5	SLE RA 2	0	0	-360957	497	-2719	-270273	-611	4476	-89557
Piano 5	SLE RA 3	0	0	-369483	349	-2751	-278069	-462	4590	-90329
Piano 5	SLE RA 4	0	0	-378009	461	-3277	-285410	-592	5246	-91572
Piano 5	SLE RA 5	0	0	-378009	305	-2981	-285683	-425	4920	-91289
Piano 5	SLE RA 6	0	0	-446270	1101	-4008	-341846	-1289	6038	-102787
Piano 5	SLE RA 7	0	0	-454797	953	-4041	-349642	-1141	6151	-103559
Piano 5	SLE RA 8	0	0	-463323	1065	-4566	-356983	-1271	6807	-104802
Piano 5	SLE RA 9	0	0	-463323	909	-4271	-357256	-1104	6482	-104520
Piano 5	SLE RA 10	0	0	-482834	1621	-5053	-372066	-1859	7250	-108929
Piano 5	SLE RA 11	0	0	-482834	1465	-4758	-372339	-1692	6924	-108646
Piano 5	SLE RA 12	0	0	-491360	1473	-5086	-379862	-1710	7363	-109701
Piano 5	SLE RA 13	0	0	-491360	1316	-4791	-380135	-1543	7038	-109418
Piano 5	SLE FR 1	0	0	-360957	758	-3211	-269818	-889	5019	-90028
Piano 5	SLE FR 2	0	0	-360957	627	-2965	-270046	-750	4748	-89792
Piano 5	SLE FR 3	0	0	-364367	698	-3224	-272937	-830	5065	-90337
Piano 5	SLE FR 4	0	0	-397520	886	-3518	-300720	-1041	5417	-95462
Piano 5	SLE FR 5	0	0	-400930	957	-3777	-303611	-1121	5734	-96007
Piano 5	SLE FR 6	0	0	-421895	1189	-4132	-320942	-1374	6135	-99478
Piano 5	SLE QP 1	0	0	-360957	758	-3211	-269818	-889	5019	-90028
Piano 5	SLE QP 2	0	0	-397520	1017	-3764	-300493	-1180	5689	-95698
Piano 5	SLD 1	-16512	-1035	-401893	-11230	-5269	-298055	-4846	5451	-102174
Piano 5	SLD 2	-16512	-1035	-401893	-11230	-5269	-298055	-4846	5451	-102174
Piano 5	SLD 3	-15052	7574	-399457	-9049	395	-295742	-5731	6440	-101136
Piano 5	SLD 4	-15052	7574	-399457	-9049	395	-295742	-5731	6440	-101136
Piano 5	SLD 5	-7169	-13369	-402526	-5965	-12806	-303269	-937	4117	-99215
Piano 5	SLD 6	-7169	-13369	-402526	-5965	-12806	-303269	-937	4117	-99215
Piano 5	SLD 7	-2301	15331	-394406	1304	6074	-295560	-3888	7414	-95755
Piano 5	SLD 8	-2301	15331	-394406	1304	6074	-295560	-3888	7414	-95755
Piano 5	SLD 9	2301	-15331	-400633	729	-13602	-305425	1528	3963	-95641
Piano 5	SLD 10	2301	-15331	-400633	729	-13602	-305425	1528	3963	-95641
Piano 5	SLD 11	7169	13369	-392513	7998	5278	-297716	-1423	7260	-92181
Piano 5	SLD 12	7169	13369	-392513	7998	5278	-297716	-1423	7260	-92181
Piano 5	SLD 13	15052	-7574	-395582	11083	-7922	-305243	3371	4937	-90260
Piano 5	SLD 14	15052	-7574	-395582	11083	-7922	-305243	3371	4937	-90260
Piano 5	SLD 15	16512	1035	-393146	13263	-2259	-302930	2486	5926	-89222
Piano 5	SLD 16	16512	1035	-393146	13263	-2259	-302930	2486	5926	-89222
Piano 5	SLV 1	-39289	-3250	-405631	-28879	-7970	-295092	-9101	4953	-108413
Piano 5	SLV 2	-39289	-3250	-405631	-28879	-7970	-295092	-9101	4953	-108413
Piano 5	SLV 3	-35693	18010	-401363	-23650	5524	-289360	-11130	7844	-107602
Piano 5	SLV 4	-35693	18010	-401363	-23650	5524	-289360	-11130	7844	-107602
Piano 5	SLV 5	-17241	-33219	-406427	-15883	-25491	-307566	-480	1084	-100743
Piano 5	SLV 6	-17241	-33219	-406427	-15883	-25491	-307566	-480	1084	-100743
Piano 5	SLV 7	-5253	37647	-392199	1548	19488	-288459	-7242	10720	-98038
Piano 5	SLV 8	-5253	37647	-392199	1548	19488	-288459	-7242	10720	-98038
Piano 5	SLV 9	5253	-37647	-402841	485	-27015	-312526	4882	658	-93358
Piano 5	SLV 10	5253	-37647	-402841	485	-27015	-312526	4882	658	-93358
Piano 5	SLV 11	17241	33219	-388613	17916	17963	-293419	-1880	10294	-90653
Piano 5	SLV 12	17241	33219	-388613	17916	17963	-293419	-1880	10294	-90653
Piano 5	SLV 13	35693	-18010	-393677	25683	-13052	-311626	8770	3533	-83795
Piano 5	SLV 14	35693	-18010	-393677	25683	-13052	-311626	8770	3533	-83795
Piano 5	SLV 15	39289	3250	-389408	30912	442	-305893	6742	6424	-82983
Piano 5	SLV 16	39289	3250	-389408	30912	442	-305893	6742	6424	-82983
Piano 5	CRTFP Ux+	1	0	0	0	0	0	1	0	0
Piano 5	CRTFP Ux-	-1	0	0	0	0	0	-1	0	0
Piano 5	CRTFP Uy+	0	1	0	0	0	0	0	1	0
Piano 5	CRTFP Uy-	0	-1	0	0	0	0	0	-1	0
Piano 5	CRTFP Rz+	0	0	0	0	0	0	0	0	0
Piano 5	CRTFP Rz-	0	0	0	0	0	0	0	0	0
p.lo 6	Pesi	0	0	-227926	303	-1525	-169525	-187	2635	-57340
p.lo 6	Port.	0	0	-104244	696	-1948	-83571	-702	2384	-20056
p.lo 6	Accidentali	0	0	-118880	1032	-1922	-99428	-969	2231	-18901
p.lo 6	neve	0	0	-17052	-301	-45	-15421	297	227	-1544
p.lo 6	ΔT	0	0	0	-262	142	-671	278	-543	471
p.lo 6	SLV X	18587	-3931	-542	26568	-5885	-8381	-9204	-2134	5941
p.lo 6	SLV Y	677	35533	6321	9096	22213	1524	-9086	5615	1215
p.lo 6	X SLD	6355	-1965	107	10840	-2696	-3594	-4988	-927	2933
p.lo 6	Y SLD	-1	14643	3074	3877	9332	538	-4164	2218	1100
p.lo 6	Rig Ux	1	0	0	0	0	0	1	0	0
p.lo 6	Rig Uy	0	1	0	0	0	0	0	1	0
p.lo 6	Rig Rz	0	0	0	0	0	0	0	0	0
p.lo 6	SLU 1	0	0	-311322	860	-3083	-236381	-749	4542	-73384
p.lo 6	SLU 2	0	0	-311322	467	-2871	-237388	-331	3728	-72677
p.lo 6	SLU 3	0	0	-324111	241	-2905	-248954	-108	3898	-73835
p.lo 6	SLU 4	0	0	-336900	409	-3151	-259512	-303	4882	-75700
p.lo 6	SLU 5	0	0	-336900	173	-3023	-260116	-53	4394	-75276
p.lo 6	SLU 6	0	0	-436146	1551	-4889	-341788	-1349	6071	-92523
p.lo 6	SLU 7	0	0	-448935	1325	-4923	-353353	-1126	6241	-93681
p.lo 6	SLU 8	0	0	-461725	1493	-5169	-363911	-1321	7225	-95546
p.lo 6	SLU 9	0	0	-461725	1257	-5041	-364516	-1071	6736	-95122
p.lo 6	SLU 10	0	0	-489642	2409	-5966	-385523	-2203	7889	-101735
p.lo 6	SLU 11	0	0	-489642	2173	-5839	-386127	-1953	7400	-101311
p.lo 6	SLU 12	0	0	-502431	2183	-6000	-397089	-1980	8059	-102893
p.lo 6	SLU 13	0	0	-502431	1947	-5873	-397693	-1730	7570	-102469
p.lo 6	SLU 14	0	0	-384293	1348	-4446	-294881	-1240	6211	-87423
p.lo 6	SLU 15	0	0	-384293	954	-4234	-295888	-822	5397	-86716
p.lo 6	SLU 16	0	0	-397082	729	-4268	-307453	-600	5567	-87874
p.lo 6	SLU 17	0	0	-409871	896	-4514	-318012	-794	6551	-89739
p.lo 6	SLU 18	0	0	-409871	660	-4387	-318616	-544	6063	-89315
p.lo 6	SLU 19	0	0	-509117	2038	-6252	-400287	-1840	7740	-106562
p.lo 6	SLU 20	0	0	-521906	1813	-6286	-411853	-1618	7910	-107720
p.lo 6	SLU 21	0	0	-534695	1980	-6532	-422411	-1812	8894	-109585

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
p.lo 6	SLU 22	0	0	-534695	1744	-6405	-423015	-1562	8405	-109161
p.lo 6	SLU 23	0	0	-562613	2896	-7329	-444023	-2694	9558	-115774
p.lo 6	SLU 24	0	0	-562613	2660	-7202	-444627	-2444	9069	-115350
p.lo 6	SLU 25	0	0	-575402	2671	-7363	-455588	-2471	9728	-116932
p.lo 6	SLU 26	0	0	-575402	2435	-7236	-456192	-2221	9239	-116508
p.lo 6	SLU 27	0	0	-379700	951	-3540	-287239	-805	5333	-90586
p.lo 6	SLU 28	0	0	-379700	558	-3328	-288246	-387	4519	-89879
p.lo 6	SLU 29	0	0	-392489	332	-3362	-299811	-165	4689	-91037
p.lo 6	SLU 30	0	0	-405278	500	-3608	-310370	-359	5673	-92902
p.lo 6	SLU 31	0	0	-405278	264	-3481	-310974	-109	5184	-92478
p.lo 6	SLU 32	0	0	-504524	1642	-5346	-392645	-1405	6861	-109725
p.lo 6	SLU 33	0	0	-517313	1416	-5380	-404210	-1183	7031	-110883
p.lo 6	SLU 34	0	0	-530102	1584	-5626	-414769	-1377	8015	-112748
p.lo 6	SLU 35	0	0	-530102	1348	-5499	-415373	-1127	7527	-112324
p.lo 6	SLU 36	0	0	-558020	2500	-6424	-436380	-2259	8679	-118937
p.lo 6	SLU 37	0	0	-558020	2264	-6296	-436985	-2009	8191	-118513
p.lo 6	SLU 38	0	0	-570809	2274	-6457	-447946	-2036	8849	-120095
p.lo 6	SLU 39	0	0	-570809	2038	-6330	-448550	-1786	8361	-119671
p.lo 6	SLU 40	0	0	-452670	1439	-4904	-345738	-1296	7002	-104625
p.lo 6	SLU 41	0	0	-452670	1045	-4692	-346745	-879	6188	-103918
p.lo 6	SLU 42	0	0	-465460	819	-4725	-358311	-656	6358	-105076
p.lo 6	SLU 43	0	0	-478249	987	-4972	-368869	-851	7342	-106941
p.lo 6	SLU 44	0	0	-478249	751	-4844	-369474	-600	6853	-106517
p.lo 6	SLU 45	0	0	-577495	2129	-6710	-451145	-1897	8530	-123764
p.lo 6	SLU 46	0	0	-590284	1904	-6744	-462710	-1674	8700	-124922
p.lo 6	SLU 47	0	0	-603073	2071	-6990	-473268	-1869	9684	-126787
p.lo 6	SLU 48	0	0	-603073	1835	-6862	-473873	-1618	9196	-126363
p.lo 6	SLU 49	0	0	-630991	2987	-7787	-494880	-2750	10348	-132976
p.lo 6	SLU 50	0	0	-630991	2751	-7660	-495484	-2500	9860	-132552
p.lo 6	SLU 51	0	0	-643780	2762	-7821	-506446	-2528	10518	-134134
p.lo 6	SLU 52	0	0	-643780	2526	-7693	-507050	-2277	10030	-133710
p.lo 6	SLE RA 1	0	0	-332171	1000	-3473	-253096	-889	5019	-77395
p.lo 6	SLE RA 2	0	0	-332171	737	-3331	-253767	-611	4476	-76924
p.lo 6	SLE RA 3	0	0	-340697	587	-3354	-261477	-462	4590	-77696
p.lo 6	SLE RA 4	0	0	-349223	699	-3518	-268516	-592	5246	-78940
p.lo 6	SLE RA 5	0	0	-349223	541	-3433	-268919	-425	4920	-78657
p.lo 6	SLE RA 6	0	0	-415387	1460	-4676	-323366	-1289	6038	-90155
p.lo 6	SLE RA 7	0	0	-423913	1309	-4699	-331077	-1141	6151	-90927
p.lo 6	SLE RA 8	0	0	-432439	1421	-4863	-338116	-1271	6807	-92170
p.lo 6	SLE RA 9	0	0	-432439	1264	-4778	-338518	-1104	6482	-91887
p.lo 6	SLE RA 10	0	0	-451051	2032	-5395	-352523	-1859	7250	-96296
p.lo 6	SLE RA 11	0	0	-451051	1875	-5310	-352926	-1692	6924	-96013
p.lo 6	SLE RA 12	0	0	-459577	1881	-5417	-360234	-1710	7363	-97068
p.lo 6	SLE RA 13	0	0	-459577	1724	-5332	-360636	-1543	7038	-96785
p.lo 6	SLE FR 1	0	0	-332171	1000	-3473	-253096	-889	5019	-77395
p.lo 6	SLE FR 2	0	0	-332171	868	-3402	-253431	-750	4748	-77160
p.lo 6	SLE FR 3	0	0	-335581	939	-3482	-256180	-830	5065	-77704
p.lo 6	SLE FR 4	0	0	-367835	1178	-3978	-283260	-1041	5417	-82830
p.lo 6	SLE FR 5	0	0	-371245	1249	-4058	-286008	-1121	5734	-83374
p.lo 6	SLE FR 6	0	0	-391611	1516	-4434	-302809	-1374	6135	-86846
p.lo 6	SLE QP 1	0	0	-332171	1000	-3473	-253096	-889	5019	-77395
p.lo 6	SLE QP 2	0	0	-367835	1309	-4049	-282924	-1180	5689	-83066
p.lo 6	SLD 1	-6355	-2428	-368864	-10694	-4153	-279492	5057	5950	-86329
p.lo 6	SLD 2	-6355	-2428	-368864	-10694	-4153	-279492	5057	5950	-86329
p.lo 6	SLD 3	-6355	6358	-367019	-8368	1446	-279169	2559	7281	-85669
p.lo 6	SLD 4	-6355	6358	-367019	-8368	1446	-279169	2559	7281	-85669
p.lo 6	SLD 5	-1905	-14053	-370941	-5819	-12573	-282384	4480	3749	-85046
p.lo 6	SLD 6	-1905	-14053	-370941	-5819	-12573	-282384	4480	3749	-85046
p.lo 6	SLD 7	-1908	15232	-364793	1934	6092	-281308	-3847	8184	-82845
p.lo 6	SLD 8	-1908	15232	-364793	1934	6092	-281308	-3847	8184	-82845
p.lo 6	SLD 9	1908	-15232	-370877	685	-14190	-284540	1487	3193	-83286
p.lo 6	SLD 10	1908	-15232	-370877	685	-14190	-284540	1487	3193	-83286
p.lo 6	SLD 11	1905	14053	-364728	8438	4474	-283464	-6840	7628	-81085
p.lo 6	SLD 12	1905	14053	-364728	8438	4474	-283464	-6840	7628	-81085
p.lo 6	SLD 13	6355	-6358	-368650	10986	-9545	-286679	-4919	4096	-80462
p.lo 6	SLD 14	6355	-6358	-368650	10986	-9545	-286679	-4919	4096	-80462
p.lo 6	SLD 15	6355	2428	-366805	13312	-3945	-286356	-7417	5427	-79802
p.lo 6	SLD 16	6355	2428	-366805	13312	-3945	-286356	-7417	5427	-79802
p.lo 6	SLV 1	-18790	-6729	-369189	-27987	-4828	-275000	10750	6138	-89371
p.lo 6	SLV 2	-18790	-6729	-369189	-27987	-4828	-275000	10750	6138	-89371
p.lo 6	SLV 3	-18384	14591	-365396	-22529	8500	-274085	5298	9507	-88642
p.lo 6	SLV 4	-18384	14591	-365396	-22529	8500	-274085	5298	9507	-88642
p.lo 6	SLV 5	-6253	-34354	-373993	-15757	-24497	-281934	10667	714	-86063
p.lo 6	SLV 6	-6253	-34354	-373993	-15757	-24497	-281934	10667	714	-86063
p.lo 6	SLV 7	-4899	36713	-361351	2435	19929	-278885	-7505	11944	-83633
p.lo 6	SLV 8	-4899	36713	-361351	2435	19929	-278885	-7505	11944	-83633
p.lo 6	SLV 9	4899	-36713	-374318	183	-28028	-286963	5145	-566	-82498
p.lo 6	SLV 10	4899	-36713	-374318	183	-28028	-286963	5145	-566	-82498
p.lo 6	SLV 11	6253	34354	-361676	18376	16398	-283914	-13027	10663	-80068
p.lo 6	SLV 12	6253	34354	-361676	18376	16398	-283914	-13027	10663	-80068
p.lo 6	SLV 13	18384	-14591	-370273	25148	-16598	-291762	-7658	1870	-77489
p.lo 6	SLV 14	18384	-14591	-370273	25148	-16598	-291762	-7658	1870	-77489
p.lo 6	SLV 15	18790	6729	-366480	30606	-3270	-290848	-13110	5239	-76760
p.lo 6	SLV 16	18790	6729	-366480	30606	-3270	-290848	-13110	5239	-76760
p.lo 6	CRTFP Ux+	1	0	0	0	0	0	1	0	0
p.lo 6	CRTFP Ux-	-1	0	0	0	0	0	-1	0	0
p.lo 6	CRTFP Uy+	0	1	0	0	0	0	0	1	0
p.lo 6	CRTFP Uy-	0	-1	0	0	0	0	0	-1	0
p.lo 6	CRTFP Rz+	0	0	0	0	0	0	0	0	0
p.lo 6	CRTFP Rz-	0	0	0	0	0	0	0	0	0
Piano 6	Pesi	0	0	-80356	-387	-512	-58196	387	512	-22160
Piano 6	Port.	0	0	-28853	-261	-573	-26735	261	573	-2117
Piano 6	Accidentali	0	0	-18798	-110	-360	-17349	110	360	-1449
Piano 6	neve	0	0	-17052	-96	-162	-16136	96	162	-917
Piano 6	ΔT	0	0	0	12	121	40	-12	-121	-40
Piano 6	SLV X	8535	-3183	-2810	15459	805	2362	-6924	-3988	-5173
Piano 6	SLV Y	2535	16639	4558	6479	16531	1936	-3944	108	2622
Piano 6	X SLD	3406	-1657	-1084	6769	126	990	-3363	-1782	-2074

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Piano 6	Y SLD	1006	7471	2064	2923	7394	663	-1917	77	1401
Piano 6	Rig Ux	1	0	0	1	0	0	0	0	0
Piano 6	Rig Uy	0	1	0	0	1	0	0	0	0
Piano 6	Rig Rz	0	0	0	0	0	0	0	0	0
Piano 6	SLU 1	0	0	-103438	-596	-970	-79585	596	970	-23854
Piano 6	SLU 2	0	0	-103438	-578	-788	-79525	578	788	-23913
Piano 6	SLU 3	0	0	-116228	-650	-910	-91627	650	910	-24601
Piano 6	SLU 4	0	0	-129017	-740	-1213	-103789	740	1213	-25228
Piano 6	SLU 5	0	0	-129017	-729	-1104	-103753	729	1104	-25264
Piano 6	SLU 6	0	0	-123176	-693	-1167	-97741	693	1167	-25435
Piano 6	SLU 7	0	0	-135965	-765	-1288	-109843	765	1288	-26122
Piano 6	SLU 8	0	0	-148755	-855	-1591	-122005	855	1591	-26750
Piano 6	SLU 9	0	0	-148755	-844	-1483	-121969	844	1483	-26786
Piano 6	SLU 10	0	0	-131635	-760	-1510	-105608	760	1510	-26027
Piano 6	SLU 11	0	0	-131635	-750	-1401	-105572	750	1401	-26063
Piano 6	SLU 12	0	0	-144424	-832	-1632	-117710	832	1632	-26715
Piano 6	SLU 13	0	0	-144424	-822	-1523	-117674	822	1523	-26750
Piano 6	SLU 14	0	0	-123635	-779	-1371	-98300	779	1371	-25336
Piano 6	SLU 15	0	0	-123635	-761	-1189	-98240	761	1189	-25395
Piano 6	SLU 16	0	0	-136425	-833	-1311	-110342	833	1311	-26083
Piano 6	SLU 17	0	0	-149214	-923	-1614	-122503	923	1614	-26711
Piano 6	SLU 18	0	0	-149214	-912	-1505	-122468	912	1505	-26746
Piano 6	SLU 19	0	0	-143373	-876	-1567	-116456	876	1567	-26917
Piano 6	SLU 20	0	0	-156162	-948	-1689	-128558	948	1689	-27604
Piano 6	SLU 21	0	0	-168952	-1038	-1992	-140719	1038	1992	-28232
Piano 6	SLU 22	0	0	-168952	-1027	-1883	-140684	1027	1883	-28268
Piano 6	SLU 23	0	0	-151832	-943	-1911	-124323	943	1911	-27509
Piano 6	SLU 24	0	0	-151832	-932	-1802	-124287	932	1802	-27545
Piano 6	SLU 25	0	0	-164621	-1015	-2033	-136424	1015	2033	-28197
Piano 6	SLU 26	0	0	-164621	-1004	-1924	-136389	1004	1924	-28232
Piano 6	SLU 27	0	0	-127545	-712	-1123	-97044	712	1123	-30502
Piano 6	SLU 28	0	0	-127545	-694	-942	-96984	694	942	-30561
Piano 6	SLU 29	0	0	-140335	-766	-1064	-109086	766	1064	-31249
Piano 6	SLU 30	0	0	-153124	-856	-1367	-121248	856	1367	-31876
Piano 6	SLU 31	0	0	-153124	-845	-1258	-121212	845	1258	-31912
Piano 6	SLU 32	0	0	-147283	-809	-1320	-115200	809	1320	-32083
Piano 6	SLU 33	0	0	-160072	-881	-1442	-127302	881	1442	-32770
Piano 6	SLU 34	0	0	-172861	-971	-1745	-139464	971	1745	-33398
Piano 6	SLU 35	0	0	-172861	-960	-1636	-139428	960	1636	-33434
Piano 6	SLU 36	0	0	-155742	-876	-1664	-123067	876	1664	-32675
Piano 6	SLU 37	0	0	-155742	-866	-1555	-123031	866	1555	-32711
Piano 6	SLU 38	0	0	-168531	-948	-1785	-135168	948	1785	-33363
Piano 6	SLU 39	0	0	-168531	-938	-1676	-135133	938	1676	-33398
Piano 6	SLU 40	0	0	-147742	-895	-1524	-115759	895	1524	-31984
Piano 6	SLU 41	0	0	-147742	-877	-1343	-115699	877	1343	-32043
Piano 6	SLU 42	0	0	-160532	-949	-1465	-127801	949	1465	-32731
Piano 6	SLU 43	0	0	-173321	-1039	-1768	-139962	1039	1768	-33359
Piano 6	SLU 44	0	0	-173321	-1028	-1659	-139927	1028	1659	-33394
Piano 6	SLU 45	0	0	-167480	-992	-1721	-133915	992	1721	-33565
Piano 6	SLU 46	0	0	-180269	-1064	-1843	-146017	1064	1843	-34252
Piano 6	SLU 47	0	0	-193058	-1154	-2146	-158178	1154	2146	-34880
Piano 6	SLU 48	0	0	-193058	-1143	-2037	-158143	1143	2037	-34916
Piano 6	SLU 49	0	0	-175939	-1059	-2064	-141781	1059	2064	-34157
Piano 6	SLU 50	0	0	-175939	-1048	-1956	-141746	1048	1956	-34193
Piano 6	SLU 51	0	0	-188728	-1131	-2186	-153883	1131	2186	-34845
Piano 6	SLU 52	0	0	-188728	-1120	-2077	-153848	1120	2077	-34880
Piano 6	SLE RA 1	0	0	-109209	-648	-1084	-84932	648	1084	-24277
Piano 6	SLE RA 2	0	0	-109209	-636	-963	-84892	636	963	-24317
Piano 6	SLE RA 3	0	0	-117735	-684	-1045	-92960	684	1045	-24775
Piano 6	SLE RA 4	0	0	-126261	-744	-1247	-101068	744	1247	-25194
Piano 6	SLE RA 5	0	0	-126261	-737	-1174	-101044	737	1174	-25218
Piano 6	SLE RA 6	0	0	-122367	-713	-1216	-97036	713	1216	-25331
Piano 6	SLE RA 7	0	0	-130894	-761	-1297	-105104	761	1297	-25789
Piano 6	SLE RA 8	0	0	-139420	-821	-1499	-113212	821	1499	-26208
Piano 6	SLE RA 9	0	0	-139420	-814	-1426	-113188	814	1426	-26232
Piano 6	SLE RA 10	0	0	-128007	-758	-1444	-102280	758	1444	-25726
Piano 6	SLE RA 11	0	0	-128007	-751	-1372	-102257	751	1372	-25750
Piano 6	SLE RA 12	0	0	-136533	-806	-1526	-110348	806	1526	-26184
Piano 6	SLE RA 13	0	0	-136533	-799	-1453	-110325	799	1453	-26208
Piano 6	SLE FR 1	0	0	-109209	-648	-1084	-84932	648	1084	-24277
Piano 6	SLE FR 2	0	0	-109209	-642	-1024	-84912	642	1024	-24297
Piano 6	SLE FR 3	0	0	-112620	-667	-1117	-88159	667	1117	-24460
Piano 6	SLE FR 4	0	0	-114848	-675	-1132	-90117	675	1132	-24732
Piano 6	SLE FR 5	0	0	-118259	-700	-1225	-93364	700	1225	-24895
Piano 6	SLE FR 6	0	0	-118608	-703	-1264	-93606	703	1264	-25002
Piano 6	SLE QP 1	0	0	-109209	-648	-1084	-84932	648	1084	-24277
Piano 6	SLE QP 2	0	0	-114848	-681	-1192	-90137	681	1192	-24712
Piano 6	SLD 1	-3708	-585	-114383	-8327	-3536	-91325	4619	2952	-23058
Piano 6	SLD 2	-3708	-585	-114383	-8327	-3536	-91325	4619	2952	-23058
Piano 6	SLD 3	-3104	3898	-113145	-6573	900	-90927	3469	2998	-22218
Piano 6	SLD 4	-3104	3898	-113145	-6573	900	-90927	3469	2998	-22218
Piano 6	SLD 5	-2028	-6974	-116587	-5635	-8624	-91096	3607	1650	-25491
Piano 6	SLD 6	-2028	-6974	-116587	-5635	-8624	-91096	3607	1650	-25491
Piano 6	SLD 7	-16	7968	-112460	211	6164	-89771	-227	1804	-22689
Piano 6	SLD 8	-16	7968	-112460	211	6164	-89771	-227	1804	-22689
Piano 6	SLD 9	16	-7968	-117237	-1573	-8548	-90502	1589	581	-26735
Piano 6	SLD 10	16	-7968	-117237	-1573	-8548	-90502	1589	581	-26735
Piano 6	SLD 11	2028	6974	-113110	4273	6239	-89177	-2245	735	-23933
Piano 6	SLD 12	2028	6974	-113110	4273	6239	-89177	-2245	735	-23933
Piano 6	SLD 13	3104	-3898	-116551	5211	-3285	-89346	-2107	-613	-27206
Piano 6	SLD 14	3104	-3898	-116551	5211	-3285	-89346	-2107	-613	-27206
Piano 6	SLD 15	3708	585	-115313	6965	1152	-88948	-3257	-567	-26365
Piano 6	SLD 16	3708	585	-115313	6965	1152	-88948	-3257	-567	-26365
Piano 6	SLV 1	-9296	-1808	-113405	-18084	-6956	-93080	8788	5148	-20326
Piano 6	SLV 2	-9296	-1808	-113405	-18084	-6956	-93080	8788	5148	-20326
Piano 6	SLV 3	-7775	8175	-110671	-14196	2962	-91918	6422	5213	-18753
Piano 6	SLV 4	-7775	8175	-110671	-14196	2962	-91918	6422	5213	-18753
Piano 6	SLV 5	-5096	-15684	-118563	-11798	-17965	-92781	6702	2281	-25782

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Piano 6	SLV 6	-5096	-15684	-118563	-11798	-17965	-92781	6702	2281	-25782
Piano 6	SLV 7	-25	17594	-109447	1160	15098	-88909	-1186	2497	-20538
Piano 6	SLV 8	-25	17594	-109447	1160	15098	-88909	-1186	2497	-20538
Piano 6	SLV 9	25	-17594	-120249	-2522	-17482	-91364	2548	-112	-28885
Piano 6	SLV 10	25	-17594	-120249	-2522	-17482	-91364	2548	-112	-28885
Piano 6	SLV 11	5096	15684	-111134	10436	15580	-87492	-5340	104	-23642
Piano 6	SLV 12	5096	15684	-111134	10436	15580	-87492	-5340	104	-23642
Piano 6	SLV 13	7775	-8175	-119026	12834	-5347	-88355	-5060	-2828	-30671
Piano 6	SLV 14	7775	-8175	-119026	12834	-5347	-88355	-5060	-2828	-30671
Piano 6	SLV 15	9296	1808	-116291	16722	4572	-87194	-7426	-2763	-29098
Piano 6	SLV 16	9296	1808	-116291	16722	4572	-87194	-7426	-2763	-29098
Piano 6	CRTFP Ux+	1	0	0	1	0	0	0	0	0
Piano 6	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
Piano 6	CRTFP Uy+	0	1	0	0	1	0	0	0	0
Piano 6	CRTFP Uy-	0	-1	0	0	-1	0	0	0	0
Piano 6	CRTFP Rz+	0	0	0	0	0	0	0	0	0
Piano 6	CRTFP Rz-	0	0	0	0	0	0	0	0	0
p.lo 7	Pesi	0	0	-59485	-387	-512	-52268	387	512	-7218
p.lo 7	Port.	0	0	-28853	-261	-573	-26735	261	573	-2117
p.lo 7	Accidentali	0	0	-18798	-110	-360	-17349	110	360	-1449
p.lo 7	neve	0	0	-17052	-96	-162	-16136	96	162	-917
p.lo 7	ΔT	0	0	0	12	121	40	-12	-121	-40
p.lo 7	SLV X	9924	-2164	131	15459	805	2362	-5535	-2968	-2231
p.lo 7	SLV Y	6107	13491	-10	6479	16531	1936	-373	-3041	-1946
p.lo 7	X SLD	4266	-1100	84	6769	126	990	-2504	-1226	-906
p.lo 7	Y SLD	2802	6129	-79	2923	7394	663	-120	-1265	-742
p.lo 7	Rig Ux	1	0	0	1	0	0	0	0	0
p.lo 7	Rig Uy	0	1	0	0	1	0	0	0	0
p.lo 7	Rig Rz	0	0	0	0	0	0	0	0	0
p.lo 7	SLU 1	0	0	-82568	-596	-970	-73656	596	970	-8912
p.lo 7	SLU 2	0	0	-82568	-578	-788	-73597	578	788	-8971
p.lo 7	SLU 3	0	0	-95357	-650	-910	-85698	650	910	-9659
p.lo 7	SLU 4	0	0	-108146	-740	-1213	-97860	740	1213	-10286
p.lo 7	SLU 5	0	0	-108146	-729	-1104	-97824	729	1104	-10322
p.lo 7	SLU 6	0	0	-102305	-693	-1167	-91813	693	1167	-10493
p.lo 7	SLU 7	0	0	-115094	-765	-1288	-103914	765	1288	-11180
p.lo 7	SLU 8	0	0	-127884	-855	-1591	-116076	855	1591	-11808
p.lo 7	SLU 9	0	0	-127884	-844	-1483	-116040	844	1483	-11844
p.lo 7	SLU 10	0	0	-110764	-760	-1510	-99679	760	1510	-11085
p.lo 7	SLU 11	0	0	-110764	-750	-1401	-99643	750	1401	-11121
p.lo 7	SLU 12	0	0	-123553	-832	-1632	-111781	832	1632	-11773
p.lo 7	SLU 13	0	0	-123553	-822	-1523	-111745	822	1523	-11808
p.lo 7	SLU 14	0	0	-102765	-779	-1371	-92371	779	1371	-10394
p.lo 7	SLU 15	0	0	-102765	-761	-1189	-92311	761	1189	-10453
p.lo 7	SLU 16	0	0	-115554	-833	-1311	-104413	833	1311	-11141
p.lo 7	SLU 17	0	0	-128343	-923	-1614	-116575	923	1614	-11769
p.lo 7	SLU 18	0	0	-128343	-912	-1505	-116539	912	1505	-11804
p.lo 7	SLU 19	0	0	-122502	-876	-1567	-110527	876	1567	-11975
p.lo 7	SLU 20	0	0	-135291	-948	-1689	-122629	948	1689	-12662
p.lo 7	SLU 21	0	0	-148081	-1038	-1992	-134791	1038	1992	-13290
p.lo 7	SLU 22	0	0	-148081	-1027	-1883	-134755	1027	1883	-13326
p.lo 7	SLU 23	0	0	-130961	-943	-1911	-118394	943	1911	-12567
p.lo 7	SLU 24	0	0	-130961	-932	-1802	-118358	932	1802	-12603
p.lo 7	SLU 25	0	0	-143750	-1015	-2033	-130496	1015	2033	-13255
p.lo 7	SLU 26	0	0	-143750	-1004	-1924	-130460	1004	1924	-13290
p.lo 7	SLU 27	0	0	-100413	-712	-1123	-89336	712	1123	-11077
p.lo 7	SLU 28	0	0	-100413	-694	-942	-89277	694	942	-11137
p.lo 7	SLU 29	0	0	-113203	-766	-1064	-101379	766	1064	-11824
p.lo 7	SLU 30	0	0	-125992	-856	-1367	-113540	856	1367	-12452
p.lo 7	SLU 31	0	0	-125992	-845	-1258	-113504	845	1258	-12488
p.lo 7	SLU 32	0	0	-120151	-809	-1320	-107493	809	1320	-12658
p.lo 7	SLU 33	0	0	-132940	-881	-1442	-119595	881	1442	-13345
p.lo 7	SLU 34	0	0	-145729	-971	-1745	-131756	971	1745	-13973
p.lo 7	SLU 35	0	0	-145729	-960	-1636	-131720	960	1636	-14009
p.lo 7	SLU 36	0	0	-128610	-876	-1664	-115359	876	1664	-13250
p.lo 7	SLU 37	0	0	-128610	-866	-1555	-115323	866	1555	-13286
p.lo 7	SLU 38	0	0	-141399	-948	-1785	-127461	948	1785	-13938
p.lo 7	SLU 39	0	0	-141399	-938	-1676	-127425	938	1676	-13974
p.lo 7	SLU 40	0	0	-120610	-895	-1524	-108051	895	1524	-12559
p.lo 7	SLU 41	0	0	-120610	-877	-1343	-107992	877	1343	-12619
p.lo 7	SLU 42	0	0	-133400	-949	-1465	-120094	949	1465	-13306
p.lo 7	SLU 43	0	0	-146189	-1039	-1768	-132255	1039	1768	-13934
p.lo 7	SLU 44	0	0	-146189	-1028	-1659	-132219	1028	1659	-13970
p.lo 7	SLU 45	0	0	-140348	-992	-1721	-126208	992	1721	-14140
p.lo 7	SLU 46	0	0	-153137	-1064	-1843	-138310	1064	1843	-14828
p.lo 7	SLU 47	0	0	-165926	-1154	-2146	-150471	1154	2146	-15455
p.lo 7	SLU 48	0	0	-165926	-1143	-2037	-150435	1143	2037	-15491
p.lo 7	SLU 49	0	0	-148807	-1059	-2064	-134074	1059	2064	-14733
p.lo 7	SLU 50	0	0	-148807	-1048	-1956	-134038	1048	1956	-14768
p.lo 7	SLU 51	0	0	-161596	-1131	-2186	-146176	1131	2186	-15420
p.lo 7	SLU 52	0	0	-161596	-1120	-2077	-146140	1120	2077	-15456
p.lo 7	SLE RA 1	0	0	-88338	-648	-1084	-79003	648	1084	-9335
p.lo 7	SLE RA 2	0	0	-88338	-636	-963	-78963	636	963	-9375
p.lo 7	SLE RA 3	0	0	-96865	-684	-1045	-87031	684	1045	-9833
p.lo 7	SLE RA 4	0	0	-105391	-744	-1247	-95139	744	1247	-10252
p.lo 7	SLE RA 5	0	0	-105391	-737	-1174	-95115	737	1174	-10276
p.lo 7	SLE RA 6	0	0	-101497	-713	-1216	-91107	713	1216	-10389
p.lo 7	SLE RA 7	0	0	-110023	-761	-1297	-99175	761	1297	-10847
p.lo 7	SLE RA 8	0	0	-118549	-821	-1499	-107283	821	1499	-11266
p.lo 7	SLE RA 9	0	0	-118549	-814	-1426	-107259	814	1426	-11290
p.lo 7	SLE RA 10	0	0	-107136	-758	-1444	-96352	758	1444	-10784
p.lo 7	SLE RA 11	0	0	-107136	-751	-1372	-96328	751	1372	-10808
p.lo 7	SLE RA 12	0	0	-115662	-806	-1526	-104420	806	1526	-11242
p.lo 7	SLE RA 13	0	0	-115662	-799	-1453	-104396	799	1453	-11266
p.lo 7	SLE FR 1	0	0	-88338	-648	-1084	-79003	648	1084	-9335
p.lo 7	SLE FR 2	0	0	-88338	-642	-1024	-78983	642	1024	-9355
p.lo 7	SLE FR 3	0	0	-91749	-667	-1117	-82230	667	1117	-9518
p.lo 7	SLE FR 4	0	0	-93978	-675	-1132	-84188	675	1132	-9790

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
p.lo 7	SLE FR 5	0	0	-97388	-700	-1225	-87435	700	1225	-9953
p.lo 7	SLE FR 6	0	0	-97737	-703	-1264	-87677	703	1264	-10060
p.lo 7	SLE QP 1	0	0	-88338	-648	-1084	-79003	648	1084	-9335
p.lo 7	SLE QP 2	0	0	-93978	-681	-1192	-84208	681	1192	-9770
p.lo 7	SLD 1	-5106	-738	-94038	-8327	-3536	-85396	3221	2798	-8641
p.lo 7	SLD 2	-5106	-738	-94038	-8327	-3536	-85396	3221	2798	-8641
p.lo 7	SLD 3	-3425	2939	-94085	-6573	900	-84999	3148	2039	-9087
p.lo 7	SLD 4	-3425	2939	-94085	-6573	900	-84999	3148	2039	-9087
p.lo 7	SLD 5	-4082	-5799	-93923	-5635	-8624	-85167	1552	2825	-8756
p.lo 7	SLD 6	-4082	-5799	-93923	-5635	-8624	-85167	1552	2825	-8756
p.lo 7	SLD 7	1523	6459	-94082	211	6164	-83842	1312	296	-10240
p.lo 7	SLD 8	1523	6459	-94082	211	6164	-83842	1312	296	-10240
p.lo 7	SLD 9	-1523	-6459	-93873	-1573	-8548	-84573	50	2089	-9300
p.lo 7	SLD 10	-1523	-6459	-93873	-1573	-8548	-84573	50	2089	-9300
p.lo 7	SLD 11	4082	5799	-94032	4273	6239	-83248	-191	-440	-10784
p.lo 7	SLD 12	4082	5799	-94032	4273	6239	-83248	-191	-440	-10784
p.lo 7	SLD 13	3425	-2939	-93870	5211	-3285	-83417	-1786	346	-10453
p.lo 7	SLD 14	3425	-2939	-93870	5211	-3285	-83417	-1786	346	-10453
p.lo 7	SLD 15	5106	738	-93917	6965	1152	-83019	-1859	-413	-10898
p.lo 7	SLD 16	5106	738	-93917	6965	1152	-83019	-1859	-413	-10898
p.lo 7	SLV 1	-11756	-1884	-94106	-18084	-6956	-87151	6328	5073	-6955
p.lo 7	SLV 2	-11756	-1884	-94106	-18084	-6956	-87151	6328	5073	-6955
p.lo 7	SLV 3	-8092	6211	-94112	-14196	2962	-85989	6104	3248	-8123
p.lo 7	SLV 4	-8092	6211	-94112	-14196	2962	-85989	6104	3248	-8123
p.lo 7	SLV 5	-9084	-12842	-94007	-11798	-17965	-86852	2714	5123	-7154
p.lo 7	SLV 6	-9084	-12842	-94007	-11798	-17965	-86852	2714	5123	-7154
p.lo 7	SLV 7	3129	14140	-94027	1160	15098	-82980	1969	-958	-11047
p.lo 7	SLV 8	3129	14140	-94027	1160	15098	-82980	1969	-958	-11047
p.lo 7	SLV 9	-3129	-14140	-93928	-2522	-17482	-85435	-607	3342	-8493
p.lo 7	SLV 10	-3129	-14140	-93928	-2522	-17482	-85435	-607	3342	-8493
p.lo 7	SLV 11	9084	12842	-93948	10436	15580	-81563	-1352	-2739	-12385
p.lo 7	SLV 12	9084	12842	-93948	10436	15580	-81563	-1352	-2739	-12385
p.lo 7	SLV 13	8092	-6211	-93843	12834	-5347	-82426	-4742	-864	-11417
p.lo 7	SLV 14	8092	-6211	-93843	12834	-5347	-82426	-4742	-864	-11417
p.lo 7	SLV 15	11756	1884	-93849	16722	4572	-81265	-4966	-2688	-12584
p.lo 7	SLV 16	11756	1884	-93849	16722	4572	-81265	-4966	-2688	-12584
p.lo 7	CRTFP Ux+	1	0	0	1	0	0	0	0	0
p.lo 7	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
p.lo 7	CRTFP Uy+	0	1	0	0	1	0	0	0	0
p.lo 7	CRTFP Uy-	0	-1	0	0	-1	0	0	0	0
p.lo 7	CRTFP Rz+	0	0	0	0	0	0	0	0	0
p.lo 7	CRTFP Rz-	0	0	0	0	0	0	0	0	0

7.7 Risposta modale

***Modo**: identificativo del modo di vibrare.*
***Periodo**: periodo. [s]*
***Massa X**: massa partecipante in direzione globale X. Il valore è adimensionale.*
***Massa Y**: massa partecipante in direzione globale Y. Il valore è adimensionale.*
***Massa Z**: massa partecipante in direzione globale Z. Il valore è adimensionale.*
***Massa rot. X**: massa rotazionale partecipante attorno la direzione globale X. Il valore è adimensionale.*
***Massa rot. Y**: massa rotazionale partecipante attorno la direzione globale Y. Il valore è adimensionale.*
***Massa rot. Z**: massa rotazionale partecipante attorno la direzione globale Z. Il valore è adimensionale.*
***Massa sX**: massa partecipante in direzione Sisma X. Il valore è adimensionale.*
***Massa sY**: massa partecipante in direzione Sisma Y. Il valore è adimensionale.*

Totale masse partecipanti:

Traslazione X: 0.994192
Traslazione Y: 0.989061
Traslazione Z: 0
Rotazione X: 0.99988
Rotazione Y: 0.999959
Rotazione Z: 0.992814

Modo	Periodo	Massa X	Massa Y	Massa Z	Massa rot. X	Massa rot. Y	Massa rot. Z	Massa sX	Massa sY
1	1.132245733	0.554045108	0.275337376	0	0.331006446	0.666389291	0.040135878	0.554045108	0.275337376
2	1.035848993	0.272885116	0.530338092	0	0.661784763	0.32579142	0.323784035	0.272885116	0.530338092
3	0.892733452	0.002799506	0.029489347	0	0.005291232	0.005007833	0.477809546	0.002799506	0.029489347
4	0.329750803	0.040961861	0.043575777	0	0.000291142	0.001407471	0.014832484	0.040961861	0.043575777
5	0.304046953	0.068652792	0.015656123	0	0.000061931	0.000996632	0.041848644	0.068652792	0.015656123
6	0.20917913	0.004320565	0.0293455	0	0.000165483	0.000026142	0.037613614	0.004320565	0.0293455
7	0.202745583	0.000003154	0.006645338	0	0.000434445	0.000169094	0.007086901	0.000003154	0.006645338
8	0.178701642	0.01855335	0.014112442	0	0.000067122	0.000000747	0.010594309	0.01855335	0.014112442
9	0.169776193	0.000476889	0.011622031	0	0.000441811	0.000022864	0.016713902	0.000476889	0.011622031
10	0.153821718	0.009252156	0.002345557	0	0.000012739	0.000001323	0.00067663	0.009252156	0.002345557
11	0.141181934	0.000133181	0.002280145	0	0.000003803	0.000005297	0.004343992	0.000133181	0.002280145
12	0.127311888	0.012822997	0.000086191	0	0.000003993	0.000049501	0.004887853	0.012822997	0.000086191
13	0.122636591	0.000259768	0.011796061	0	0.000065127	0.000002408	0.001280704	0.000259768	0.011796061
14	0.114172862	0.002917768	0.005754277	0	0.000235196	0.000060793	0.000195653	0.002917768	0.005754277
15	0.105598557	0.00054151	0.003740679	0	0.000000891	0.000000073	0.004753633	0.00054151	0.003740679
16	0.086992892	0.000935437	0.002527107	0	0.000000883	0.000002295	0.000004207	0.000935437	0.002527107
17	0.084689608	0.004021835	0.002071892	0	0.000000266	0.000021757	0.001756183	0.004021835	0.002071892
18	0.08271402	0.000043631	0.000998547	0	0.000005326	0.000003756	0.002752646	0.000043631	0.000998547
19	0.081284035	0.000148407	0.000670371	0	0.000000423	0.000000352	0.001463953	0.000148407	0.000670371
20	0.075373441	0.000417311	0.000668636	0	0.000007095	0.000000001	0.000279233	0.000417311	0.000668636

7.8 Equilibrio globale forze

***Contributo**: Nome attribuito al sistema risultante.*
***Fx**: Componente X di forza del sistema risultante. [daN]*
***Fy**: Componente Y di forza del sistema risultante. [daN]*
***Fz**: Componente Z di forza del sistema risultante. [daN]*
***Mx**: Componente di momento attorno l'asse X del sistema risultante. [daN*cm]*
***My**: Componente di momento attorno l'asse Y del sistema risultante. [daN*cm]*
***Mz**: Componente di momento attorno l'asse Z del sistema risultante. [daN*cm]*

Bilancio in condizione di carico: Pesi strutturali

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	-2884865.043	-1511831429	5012428983	0
Reazioni	0	0	2884865.043	1511831429	-5012428983	0
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Permanenti portati

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	-1447682.622	-731620916	2601887053	0
Reazioni	0	0	1447682.622	731620916	-2601887053	0
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Accidentali

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	-770732.971	-392810013	1317908202	0
Reazioni	0	0	770732.971	392810013	-1317908202	0
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: neve

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	-30349.994	-15371284	59275891	0
Reazioni	0	0	30349.994	15371284	-59275891	0
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: ΔT

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	0	0	0	0
Reazioni	0	0	0	0	0	0
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Sisma X SLV

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	208190.601	0	0	0	270861578	-109131655
Reazioni	-208190.601	0	0	0	-270861578	109131655
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Sisma Y SLV

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	227564.945	0	-296068122	0	356530185
Reazioni	0	-227564.945	0	296068122	0	-356530185
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Sisma X SLD

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	81143.557	0	0	0	105569952	-42534728
Reazioni	-81143.557	0	0	0	-105569952	42534728
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Sisma Y SLD

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	88694.826	0	-115394357	0	138959815
Reazioni	0	-88694.826	0	115394357	0	-138959815
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Rig Ux

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	1	0	0	0	2230	-540
Reazioni	-1	0	0	0	-2230	540
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Rig Uy

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	1	0	-2230	0	1210
Reazioni	0	-1	0	2230	0	-1210
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Rig Rz

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	0	0	0	1

Contributo	Fx	Fy	Fz	Mx	My	Mz
Reazioni	0	0	0	0	0	-1
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

7.9 Risposta di spettro

***Spettro**: condizione elementare corrispondente allo spettro.*
  ***N.b.**: nome breve della condizione elementare.*
***Fx**: componente della forza lungo l'asse X. [daN]*
***Fy**: componente della forza lungo l'asse Y. [daN]*
***Fz**: componente della forza lungo l'asse Z. [daN]*
***Mx**: componente della coppia attorno all'asse X. [daN*cm]*
***My**: componente della coppia attorno all'asse Y. [daN*cm]*
***Mz**: componente della coppia attorno all'asse Z. [daN*cm]*
***Max X**: massima reazione lungo l'asse X.*
  ***Valore**: valore massimo della reazione. [daN]*
  ***Angolo**: angolo d'ingresso del sisma che provoca il valore massimo della reazione. [deg]*
***Max Y**: massima reazione lungo l'asse Y.*
  ***Valore**: valore massimo della reazione. [daN]*
  ***Angolo**: angolo d'ingresso del sisma che provoca il valore massimo della reazione. [deg]*
***Max Z**: massima reazione lungo l'asse Z.*
  ***Valore**: valore massimo della reazione. [daN]*
  ***Angolo**: angolo d'ingresso del sisma che provoca il valore massimo della reazione. [deg]*

Spettro	Fx	Fy	Fz	Mx	My	Mz	Max X		Max Y		Max Z	
N.b.							Valore	Angolo	Valore	Angolo	Valore	Angolo
SLV X	168861.45	82335.58	0	1.020E08	2.020E08	1.476E08	169052.81	3	169365.63	98	0	0
SLV Y	82335.58	168038.8	0	2.074E08	1.013E08	2.847E08	169052.81	3	169365.63	98	0	0
X SLD	67943.73	32690.8	0	3.977E07	7.879E07	6.006E07	68012.8	3	67199.98	98	0	0
Y SLD	32690.8	66742.54	0	80844874	3.952E07	1.134E08	68012.8	3	67199.98	98	0	0

8 Verifiche

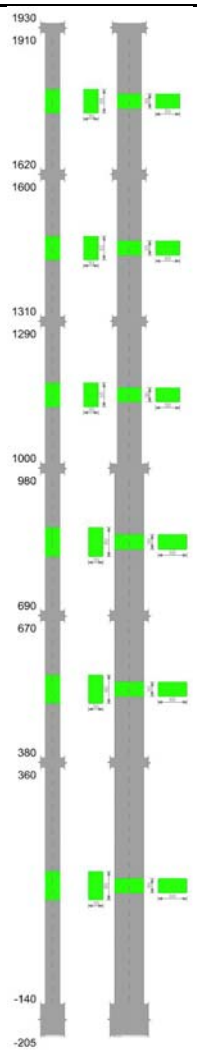
8.1 Verifiche pilastrate C.A.

Le unità di misura elencate nel capitolo sono in [cm, daN] ove non espressamente specificato.

***Q.inf.**: quota inferiore. [cm]*
***Q.sup.**: quota superiore. [cm]*
***Sezione**: sezione impiegata.*
***Esistente**: campata esistente.*
***Secondaria**: campata secondaria.*
***Dissipativa**: campata dissipativa.*
***Interna a parete**: campata adiacente ad una parete in c.a.*
***Sovraresistenza**: aliquota di sovraresistenza da assicurare in verifica.*
***Materiale CLS**: materiale calcestruzzo impiegato.*
***Materiale Acciaio**: materiale/i acciaio impiegato/i.*
***FC**: fattore di confidenza riferito al materiale CLS.*
***Posizione**: posizione della barra.*
***X**: ascissa relativa della barra rispetto al baricentro della sezione. [cm]*
***Y**: ordinata relativa della barra rispetto al baricentro della sezione. [cm]*
***Diametro**: diametro nominale della barra. [cm]*
***Area**: area nominale della barra. [cm²]*
***Q.inf.**: quota inferiore della barra. [cm]*
***Q.sup.**: quota superiore della barra. [cm]*
***Materiale**: materiale della barra.*
***Quota**: quota della sezione. [cm]*
***As**: area complessiva delle armature verticali. [cm²]*
***%**: percentuale di acciaio.*
***At**: area delle armature verticali destinata alla verifica di torsione. [cm²]*
***Pos.**: posizioni barre longitudinali presenti nella sezione.*
***Mx**: momento Mx. [daN*cm]*
***My**: momento My. [daN*cm]*
***N**: sforzo normale. [daN]*
***MRdx**: momento resistente in direzione X. [daN*cm]*
***MRdy**: momento resistente in direzione Y. [daN*cm]*
***Comb.**: combinazione peggiore.*
***Coeff.s.**: coefficiente di sicurezza minimo.*
***Verifica**: stato di verifica.*
***ε,cu**: deformazione ultima utilizzata per il calcestruzzo [‰].*
***ε,fk**: deformazione ultima utilizzata per l'acciaio [‰].*
***C.S.**: coefficiente di sicurezza minimo.*
***Nmin**: compressione massima. [daN]*
***Nlim**: compressione limite. [daN]*
***Comb.Nmin**: combinazione in cui si ottiene la compressione massima.*
***Ver.**: stato di verifica.*
***Staffe**: staffatura presente nella sezione.*
***Direzione X**: dati della verifica a taglio in direzione X.*
***V**: taglio di verifica per la direzione considerata. [daN]*
***N**: sforzo normale per la verifica nella direzione considerata. [daN]*
***Comb.**: combinazione per la verifica nella direzione considerata.*
***VRd**: resistenza a taglio del calcestruzzo non staffato per la verifica nella direzione considerata. [daN]*
***VRsd**: resistenza a taglio delle staffe per la verifica nella direzione considerata. [daN]*
***VRcd**: resistenza a taglio delle bielle compresse per la verifica nella direzione considerata. [daN]*
***Cot**: cotagente delle bielle compresse per la verifica nella direzione considerata.*
***c.s.**: coefficiente di sicurezza per la verifica nella direzione considerata.*
***Direzione Y**: dati della verifica a taglio in direzione Y.*
***σc,max**: tensione massima sul calcestruzzo. [daN/cm²]*
***σf,max**: tensione massima sull'acciaio. [daN/cm²]*
***Mx,sr**: momento Mx di fessurazione. [daN*cm]*
***My,sr**: momento My di fessurazione. [daN*cm]*
***N,sr**: sforzo normale di fessurazione. [daN]*
***σs**: tensione massima sull'acciaio in condizioni fessurate. [daN/cm²]*
***Ac,eff**: area di calcestruzzo efficace. [cm²]*
***ρ,eff**: rapporto geometrico di area d'acciaio efficace.*
***Sm**: distanza media fra le fessure. [cm]*
***Wk**: apertura delle fessure. [cm]*
***Fessurata**: presenza di fessurazione.*

Pilastro 1

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60	No	No	No	No		C30/37	B450C	
380	670	R 30x60	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	
1620	1910	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.10	-9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	-9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.11	-9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	-9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	-497960	497960	-183580	-818158	818158	SLU 52	1.643	Si
-111	20.11	2.2	0	1,2	-497501	497501	-183411	-818158	818158	SLU 52	1.645	Si
-81	20.11	1.1	0	2	-497035	497035	-183239	-818158	818158	SLU 52	1.646	Si
-52	20.11	1.1	0	2	-496568	496568	-183067	-818158	818158	SLU 52	1.648	Si
-22	20.11	1.1	0	2	-496101	496101	-182895	-818158	818158	SLU 52	1.649	Si
7	20.11	1.1	0	2	-495635	495635	-182722	-818158	818158	SLU 52	1.651	Si
36	20.11	1.1	0	2	-495168	495168	-182550	-818158	818158	SLU 52	1.652	Si
66	20.11	1.1	0	2	-494701	494701	-182378	-818158	818158	SLU 52	1.654	Si
95	20.11	1.1	0	2	-494235	494235	-182206	-818158	818158	SLU 52	1.655	Si
125	20.11	1.1	0	2	-493763	-493763	-182032	-818158	-818158	SLU 52	1.657	Si
154	20.11	1.1	0	2	493301	-493301	-181862	818158	-818158	SLU 52	1.659	Si
184	20.11	1.1	0	2	492834	-492834	-181690	818158	-818158	SLU 52	1.66	Si
213	20.11	1.1	0	2	492375	-492375	-181521	818158	-818158	SLU 52	1.662	Si
242	20.11	1.1	0	2	491901	-491901	-181346	818158	-818158	SLU 52	1.663	Si
272	20.11	1.1	0	2	491434	-491434	-181174	818158	-818158	SLU 52	1.665	Si
301	20.11	1.1	0	2	490968	-490968	-181002	818158	-818158	SLU 52	1.666	Si
331	20.11	1.1	0	2	490501	-490501	-180830	818158	-818158	SLU 52	1.668	Si
360	20.11	1.1	0	2	490042	-490042	-180661	818158	-818158	SLU 52	1.67	Si
380	20.11	2.2	0	2,3	-304451	304451	-152226	-647491	647491	SLU 52	2.127	Si
409	20.11	2.2	0	2,3	-304118	304118	-152059	-647491	647491	SLU 52	2.129	Si
438	20.11	1.1	0	3	-303778	303778	-151889	-647491	647491	SLU 52	2.131	Si
467	20.11	1.1	0	3	-303439	303439	-151719	-647491	647491	SLU 52	2.134	Si
496	20.11	1.1	0	3	-303100	303100	-151550	-647491	647491	SLU 52	2.136	Si
525	20.11	1.1	0	3	-302760	-302760	-151380	-647491	-647491	SLU 52	2.139	Si
554	20.11	1.1	0	3	302421	-302421	-151211	647491	-647491	SLU 52	2.141	Si
583	20.11	1.1	0	3	302082	-302082	-151041	647491	-647491	SLU 52	2.143	Si
612	20.11	1.1	0	3	301742	-301742	-150871	647491	-647491	SLU 52	2.146	Si
641	20.11	1.1	0	3	301403	-301403	-150702	647491	-647491	SLU 52	2.148	Si
670	20.11	1.1	0	3	301070	-301070	-150535	647491	-647491	SLU 52	2.151	Si
690	20.11	2.2	0	3,4,6,7	-245171	245171	-122586	-647491	647491	SLU 52	2.641	Si
719	20.11	2.2	0	3,4,6,7	-244832	244832	-122416	-647491	647491	SLU 52	2.645	Si
748	20.11	1.1	0	4,6,7	-244493	244493	-122246	-647491	647491	SLU 52	2.648	Si
777	20.11	1.1	0	4,6,7	-244153	244153	-122077	-647491	647491	SLU 52	2.652	Si
806	20.11	1.1	0	4,6,7	-243814	243814	-121907	-647491	647491	SLU 52	2.656	Si
835	20.11	1.1	0	4,6,7	243475	-243475	-121737	647491	-647491	SLU 52	2.659	Si
864	20.11	1.1	0	4,6,7	243135	-243135	-121568	647491	-647491	SLU 52	2.663	Si
893	20.11	1.1	0	4,6,7	242796	-242796	-121398	647491	-647491	SLU 52	2.667	Si
922	20.11	1.1	0	4,6,7	242457	-242457	-121228	647491	-647491	SLU 52	2.671	Si
951	20.37	1.6	0	4,5,6,7	242117	-242117	-121059	649217	-649217	SLU 52	2.681	Si
980	27.42	2	0	4,5,6,7	241778	-241778	-120889	695580	-695580	SLU 52	2.877	Si
1000	20.11	2.4	0	5,6,7,8	-185934	185934	-92967	-556148	556148	SLU 52	2.991	Si
1029	17.8	2.4	0	5,6,7,8	-185656	185656	-92828	-541580	541580	SLU 52	2.917	Si
1058	16.08	1.1	0	8	-185373	185373	-92687	-530708	530708	SLU 52	2.863	Si
1087	16.08	1.1	0	8	-185090	185090	-92545	-530708	530708	SLU 52	2.867	Si
1116	16.08	1.1	0	8	-184808	184808	-92404	-530708	530708	SLU 52	2.872	Si
1145	16.08	1.1	0	8	184525	-184525	-92262	530708	-530708	SLU 52	2.876	Si
1174	16.08	1.1	0	8	184242	-184242	-92121	530708	-530708	SLU 52	2.88	Si
1203	16.08	1.1	0	8	183959	-183959	-91980	530708	-530708	SLU 52	2.885	Si
1232	16.08	1.1	0	8	183677	-183677	-91838	530708	-530708	SLU 52	2.889	Si
1261	16.08	1.1	0	8	183394	-183394	-91697	530708	-530708	SLU 52	2.894	Si
1290	16.08	1.1	0	8	183116	-183116	-91558	530708	-530708	SLU 52	2.898	Si
1310	16.08	2.1	0	8,9	-170806	167973	-63869	-662696	651704	SLU 52	3.88	Si
1339	16.08	2.1	0	8,9	-136356	132191	-63728	-562303	545129	SLU 52	4.124	Si
1368	16.08	1.1	0	9	-127173	127173	-63586	-530708	530708	SLU 52	4.173	Si
1397	16.08	1.1	0	9	-126890	126890	-63445	-530708	530708	SLU 52	4.182	Si
1426	16.08	1.1	0	9	-126607	126607	-63304	-530708	530708	SLU 52	4.192	Si
1455	16.08	1.1	0	9	126325	-126325	-63162	530708	-530708	SLU 52	4.201	Si
1484	16.08	1.1	0	9	126042	-126042	-63021	530708	-530708	SLU 52	4.211	Si
1513	16.08	1.1	0	9	125759	-125759	-62880	530708	-530708	SLU 52	4.22	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1542	16.08	1.1	0	9	125476	-125476	-62738	530708	-530708	SLU 52	4.23	Si
1571	16.08	1.1	0	9	139242	-154057	-62597	566189	-626433	SLU 52	4.066	Si
1600	16.08	1.1	0	9	173692	-189839	-62455	665258	-727103	SLU 52	3.83	Si
1620	16.08	2.1	0	9,10,11	-160012	130170	-35019	-970297	789339	SLU 52	6.064	Si
1649	16.08	2.1	0	9,10,11	-131109	106746	-34881	-867227	706076	SLU 52	6.615	Si
1678	16.08	1.1	0	10,11	-101699	82910	-34739	-732481	597157	SLU 52	7.202	Si
1707	16.08	1.1	0	10,11	-72289	69196	-34598	-553011	529347	SLU 52	7.65	Si
1736	16.08	1.1	0	10,11	-68913	68913	-34456	-530708	530708	SLU 52	7.701	Si
1765	16.08	1.1	0	10,11	-68630	68630	-34315	-530708	530708	SLU 52	7.733	Si
1794	16.08	1.1	0	10,11	68347	-68347	-34174	530708	-530708	SLU 52	7.765	Si
1823	16.08	1.1	0	10,11	68065	-68065	-34032	530708	-530708	SLU 52	7.797	Si
1852	16.08	1.1	0	10,11	74761	-67782	-33891	581805	-527490	SLU 52	7.782	Si
1881	16.08	1.1	0	10,11	104171	-83937	-33750	762444	-614346	SLU 52	7.319	Si
1910	16.08	1.1	0	10,11	133074	-107361	-33611	896772	-723495	SLU 52	6.739	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	-1050802	-245690	-128118	-2.02	1.92	-1801759	-421272	SLV 11	1.715				Si
-111	20.11	2.2	0	1,2	-964167	-223709	-127988	-2.02	1.92	-1726129	-400503	SLV 11	1.79				Si
-81	20.11	1.1	0	2	-876038	-201354	-127856	-2.02	1.92	-1638290	-376555	SLV 11	1.87				Si
-52	20.11	1.1	0	2	-787913	-179007	-127724	-2.02	1.92	-1538968	-349640	SLV 11	1.953				Si
-22	20.11	1.1	0	2	-699795	-156672	-127591	-2.02	1.92	-1428134	-319733	SLV 11	2.041				Si
7	20.11	1.1	0	2	-611687	-134353	-127459	-2.02	1.92	-1306288	-286919	SLV 11	2.136				Si
36	20.11	1.1	0	2	-523591	-112064	-127326	-2.02	1.92	-1172606	-250974	SLV 11	2.24				Si
66	20.11	1.1	0	2	-435516	-89837	-127194	-2.02	1.92	-1025239	-211483	SLV 11	2.354				Si
95	20.11	1.1	0	2	-347475	-67744	-127062	-2.02	1.92	-861978	-168053	SLV 11	2.481				Si
125	20.11	1.1	0	2	-258612	-45838	-126928	-2.02	1.92	-670878	-118909	SLV 11	2.594				Si
154	20.11	1.1	0	2	-171652	-13084	-126797	-2.02	1.92	-445749	-33977	SLV 11	2.597				Si
184	20.11	1.1	0	2	-84221	2577	-126665	-2.02	1.92	-218937	6699	SLV 11	2.6				Si
213	20.11	1.1	0	2	-199	23816	-126534	-2.02	1.92	-517	61976	SLV 11	2.602				Si
242	20.11	1.1	0	2	89543	45996	-126400	-2.02	1.92	233258	119818	SLV 11	2.605				Si
272	20.11	1.1	0	2	184445	68135	-126268	-2.02	1.92	480981	177676	SLV 11	2.608				Si
301	20.11	1.1	0	2	271511	90381	-126135	-2.02	1.92	688960	229341	SLV 11	2.538				Si
331	20.11	1.1	0	2	359279	112678	-126003	-2.02	1.92	865555	271459	SLV 11	2.409				Si
360	20.11	1.1	0	2	445726	134622	-125873	-2.02	1.92	1022831	308924	SLV 11	2.295				Si
380	20.11	2.2	0	2,3	-255363	-248067	-101879	-2.02	1.92	-673945	-654689	SLV 15	2.639				Si
409	20.11	2.2	0	2,3	-204555	-200442	-101751	-2.02	1.92	-575445	-563875	SLV 15	2.813				Si
438	20.11	1.1	0	3	-153673	-152038	-101620	-2.02	1.92	-463193	-458265	SLV 15	3.014				Si
467	20.11	1.1	0	3	-109167	-63672	-104722	-2.02	1.92	-343247	-200199	SLV 11	3.144				Si
496	20.11	1.1	0	3	-59950	-34407	-104591	-2.02	1.92	-188732	-108318	SLV 11	3.148				Si
525	20.11	1.1	0	3	24708	-6441	-104461	-2.02	1.92	77880	-20302	SLV 11	3.152				Si
554	20.11	1.1	0	3	85289	27063	-104330	-2.02	1.92	269176	85413	SLV 11	3.156				Si
583	20.11	1.1	0	3	149317	56148	-104200	-2.02	1.92	471841	177426	SLV 11	3.16				Si
612	20.11	1.1	0	3	178369	140422	-100837	-2.02	1.92	540888	425817	SLV 15	3.032				Si
641	20.11	1.1	0	3	229871	188808	-100707	-2.02	1.92	651432	535063	SLV 15	2.834				Si
670	20.11	1.1	0	3	280981	236424	-100579	-2.02	1.92	747897	629299	SLV 15	2.662				Si
690	20.11	2.2	0	3,4,6,7	-274338	-208124	-81532	-2.02	1.92	-865265	-656427	SLV 15	3.154				Si
719	20.11	2.2	0	3,4,6,7	-214722	-166551	-81401	-2.02	1.92	-729947	-566190	SLV 15	3.4				Si
748	20.11	1.1	0	4,6,7	-155667	-125068	-81271	-2.02	1.92	-573529	-460792	SLV 15	3.684				Si
777	20.11	1.1	0	4,6,7	-108271	-48888	-83634	-2.02	1.92	-426268	-192472	SLV 11	3.937				Si
806	20.11	1.1	0	4,6,7	-45314	-25574	-83504	-2.02	1.92	-178681	-100843	SLV 11	3.943				Si
835	20.11	1.1	0	4,6,7	46163	3951	-83373	-2.02	1.92	182314	15602	SLV 11	3.949				Si
864	20.11	1.1	0	4,6,7	118018	25257	-83243	-2.02	1.92	466827	99904	SLV 11	3.956				Si
893	20.11	1.1	0	4,6,7	186211	48698	-83112	-2.02	1.92	722342	188906	SLV 11	3.879				Si
922	20.11	1.1	0	4,6,7	216741	126896	-80488	-2.02	1.92	775087	453794	SLV 15	3.576				Si
951	20.37	1.6	0	4,5,6,7	276132	168393	-80357	-2.02	1.92	917424	559471	SLV 15	3.322				Si
980	27.42	2	0	4,5,6,7	335909	209974	-80227	-2.02	1.92	1110974	694460	SLV 15	3.307				Si
1000	20.11	2.4	0	5,6,7,8	20030	346724	-47938	-2.02	1.92	67957	1176342	SLV 1	3.393				Si
1029	17.8	2.4	0	5,6,7,8	-171953	-133357	-61139	-2.02	1.92	-627749	-486845	SLV 15	3.651				Si
1058	16.08	1.1	0	8	-125241	-99380	-61030	-2.02	1.92	-491469	-389983	SLV 15	3.924				Si
1087	16.08	1.1	0	8	-80281	-65703	-60921	-2.02	1.92	-346929	-283933	SLV 15	4.321				Si
1116	16.08	1.1	0	8	-27216	-18369	-62595	-2.02	1.92	-118162	-79755	SLV 11	4.342				Si
1145	16.08	1.1	0	8	40687	4640	-62486	-2.02	1.92	176959	20181	SLV 11	4.349				Si
1174	16.08	1.1	0	8	95473	22675	-62377	-2.02	1.92	415965	98793	SLV 11	4.357				Si
1203	16.08	1.1	0	8	126372	74293	-60486	-2.02	1.92	517970	304511	SLV 15	4.099				Si
1232	16.08	1.1	0	8	173248	108103	-60377	-2.02	1.92	648386	404578	SLV 15	3.743				Si
1261	16.08	1.1	0	8	220683	142125	-60269	-2.02	1.92	758864	488726	SLV 15	3.439				Si
1290	16.08	1.1	0	8	-40672	-371466	-46854	-2.02	1.92	-123380	-1126848	SLV 1	3.034				Si
1310	16.08	2.1	0	8,9	14667	366878	-32704	-2.02	1.92	48345	1209281	SLV 1	3.296				Si
1339	16.08	2.1	0	8,9	9645	292772	-32595	-2.02	1.92	38919	1181388	SLV 1	4.035				Si
1368	16.08	1.1	0	9	4947	218746	-32486	-2.02	1.92	24885	1100435	SLV 1	5.031				Si
1397	16.08	1.1	0	9	-93179	-68186	-41062	-2.02	1.92	-535539	-391891	SLV 15	5.747				Si
1426	16.08	1.1	0	9	-34737	-22577	-42160	-2.02	1.92	-223920	-145533	SLV 11	6.446				Si
1455	16.08	1.1	0	9	31409	-7835	-42051	-2.02	1.92	202990	-50635	SLV 11	6.463				Si
1484	16.08	1.1	0	9	90490	8620	-41942	-2.02	1.92	582819	55522	SLV 11	6.441				Si
1513	16.08	1.1	0	9	149543	21749	-41833	-2.02	1.92	859333	124977	SLV 11	5.746				Si
1542	16.08	1.1	0	9	-32597	-228228	-31834	-2.02	1.92	-155554	-1089098	SLV 1	4.772				Si
1571	16.08	1.1	0	9	-37582	-302247	-31725	-2.02	1.92	-143721	-1155853	SLV 1	3.824				Si
1600	16.08	1.1	0	9	-42737	-376349	-31616	-2.02	1.92	-133833	-1178552	SLV 1	3.132				Si
1620	16.08	2.1	0	9,10,11	-9517	348471	-17502	-2.02	1.92	-33631	1231423	SLV 1	3.534				Si
1649	16.08	2.1	0	9,10,11	-15500	270907	-17396	-2.02	1.92	-69633	1217067	SLV 1	4.493				Si
1678	16.08	1.1	0	10,11	-21177	191999	-17287	-2.02	1.92	-129738	1176247	SLV 1	6.126				Si
1707	16.08	1.1	0	10,11	-24986	113153	-17178	-2.02	1.92	-229639	1039949	SLV 1	9.191				Si
1736	16.08	1.1	0	10,11	-13571	14187	-22011	-2.02	1.92	-167559	175170	SLV 11	12.347				Si
1765	16.08	1.1	0	10,11	25328	58424	-21207	-2.02	1.92	269105	620742	SLV 15	10.625				Si
1794	16.08	1.1	0	10,11	68687	106125	-21098	-2.02	1.92	549148	848468	SLV 15	7.995				Si
1823	16.08	1.1	0	10,11	-57196	-202912	-16743	-2.02	1.92	-309967	-1099646	SLV 1	5.419				Si
1852	16.08	1.1	0	10,11	-63347	-281832	-16634	-2.02	1.92	-252365	-1122777	SLV 1	3.984				Si
1881	16.08	1.1	0	10,11	-69623	-360763	-16526	-2.02	1.92	-210874	-1092677	SLV 1	3.029				Si
1910	16.08	1.1	0	10,11	-75854	-438336	-16419	-2.02	1.92	-171741	-992436	SLV 1	2.264				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	-526389	-83379	-116917	-1275467	-202031	SLD 11	2.423	Si
-111	20.11	2.2	0	1,2	-480363	-76692	-116787	-1193368	-190526	SLD 11	2.484	Si
-81	20.11	1.1	0	2	-433544	-69891	-116654	-1105480	-178214	SLD 11	2.55	Si
-52	20.11	1.1	0	2	-386727	-63094	-116522	-1012819	-165241	SLD 11	2.619	Si
-22	20.11	1.1	0	2	-339914	-56302	-116390	-915003	-151558	SLD 11	2.692	Si
7	20.11	1.1	0	2	-293107	-49518	-116257	-811592	-137112	SLD 11	2.769	Si
36	20.11	1.1	0	2	-246307	-42746	-116125	-698399	-121206	SLD 11	2.835	Si
66	20.11	1.1	0	2	-199520	-36001	-115993	-566381	-102197	SLD 11	2.839	Si
95	20.11	1.1	0	2	-152753	-29315	-115860	-434118	-83312	SLD 11	2.842	Si
125	20.11	1.1	0	2	-105554	-22740	-115727	-300325	-64700	SLD 11	2.845	Si
154	20.11	1.1	0	2	-59374	-11978	-115596	-169124	-34120	SLD 11	2.848	Si
184	20.11	1.1	0	2	-12973	-7687	-115463	-36996	-21922	SLD 11	2.852	Si
213	20.11	1.1	0	2	31520	-1151	-115333	89987	-3286	SLD 11	2.855	Si
242	20.11	1.1	0	2	79859	5534	-115199	228260	15818	SLD 11	2.858	Si
272	20.11	1.1	0	2	129961	12242	-115066	371893	35033	SLD 11	2.862	Si
301	20.11	1.1	0	2	176193	18996	-114934	504770	54421	SLD 11	2.865	Si
331	20.11	1.1	0	2	222807	25772	-114802	639048	73919	SLD 11	2.868	Si
360	20.11	1.1	0	2	268726	32443	-114671	771402	93132	SLD 11	2.871	Si
380	20.11	2.2	0	2,3	-73198	219638	-85807	-241889	725818	SLD 1	3.305	Si
409	20.11	2.2	0	2,3	-149050	-4646	-96004	-511203	-15936	SLD 11	3.43	Si
438	20.11	1.1	0	3	-110826	-3725	-95874	-380622	-12794	SLD 11	3.434	Si
467	20.11	1.1	0	3	-73680	-2849	-95743	-253392	-9799	SLD 11	3.439	Si
496	20.11	1.1	0	3	-40149	-2151	-95613	-138265	-7407	SLD 11	3.444	Si
525	20.11	1.1	0	3	12491	-2114	-95482	43074	-7291	SLD 11	3.448	Si
554	20.11	1.1	0	3	51855	1002	-95352	179065	3460	SLD 11	3.453	Si
583	20.11	1.1	0	3	92384	1606	-95221	319458	5553	SLD 11	3.458	Si
612	20.11	1.1	0	3	130680	2466	-95091	452503	8540	SLD 11	3.463	Si
641	20.11	1.1	0	3	169352	3382	-94960	587218	11727	SLD 11	3.467	Si
670	20.11	1.1	0	3	107739	-178136	-87413	362260	-598964	SLD 3	3.362	Si
690	20.11	2.2	0	3,4,6,7	-76871	182187	-71135	-303746	719884	SLD 3	3.951	Si
719	20.11	2.2	0	3,4,6,7	-56838	145179	-71004	-239207	610990	SLD 3	4.209	Si
748	20.11	1.1	0	4,6,7	-102518	5810	-76753	-439801	24924	SLD 11	4.29	Si
777	20.11	1.1	0	4,6,7	-61145	3091	-76623	-262758	13282	SLD 11	4.297	Si
806	20.11	1.1	0	4,6,7	-22613	62	-76492	-97342	268	SLD 11	4.305	Si
835	20.11	1.1	0	4,6,7	31679	420	-76362	136600	1811	SLD 11	4.312	Si
864	20.11	1.1	0	4,6,7	74579	-3481	-76231	322134	-15034	SLD 11	4.319	Si
893	20.11	1.1	0	4,6,7	115637	-6440	-76101	500335	-27865	SLD 11	4.327	Si
922	20.11	1.1	0	4,6,7	157584	-9147	-75970	682998	-39645	SLD 11	4.334	Si
951	20.37	1.6	0	4,5,6,7	97569	-152136	-69960	402832	-628124	SLD 3	4.129	Si
980	27.42	2	0	4,5,6,7	117559	-189148	-69830	488899	-786617	SLD 3	4.159	Si
1000	20.11	2.4	0	5,6,7,8	-51081	191588	-51895	-215323	807598	SLD 1	4.215	Si
1029	17.8	2.4	0	5,6,7,8	-62050	130861	-53449	-274696	579325	SLD 3	4.427	Si
1058	16.08	1.1	0	8	-43807	96948	-53341	-206093	456091	SLD 3	4.705	Si
1087	16.08	1.1	0	8	-55256	5782	-57596	-260728	27284	SLD 11	4.719	Si
1116	16.08	1.1	0	8	-20357	1240	-57487	-96235	5864	SLD 11	4.727	Si
1145	16.08	1.1	0	8	21082	-398	-57379	99853	-1887	SLD 11	4.736	Si
1174	16.08	1.1	0	8	55097	-4984	-57270	261460	-23651	SLD 11	4.745	Si
1203	16.08	1.1	0	8	89097	-9329	-57161	423607	-44355	SLD 11	4.754	Si
1232	16.08	1.1	0	8	57691	-108431	-52688	264652	-497420	SLD 3	4.587	Si
1261	16.08	1.1	0	8	75724	-142363	-52579	322269	-605876	SLD 3	4.256	Si
1290	16.08	1.1	0	8	93309	-175757	-52472	370620	-698095	SLD 3	3.972	Si
1310	16.08	2.1	0	8,9	-62471	211935	-35269	-291438	988710	SLD 1	4.665	Si
1339	16.08	2.1	0	8,9	-50389	168710	-35160	-267096	894268	SLD 1	5.301	Si
1368	16.08	1.1	0	9	-38152	125527	-35051	-228865	753015	SLD 1	5.999	Si
1397	16.08	1.1	0	9	-34685	71315	-36039	-235970	485174	SLD 3	6.803	Si
1426	16.08	1.1	0	9	-28104	-74	-38808	-196810	-520	SLD 11	7.003	Si
1455	16.08	1.1	0	9	13130	-7221	-38699	92204	-50709	SLD 11	7.023	Si
1484	16.08	1.1	0	9	50229	-14040	-38590	353733	-98875	SLD 11	7.042	Si
1513	16.08	1.1	0	9	75826	-43647	-37744	503741	-289959	SLD 7	6.643	Si
1542	16.08	1.1	0	9	57929	-118810	-35495	342367	-702182	SLD 3	5.91	Si
1571	16.08	1.1	0	9	77211	-156572	-35387	407289	-825915	SLD 3	5.275	Si
1600	16.08	1.1	0	9	54610	-221513	-34181	253295	-1027432	SLD 1	4.638	Si
1620	16.08	2.1	0	9,10,11	-66320	193162	-18759	-368040	1071941	SLD 1	5.549	Si
1649	16.08	2.1	0	9,10,11	-57422	152268	-18652	-392951	1042002	SLD 1	6.843	Si
1678	16.08	1.1	0	10,11	-48180	110666	-18543	-414487	952041	SLD 1	8.603	Si
1707	16.08	1.1	0	10,11	-38148	69097	-18435	-411593	745519	SLD 1	10.789	Si
1736	16.08	1.1	0	10,11	-23395	18697	-20310	-311298	248780	SLD 11	13.306	Si
1765	16.08	1.1	0	10,11	8569	21609	-20201	115278	290704	SLD 11	13.453	Si
1794	16.08	1.1	0	10,11	32237	38060	-19842	387520	457519	SLD 15	12.021	Si
1823	16.08	1.1	0	10,11	-5682	-97546	-18000	-58033	-996277	SLD 1	10.213	Si
1852	16.08	1.1	0	10,11	3361	-139154	-17891	27756	-1149159	SLD 1	8.258	Si
1881	16.08	1.1	0	10,11	12335	-180768	-17782	80961	-1186490	SLD 1	6.564	Si
1910	16.08	1.1	0	10,11	21120	-221667	-17675	113354	-1189744	SLD 1	5.367	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-940	-171290	SLU 46	15366	48486	49932	2.2	51.56	963	-182884	SLU 51	15029	46450	47437	2.4	48.25	Si
-111	5X/2Y Ø8/10	-940	-171120	SLU 46	15366	48486	49992	2.2	51.56	963	-182715	SLU 51	15029	46450	47499	2.4	48.25	Si
-81	5X/2Y Ø8/10	-940	-170948	SLU 46	15366	48486	50053	2.2	51.56	963	-182543	SLU 51	15029	46450	47561	2.4	48.25	Si
-52	5X/2Y Ø8/10	-940	-170776	SLU 46	15366	48486	50113	2.2	51.56	963	-182371	SLU 51	15029	46450	47624	2.4	48.25	Si
-22	5X/2Y Ø8/15	-968	-153266	SLU 20	15366	36732	50429	2.5	37.94	963	-182199	SLU 51	15029	32257	46316	2.5	33.51	Si
7	5X/2Y Ø8/15	-968	-153134	SLU 20	15366	36732	50429	2.5	37.94	963	-182027	SLU 51	15029	32257	46377	2.5	33.51	Si
36	5X/2Y Ø8/15	-968	-153002	SLU 20	15366	36732	50429	2.5	37.94	963	-181855	SLU 51	15029	32257	46438	2.5	33.51	Si
66	5X/2Y Ø8/15	-968	-152869	SLU 20	15366	36732	50429	2.5	37.94	963	-181682	SLU 51	15029	32257	46499	2.5	33.51	Si
95	5X/2Y Ø8/15	-968	-152737	SLU 20	15366	36732	50429	2.5	37.94	963	-181510	SLU 51	15029	32257	46559	2.5	33.51	Si
125	5X/2Y Ø8/15	-968	-152603	SLU 20	15366	36732	50429	2.5	37.94	963	-181337	SLU 51	15029	32257	46621	2.5	33.51	Si
154	5X/2Y Ø8/15	-968	-152472	SLU 20	15366	36732	50429	2.5	37.94	963	-181166	SLU 51	15029	32257	46681	2.5	33.51	Si
184	5X/2Y Ø8/15	-968	-152340	SLU 20	15366	36732	50429	2.5	37.94	963	-180994	SLU 51	15029	32257	46742	2.5	33.51	Si
213	5X/2Y Ø8/15	-968	-152210	SLU 20	15366	36732	50429	2.5	37.94	963	-180825	SLU 51	15029	32257	46802	2.5	33.51	Si
242	5X/2Y Ø8/10	-940	-169056	SLU 46	15366	49588	49967	2.25	52.73	963	-180650	SLU 51	15029	47417	47549	2.45	49.26	Si
272	5X/2Y Ø8/10	-940	-168884	SLU 46	15366	49588	50027	2.25	52.73	963	-180478	SLU 51	15029	47417	47611	2.45	49.26	Si
301	5X/2Y Ø8/10	-940	-168712	SLU 46	15366	49588	50086	2.25	52.73	963	-180306	SLU 51	15029	47417	47673	2.45	49.26	Si
331	5X/2Y Ø8/10	-940	-168540	SLU 46	15366	49588	50146	2.25	52.73	963	-180134	SLU 51	15029	47417	47735	2.45	49.26	Si
360	5X/2Y Ø8/10	-940	-168370	SLU 46	15366	49588	50205	2.25	52.73	963	-179965	SLU 51	15029	47417	47795	2.45	49.26	Si
380	5X/2Y Ø8/10	-949	-151300	SLU 51	15366	51792	52691	2.35	54.59	1580	-142061	SLU 46	15029	48385	55356	2.5	30.63	Si
409	5X/2Y Ø8/10	-949	-151133	SLU 51	15366	51792	52691	2.35	54.59	1580	-141895	SLU 46	15029	48385	55356	2.5	30.63	Si
438	5X/2Y Ø8/10	-949	-150963	SLU 51	15366	51792	52691	2.35	54.59	1580	-141725	SLU 46	15029	48385	55356	2.5	30.63	Si
467	5X/2Y Ø8/14.4	-949	-150794	SLU 51	15366	38145	50429	2.5	40.21	1580	-141555	SLU 46	15029	33497	55356	2.5	21.2	Si
496	5X/2Y Ø8/14.4	-949	-150624	SLU 51	15366	38145	50429	2.5	40.21	1580	-141386	SLU 46	15029	33497	55356	2.5	21.2	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
525	5X/2Y Ø8/14.4	-949	-150454	SLU 51	15366	38145	50429	2.5	40.21	1580	-141216	SLU 46	15029	33497	55356	2.5	21.2	Si
554	5X/2Y Ø8/14.4	-949	-150285	SLU 51	15366	38145	50429	2.5	40.21	1580	-141047	SLU 46	15029	33497	55356	2.5	21.2	Si
583	5X/2Y Ø8/14.4	-949	-150115	SLU 51	15366	38145	50429	2.5	40.21	1580	-140877	SLU 46	15029	33497	55356	2.5	21.2	Si
612	5X/2Y Ø8/10	-949	-149945	SLU 51	15366	51792	52691	2.35	54.59	1580	-140707	SLU 46	15029	48385	55356	2.5	30.63	Si
641	5X/2Y Ø8/10	-949	-149776	SLU 51	15366	51792	52691	2.35	54.59	1580	-140538	SLU 46	15029	48385	55356	2.5	30.63	Si
670	5X/2Y Ø8/10	-949	-149609	SLU 51	15366	51792	52691	2.35	54.59	1580	-140371	SLU 46	15029	48385	55356	2.5	30.63	Si
690	5X/2Y Ø8/10	-1080	-121876	SLU 51	15366	51792	52691	2.35	47.96	1330	-114178	SLU 46	15029	48385	55356	2.5	36.37	Si
719	5X/2Y Ø8/10	-1080	-121707	SLU 51	15366	51792	52691	2.35	47.96	1330	-114008	SLU 46	15029	48385	55356	2.5	36.37	Si
748	5X/2Y Ø8/10	-1080	-121537	SLU 51	15366	51792	52691	2.35	47.96	1330	-113838	SLU 46	15029	48385	55356	2.5	36.37	Si
777	5X/2Y Ø8/14.4	-1080	-121367	SLU 51	15366	38145	50429	2.5	35.32	1330	-113669	SLU 46	15029	33497	55356	2.5	25.18	Si
806	5X/2Y Ø8/14.4	-1080	-121198	SLU 51	15366	38145	50429	2.5	35.32	1330	-113499	SLU 46	15029	33497	55356	2.5	25.18	Si
835	5X/2Y Ø8/14.4	-1080	-121028	SLU 51	15366	38145	50429	2.5	35.32	1330	-113329	SLU 46	15029	33497	55356	2.5	25.18	Si
864	5X/2Y Ø8/14.4	-1080	-120858	SLU 51	15366	38145	50429	2.5	35.32	1330	-113160	SLU 46	15029	33497	55356	2.5	25.18	Si
893	5X/2Y Ø8/14.4	-1080	-120689	SLU 51	15366	38145	50429	2.5	35.32	1330	-112990	SLU 46	15029	33497	55356	2.5	25.18	Si
922	5X/2Y Ø8/10	-1080	-120519	SLU 51	15366	51792	52691	2.35	47.96	1330	-112820	SLU 46	15029	48385	55356	2.5	36.37	Si
951	5X/2Y Ø8/10	-1080	-120349	SLU 51	15366	51792	52691	2.35	47.96	1330	-112651	SLU 46	15029	48385	55356	2.5	36.37	Si
980	5X/2Y Ø8/10	-1080	-120180	SLU 51	15366	51792	52691	2.35	47.96	1330	-112481	SLU 46	15029	48385	55356	2.5	36.37	Si
1000	4X/2Y Ø8/10	-1034	-92458	SLU 51	12805	42315	43268	2.4	40.91	1108	-92967	SLU 52	12600	39534	45230	2.5	35.69	Si
1029	4X/2Y Ø8/10	-1034	-92319	SLU 51	12805	42315	43268	2.4	40.91	1108	-92828	SLU 52	12600	39534	45230	2.5	35.69	Si
1058	4X/2Y Ø8/10	-1034	-92177	SLU 51	12805	42315	43268	2.4	40.91	1108	-92687	SLU 52	12600	39534	45230	2.5	35.69	Si
1087	4X/2Y Ø8/14.4	-1034	-92036	SLU 51	12805	30516	42024	2.5	29.5	1108	-92545	SLU 52	12600	27370	45230	2.5	24.71	Si
1116	4X/2Y Ø8/14.4	-1034	-91895	SLU 51	12805	30516	42024	2.5	29.5	1108	-92404	SLU 52	12600	27370	45230	2.5	24.71	Si
1145	4X/2Y Ø8/14.4	-1034	-91753	SLU 51	12805	30516	42024	2.5	29.5	1108	-92262	SLU 52	12600	27370	45230	2.5	24.71	Si
1174	4X/2Y Ø8/14.4	-1034	-91612	SLU 51	12805	30516	42024	2.5	29.5	1108	-92121	SLU 52	12600	27370	45230	2.5	24.71	Si
1203	4X/2Y Ø8/14.4	-1034	-91470	SLU 51	12805	30516	42024	2.5	29.5	1108	-91980	SLU 52	12600	27370	45230	2.5	24.71	Si
1232	4X/2Y Ø8/10	-1034	-91329	SLU 51	12805	42315	43268	2.4	40.91	1108	-91838	SLU 52	12600	39534	45230	2.5	35.69	Si
1261	4X/2Y Ø8/10	-1034	-91188	SLU 51	12805	42315	43268	2.4	40.91	1108	-91697	SLU 52	12600	39534	45230	2.5	35.69	Si
1290	4X/2Y Ø8/10	-1034	-91049	SLU 51	12805	42315	43268	2.4	40.91	1108	-91558	SLU 52	12600	39534	45230	2.5	35.69	Si
1310	4X/2Y Ø8/10	-1243	-63532	SLU 51	12805	42315	43039	2.4	34.04	1195	-58807	SLU 45	12600	39534	44336	2.5	33.07	Si
1339	4X/2Y Ø8/10	-1243	-63391	SLU 51	12805	42315	43020	2.4	34.04	1195	-58666	SLU 45	12600	39534	44316	2.5	33.07	Si
1368	4X/2Y Ø8/10	-1243	-63250	SLU 51	12805	42315	43001	2.4	34.04	1195	-58524	SLU 45	12600	39534	44297	2.5	33.07	Si
1397	4X/2Y Ø8/14.4	-1243	-63108	SLU 51	12805	30516	41747	2.5	24.55	1195	-58383	SLU 45	12600	27370	44277	2.5	22.9	Si
1426	4X/2Y Ø8/14.4	-1243	-62967	SLU 51	12805	30516	41729	2.5	24.55	1195	-58241	SLU 45	12600	27370	44257	2.5	22.9	Si
1455	4X/2Y Ø8/14.4	-1243	-62826	SLU 51	12805	30516	41711	2.5	24.55	1195	-58100	SLU 45	12600	27370	44238	2.5	22.9	Si
1484	4X/2Y Ø8/14.4	-1243	-62684	SLU 51	12805	30516	41693	2.5	24.55	1195	-57959	SLU 45	12600	27370	44218	2.5	22.9	Si
1513	4X/2Y Ø8/14.4	-1243	-62543	SLU 51	12805	30516	41675	2.5	24.55	1195	-57817	SLU 45	12600	27370	44199	2.5	22.9	Si
1542	4X/2Y Ø8/10	-1243	-62401	SLU 51	12805	42315	42889	2.4	34.04	1195	-57676	SLU 45	12600	39534	44179	2.5	33.07	Si
1571	4X/2Y Ø8/10	-1243	-62260	SLU 51	12805	42315	42870	2.4	34.04	1195	-57535	SLU 45	12600	39534	44159	2.5	33.07	Si
1600	4X/2Y Ø8/10	-1243	-62119	SLU 51	12805	42315	42851	2.4	34.04	1195	-57393	SLU 45	12600	39534	44140	2.5	33.07	Si
1620	4X/2Y Ø8/10	-849	-31727	SLU 47	10255	39671	40582	2.25	46.72	1014	-35019	SLU 52	10297	39534	41038	2.5	38.98	Si
1649	4X/2Y Ø8/10	-849	-31588	SLU 47	10238	39671	40563	2.25	46.72	1014	-34881	SLU 52	10279	39534	41019	2.5	38.98	Si
1678	4X/2Y Ø8/10	-849	-31447	SLU 47	10221	39671	40543	2.25	46.72	1014	-34739	SLU 52	10260	39534	41000	2.5	38.98	Si
1707	4X/2Y Ø8/14.4	-849	-31306	SLU 47	10203	30516	37651	2.5	35.94	1014	-34598	SLU 52	10241	27370	40980	2.5	26.99	Si
1736	4X/2Y Ø8/14.4	-849	-31164	SLU 47	10185	30516	37633	2.5	35.94	1014	-34456	SLU 52	10222	27370	40960	2.5	26.99	Si
1765	4X/2Y Ø8/14.4	-849	-31023	SLU 47	10168	30516	37615	2.5	35.94	1014	-34315	SLU 52	10203	27370	40941	2.5	26.99	Si
1794	4X/2Y Ø8/14.4	-849	-30881	SLU 47	10150	30516	37597	2.5	35.94	1014	-34174	SLU 52	10184	27370	40921	2.5	26.99	Si
1823	4X/2Y Ø8/14.4	-849	-30740	SLU 47	10133	30516	37579	2.5	35.94	1014	-34032	SLU 52	10165	27370	40902	2.5	26.99	Si
1852	4X/2Y Ø8/10	-849	-30599	SLU 47	10115	39671	40426	2.25	46.72	1014	-33891	SLU 52	10146	39534	40882	2.5	38.98	Si
1881	4X/2Y Ø8/10	-849	-30457	SLU 47	10097	39671	40406	2.25	46.72	1014	-33750	SLU 52	10127	39534	40862	2.5	38.98	Si
1910	4X/2Y Ø8/10	-849	-30318	SLU 47	10080	39671	40387	2.25	46.72	1014	-33611	SLU 52	10108	39534	40843	2.5	38.98	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-1328	-95577	SLV 1	15366	51792	52691	2.35	39	2997	-128118	SLV 11	15029	48385	55356	2.5	16.14	Si
-111	5X/2Y Ø8/10	-1328	-95447	SLV 1	15366	51792	52691	2.35	39	2997	-127988	SLV 11	15029	48385	55356	2.5	16.14	Si
-81	5X/2Y Ø8/10	-1328	-95315	SLV 1	15366	51792	52691	2.35	39	2997	-127856	SLV 11	15029	48385	55356	2.5	16.14	Si
-52	5X/2Y Ø8/10	-1328	-95182	SLV 1	15366	51792	52691	2.35	39	2997	-127724	SLV 11	15029	48385	55356	2.5	16.14	Si
-22	5X/2Y Ø8/15	-1328	-95050	SLV 1	15366	36732	50429	2.5	27.66	2997	-127591	SLV 11	15029	32257	55356	2.5	10.76	Si
7	5X/2Y Ø8/15	-1328	-94918	SLV 1	15366	36732	50429	2.5	27.66	2997	-127459	SLV 11	15029	32257	55356	2.5	10.76	Si
36	5X/2Y Ø8/15	-1328	-94785	SLV 1	15366	36732	50429	2.5	27.66	2997	-127326	SLV 11	15029	32257	55356	2.5	10.76	Si
66	5X/2Y Ø8/15	-1328	-94653	SLV 1	15366	36732	50429	2.5	27.66	2997	-127194	SLV 11	15029	32257	55356	2.5	10.76	Si
95	5X/2Y Ø8/15	-1328	-94521	SLV 1	15366	36732	50429	2.5	27.66	2997	-127062	SLV 11	15029	32257	55356	2.5	10.76	Si
125	5X/2Y Ø8/15	-1328	-94387	SLV 1	15366	36732	50429	2.5	27.66	2997	-126928	SLV 11	15029	32257	55356	2.5	10.76	Si
154	5X/2Y Ø8/15	-1328	-94256	SLV 1	15366	36732	50429	2.5	27.66	2997	-126797	SLV 11	15029	32257	55356	2.5	10.76	Si
184	5X/2Y Ø8/15	-1328	-94124	SLV 1	15366	36732	50429	2.5	27.66	2997	-126665	SLV 11	15029	32257	55356	2.5	10.76	Si
213	5X/2Y Ø8/15	-1328	-93993	SLV 1	15366	36732	50429	2.5	27.66	2997	-126534	SLV 11	15029	32257	55356	2.5	10.76	Si
242	5X/2Y Ø8/10	-1328	-93859	SLV 1	15366	51792	52691	2.35	39	2997	-126400	SLV 11	15029	48385	55356	2.5	16.14	Si
272	5X/2Y Ø8/10	-1328	-93726	SLV 1	15366	51792	52691	2.35	39	2997	-126268	SLV 11	15029	48385	55356	2.5	16.14	Si
301	5X/2Y Ø8/10	-1328	-93594	SLV 1	15366	51792	52691	2.35	39	2997	-126135	SLV 11	15029	48385	55356	2.5	16.14	Si
331	5X/2Y Ø8/10	-1328	-93462	SLV 1	15366	51792	52691	2.35	39	2997	-126003	SLV 11	15029	48385	55356	2.5	16.14	Si
360	5X/2Y Ø8/10	-1328	-93332	SLV 1	15366	51792	52691	2.35	39	2997	-125873	SLV 11	15029	48385	55356	2.5	16.14	Si
380	5X/2Y Ø8/10	-2881	-78838	SLV 1	15366	51792	52691	2.35	17.98	2092	-105111	SLV 11	15029	48385	55356	2.5	23.13	Si
409	5X/2Y Ø8/10	-2881	-78710	SLV 1	15366	51792	52691	2.35	17.98	2092	-104983	SLV 11	15029	48385	55356	2.5	23.13	Si
438	5X/2Y Ø8/10	-2881	-78579	SLV 1	15366	51792	52691	2.35	17.98	2092	-104852	SLV 11	15029	48385	55356	2.5	23.13	Si
467	5X/2Y Ø8/14.4	-2881	-78449	SLV 1	15366	38145	50429	2.5	13.24	2092	-104722	SLV 11	15029	33497	55356	2.5	16.01	Si
496	5X/2Y Ø8/14.4	-2881	-78318	SLV 1	15366	38145	50429	2.5	13.24	2092	-104591	SLV 11	15029	33497	55356	2.5	16.01	Si
525	5X/2Y Ø8/14.4	-2881	-78188	SLV 1	15366	38145	50413	2.5	13.24	2092	-104461	SLV 11	15029	33497	55356	2.5	16.01	Si
554	5X/2Y Ø8/14.4	-2881	-78057	SLV 1	15366	38145	50397	2.5	13.24	2092	-104330	SLV 11	15029	33497	55356	2.5	16.01	Si
583	5X/2Y Ø8/14.4	-2881	-77927	SLV 1	15366	38145	50380	2.5	13.24	2092	-104200	SLV 11	15029	33497	55356	2.5	16.01	Si
612	5X/2Y Ø8/10	-2881	-77796	SLV 1	15366	51792	52622	2.35	17.98	2092	-104069	SLV 11	15029	48385	55356	2.5	23.13	Si
641	5X/2Y Ø8/10	-2881	-77666	SLV 1	15366	51792	52604	2.35	17.98	2092	-103939	SLV 11	15029	48385	55356	2.5	23.13	Si
670	5X/2Y Ø8/10	-2881	-77537	SLV 1	15366	51792	52587	2.35	17.98	2092	-103811	SLV 11	15029	48385	55356	2.5	23.13	Si
690	5X/2Y Ø8/10	-2793	-63425	SLV 1	15366	50690	51443	2.3	18.15	2450	-84026	SLV 11	15029	48385	55356	2.5	19.75	Si
719	5X/2Y Ø8/10	-2793	-63295	SLV 1	15366	50690	51425	2.3	18.15	2450	-83895	SLV 11	15029	48385	55356	2.5	19.75	Si
748	5X/2Y Ø8/10	-2793	-63164	SLV 1	15366	50690	51407	2.3	18.15	2450	-83765	SLV 11	15029	48385	55356	2.5	19.75	Si
777	5X/2Y Ø8/14.4	-2793	-63034	SLV 1	15366	38145	48462	2.5	13.66	2450	-83634	SLV 11	15029	33497	55356	2.5	13.67	Si
806	5X/2Y Ø8/14.4	-2793	-62903	SLV 1	15366	38145	48445	2.5	13.66	2450	-83504	SLV 11	15029	33497	55356	2.5	13.67	Si
835	5X/2Y Ø8/14.4	-2793	-62773	SLV 1	15366	38145	48428	2.5	13.66	2450	-83373	SLV 11	15029	33497	55356	2.5	13.67	Si
864	5X/2Y Ø8/14.4	-2793	-62642	SLV 1	15365	38145	48411	2.5	13.66	2450	-83243	SLV 11	15029	33497	55356	2.5	13.67	Si
893	5X/2Y Ø8/14.4	-2793	-62512	SLV 1	15349	38145	48394	2.5	13.66	2450	-83112	SLV 11	15029	33497	55356	2.5	13.67	Si
922	5X/2Y Ø8/10	-2793	-62381	SLV 1	15333	50690	51300	2.3	18.15	2450	-82982	SLV 11	15029	48385	55356	2.5	19.75	Si
951	5X/2Y Ø8/10	-2793	-62251	SLV 1	15317	50690	51283	2.3	18.15	2450	-82851	SLV 11	15029	48385	55356	2.5	19.75	Si
980	5X/2Y Ø8/10	-2793	-62120	SLV 1	15300	50690	51265	2.3	18.15	2450	-82721	SLV 11	15029	48385	55356	2.5	19.75	Si
1000	4X/2Y Ø8/10	-2481	-47938	SLV 1	12274	41434	41578	2.35	16.7	1929	-63028	SLV 11	12600	39534	44921	2.5	20.49	Si
1029	4X/2Y Ø8/10	-2481	-47831	SLV 1	12260	41434	41564	2.35	16.7	1929	-62921	SLV 11	12600	39534	44906	2.5	20.49	Si
1058	4X/2Y Ø8/10	-2481	-47722	SLV 1	12247	41434	41549	2.35	16.7	1929	-62812	SLV 11	12600	39534	44891	2.5	20.49	Si
1087	4X/2Y Ø8/14.4	-2481	-47613	SLV 1	12233	30516	39752	2.5	12.3	1929	-62704	SLV 11	12600	27370	44876	2.5	14.19	Si
1116	4X/2Y Ø8/14.4	-2481	-47505	SLV 1	12220	30516	39738	2.5	12.3	1929	-62595	SLV 11	12600	27370	44861	2.5	14.19	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1145	4X/2Y Ø8/14.4	-2481	-47396	SLV 1	12206	30516	39724	2.5	12.3	1929	-62486	SLV 11	12600	27370	44846	2.5	14.19	Si
1174	4X/2Y Ø8/14.4	-2481	-47287	SLV 1	12193	30516	39710	2.5	12.3	1929	-62377	SLV 11	12600	27370	44831	2.5	14.19	Si
1203	4X/2Y Ø8/14.4	-2481	-47178	SLV 1	12179	30516	39696	2.5	12.3	1929	-62269	SLV 11	12600	27370	44816	2.5	14.19	Si
1232	4X/2Y Ø8/10	-2481	-47070	SLV 1	12166	41434	41461	2.35	16.7	1929	-62160	SLV 11	12600	39534	44800	2.5	20.49	Si
1261	4X/2Y Ø8/10	-2481	-46961	SLV 1	12152	41434	41447	2.35	16.7	1929	-62051	SLV 11	12600	39534	44785	2.5	20.49	Si
1290	4X/2Y Ø8/10	-2481	-46854	SLV 1	12139	40552	42050	2.3	16.35	1929	-61944	SLV 11	12600	39534	44771	2.5	20.49	Si
1310	4X/2Y Ø8/10	-2560	-32704	SLV 1	10377	39671	40718	2.25	15.5	2068	-42595	SLV 11	11312	39534	42088	2.5	19.12	Si
1339	4X/2Y Ø8/10	-2560	-32595	SLV 1	10363	39671	40703	2.25	15.5	2068	-42486	SLV 11	11298	39534	42073	2.5	19.12	Si
1368	4X/2Y Ø8/10	-2560	-32486	SLV 1	10350	39671	40687	2.25	15.5	2068	-42377	SLV 11	11283	39534	42058	2.5	19.12	Si
1397	4X/2Y Ø8/14.4	-2560	-32377	SLV 1	10336	30516	37790	2.5	11.92	2068	-42268	SLV 11	11268	27370	42043	2.5	13.24	Si
1426	4X/2Y Ø8/14.4	-2560	-32269	SLV 1	10323	30516	37775	2.5	11.92	2068	-42160	SLV 11	11254	27370	42028	2.5	13.24	Si
1455	4X/2Y Ø8/14.4	-2560	-32160	SLV 1	10309	30516	37761	2.5	11.92	2068	-42051	SLV 11	11239	27370	42013	2.5	13.24	Si
1484	4X/2Y Ø8/14.4	-2560	-32051	SLV 1	10296	30516	37747	2.5	11.92	2068	-41942	SLV 11	11225	27370	41998	2.5	13.24	Si
1513	4X/2Y Ø8/14.4	-2560	-31942	SLV 1	10282	30516	37733	2.5	11.92	2068	-41833	SLV 11	11210	27370	41983	2.5	13.24	Si
1542	4X/2Y Ø8/10	-2560	-31834	SLV 1	10269	39671	40597	2.25	15.5	2068	-41725	SLV 11	11196	39534	41968	2.5	19.12	Si
1571	4X/2Y Ø8/10	-2560	-31725	SLV 1	10255	39671	40582	2.25	15.5	2068	-41616	SLV 11	11181	39534	41953	2.5	19.12	Si
1600	4X/2Y Ø8/10	-2560	-31616	SLV 1	10242	39671	40567	2.25	15.5	2068	-41507	SLV 11	11166	39534	41938	2.5	19.12	Si
1620	4X/2Y Ø8/10	-2722	-17502	SLV 1	8484	38789	39191	2.2	14.25	1751	-22444	SLV 11	8612	38743	39870	2.45	22.12	Si
1649	4X/2Y Ø8/10	-2722	-17396	SLV 1	8471	38789	39176	2.2	14.25	1751	-22338	SLV 11	8598	38743	39855	2.45	22.12	Si
1678	4X/2Y Ø8/10	-2722	-17287	SLV 1	8458	38789	39160	2.2	14.25	1751	-22229	SLV 11	8583	38743	39840	2.45	22.12	Si
1707	4X/2Y Ø8/14.4	-2722	-17178	SLV 1	8444	30516	35832	2.5	11.21	1751	-22120	SLV 11	8569	27370	39250	2.5	15.63	Si
1736	4X/2Y Ø8/14.4	-2722	-17069	SLV 1	8431	30516	35818	2.5	11.21	1751	-22011	SLV 11	8554	27370	39235	2.5	15.63	Si
1765	4X/2Y Ø8/14.4	-2722	-16961	SLV 1	8417	30516	35804	2.5	11.21	1751	-21903	SLV 11	8540	27370	39220	2.5	15.63	Si
1794	4X/2Y Ø8/14.4	-2722	-16852	SLV 1	8403	30516	35790	2.5	11.21	1751	-21794	SLV 11	8525	27370	39205	2.5	15.63	Si
1823	4X/2Y Ø8/14.4	-2722	-16743	SLV 1	8390	30516	35776	2.5	11.21	1751	-21685	SLV 11	8510	27370	39190	2.5	15.63	Si
1852	4X/2Y Ø8/10	-2722	-16634	SLV 1	8376	38789	39069	2.2	14.25	1751	-21576	SLV 11	8496	38743	39748	2.45	22.12	Si
1881	4X/2Y Ø8/10	-2722	-16526	SLV 1	8363	38789	39053	2.2	14.25	1751	-21468	SLV 11	8481	38743	39733	2.45	22.12	Si
1910	4X/2Y Ø8/10	-2722	-16419	SLV 1	8349	38789	39038	2.2	14.25	1751	-21361	SLV 11	8467	38743	39718	2.45	22.12	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-595	-104188	SLD 1	19266	55098	50429	2.5	84.77	1592	-116917	SLD 11	19310	48385	55356	2.5	30.39	Si
-111	5X/2Y Ø8/10	-595	-104058	SLD 1	19266	55098	50429	2.5	84.77	1592	-116787	SLD 11	19310	48385	55356	2.5	30.39	Si
-81	5X/2Y Ø8/10	-595	-103925	SLD 1	19266	55098	50429	2.5	84.77	1592	-116654	SLD 11	19310	48385	55356	2.5	30.39	Si
-52	5X/2Y Ø8/10	-595	-103793	SLD 1	19266	55098	50429	2.5	84.77	1592	-116522	SLD 11	19310	48385	55356	2.5	30.39	Si
-22	5X/2Y Ø8/15	-595	-103661	SLD 1	19266	36732	50429	2.5	61.74	1592	-116390	SLD 11	19310	32257	55356	2.5	20.26	Si
7	5X/2Y Ø8/15	-595	-103528	SLD 1	19266	36732	50429	2.5	61.74	1592	-116257	SLD 11	19310	32257	55356	2.5	20.26	Si
36	5X/2Y Ø8/15	-595	-103396	SLD 1	19266	36732	50429	2.5	61.74	1592	-116125	SLD 11	19310	32257	55356	2.5	20.26	Si
66	5X/2Y Ø8/15	-595	-103264	SLD 1	19266	36732	50429	2.5	61.74	1592	-115993	SLD 11	19310	32257	55356	2.5	20.26	Si
95	5X/2Y Ø8/15	-595	-103131	SLD 1	19266	36732	50429	2.5	61.74	1592	-115860	SLD 11	19310	32257	55356	2.5	20.26	Si
125	5X/2Y Ø8/15	-595	-102998	SLD 1	19266	36732	50429	2.5	61.74	1592	-115727	SLD 11	19310	32257	55356	2.5	20.26	Si
154	5X/2Y Ø8/15	-595	-102867	SLD 1	19266	36732	50429	2.5	61.74	1592	-115596	SLD 11	19310	32257	55356	2.5	20.26	Si
184	5X/2Y Ø8/15	-595	-102734	SLD 1	19266	36732	50429	2.5	61.74	1592	-115463	SLD 11	19310	32257	55356	2.5	20.26	Si
213	5X/2Y Ø8/15	-595	-102604	SLD 1	19266	36732	50429	2.5	61.74	1592	-115333	SLD 11	19310	32257	55356	2.5	20.26	Si
242	5X/2Y Ø8/10	-595	-102470	SLD 1	19266	55098	50429	2.5	84.77	1592	-115199	SLD 11	19310	48385	55356	2.5	30.39	Si
272	5X/2Y Ø8/10	-595	-102337	SLD 1	19266	55098	50429	2.5	84.77	1592	-115066	SLD 11	19310	48385	55356	2.5	30.39	Si
301	5X/2Y Ø8/10	-595	-102205	SLD 1	19266	55098	50429	2.5	84.77	1592	-114934	SLD 11	19310	48385	55356	2.5	30.39	Si
331	5X/2Y Ø8/10	-595	-102072	SLD 1	19266	55098	50429	2.5	84.77	1592	-114802	SLD 11	19310	48385	55356	2.5	30.39	Si
360	5X/2Y Ø8/10	-595	-101942	SLD 1	19266	55098	50429	2.5	84.77	1592	-114671	SLD 11	19310	48385	55356	2.5	30.39	Si
380	5X/2Y Ø8/10	-1494	-85807	SLD 1	18249	55098	50429	2.5	33.74	1352	-96133	SLD 11	19310	48385	55356	2.5	35.78	Si
409	5X/2Y Ø8/10	-1494	-85678	SLD 1	18233	55098	50429	2.5	33.74	1352	-96004	SLD 11	19310	48385	55356	2.5	35.78	Si
438	5X/2Y Ø8/10	-1494	-85548	SLD 1	18217	55098	50429	2.5	33.74	1352	-95874	SLD 11	19310	48385	55356	2.5	35.78	Si
467	5X/2Y Ø8/14.4	-1494	-85417	SLD 1	18201	38145	50429	2.5	25.52	1352	-95743	SLD 11	19310	33497	55356	2.5	24.77	Si
496	5X/2Y Ø8/14.4	-1494	-85287	SLD 1	18185	38145	50429	2.5	25.52	1352	-95613	SLD 11	19310	33497	55356	2.5	24.77	Si
525	5X/2Y Ø8/14.4	-1494	-85156	SLD 1	18168	38145	50429	2.5	25.52	1352	-95482	SLD 11	19310	33497	55356	2.5	24.77	Si
554	5X/2Y Ø8/14.4	-1494	-85026	SLD 1	18152	38145	50429	2.5	25.52	1352	-95352	SLD 11	19310	33497	55356	2.5	24.77	Si
583	5X/2Y Ø8/14.4	-1494	-84895	SLD 1	18136	38145	50429	2.5	25.52	1352	-95221	SLD 11	19310	33497	55356	2.5	24.77	Si
612	5X/2Y Ø8/10	-1494	-84765	SLD 1	18120	55098	50429	2.5	33.74	1352	-95091	SLD 11	19310	48385	55356	2.5	35.78	Si
641	5X/2Y Ø8/10	-1494	-84634	SLD 1	18103	55098	50429	2.5	33.74	1352	-94960	SLD 11	19310	48385	55356	2.5	35.78	Si
670	5X/2Y Ø8/10	-1494	-84506	SLD 1	18087	55098	50429	2.5	33.74	1352	-94832	SLD 11	19310	48385	55356	2.5	35.78	Si
690	5X/2Y Ø8/10	-1503	-68860	SLD 1	16140	55098	49212	2.5	32.74	1471	-77014	SLD 11	16992	48385	55173	2.5	32.88	Si
719	5X/2Y Ø8/10	-1503	-68730	SLD 1	16123	55098	49195	2.5	32.73	1471	-76884	SLD 11	16974	48385	55155	2.5	32.88	Si
748	5X/2Y Ø8/10	-1503	-68599	SLD 1	16107	55098	49178	2.5	32.72	1471	-76753	SLD 11	16956	48385	55136	2.5	32.88	Si
777	5X/2Y Ø8/14.4	-1503	-68469	SLD 1	16091	38145	49162	2.5	25.38	1471	-76623	SLD 11	16939	33497	55118	2.5	22.77	Si
806	5X/2Y Ø8/14.4	-1503	-68338	SLD 1	16075	38145	49145	2.5	25.38	1471	-76492	SLD 11	16921	33497	55099	2.5	22.77	Si
835	5X/2Y Ø8/14.4	-1503	-68208	SLD 1	16058	38145	49128	2.5	25.38	1471	-76362	SLD 11	16903	33497	55081	2.5	22.77	Si
864	5X/2Y Ø8/14.4	-1503	-68077	SLD 1	16042	38145	49111	2.5	25.38	1471	-76231	SLD 11	16885	33497	55062	2.5	22.77	Si
893	5X/2Y Ø8/14.4	-1503	-67947	SLD 1	16026	38145	49094	2.5	25.38	1471	-76101	SLD 11	16867	33497	55044	2.5	22.77	Si
922	5X/2Y Ø8/10	-1503	-67816	SLD 1	16010	55098	49078	2.5	32.65	1471	-75970	SLD 11	16849	48385	55026	2.5	32.88	Si
951	5X/2Y Ø8/10	-1503	-67686	SLD 1	15993	55098	49061	2.5	32.64	1471	-75840	SLD 11	16832	48385	55007	2.5	32.88	Si
980	5X/2Y Ø8/10	-1503	-67555	SLD 1	15977	55098	49044	2.5	32.63	1471	-75709	SLD 11	16814	48385	54989	2.5	32.88	Si
1000	4X/2Y Ø8/10	-1370	-51895	SLD 1	12766	44078	40303	2.5	29.42	1203	-57921	SLD 11	13366	39534	44213	2.5	32.87	Si
1029	4X/2Y Ø8/10	-1370	-51788	SLD 1	12753	44078	40289	2.5	29.41	1203	-57814	SLD 11	13352	39534	44198	2.5	32.87	Si
1058	4X/2Y Ø8/10	-1370	-51679	SLD 1	12739	44078	40275	2.5	29.4	1203	-57705	SLD 11	13337	39534	44183	2.5	32.87	Si
1087	4X/2Y Ø8/14.4	-1370	-51570	SLD 1	12726	30516	40261	2.5	22.28	1203	-57596	SLD 11	13322	27370	44168	2.5	22.76	Si
1116	4X/2Y Ø8/14.4	-1370	-51462	SLD 1	12712	30516	40247	2.5	22.28	1203	-57487	SLD 11	13308	27370	44153	2.5	22.76	Si
1145	4X/2Y Ø8/14.4	-1370	-51353	SLD 1	12699	30516	40233	2.5	22.28	1203	-57379	SLD 11	13293	27370	44138	2.5	22.76	Si
1174	4X/2Y Ø8/14.4	-1370	-51244	SLD 1	12685	30516	40219	2.5	22.28	1203	-57270	SLD 11	13279	27370	44123	2.5	22.76	Si
1203	4X/2Y Ø8/14.4	-1370	-51135	SLD 1	12672	30516	40205	2.5	22.28	1203	-57161	SLD 11	13264	27370	44108	2.5	22.76	Si
1232	4X/2Y Ø8/10	-1370	-51027	SLD 1	12658	44078	40191	2.5	29.34	1203	-57052	SLD 11	13250	39534	44093	2.5	32.87	Si
1261	4X/2Y Ø8/10	-1370	-50918	SLD 1	12645	44078	40177	2.5	29.33	1203	-56944	SLD 11	13235	39534	44077	2.5	32.87	Si
1290	4X/2Y Ø8/10	-1370	-50811	SLD 1	12631	44078	40164	2.5	29.32	1203	-56837	SLD 11	13221	39534	44063	2.5	32.87	Si
1310	4X/2Y Ø8/10	-1493	-35269	SLD 1	10696	44078	38162	2.5	25.56	1304	-39243	SLD 11	10863	39534	41624	2.5	30.32	Si
1339	4X/2Y Ø8/10	-1493	-35160	SLD 1	10683	44078	38148	2.5	25.55	1304	-39134	SLD 11	10849	39534	41609	2.5	30.32	Si
1368	4X/2Y Ø8/10	-1493	-35051	SLD 1	10669	44078	38134	2.5	25.55	1304	-39025	SLD 11	10834	39534	41594	2.5	30.32	Si
1397	4X/2Y Ø8/14.4	-1493	-34942	SLD 1	10656	30516	38120	2.5	20.44	1304	-38917	SLD 11	10819	27370	41579	2.5	20.99	Si
1426	4X/2Y Ø8/14.4	-1493	-34834	SLD 1	10642	30516	38106	2.5	20.44	1304	-38808	SLD 11	10805	27370	41564	2.5	20.99	Si
1455	4X/2Y Ø8/14.4	-1493	-34725	SLD 1	10629	30516	38092	2.5	20.44	1304	-38699	SLD 11	10790	27370	41548	2.5	20.99	Si
1484	4X/2Y Ø8/14.4	-1493	-34616	SLD 1	10615	30516	38078	2.5	20.44	1304	-38590	SLD 11	10776	27370	41533	2.5	20.99	Si
1513	4X/2Y Ø8/14.4	-1493	-34507	SLD 1	10602	30516	38064	2.5	20.44	1304	-38482	SLD 11	10761	27370	41518	2.5	20.99	Si
1542	4X/2Y Ø8/10	-1493	-34399	SLD 1	10588	44078	38050	2.5	25.49	1304	-38373	SLD 11	10747	39534	41503	2.5	30.32	Si
1571	4X/2Y Ø8/10	-1493	-34290	SLD 1	10574	44078	38036	2.5	25.48	1304	-38264	SLD 11	10732	39534	41488	2.5	30.32	Si
1600	4X/2Y Ø8/10	-1493	-34181	SLD 1	10561	44078	38022	2.5	25.47	1304	-38155	SLD 11	10717	39534	41473	2.5	30.32	Si
1620	4X/2Y Ø8/10	-1435	-18759	SLD 1	8641	44078	36036	2.5	25.11	1094	-20743	SLD 11	8384	39534	39059	2.5	35.7	Si
1649	4X/2Y Ø8/10	-1435	-18652	SLD 1	8628	44078	36022	2.5	25.1	1094	-20636	SLD 11	8370	39534	39045	2.5	35.69	Si
1678	4X/2Y Ø8/10	-1435	-18543	SLD 1	8614	44078	36008	2.5	25.09	1094	-20528	SLD 11	8355	39534	39030	2.5	35.67	Si
1707	4X/2Y Ø8/14.4	-1435	-18435	SLD 1	8600	30516	35994	2.5	21.26	1094	-20419	SLD 11	8341	27370	39014	2.5	25.02	Si
1736	4X/2Y Ø8/14.4	-1435	-18326	SLD 1	8587	30516	35980	2.5	21.26	1094	-20310	SLD 11	8326	27370	38999	2.5	25.02	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1765	4X/2Y Ø8/14.4	-1435	-18217	SLD 1	8573	30516	35966	2.5	21.26	1094	-20201	SLD 11	8312	27370	38984	2.5	25.02	Si
1794	4X/2Y Ø8/14.4	-1435	-18108	SLD 1	8560	30516	35952	2.5	21.26	1094	-20093	SLD 11	8297	27370	38969	2.5	25.02	Si
1823	4X/2Y Ø8/14.4	-1435	-18000	SLD 1	8546	30516	35938	2.5	21.26	1094	-19984	SLD 11	8282	27370	38954	2.5	25.02	Si
1852	4X/2Y Ø8/10	-1435	-17891	SLD 1	8533	44078	35924	2.5	25.03	1094	-19875	SLD 11	8268	39534	38939	2.5	35.59	Si
1881	4X/2Y Ø8/10	-1435	-17782	SLD 1	8519	44078	35910	2.5	25.02	1094	-19766	SLD 11	8253	39534	38924	2.5	35.58	Si
1910	4X/2Y Ø8/10	-1435	-17675	SLD 1	8506	44078	35896	2.5	25.01	1094	-19660	SLD 11	8239	39534	38909	2.5	35.56	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	-141890	102501	-130163	SLE RA 13	-78	-141890	102501	-130163	SLE RA 13	-1102.5	Si
-111	-126851	90400	-130032	SLE RA 13	-76.2	-126851	90400	-130032	SLE RA 13	-1082.1	Si
-81	-111553	78090	-129900	SLE RA 13	-74.2	-111553	78090	-129900	SLE RA 13	-1061.4	Si
-52	-96254	65780	-129768	SLE RA 13	-72.3	-96254	65780	-129768	SLE RA 13	-1040.6	Si
-22	-80956	53470	-129635	SLE RA 13	-70.4	-80956	53470	-129635	SLE RA 13	-1019.8	Si
7	-65657	41159	-129503	SLE RA 13	-68.5	-65657	41159	-129503	SLE RA 13	-999.1	Si
36	-50359	28849	-129371	SLE RA 13	-66.6	-50359	28849	-129371	SLE RA 13	-978.3	Si
66	-35060	16539	-129238	SLE RA 13	-64.7	-35060	16539	-129238	SLE RA 13	-957.5	Si
95	-26895	-4412	-128642	SLE RA 12	-62.9	-26895	-4412	-128642	SLE RA 12	-937.8	Si
125	-4311	-8204	-128972	SLE RA 13	-62.3	-4311	-8204	-128972	SLE RA 13	-930.3	Si
154	10835	-20391	-128841	SLE RA 13	-63.7	10835	-20391	-128841	SLE RA 13	-944	Si
184	26133	-32701	-128709	SLE RA 13	-65.5	26133	-32701	-128709	SLE RA 13	-962.8	Si
213	41202	-44826	-128579	SLE RA 13	-67.2	41202	-44826	-128579	SLE RA 13	-981.4	Si
242	56730	-57321	-128444	SLE RA 13	-69	56730	-57321	-128444	SLE RA 13	-1000.6	Si
272	72029	-69631	-128312	SLE RA 13	-70.8	72029	-69631	-128312	SLE RA 13	-1019.5	Si
301	87327	-81941	-128179	SLE RA 13	-72.6	87327	-81941	-128179	SLE RA 13	-1038.3	Si
331	102626	-94251	-128047	SLE RA 13	-74.4	102626	-94251	-128047	SLE RA 13	-1057.2	Si
360	117664	-106352	-127917	SLE RA 13	-76.2	117664	-106352	-127917	SLE RA 13	-1075.8	Si
380	-133332	92600	-107247	SLE RA 12	-65.8	-169263	67675	-107864	SLE RA 13	-928.6	Si
409	-106537	74420	-107119	SLE RA 12	-62.8	-139035	52223	-107736	SLE RA 13	-896.3	Si
438	-79271	55920	-106988	SLE RA 12	-59.8	-108275	36500	-107605	SLE RA 13	-863.5	Si
467	-52006	37421	-106858	SLE RA 12	-56.7	-77516	20777	-107475	SLE RA 13	-830.7	Si
496	-46757	5054	-107344	SLE RA 13	-53.8	-46757	5054	-107344	SLE RA 13	-797.9	Si
525	-15998	-10669	-107214	SLE RA 13	-52.7	-15998	-10669	-107214	SLE RA 13	-784	Si
554	14762	-26393	-107083	SLE RA 13	-54.1	14762	-26393	-107083	SLE RA 13	-796.3	Si
583	45521	-42116	-106953	SLE RA 13	-56.9	45521	-42116	-106953	SLE RA 13	-827.2	Si
612	76280	-57839	-106822	SLE RA 13	-59.7	76280	-57839	-106822	SLE RA 13	-858.1	Si
641	107039	-73562	-106692	SLE RA 13	-62.6	107039	-73562	-106692	SLE RA 13	-889.1	Si
670	138381	-91757	-105946	SLE RA 12	-65.4	137268	-89014	-106564	SLE RA 13	-919.5	Si
690	-114801	98624	-86883	SLE RA 13	-55.8	-114801	98624	-86883	SLE RA 13	-774.4	Si
719	-87497	78312	-86753	SLE RA 13	-52.6	-87497	78312	-86753	SLE RA 13	-739.5	Si
748	-60194	58000	-86622	SLE RA 13	-49.4	-60194	58000	-86622	SLE RA 13	-704.7	Si
777	-32890	37688	-86492	SLE RA 13	-46.2	-32890	37688	-86492	SLE RA 13	-669.9	Si
806	-5586	17376	-86361	SLE RA 13	-42.9	-5586	17376	-86361	SLE RA 13	-635	Si
835	21718	-2936	-86231	SLE RA 13	-42.3	21718	-2936	-86231	SLE RA 13	-630.7	Si
864	49021	-23248	-86100	SLE RA 13	-45.4	49021	-23248	-86100	SLE RA 13	-663.7	Si
893	76325	-43559	-85970	SLE RA 13	-48.5	76325	-43559	-85970	SLE RA 13	-696.7	Si
922	103629	-63871	-85839	SLE RA 13	-51.6	103629	-63871	-85839	SLE RA 13	-729.7	Si
951	130933	-84183	-85709	SLE RA 13	-54.6	130933	-84183	-85709	SLE RA 13	-761.1	Si
980	158236	-104495	-85578	SLE RA 13	-54.6	158236	-104495	-85578	SLE RA 13	-755.1	Si
1000	-106381	95641	-65919	SLE RA 13	-53.9	-106381	95641	-65919	SLE RA 13	-731.2	Si
1029	-83572	75995	-65812	SLE RA 13	-51.2	-83572	75995	-65812	SLE RA 13	-705.4	Si
1058	-60362	56005	-65703	SLE RA 13	-48.1	-60362	56005	-65703	SLE RA 13	-674.7	Si
1087	-37153	36015	-65595	SLE RA 13	-44.2	-37153	36015	-65595	SLE RA 13	-633.6	Si
1116	-13944	16024	-65486	SLE RA 13	-40.3	-13944	16024	-65486	SLE RA 13	-592.5	Si
1145	9266	-3966	-65377	SLE RA 13	-38.6	9266	-3966	-65377	SLE RA 13	-574.9	Si
1174	32475	-23957	-65268	SLE RA 13	-42.4	32475	-23957	-65268	SLE RA 13	-614.1	Si
1203	55685	-43947	-65160	SLE RA 13	-46.1	55685	-43947	-65160	SLE RA 13	-653.3	Si
1232	78894	-63937	-65051	SLE RA 13	-49.8	78894	-63937	-65051	SLE RA 13	-692.5	Si
1261	102103	-83928	-64942	SLE RA 13	-53.6	102103	-83928	-64942	SLE RA 13	-731.7	Si
1290	124913	-103574	-64835	SLE RA 13	-57.3	124913	-103574	-64835	SLE RA 13	-770.2	Si
1310	-123455	114857	-45344	SLE RA 13	-47.2	-123455	114857	-45344	SLE RA 13	-613.2	Si
1339	-98606	90336	-45235	SLE RA 13	-42.7	-98606	90336	-45235	SLE RA 13	-566	Si
1368	-73756	65816	-45126	SLE RA 13	-38.2	-73756	65816	-45126	SLE RA 13	-518.7	Si
1397	-48907	41295	-45018	SLE RA 13	-33.8	-48907	41295	-45018	SLE RA 13	-471.5	Si
1426	-24058	16775	-44909	SLE RA 13	-29.3	-24058	16775	-44909	SLE RA 13	-424.2	Si
1455	792	-7745	-44800	SLE RA 13	-26.6	792	-7745	-44800	SLE RA 13	-394.8	Si
1484	25641	-32266	-44691	SLE RA 13	-31	25641	-32266	-44691	SLE RA 13	-440.2	Si
1513	50490	-56786	-44583	SLE RA 13	-35.3	50490	-56786	-44583	SLE RA 13	-485.6	Si
1542	75340	-81307	-44474	SLE RA 13	-39.7	75340	-81307	-44474	SLE RA 13	-531	Si
1571	100189	-105827	-44365	SLE RA 13	-44	100189	-105827	-44365	SLE RA 13	-576.3	Si
1600	125039	-130348	-44256	SLE RA 13	-48.4	125039	-130348	-44256	SLE RA 13	-621.7	Si
1620	-116483	88058	-24942	SLE RA 13	-32	-116483	88058	-24942	SLE RA 13	-403.2	Si
1649	-95188	72378	-24836	SLE RA 13	-28.8	-95188	72378	-24836	SLE RA 13	-368.3	Si
1678	-73520	56423	-24727	SLE RA 13	-25.5	-73520	56423	-24727	SLE RA 13	-332.8	Si
1707	-51851	40467	-24618	SLE RA 13	-22.2	-51851	40467	-24618	SLE RA 13	-297.3	Si
1736	-31142	24854	-24403	SLE RA 11	-18.9	-31142	24854	-24403	SLE RA 11	-262	Si
1765	-10002	9255	-24294	SLE RA 11	-15.7	-10002	9255	-24294	SLE RA 11	-227.3	Si
1794	13154	-7398	-24292	SLE RA 13	-15.7	13154	-7398	-24292	SLE RA 13	-227.8	Si
1823	34823	-23354	-24183	SLE RA 13	-18.9	34823	-23354	-24183	SLE RA 13	-261.4	Si
1852	56491	-39309	-24074	SLE RA 13	-22	56491	-39309	-24074	SLE RA 13	-295.1	Si
1881	78160	-55264	-23966	SLE RA 13	-25.2	78160	-55264	-23966	SLE RA 13	-328.7	Si
1910	99455	-70945	-23859	SLE RA 13	-28.4	99455	-70945	-23859	SLE RA 13	-361.8	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	-189107	22179	-109741	SLE QP 2	-63.2	Si
-111	-169260	18889	-109611	SLE QP 2	-61.9	Si
-81	-149070	15541	-109479	SLE QP 2	-60.6	Si
-52	-128880	12194	-109346	SLE QP 2	-59.3	Si
-22	-108690	8847	-109214	SLE QP 2	-57.9	Si
7	-88500	5500	-109082	SLE QP 2	-56.6	Si
36	-68310	2153	-108949	SLE QP 2	-55.3	Si
66	-48120	-1194	-108817	SLE QP 2	-54.2	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
95	-27931	-4541	-108685	SLE QP 2	-53.5	Si
125	-7539	-7922	-108551	SLE QP 2	-52.7	Si
154	12449	-11235	-108420	SLE QP 2	-53.2	Si
184	32639	-14583	-108288	SLE QP 2	-54.4	Si
213	52526	-17880	-108157	SLE QP 2	-55.6	Si
242	73019	-21277	-108023	SLE QP 2	-56.8	Si
272	93209	-24624	-107890	SLE QP 2	-58	Si
301	113399	-27971	-107758	SLE QP 2	-59.2	Si
331	133589	-31318	-107626	SLE QP 2	-60.4	Si
360	153435	-34608	-107496	SLE QP 2	-61.6	Si
380	-124571	88277	-90359	SLE QP 2	-57	Si
409	-99559	71083	-90230	SLE QP 2	-54.2	Si
438	-74108	53587	-90100	SLE QP 2	-51.3	Si
467	-48658	36091	-89969	SLE QP 2	-48.4	Si
496	-23207	18595	-89839	SLE QP 2	-45.5	Si
525	2244	1099	-89708	SLE QP 2	-42.9	Si
554	27695	-16397	-89578	SLE QP 2	-45.4	Si
583	53145	-33893	-89447	SLE QP 2	-48.2	Si
612	78596	-51389	-89317	SLE QP 2	-50.9	Si
641	104047	-68885	-89186	SLE QP 2	-53.7	Si
670	129058	-86079	-89058	SLE QP 2	-56.4	Si
690	-102417	95645	-72479	SLE QP 2	-48.1	Si
719	-77894	75999	-72348	SLE QP 2	-45.1	Si
748	-53371	56353	-72218	SLE QP 2	-42	Si
777	-28848	36708	-72087	SLE QP 2	-39	Si
806	-4325	17062	-71957	SLE QP 2	-36	Si
835	20198	-2584	-71826	SLE QP 2	-35.4	Si
864	44721	-22230	-71696	SLE QP 2	-38.3	Si
893	69244	-41875	-71565	SLE QP 2	-41.2	Si
922	93767	-61521	-71435	SLE QP 2	-44.1	Si
951	118290	-81167	-71304	SLE QP 2	-46.9	Si
980	142813	-100813	-71174	SLE QP 2	-47.1	Si
1000	-99234	89933	-54592	SLE QP 2	-46.5	Si
1029	-78260	71408	-54485	SLE QP 2	-43.9	Si
1058	-56919	52559	-54376	SLE QP 2	-40.9	Si
1087	-35577	33710	-54267	SLE QP 2	-37.3	Si
1116	-14235	14861	-54159	SLE QP 2	-33.7	Si
1145	7107	-3988	-54050	SLE QP 2	-32	Si
1174	28449	-22837	-53941	SLE QP 2	-35.5	Si
1203	49791	-41686	-53832	SLE QP 2	-38.9	Si
1232	71133	-60536	-53724	SLE QP 2	-42.4	Si
1261	92475	-79385	-53615	SLE QP 2	-45.9	Si
1290	113449	-97909	-53508	SLE QP 2	-49.3	Si
1310	-116334	105584	-37046	SLE QP 2	-40.9	Si
1339	-92894	83178	-36937	SLE QP 2	-36.8	Si
1368	-69455	60772	-36829	SLE QP 2	-32.6	Si
1397	-46015	38366	-36720	SLE QP 2	-28.5	Si
1426	-22576	15961	-36611	SLE QP 2	-24.3	Si
1455	864	-6445	-36502	SLE QP 2	-21.7	Si
1484	24303	-28851	-36394	SLE QP 2	-25.8	Si
1513	47743	-51256	-36285	SLE QP 2	-29.8	Si
1542	71182	-73662	-36176	SLE QP 2	-33.8	Si
1571	94622	-96068	-36067	SLE QP 2	-37.8	Si
1600	118061	-118474	-35959	SLE QP 2	-41.8	Si
1620	-106528	83938	-19626	SLE QP 2	-27.9	Si
1649	-87605	68680	-19519	SLE QP 2	-24.8	Si
1678	-68349	53155	-19410	SLE QP 2	-21.7	Si
1707	-49094	37630	-19301	SLE QP 2	-18.6	Si
1736	-29838	22105	-19193	SLE QP 2	-15.5	Si
1765	-10583	6579	-19084	SLE QP 2	-12.4	Si
1794	8672	-8946	-18975	SLE QP 2	-12.5	Si
1823	27928	-24471	-18866	SLE QP 2	-15.5	Si
1852	47183	-39996	-18758	SLE QP 2	-18.4	Si
1881	66439	-55521	-18649	SLE QP 2	-21.4	Si
1910	85362	-70779	-18542	SLE QP 2	-24.3	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

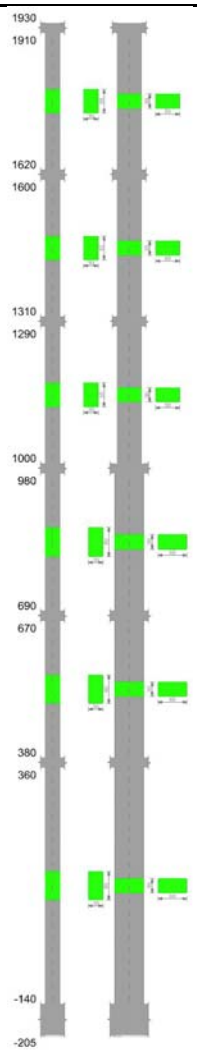
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.

Pilastro 2

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60	No	No	No	No		C30/37	B450C	
380	670	R 30x60	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	
1620	1910	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.10	-9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	-9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.11	-9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	-9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	-719191	585399	-215815	-990018	805845	SLU 52	1.377	Si
-111	20.11	2.2	0	1,2	-657881	584940	-215646	-912892	811678	SLU 52	1.388	Si
-81	20.11	1.1	0	2	-595511	584474	-215474	-832599	817168	SLU 52	1.398	Si
-52	20.11	1.1	0	2	-584282	-584282	-215404	-818158	-818158	SLU 51	1.4	Si
-22	20.11	1.1	0	2	-583815	-583815	-215232	-818158	-818158	SLU 51	1.401	Si
7	20.11	1.1	0	2	-583349	-583349	-215059	-818158	-818158	SLU 51	1.403	Si
36	20.11	1.1	0	2	-582882	-582882	-214887	-818158	-818158	SLU 51	1.404	Si
66	20.11	1.1	0	2	-582415	-582415	-214715	-818158	-818158	SLU 51	1.405	Si
95	20.11	1.1	0	2	-581949	-581949	-214543	-818158	-818158	SLU 51	1.406	Si
125	20.11	1.1	0	2	-581477	-581477	-214370	-818158	-818158	SLU 51	1.407	Si
154	20.11	1.1	0	2	-581015	-581015	-214199	-818158	-818158	SLU 51	1.408	Si
184	20.11	1.1	0	2	-580549	-580549	-214027	-818158	-818158	SLU 51	1.409	Si
213	20.11	1.1	0	2	-580089	-580089	-213858	-818158	-818158	SLU 51	1.41	Si
242	20.11	1.1	0	2	-579615	-579615	-213683	-818158	-818158	SLU 51	1.412	Si
272	20.11	1.1	0	2	579148	-579148	-213511	818158	-818158	SLU 51	1.413	Si
301	20.11	1.1	0	2	578682	-578682	-213339	818158	-818158	SLU 51	1.414	Si
331	20.11	1.1	0	2	578215	-578215	-213167	818158	-818158	SLU 51	1.415	Si
360	20.11	1.1	0	2	577756	-577756	-212998	818158	-818158	SLU 51	1.416	Si
380	20.11	2.2	0	2,3	387406	354484	-177242	704959	645052	SLU 52	1.82	Si
409	20.11	2.2	0	2,3	354583	354583	-177291	647491	647491	SLU 51	1.826	Si
438	20.11	1.1	0	3	354243	354243	-177122	647491	647491	SLU 51	1.828	Si
467	20.11	1.1	0	3	353904	353904	-176952	647491	647491	SLU 51	1.83	Si
496	20.11	1.1	0	3	353565	353565	-176782	647491	647491	SLU 51	1.831	Si
525	20.11	1.1	0	3	353225	353225	-176613	647491	647491	SLU 51	1.833	Si
554	20.11	1.1	0	3	352886	-352886	-176443	647491	-647491	SLU 51	1.835	Si
583	20.11	1.1	0	3	-352547	-352547	-176273	-647491	-647491	SLU 51	1.837	Si
612	20.11	1.1	0	3	-352208	-352208	-176104	-647491	-647491	SLU 51	1.838	Si
641	20.11	1.1	0	3	-351868	-351868	-175934	-647491	-647491	SLU 51	1.84	Si
670	20.11	1.1	0	3	-351529	-351529	-175764	-647491	-647491	SLU 51	1.842	Si
690	20.11	2.2	0	3,4,6,7	281971	281971	-140985	647491	647491	SLU 51	2.296	Si
719	20.11	2.2	0	3,4,6,7	281637	281637	-140819	647491	647491	SLU 51	2.299	Si
748	20.11	1.1	0	4,6,7	281298	281298	-140649	647491	647491	SLU 51	2.302	Si
777	20.11	1.1	0	4,6,7	280959	280959	-140479	647491	647491	SLU 51	2.305	Si
806	20.11	1.1	0	4,6,7	280619	280619	-140310	647491	647491	SLU 51	2.307	Si
835	20.11	1.1	0	4,6,7	-280280	-280280	-140140	-647491	-647491	SLU 51	2.31	Si
864	20.11	1.1	0	4,6,7	-279941	-279941	-139970	-647491	-647491	SLU 51	2.313	Si
893	20.11	1.1	0	4,6,7	-279602	-279602	-139801	-647491	-647491	SLU 51	2.316	Si
922	20.11	1.1	0	4,6,7	-279262	-279262	-139631	-647491	-647491	SLU 51	2.319	Si
951	20.37	1.6	0	4,5,6,7	-278923	-278923	-139461	-649217	-649217	SLU 51	2.328	Si
980	27.42	2	0	4,5,6,7	-278589	-278589	-139295	-695580	-695580	SLU 51	2.497	Si
1000	20.11	2.4	0	5,6,7,8	209825	209825	-104913	556148	556148	SLU 51	2.651	Si
1029	17.8	2.4	0	5,6,7,8	209543	209543	-104771	541580	541580	SLU 51	2.585	Si
1058	16.08	1.1	0	8	209260	209260	-104630	530708	530708	SLU 51	2.536	Si
1087	16.08	1.1	0	8	208977	208977	-104489	530708	530708	SLU 51	2.54	Si
1116	16.08	1.1	0	8	208694	208694	-104347	530708	530708	SLU 51	2.543	Si
1145	16.08	1.1	0	8	-208412	208412	-104206	-530708	530708	SLU 51	2.546	Si
1174	16.08	1.1	0	8	-208129	-208129	-104064	-530708	-530708	SLU 51	2.55	Si
1203	16.08	1.1	0	8	-207846	-207846	-103923	-530708	-530708	SLU 51	2.553	Si
1232	16.08	1.1	0	8	-207563	-207563	-103782	-530708	-530708	SLU 51	2.557	Si
1261	16.08	1.1	0	8	-207281	-207281	-103640	-530708	-530708	SLU 51	2.56	Si
1290	16.08	1.1	0	8	-206998	-206998	-103499	-530708	-530708	SLU 51	2.564	Si
1310	16.08	2.1	0	8,9	166822	138989	-69494	629183	524206	SLU 51	3.772	Si
1339	16.08	2.1	0	8,9	138711	138711	-69355	530708	530708	SLU 51	3.826	Si
1368	16.08	1.1	0	9	138428	138428	-69214	530708	530708	SLU 51	3.834	Si
1397	16.08	1.1	0	9	138145	138145	-69073	530708	530708	SLU 51	3.842	Si
1426	16.08	1.1	0	9	137862	137862	-68931	530708	530708	SLU 51	3.85	Si
1455	16.08	1.1	0	9	137580	-137580	-68790	530708	-530708	SLU 51	3.857	Si
1484	16.08	1.1	0	9	-137297	-137297	-68648	-530708	-530708	SLU 51	3.865	Si
1513	16.08	1.1	0	9	-137014	-137014	-68507	-530708	-530708	SLU 51	3.873	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1542	16.08	1.1	0	9	-136731	-136731	-68366	-530708	-530708	SLU 51	3.881	Si
1571	16.08	1.1	0	9	-136449	-136449	-68224	-530708	-530708	SLU 51	3.889	Si
1600	16.08	1.1	0	9	-136166	-153677	-68083	-520464	-587395	SLU 51	3.822	Si
1620	16.08	2.1	0	9,10,11	234907	68483	-34241	1468435	428093	SLU 51	6.251	Si
1649	16.08	2.1	0	9,10,11	186957	68205	-34102	1257574	458781	SLU 51	6.727	Si
1678	16.08	1.1	0	10,11	138166	67922	-33961	997399	490317	SLU 51	7.219	Si
1707	16.08	1.1	0	10,11	89375	67639	-33820	687159	520043	SLU 51	7.688	Si
1736	16.08	1.1	0	10,11	67356	67356	-33678	530708	530708	SLU 51	7.879	Si
1765	16.08	1.1	0	10,11	-67074	67074	-33537	-530708	530708	SLU 51	7.912	Si
1794	16.08	1.1	0	10,11	-66791	66791	-33395	-530708	530708	SLU 51	7.946	Si
1823	16.08	1.1	0	10,11	-105789	66508	-33254	-810434	509507	SLU 51	7.661	Si
1852	16.08	1.1	0	10,11	-154581	66225	-33113	-1112662	476687	SLU 51	7.198	Si
1881	16.08	1.1	0	10,11	-203372	65943	-32971	-1366305	443020	SLU 51	6.718	Si
1910	16.08	1.1	0	10,11	-252163	65660	-32830	-1576248	410435	SLU 51	6.251	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	-1693543	174496	-139138	-2.02	1.92	-2323339	239387	SLV 1	1.372				Si
-111	20.11	2.2	0	1,2	-1560497	157897	-139008	-2.02	1.92	-2261175	228794	SLV 1	1.449				Si
-81	20.11	1.1	0	2	-1425162	141012	-138876	-2.02	1.92	-2182011	215898	SLV 1	1.531				Si
-52	20.11	1.1	0	2	-1289846	124128	-138743	-2.02	1.92	-2084687	200620	SLV 1	1.616				Si
-22	20.11	1.1	0	2	-1154554	107247	-138611	-2.02	1.92	-1967807	182791	SLV 1	1.704				Si
7	20.11	1.1	0	2	-1019295	90369	-138479	-2.02	1.92	-1830615	162299	SLV 1	1.796				Si
36	20.11	1.1	0	2	-884084	73495	-138346	-2.02	1.92	-1673863	139150	SLV 1	1.893				Si
66	20.11	1.1	0	2	-748956	56629	-138214	-2.02	1.92	-1498811	113327	SLV 1	2.001				Si
95	20.11	1.1	0	2	-613958	39778	-138082	-2.02	1.92	-1302810	84409	SLV 1	2.122				Si
125	20.11	1.1	0	2	-477853	22791	-137948	-2.02	1.92	-1079558	51489	SLV 1	2.259				Si
154	20.11	1.1	0	2	-21701	-38976	-144415	-2.02	1.92	-49478	-88867	SLV 7	2.28				Si
184	20.11	1.1	0	2	-22207	-25078	-144283	-2.02	1.92	-50679	-57230	SLV 7	2.282				Si
213	20.11	1.1	0	2	-19935	-8666	-144152	-2.02	1.92	-45535	-19796	SLV 7	2.284				Si
242	20.11	1.1	0	2	49181	3232	-144018	-2.02	1.92	112443	7390	SLV 7	2.286				Si
272	20.11	1.1	0	2	147953	17101	-143885	-2.02	1.92	338579	39134	SLV 7	2.288				Si
301	20.11	1.1	0	2	247182	31012	-143753	-2.02	1.92	566177	71034	SLV 7	2.291				Si
331	20.11	1.1	0	2	474213	-45110	-143163	-2.02	1.92	1029442	-97927	SLV 3	2.171				Si
360	20.11	1.1	0	2	606766	-50823	-143033	-2.02	1.92	1250365	-104731	SLV 3	2.061				Si
380	20.11	2.2	0	2,3	-232537	197944	-113910	-2.02	1.92	-596369	507652	SLV 1	2.565				Si
409	20.11	2.2	0	2,3	-179198	161182	-113780	-2.02	1.92	-484821	436080	SLV 1	2.706				Si
438	20.11	1.1	0	3	112777	-1044	-119173	-2.02	1.92	311597	-2885	SLV 7	2.763				Si
467	20.11	1.1	0	3	82098	1450	-119042	-2.02	1.92	227081	4011	SLV 7	2.766				Si
496	20.11	1.1	0	3	52830	3748	-118912	-2.02	1.92	146288	10378	SLV 7	2.769				Si
525	20.11	1.1	0	3	53994	6525	-118781	-2.02	1.92	149675	18088	SLV 7	2.772				Si
554	20.11	1.1	0	3	-10703	10495	-118651	-2.02	1.92	-29702	29124	SLV 7	2.775				Si
583	20.11	1.1	0	3	-41084	12586	-118520	-2.02	1.92	-114140	34965	SLV 7	2.778				Si
612	20.11	1.1	0	3	-71781	15047	-118390	-2.02	1.92	-199639	41849	SLV 7	2.781				Si
641	20.11	1.1	0	3	297118	-134020	-112736	-2.02	1.92	787756	-355330	SLV 1	2.651				Si
670	20.11	1.1	0	3	351474	-170772	-112605	-2.02	1.92	885462	-430223	SLV 1	2.519				Si
690	20.11	2.2	0	3,4,6,7	-441908	101506	-94137	-2.02	1.92	-1281753	294417	SLV 3	2.9				Si
719	20.11	2.2	0	3,4,6,7	-356129	81313	-94009	-2.02	1.92	-1099143	250961	SLV 3	3.086				Si
748	20.11	1.1	0	4,6,7	-270021	60801	-93879	-2.02	1.92	-890890	200604	SLV 3	3.299				Si
777	20.11	1.1	0	4,6,7	-128286	-7566	-94028	-2.02	1.92	-449232	-26494	SLV 7	3.502				Si
806	20.11	1.1	0	4,6,7	-77743	-3627	-93898	-2.02	1.92	-272621	-12720	SLV 7	3.507				Si
835	20.11	1.1	0	4,6,7	-29054	5469	-93767	-2.02	1.92	-102025	19204	SLV 7	3.512				Si
864	20.11	1.1	0	4,6,7	-41045	7399	-93637	-2.02	1.92	-144333	26017	SLV 7	3.516				Si
893	20.11	1.1	0	4,6,7	-67860	11585	-93506	-2.02	1.92	-238960	40795	SLV 7	3.521				Si
922	20.11	1.1	0	4,6,7	284710	-107954	-89008	-2.02	1.92	928157	-351929	SLV 1	3.26				Si
951	20.37	1.6	0	4,5,6,7	371435	-142482	-88878	-2.02	1.92	1124438	-431333	SLV 1	3.027				Si
980	27.42	2	0	4,5,6,7	457503	-176468	-88750	-2.02	1.92	1381578	-532903	SLV 1	3.02				Si
1000	20.11	2.4	0	5,6,7,8	-280631	148631	-66413	-2.02	1.92	-893127	473028	SLV 1	3.183				Si
1029	17.8	2.4	0	5,6,7,8	-220506	73760	-69380	-2.02	1.92	-762881	255186	SLV 3	3.46				Si
1058	16.08	1.1	0	8	-163265	55566	-69271	-2.02	1.92	-597392	203319	SLV 3	3.659				Si
1087	16.08	1.1	0	8	-63627	-77	-69395	-2.02	1.92	-249179	-303	SLV 7	3.916				Si
1116	16.08	1.1	0	8	-35940	2498	-69286	-2.02	1.92	-140970	9796	SLV 7	3.922				Si
1145	16.08	1.1	0	8	-6744	7401	-69177	-2.02	1.92	-26494	29074	SLV 7	3.929				Si
1174	16.08	1.1	0	8	-33094	11371	-69069	-2.02	1.92	-130217	44743	SLV 7	3.935				Si
1203	16.08	1.1	0	8	165329	-65641	-65652	-2.02	1.92	621184	-246631	SLV 1	3.757				Si
1232	16.08	1.1	0	8	223070	-95805	-65543	-2.02	1.92	767730	-329726	SLV 1	3.442				Si
1261	16.08	1.1	0	8	282277	-126089	-65435	-2.02	1.92	894690	-399644	SLV 1	3.17				Si
1290	16.08	1.1	0	8	342167	-156426	-65326	-2.02	1.92	999483	-456926	SLV 1	2.921				Si
1310	16.08	2.1	0	8,9	-317106	151274	-43219	-2.02	1.92	-1149811	548513	SLV 1	3.626				Si
1339	16.08	2.1	0	8,9	390150	43448	-36702	-2.02	1.92	1640079	182644	SLV 13	4.204				Si
1368	16.08	1.1	0	9	-187187	57574	-45129	-2.02	1.92	-911384	280320	SLV 3	4.869				Si
1397	16.08	1.1	0	9	-123260	36597	-45020	-2.02	1.92	-677122	201046	SLV 3	5.493				Si
1426	16.08	1.1	0	9	-33303	82	-45149	-2.02	1.92	-200465	494	SLV 7	6.019				Si
1455	16.08	1.1	0	9	-3919	-619	-45040	-2.02	1.92	-23645	-3734	SLV 7	6.034				Si
1484	16.08	1.1	0	9	97673	-42763	-42568	-2.02	1.92	573466	-251073	SLV 1	5.871				Si
1513	16.08	1.1	0	9	157987	-74569	-42459	-2.02	1.92	806188	-380517	SLV 1	5.103				Si
1542	16.08	1.1	0	9	222258	-106635	-42351	-2.02	1.92	991469	-475690	SLV 1	4.461				Si
1571	16.08	1.1	0	9	287644	-138778	-42242	-2.02	1.92	1116471	-538659	SLV 1	3.881				Si
1600	16.08	1.1	0	9	353493	-170954	-42133	-2.02	1.92	1189011	-575022	SLV 1	3.364				Si
1620	16.08	2.1	0	9,10,11	471415	14316	-16748	-2.02	1.92	1800437	54676	SLV 13	3.819				Si
1649	16.08	2.1	0	9,10,11	361107	19442	-16641	-2.02	1.92	1839175	99019	SLV 13	5.093				Si
1678	16.08	1.1	0	10,11	249145	24633	-16533	-2.02	1.92	1756220	173636	SLV 13	7.049				Si
1707	16.08	1.1	0	10,11	111849	52554	-16180	-2.02	1.92	1130521	531196	SLV 9	10.108				Si
1736	16.08	1.1	0	10,11	31568	36470	-21004	-2.02	1.92	367056	424048	SLV 3	11.627				Si
1765	16.08	1.1	0	10,11	-66408	58534	-20105	-2.02	1.92	-666168	587178	SLV 11	10.031				Si
1794	16.08	1.1	0	10,11	-195746	69299	-17340	-2.02	1.92	-1376240	487222	SLV 15	7.031				Si
1823	16.08	1.1	0	10,11	-316254	51089	-15989	-2.02	1.92	-1646239	265940	SLV 13	5.205				Si
1852	16.08	1.1	0	10,11	-428494	56302	-15880	-2.02	1.92	-1660198	218143	SLV 13	3.874				Si
1881	16.08	1.1	0	10,11	-540848	61527	-15771	-2.02	1.92	-1461737	166287	SLV 13	2.703				Si
1910	16.08	1.1	0	10,11	-653259	66757	-15663	-2.02	1.92	-1332362	136154	SLV 13	2.04				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	-828660	67782	-135242	-1628013	133166	SLD 1	1.965	Si
-111	20.11	2.2	0	1,2	-764347	60331	-135112	-1542830	121778	SLD 1	2.018	Si
-81	20.11	1.1	0	2	-698929	52752	-134980	-1451254	109534	SLD 1	2.076	Si
-52	20.11	1.1	0	2	-633521	45174	-134847	-1354286	96569	SLD 1	2.138	Si
-22	20.11	1.1	0	2	-568128	37597	-134715	-1251441	82816	SLD 1	2.203	Si
7	20.11	1.1	0	2	-502754	30021	-134583	-1142143	68201	SLD 1	2.272	Si
36	20.11	1.1	0	2	-437410	22448	-134450	-1025795	52644	SLD 1	2.345	Si
66	20.11	1.1	0	2	-86161	-38780	-136850	-207309	-93306	SLD 7	2.406	Si
95	20.11	1.1	0	2	-74418	-34285	-136717	-179229	-82571	SLD 7	2.408	Si
125	20.11	1.1	0	2	-62549	-29754	-136584	-150791	-71730	SLD 7	2.411	Si
154	20.11	1.1	0	2	-50892	-25353	-136453	-122805	-61180	SLD 7	2.413	Si
184	20.11	1.1	0	2	-39016	-20926	-136320	-94239	-50544	SLD 7	2.415	Si
213	20.11	1.1	0	2	-26203	-15110	-136190	-63351	-36532	SLD 7	2.418	Si
242	20.11	1.1	0	2	14827	-11584	-136056	35883	-28034	SLD 7	2.42	Si
272	20.11	1.1	0	2	65756	-7124	-135923	159293	-17257	SLD 7	2.422	Si
301	20.11	1.1	0	2	116625	-2636	-135791	282796	-6393	SLD 7	2.425	Si
331	20.11	1.1	0	2	167940	1860	-135659	407622	4515	SLD 7	2.427	Si
360	20.11	1.1	0	2	218518	6284	-135529	530894	15266	SLD 7	2.43	Si
380	20.11	2.2	0	2,3	139032	56706	-112785	405897	165551	SLD 7	2.919	Si
409	20.11	2.2	0	2,3	115878	47131	-112654	338692	137755	SLD 7	2.923	Si
438	20.11	1.1	0	3	92733	37541	-112524	271359	109855	SLD 7	2.926	Si
467	20.11	1.1	0	3	69681	27919	-112393	204139	81793	SLD 7	2.93	Si
496	20.11	1.1	0	3	47408	18174	-112263	139050	53306	SLD 7	2.933	Si
525	20.11	1.1	0	3	39050	8663	-112132	114668	25439	SLD 7	2.936	Si
554	20.11	1.1	0	3	-147	24	-112002	-432	69	SLD 7	2.94	Si
583	20.11	1.1	0	3	-23003	-9839	-111871	-67703	-28960	SLD 7	2.943	Si
612	20.11	1.1	0	3	-46074	-19481	-111741	-135767	-57406	SLD 7	2.947	Si
641	20.11	1.1	0	3	-69194	-29077	-111610	-204135	-85783	SLD 7	2.95	Si
670	20.11	1.1	0	3	-92329	-38656	-111480	-272707	-114176	SLD 7	2.954	Si
690	20.11	2.2	0	3,4,6,7	-155432	85037	-89130	-557456	304986	SLD 3	3.586	Si
719	20.11	2.2	0	3,4,6,7	-82242	29885	-89025	-304183	110533	SLD 7	3.699	Si
748	20.11	1.1	0	4,6,7	-65221	22383	-88895	-241580	82908	SLD 7	3.704	Si
777	20.11	1.1	0	4,6,7	-49068	14825	-88764	-182016	54995	SLD 7	3.709	Si
806	20.11	1.1	0	4,6,7	-35963	7003	-88634	-133599	26017	SLD 7	3.715	Si
835	20.11	1.1	0	4,6,7	-20176	1978	-88503	-75065	7360	SLD 7	3.72	Si
864	20.11	1.1	0	4,6,7	-29054	-6744	-88373	-108253	-25126	SLD 7	3.726	Si
893	20.11	1.1	0	4,6,7	-45014	-14424	-88242	-167969	-53824	SLD 7	3.731	Si
922	20.11	1.1	0	4,6,7	-61059	-21958	-88112	-228174	-82054	SLD 7	3.737	Si
951	20.37	1.6	0	4,5,6,7	116043	-93173	-86350	434015	-348477	SLD 1	3.74	Si
980	27.42	2	0	4,5,6,7	143975	-115482	-86222	552923	-443497	SLD 1	3.84	Si
1000	20.11	2.4	0	5,6,7,8	-76148	100296	-64577	-311707	410552	SLD 1	4.093	Si
1029	17.8	2.4	0	5,6,7,8	124113	79763	-60415	515300	331168	SLD 9	4.152	Si
1058	16.08	1.1	0	8	-46113	47452	-65575	-191109	196659	SLD 3	4.144	Si
1087	16.08	1.1	0	8	-33143	32234	-65466	-137587	133814	SLD 3	4.151	Si
1116	16.08	1.1	0	8	-25686	17317	-65357	-106809	72009	SLD 3	4.158	Si
1145	16.08	1.1	0	8	26483	523	-65249	110306	2179	SLD 3	4.165	Si
1174	16.08	1.1	0	8	24823	-14848	-65140	103564	-61949	SLD 3	4.172	Si
1203	16.08	1.1	0	8	29665	-29978	-65031	123974	-125281	SLD 3	4.179	Si
1232	16.08	1.1	0	8	36562	-45247	-64922	153052	-189409	SLD 3	4.186	Si
1261	16.08	1.1	0	8	78839	-81127	-63598	321393	-330722	SLD 1	4.077	Si
1290	16.08	1.1	0	8	94459	-101171	-63490	368661	-394857	SLD 1	3.903	Si
1310	16.08	2.1	0	8,9	249070	47723	-40109	1229542	235588	SLD 15	4.937	Si
1339	16.08	2.1	0	8,9	202438	53776	-39155	1068066	283724	SLD 13	5.276	Si
1368	16.08	1.1	0	9	155990	39046	-39046	903790	226231	SLD 13	5.794	Si
1397	16.08	1.1	0	9	-5834	17510	-42582	-37236	111755	SLD 7	6.382	Si
1426	16.08	1.1	0	9	-773	6693	-42473	-4944	42828	SLD 7	6.399	Si
1455	16.08	1.1	0	9	3767	-3386	-42364	24167	-21723	SLD 7	6.415	Si
1484	16.08	1.1	0	9	-11912	-13413	-42255	-76615	-86270	SLD 7	6.432	Si
1513	16.08	1.1	0	9	50685	-52400	-41285	318722	-329506	SLD 1	6.288	Si
1542	16.08	1.1	0	9	67430	-75041	-41176	393859	-438311	SLD 1	5.841	Si
1571	16.08	1.1	0	9	84844	-97728	-41067	462245	-532437	SLD 1	5.448	Si
1600	16.08	1.1	0	9	-228441	-55130	-39024	-1163096	-280689	SLD 15	5.091	Si
1620	16.08	2.1	0	9,10,11	266437	26374	-18069	1753569	173584	SLD 13	6.582	Si
1649	16.08	2.1	0	9,10,11	206833	28577	-17963	1641531	226803	SLD 13	7.936	Si
1678	16.08	1.1	0	10,11	123196	48420	-17803	1179058	463408	SLD 9	9.571	Si
1707	16.08	1.1	0	10,11	74646	42245	-17695	848328	480103	SLD 9	11.365	Si
1736	16.08	1.1	0	10,11	26235	36086	-19683	325341	447510	SLD 3	12.401	Si
1765	16.08	1.1	0	10,11	-28133	44795	-19163	-339411	540414	SLD 11	12.064	Si
1794	16.08	1.1	0	10,11	-95302	49177	-17925	-983342	507418	SLD 15	10.318	Si
1823	16.08	1.1	0	10,11	-159164	42229	-17310	-1412959	374886	SLD 13	8.877	Si
1852	16.08	1.1	0	10,11	-219805	44469	-17201	-1584372	320539	SLD 13	7.208	Si
1881	16.08	1.1	0	10,11	-280509	46716	-17093	-1651041	274963	SLD 13	5.886	Si
1910	16.08	1.1	0	10,11	-341244	48965	-16984	-1676470	240557	SLD 13	4.913	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-216	-183217	SLU 19	15366	46282	47128	2.1	213.94	2905	-203133	SLU 46	15029	41611	43157	2.15	14.32	Si
-111	5X/2Y Ø8/10	-216	-183086	SLU 19	15366	46282	47175	2.1	213.94	2905	-202964	SLU 46	15029	42579	42581	2.2	14.66	Si
-81	5X/2Y Ø8/10	-216	-182954	SLU 19	15366	46282	47223	2.1	213.94	2905	-202792	SLU 46	15029	42579	42647	2.2	14.66	Si
-52	5X/2Y Ø8/10	-216	-182822	SLU 19	15366	46282	47271	2.1	213.94	2905	-202620	SLU 46	15029	42579	42714	2.2	14.66	Si
-22	5X/2Y Ø8/15	-216	-182689	SLU 19	15366	36732	42036	2.5	169.79	2905	-202448	SLU 46	15029	32257	39159	2.5	11.1	Si
7	5X/2Y Ø8/15	-216	-182557	SLU 19	15366	36732	42078	2.5	169.79	2905	-202276	SLU 46	15029	32257	39220	2.5	11.1	Si
36	5X/2Y Ø8/15	-216	-182425	SLU 19	15366	36732	42121	2.5	169.79	2905	-202104	SLU 46	15029	32257	39281	2.5	11.1	Si
66	5X/2Y Ø8/15	-216	-182292	SLU 19	15366	36732	42164	2.5	169.79	2905	-201931	SLU 46	15029	32257	39342	2.5	11.1	Si
95	5X/2Y Ø8/15	-216	-182160	SLU 19	15366	36732	42206	2.5	169.79	2905	-201759	SLU 46	15029	32257	39403	2.5	11.1	Si
125	5X/2Y Ø8/15	-216	-182026	SLU 19	15366	36732	42249	2.5	169.79	2905	-201586	SLU 46	15029	32257	39464	2.5	11.1	Si
154	5X/2Y Ø8/15	-216	-181895	SLU 19	15366	36732	42291	2.5	169.79	2905	-201415	SLU 46	15029	32257	39524	2.5	11.1	Si
184	5X/2Y Ø8/15	-216	-181763	SLU 19	15366	36732	42334	2.5	169.79	2905	-201243	SLU 46	15029	32257	39585	2.5	11.1	Si
213	5X/2Y Ø8/15	-216	-181633	SLU 19	15366	36732	42376	2.5	169.79	2905	-201074	SLU 46	15029	32257	39645	2.5	11.1	Si
242	5X/2Y Ø8/10	-216	-181498	SLU 19	15366	46282	47751	2.1	213.94	2905	-200899	SLU 46	15029	42579	43378	2.2	14.66	Si
272	5X/2Y Ø8/10	-216	-181366	SLU 19	15366	46282	47799	2.1	213.94	2905	-200727	SLU 46	15029	42579	43445	2.2	14.66	Si
301	5X/2Y Ø8/10	-216	-181234	SLU 19	15366	46282	47847	2.1	213.94	2905	-200555	SLU 46	15029	42579	43511	2.2	14.66	Si
331	5X/2Y Ø8/10	-216	-181101	SLU 19	15366	46282	47895	2.1	213.94	2905	-200383	SLU 46	15029	42579	43577	2.2	14.66	Si
360	5X/2Y Ø8/10	-216	-180971	SLU 19	15366	46282	47942	2.1	213.94	2905	-200214	SLU 46	15029	42579	43643	2.2	14.66	Si
380	5X/2Y Ø8/10	-1054	-176982	SLU 49	15366	47384	48653	2.15	44.95	-2080	-165932	SLU 45	15029	48385	52066	2.5	23.26	Si
409	5X/2Y Ø8/10	-1054	-176812	SLU 49	15366	47384	48714	2.15	44.95	-2080	-165762	SLU 45	15029	48385	52126	2.5	23.26	Si
438	5X/2Y Ø8/10	-1054	-176642	SLU 49	15366	47384	48774	2.15	44.95	-2080	-165592	SLU 45	15029	48385	52186	2.5	23.26	Si
467	5X/2Y Ø8/14.4	-1079	-160644	SLU 23	15366	38145	49134	2.5	35.35	-2080	-165423	SLU 45	15029	33497	52245	2.5	16.1	Si
496	5X/2Y Ø8/14.4	-1079	-160514	SLU 23	15366	38145	49176	2.5	35.35	-2080	-165253	SLU 45	15029	33497	52305	2.5	16.1	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
525	5X/2Y Ø8/14.4	-1079	-160383	SLU 23	15366	38145	49218	2.5	35.35	-2080	-165084	SLU 45	15029	33497	52365	2.5	16.1	Si
554	5X/2Y Ø8/14.4	-1079	-160253	SLU 23	15366	38145	49260	2.5	35.35	-2080	-164914	SLU 45	15029	33497	52425	2.5	16.1	Si
583	5X/2Y Ø8/14.4	-1079	-160122	SLU 23	15366	38145	49302	2.5	35.35	-2080	-164744	SLU 45	15029	33497	52485	2.5	16.1	Si
612	5X/2Y Ø8/10	-1054	-175624	SLU 49	15366	47384	49138	2.15	44.95	-2080	-164575	SLU 45	15029	48385	52545	2.5	23.26	Si
641	5X/2Y Ø8/10	-1054	-175455	SLU 49	15366	47384	49198	2.15	44.95	-2080	-164405	SLU 45	15029	48385	52605	2.5	23.26	Si
670	5X/2Y Ø8/10	-1052	-175764	SLU 51	15366	47384	49088	2.15	45.05	-2080	-164235	SLU 45	15029	48385	52665	2.5	23.26	Si
690	5X/2Y Ø8/10	-956	-127723	SLU 23	15366	51792	52691	2.35	54.18	-736	-140515	SLU 49	15029	48385	55356	2.5	65.77	Si
719	5X/2Y Ø8/10	-956	-127594	SLU 23	15366	51792	52691	2.35	54.18	-736	-140348	SLU 49	15029	48385	55356	2.5	65.77	Si
748	5X/2Y Ø8/10	-956	-127464	SLU 23	15366	51792	52691	2.35	54.18	-736	-140179	SLU 49	15029	48385	55356	2.5	65.77	Si
777	5X/2Y Ø8/14.4	-956	-127333	SLU 23	15366	38145	50429	2.5	39.9	-736	-140009	SLU 49	15029	33497	55356	2.5	45.54	Si
806	5X/2Y Ø8/14.4	-956	-127203	SLU 23	15366	38145	50429	2.5	39.9	-736	-139839	SLU 49	15029	33497	55356	2.5	45.54	Si
835	5X/2Y Ø8/14.4	-956	-127072	SLU 23	15366	38145	50429	2.5	39.9	-736	-139670	SLU 49	15029	33497	55356	2.5	45.54	Si
864	5X/2Y Ø8/14.4	-956	-126942	SLU 23	15366	38145	50429	2.5	39.9	-736	-139500	SLU 49	15029	33497	55356	2.5	45.54	Si
893	5X/2Y Ø8/14.4	-956	-126811	SLU 23	15366	38145	50429	2.5	39.9	-736	-139330	SLU 49	15029	33497	55356	2.5	45.54	Si
922	5X/2Y Ø8/10	-956	-126681	SLU 23	15366	51792	52691	2.35	54.18	-736	-139161	SLU 49	15029	48385	55356	2.5	65.77	Si
951	5X/2Y Ø8/10	-956	-126550	SLU 23	15366	51792	52691	2.35	54.18	-736	-138991	SLU 49	15029	48385	55356	2.5	65.77	Si
980	5X/2Y Ø8/10	-956	-126422	SLU 23	15366	51792	52691	2.35	54.18	-736	-138824	SLU 49	15029	48385	55356	2.5	65.77	Si
1000	4X/2Y Ø8/10	-859	-94781	SLU 23	12805	42315	43268	2.4	49.25	-904	-104451	SLU 49	12600	39534	45230	2.5	43.72	Si
1029	4X/2Y Ø8/10	-859	-94672	SLU 23	12805	42315	43268	2.4	49.25	-904	-104310	SLU 49	12600	39534	45230	2.5	43.72	Si
1058	4X/2Y Ø8/10	-859	-94564	SLU 23	12805	42315	43268	2.4	49.25	-904	-104168	SLU 49	12600	39534	45230	2.5	43.72	Si
1087	4X/2Y Ø8/14.4	-859	-94455	SLU 23	12805	30516	42024	2.5	35.52	-904	-104027	SLU 49	12600	27370	45230	2.5	30.27	Si
1116	4X/2Y Ø8/14.4	-859	-94346	SLU 23	12805	30516	42024	2.5	35.52	-904	-103886	SLU 49	12600	27370	45230	2.5	30.27	Si
1145	4X/2Y Ø8/14.4	-859	-94237	SLU 23	12805	30516	42024	2.5	35.52	-904	-103744	SLU 49	12600	27370	45230	2.5	30.27	Si
1174	4X/2Y Ø8/14.4	-859	-94129	SLU 23	12805	30516	42024	2.5	35.52	-904	-103603	SLU 49	12600	27370	45230	2.5	30.27	Si
1203	4X/2Y Ø8/14.4	-859	-94020	SLU 23	12805	30516	42024	2.5	35.52	-904	-103462	SLU 49	12600	27370	45230	2.5	30.27	Si
1232	4X/2Y Ø8/10	-859	-93911	SLU 23	12805	42315	43268	2.4	49.25	-904	-103320	SLU 49	12600	39534	45230	2.5	43.72	Si
1261	4X/2Y Ø8/10	-859	-93802	SLU 23	12805	42315	43268	2.4	49.25	-904	-103179	SLU 49	12600	39534	45230	2.5	43.72	Si
1290	4X/2Y Ø8/10	-859	-93694	SLU 23	12805	42315	43268	2.4	49.25	-904	-103037	SLU 49	12600	39534	45230	2.5	43.72	Si
1310	4X/2Y Ø8/10	-1023	-62854	SLU 25	12805	42315	42949	2.4	41.36	-1030	-69041	SLU 49	12600	39534	45230	2.5	38.39	Si
1339	4X/2Y Ø8/10	-1023	-62748	SLU 25	12805	42315	42935	2.4	41.36	-1030	-68902	SLU 49	12600	39534	45230	2.5	38.39	Si
1368	4X/2Y Ø8/10	-1023	-62639	SLU 25	12805	42315	42920	2.4	41.36	-1030	-68761	SLU 49	12600	39534	45230	2.5	38.39	Si
1397	4X/2Y Ø8/14.4	-1023	-62530	SLU 25	12805	30516	41673	2.5	29.83	-1030	-68619	SLU 49	12600	27370	45230	2.5	26.58	Si
1426	4X/2Y Ø8/14.4	-1023	-62421	SLU 25	12805	30516	41659	2.5	29.83	-1030	-68478	SLU 49	12600	27370	45230	2.5	26.58	Si
1455	4X/2Y Ø8/14.4	-1023	-62313	SLU 25	12805	30516	41645	2.5	29.83	-1030	-68337	SLU 49	12600	27370	45230	2.5	26.58	Si
1484	4X/2Y Ø8/14.4	-1023	-62204	SLU 25	12805	30516	41631	2.5	29.83	-1030	-68195	SLU 49	12600	27370	45230	2.5	26.58	Si
1513	4X/2Y Ø8/14.4	-1023	-62095	SLU 25	12805	30516	41617	2.5	29.83	-1030	-68054	SLU 49	12600	27370	45230	2.5	26.58	Si
1542	4X/2Y Ø8/10	-1023	-61986	SLU 25	12805	42315	42834	2.4	41.36	-1030	-67912	SLU 49	12600	39534	45230	2.5	38.39	Si
1571	4X/2Y Ø8/10	-1023	-61878	SLU 25	12805	42315	42819	2.4	41.36	-1030	-67771	SLU 49	12600	39534	45230	2.5	38.39	Si
1600	4X/2Y Ø8/10	-1023	-61769	SLU 25	12805	42315	42805	2.4	41.36	-1030	-67630	SLU 49	12600	39534	45230	2.5	38.39	Si
1620	4X/2Y Ø8/10	248	-20413	SLU 31	8847	38789	39600	2.2	156.61	-1692	-33796	SLU 49	10133	39534	40869	2.5	23.36	Si
1649	4X/2Y Ø8/10	248	-20274	SLU 31	8829	38789	39581	2.2	156.61	-1692	-33657	SLU 49	10115	39534	40849	2.5	23.36	Si
1678	4X/2Y Ø8/10	248	-20132	SLU 31	8812	38789	39561	2.2	156.61	-1692	-33516	SLU 49	10096	39534	40830	2.5	23.36	Si
1707	4X/2Y Ø8/14.4	248	-19991	SLU 31	8794	30516	36194	2.5	123.21	-1692	-33374	SLU 49	10077	27370	40810	2.5	16.17	Si
1736	4X/2Y Ø8/14.4	248	-19850	SLU 31	8777	30516	36176	2.5	123.21	-1692	-33233	SLU 49	10058	27370	40791	2.5	16.17	Si
1765	4X/2Y Ø8/14.4	248	-19708	SLU 31	8759	30516	36158	2.5	123.21	-1692	-33091	SLU 49	10039	27370	40771	2.5	16.17	Si
1794	4X/2Y Ø8/14.4	248	-19567	SLU 31	8741	30516	36140	2.5	123.21	-1692	-32950	SLU 49	10020	27370	40752	2.5	16.17	Si
1823	4X/2Y Ø8/14.4	248	-19425	SLU 31	8724	30516	36121	2.5	123.21	-1692	-32809	SLU 49	10001	27370	40732	2.5	16.17	Si
1852	4X/2Y Ø8/10	248	-19284	SLU 31	8706	38789	39441	2.2	156.61	-1692	-32667	SLU 49	9982	39534	40712	2.5	23.36	Si
1881	4X/2Y Ø8/10	248	-19143	SLU 31	8689	38789	39422	2.2	156.61	-1692	-32526	SLU 49	9963	39534	40693	2.5	23.36	Si
1910	4X/2Y Ø8/10	248	-19001	SLU 31	8671	38789	39402	2.2	156.61	-1692	-32385	SLU 49	9944	39534	40673	2.5	23.36	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-780	-125270	SLV 5	15366	51792	52691	2.35	66.4	4604	-145278	SLV 3	15029	48385	55356	2.5	10.51	Si
-111	5X/2Y Ø8/10	-780	-125140	SLV 5	15366	51792	52691	2.35	66.4	4604	-145148	SLV 3	15029	48385	55356	2.5	10.51	Si
-81	5X/2Y Ø8/10	-780	-125008	SLV 5	15366	51792	52691	2.35	66.4	4604	-145016	SLV 3	15029	48385	55356	2.5	10.51	Si
-52	5X/2Y Ø8/10	-780	-124875	SLV 5	15366	51792	52691	2.35	66.4	4604	-144883	SLV 3	15029	48385	55356	2.5	10.51	Si
-22	5X/2Y Ø8/15	-780	-124743	SLV 5	15366	36732	50429	2.5	47.09	4604	-144751	SLV 3	15029	32257	55356	2.5	7.01	Si
7	5X/2Y Ø8/15	-780	-124611	SLV 5	15366	36732	50429	2.5	47.09	4604	-144619	SLV 3	15029	32257	55356	2.5	7.01	Si
36	5X/2Y Ø8/15	-780	-124478	SLV 5	15366	36732	50429	2.5	47.09	4604	-144486	SLV 3	15029	32257	55356	2.5	7.01	Si
66	5X/2Y Ø8/15	-780	-124346	SLV 5	15366	36732	50429	2.5	47.09	4604	-144354	SLV 3	15029	32257	55356	2.5	7.01	Si
95	5X/2Y Ø8/15	-780	-124214	SLV 5	15366	36732	50429	2.5	47.09	4604	-144222	SLV 3	15029	32257	55356	2.5	7.01	Si
125	5X/2Y Ø8/15	-780	-124080	SLV 5	15366	36732	50429	2.5	47.09	4604	-144088	SLV 3	15029	32257	55356	2.5	7.01	Si
154	5X/2Y Ø8/15	-780	-123949	SLV 5	15366	36732	50429	2.5	47.09	4604	-143957	SLV 3	15029	32257	55356	2.5	7.01	Si
184	5X/2Y Ø8/15	-780	-123817	SLV 5	15366	36732	50429	2.5	47.09	4604	-143824	SLV 3	15029	32257	55356	2.5	7.01	Si
213	5X/2Y Ø8/15	-780	-123686	SLV 5	15366	36732	50429	2.5	47.09	4604	-143694	SLV 3	15029	32257	55356	2.5	7.01	Si
242	5X/2Y Ø8/10	-780	-123552	SLV 5	15366	51792	52691	2.35	66.4	4604	-143560	SLV 3	15029	48385	55356	2.5	10.51	Si
272	5X/2Y Ø8/10	-780	-123419	SLV 5	15366	51792	52691	2.35	66.4	4604	-143427	SLV 3	15029	48385	55356	2.5	10.51	Si
301	5X/2Y Ø8/10	-780	-123287	SLV 5	15366	51792	52691	2.35	66.4	4604	-143295	SLV 3	15029	48385	55356	2.5	10.51	Si
331	5X/2Y Ø8/10	-780	-123155	SLV 5	15366	51792	52691	2.35	66.4	4604	-143163	SLV 3	15029	48385	55356	2.5	10.51	Si
360	5X/2Y Ø8/10	-780	-123025	SLV 5	15366	51792	52691	2.35	66.4	4604	-143033	SLV 3	15029	48385	55356	2.5	10.51	Si
380	5X/2Y Ø8/10	-1542	-102290	SLV 5	15366	51792	52691	2.35	33.6	-3203	-102996	SLV 15	15029	48385	55356	2.5	15.1	Si
409	5X/2Y Ø8/10	-1542	-102159	SLV 5	15366	51792	52691	2.35	33.6	-3203	-102866	SLV 15	15029	48385	55356	2.5	15.1	Si
438	5X/2Y Ø8/10	-1542	-102029	SLV 5	15366	51792	52691	2.35	33.6	-3203	-102735	SLV 15	15029	48385	55356	2.5	15.1	Si
467	5X/2Y Ø8/14.4	-1542	-101898	SLV 5	15366	38145	50429	2.5	24.74	-3203	-102605	SLV 15	15029	33497	55356	2.5	10.46	Si
496	5X/2Y Ø8/14.4	-1542	-101768	SLV 5	15366	38145	50429	2.5	24.74	-3203	-102474	SLV 15	15029	33497	55356	2.5	10.46	Si
525	5X/2Y Ø8/14.4	-1542	-101637	SLV 5	15366	38145	50429	2.5	24.74	-3203	-102344	SLV 15	15029	33497	55356	2.5	10.46	Si
554	5X/2Y Ø8/14.4	-1542	-101507	SLV 5	15366	38145	50429	2.5	24.74	-3203	-102213	SLV 15	15029	33497	55356	2.5	10.46	Si
583	5X/2Y Ø8/14.4	-1542	-101376	SLV 5	15366	38145	50429	2.5	24.74	-3203	-102083	SLV 15	15029	33497	55356	2.5	10.46	Si
612	5X/2Y Ø8/10	-1542	-101246	SLV 5	15366	51792	52691	2.35	33.6	-3203	-101952	SLV 15	15029	48385	55356	2.5	15.1	Si
641	5X/2Y Ø8/10	-1542	-101115	SLV 5	15366	51792	52691	2.35	33.6	-3203	-101822	SLV 15	15029	48385	55356	2.5	15.1	Si
670	5X/2Y Ø8/10	-1542	-100985	SLV 5	15366	51792	52691	2.35	33.6	-3203	-101691	SLV 15	15029	48385	55356	2.5	15.1	Si
690	5X/2Y Ø8/10	-1460	-80794	SLV 5	15366	51792	52691	2.35	35.48	-3690	-81314	SLV 15	15029	48385	55356	2.5	13.11	Si
719	5X/2Y Ø8/10	-1460	-80665	SLV 5	15366	51792	52691	2.35	35.48	-3690	-81186	SLV 15	15029	48385	55356	2.5	13.11	Si
748	5X/2Y Ø8/10	-1460	-80535	SLV 5	15366	51792	52691	2.35	35.48	-3690	-81055	SLV 15	15029	48385	55356	2.5	13.11	Si
777	5X/2Y Ø8/14.4	-1460	-80404	SLV 5	15366	38145	50429	2.5	26.13	-3690	-80925	SLV 15	15029	33497	55356	2.5	9.08	Si
806	5X/2Y Ø8/14.4	-1460	-80274	SLV 5	15366	38145	50429	2.5	26.13	-3690	-80794	SLV 15	15029	33497	55356	2.5	9.08	Si
835	5X/2Y Ø8/14.4	-1460	-80143	SLV 5	15366	38145	50429	2.5	26.13	-3690	-80664	SLV 15	15029	33497	55356	2.5	9.08	Si
864	5X/2Y Ø8/14.4	-1460	-80013	SLV 5	15366	38145	50429	2.5	26.13	-3690	-80533	SLV 15	15029	33497	55356	2.5	9.08	Si
893	5X/2Y Ø8/14.4	-1460	-79882	SLV 5	15366	38145	50429	2.5	26.13	-3690	-80403	SLV 15	15029	33497	55356	2.5	9.08	Si
922	5X/2Y Ø8/10	-1460	-79752	SLV 5	15366	51792	52691	2.35	35.48	-3690	-80272	SLV 15	15029	48385	55356	2.5	13.11	Si
951	5X/2Y Ø8/10	-1460	-79621	SLV 5	15366	51792	52691	2.35	35.48	-3690	-80142	SLV 15	15029	48385	55356	2.5	13.11	Si
980	5X/2Y Ø8/10	-1460	-79493	SLV 5	15366	51792	52691	2.35	35.48	-3690	-80014	SLV 15	15029	48385	55356	2.5	13.11	Si
1000	4X/2Y Ø8/10	-1273	-59470	SLV 5	12805	42315	42500	2.4	33.24	-2983	-59902	SLV 15	12600	39534	44487	2.5	13.25	Si
1029	4X/2Y Ø8/10	-1273	-59361	SLV 5	12805	42315	42486	2.4	33.24	-2983	-59793	SLV 15	12600	39534	44472	2.5	13.25	Si
1058	4X/2Y Ø8/10	-1273	-59253	SLV 5	12805	42315	42471	2.4	33.24	-2983	-59684	SLV 15	12600	39534	44457	2.5	13.25	Si
1087	4X/2Y Ø8/14.4	-1273	-59144	SLV 5	12805	30516	41237	2.5	23.97	-2983	-59575	SLV 15	12600	27370	44442	2.5	9.18	Si
1116	4X/2Y Ø8/14.4	-1273	-59035	SLV 5	12805	30516	41223	2.5	23.97	-2983	-59467	SLV 15	12600	27370	44427	2.5	9.18	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1145	4X/2Y Ø8/14.4	-1273	-58926	SLV 5	12805	30516	41209	2.5	23.97	-2983	-59358	SLV 15	12600	27370	44412	2.5	9.18	Si
1174	4X/2Y Ø8/14.4	-1273	-58818	SLV 5	12805	30516	41195	2.5	23.97	-2983	-59249	SLV 15	12600	27370	44397	2.5	9.18	Si
1203	4X/2Y Ø8/14.4	-1273	-58709	SLV 5	12805	30516	41181	2.5	23.97	-2983	-59140	SLV 15	12600	27370	44382	2.5	9.18	Si
1232	4X/2Y Ø8/10	-1273	-58600	SLV 5	12805	42315	42385	2.4	33.24	-2983	-59032	SLV 15	12600	39534	44367	2.5	13.25	Si
1261	4X/2Y Ø8/10	-1273	-58491	SLV 5	12805	42315	42370	2.4	33.24	-2983	-58923	SLV 15	12600	39534	44352	2.5	13.25	Si
1290	4X/2Y Ø8/10	-1273	-58383	SLV 5	12805	42315	42356	2.4	33.24	-2983	-58814	SLV 15	12600	39534	44337	2.5	13.25	Si
1310	4X/2Y Ø8/10	-1314	-38495	SLV 5	11098	40552	40908	2.3	30.87	-3309	-38935	SLV 15	10822	39534	41581	2.5	11.95	Si
1339	4X/2Y Ø8/10	-1314	-38388	SLV 5	11085	40552	40893	2.3	30.87	-3309	-38828	SLV 15	10807	39534	41566	2.5	11.95	Si
1368	4X/2Y Ø8/10	-1314	-38279	SLV 5	11071	40552	40878	2.3	30.87	-3309	-38719	SLV 15	10793	39534	41551	2.5	11.95	Si
1397	4X/2Y Ø8/14.4	-1314	-38170	SLV 5	11058	30516	38536	2.5	23.23	-3309	-38610	SLV 15	10778	27370	41536	2.5	8.27	Si
1426	4X/2Y Ø8/14.4	-1314	-38061	SLV 5	11044	30516	38522	2.5	23.23	-3309	-38502	SLV 15	10764	27370	41521	2.5	8.27	Si
1455	4X/2Y Ø8/14.4	-1314	-37953	SLV 5	11030	30516	38508	2.5	23.23	-3309	-38393	SLV 15	10749	27370	41506	2.5	8.27	Si
1484	4X/2Y Ø8/14.4	-1314	-37844	SLV 5	11017	30516	38494	2.5	23.23	-3309	-38284	SLV 15	10735	27370	41491	2.5	8.27	Si
1513	4X/2Y Ø8/14.4	-1314	-37735	SLV 5	11003	30516	38480	2.5	23.23	-3309	-38175	SLV 15	10720	27370	41476	2.5	8.27	Si
1542	4X/2Y Ø8/10	-1314	-37626	SLV 5	10990	40552	40789	2.3	30.87	-3309	-38067	SLV 15	10705	39534	41461	2.5	11.95	Si
1571	4X/2Y Ø8/10	-1314	-37518	SLV 5	10976	40552	40775	2.3	30.87	-3309	-37958	SLV 15	10691	39534	41446	2.5	11.95	Si
1600	4X/2Y Ø8/10	-1314	-37409	SLV 5	10963	40552	40760	2.3	30.87	-3309	-37849	SLV 15	10676	39534	41431	2.5	11.95	Si
1620	4X/2Y Ø8/10	804	-20647	SLV 11	8876	38789	39633	2.2	48.26	-3880	-16748	SLV 13	7849	38743	39069	2.45	9.99	Si
1649	4X/2Y Ø8/10	804	-20540	SLV 11	8863	38789	39618	2.2	48.26	-3880	-16641	SLV 13	7835	38743	39054	2.45	9.99	Si
1678	4X/2Y Ø8/10	804	-20432	SLV 11	8849	38789	39603	2.2	48.26	-3880	-16533	SLV 13	7820	38743	39039	2.45	9.99	Si
1707	4X/2Y Ø8/14.4	804	-20323	SLV 11	8836	30516	36237	2.5	37.96	-3880	-16424	SLV 13	7805	27370	38461	2.5	7.05	Si
1736	4X/2Y Ø8/14.4	804	-20214	SLV 11	8822	30516	36223	2.5	37.96	-3880	-16315	SLV 13	7791	27370	38446	2.5	7.05	Si
1765	4X/2Y Ø8/14.4	804	-20105	SLV 11	8809	30516	36209	2.5	37.96	-3880	-16206	SLV 13	7776	27370	38431	2.5	7.05	Si
1794	4X/2Y Ø8/14.4	804	-19997	SLV 11	8795	30516	36195	2.5	37.96	-3880	-16098	SLV 13	7762	27370	38415	2.5	7.05	Si
1823	4X/2Y Ø8/14.4	804	-19888	SLV 11	8781	30516	36181	2.5	37.96	-3880	-15989	SLV 13	7747	27370	38400	2.5	7.05	Si
1852	4X/2Y Ø8/10	804	-19779	SLV 11	8768	38789	39511	2.2	48.26	-3880	-15880	SLV 13	7733	38743	38947	2.45	9.99	Si
1881	4X/2Y Ø8/10	804	-19670	SLV 11	8754	38789	39496	2.2	48.26	-3880	-15771	SLV 13	7718	38743	38932	2.45	9.99	Si
1910	4X/2Y Ø8/10	804	-19562	SLV 11	8741	38789	39481	2.2	48.26	-3880	-15663	SLV 13	7703	38743	38917	2.45	9.99	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-338	-129773	SLD 5	19266	55098	50429	2.5	149.22	2226	-137643	SLD 3	19310	48385	55356	2.5	21.74	Si
-111	5X/2Y Ø8/10	-338	-129643	SLD 5	19266	55098	50429	2.5	149.22	2226	-137513	SLD 3	19310	48385	55356	2.5	21.74	Si
-81	5X/2Y Ø8/10	-338	-129510	SLD 5	19266	55098	50429	2.5	149.22	2226	-137380	SLD 3	19310	48385	55356	2.5	21.74	Si
-52	5X/2Y Ø8/10	-338	-129378	SLD 5	19266	55098	50429	2.5	149.22	2226	-137248	SLD 3	19310	48385	55356	2.5	21.74	Si
-22	5X/2Y Ø8/15	-338	-129246	SLD 5	19266	36732	50429	2.5	108.69	2226	-137116	SLD 3	19310	32257	55356	2.5	14.49	Si
7	5X/2Y Ø8/15	-338	-129113	SLD 5	19266	36732	50429	2.5	108.69	2226	-136983	SLD 3	19310	32257	55356	2.5	14.49	Si
36	5X/2Y Ø8/15	-338	-128981	SLD 5	19266	36732	50429	2.5	108.69	2226	-136851	SLD 3	19310	32257	55356	2.5	14.49	Si
66	5X/2Y Ø8/15	-338	-128849	SLD 5	19266	36732	50429	2.5	108.69	2226	-136718	SLD 3	19310	32257	55356	2.5	14.49	Si
95	5X/2Y Ø8/15	-338	-128716	SLD 5	19266	36732	50429	2.5	108.69	2226	-136586	SLD 3	19310	32257	55356	2.5	14.49	Si
125	5X/2Y Ø8/15	-338	-128583	SLD 5	19266	36732	50429	2.5	108.69	2226	-136452	SLD 3	19310	32257	55356	2.5	14.49	Si
154	5X/2Y Ø8/15	-338	-128452	SLD 5	19266	36732	50429	2.5	108.69	2226	-136321	SLD 3	19310	32257	55356	2.5	14.49	Si
184	5X/2Y Ø8/15	-338	-128319	SLD 5	19266	36732	50429	2.5	108.69	2226	-136189	SLD 3	19310	32257	55356	2.5	14.49	Si
213	5X/2Y Ø8/15	-338	-128189	SLD 5	19266	36732	50429	2.5	108.69	2226	-136059	SLD 3	19310	32257	55356	2.5	14.49	Si
242	5X/2Y Ø8/10	-338	-128054	SLD 5	19266	55098	50429	2.5	149.22	2226	-135924	SLD 3	19310	48385	55356	2.5	21.74	Si
272	5X/2Y Ø8/10	-338	-127922	SLD 5	19266	55098	50429	2.5	149.22	2226	-135792	SLD 3	19310	48385	55356	2.5	21.74	Si
301	5X/2Y Ø8/10	-338	-127790	SLD 5	19266	55098	50429	2.5	149.22	2226	-135660	SLD 3	19310	48385	55356	2.5	21.74	Si
331	5X/2Y Ø8/10	-338	-127657	SLD 5	19266	55098	50429	2.5	149.22	2226	-135527	SLD 3	19310	48385	55356	2.5	21.74	Si
360	5X/2Y Ø8/10	-338	-127527	SLD 5	19266	55098	50429	2.5	149.22	2226	-135397	SLD 3	19310	48385	55356	2.5	21.74	Si
380	5X/2Y Ø8/10	-966	-106068	SLD 5	19266	55098	50429	2.5	52.18	-1637	-106218	SLD 15	19310	48385	55356	2.5	29.57	Si
409	5X/2Y Ø8/10	-966	-105937	SLD 5	19266	55098	50429	2.5	52.18	-1637	-106087	SLD 15	19310	48385	55356	2.5	29.57	Si
438	5X/2Y Ø8/10	-966	-105807	SLD 5	19266	55098	50429	2.5	52.18	-1637	-105957	SLD 15	19310	48385	55356	2.5	29.57	Si
467	5X/2Y Ø8/14.4	-966	-105676	SLD 5	19266	38145	50429	2.5	39.47	-1637	-105826	SLD 15	19310	33497	55356	2.5	20.47	Si
496	5X/2Y Ø8/14.4	-966	-105546	SLD 5	19266	38145	50429	2.5	39.47	-1637	-105696	SLD 15	19310	33497	55356	2.5	20.47	Si
525	5X/2Y Ø8/14.4	-966	-105415	SLD 5	19266	38145	50429	2.5	39.47	-1637	-105565	SLD 15	19310	33497	55356	2.5	20.47	Si
554	5X/2Y Ø8/14.4	-966	-105285	SLD 5	19266	38145	50429	2.5	39.47	-1637	-105435	SLD 15	19310	33497	55356	2.5	20.47	Si
583	5X/2Y Ø8/14.4	-966	-105154	SLD 5	19266	38145	50429	2.5	39.47	-1637	-105304	SLD 15	19310	33497	55356	2.5	20.47	Si
612	5X/2Y Ø8/10	-966	-105024	SLD 5	19266	55098	50429	2.5	52.18	-1637	-105174	SLD 15	19310	48385	55356	2.5	29.57	Si
641	5X/2Y Ø8/10	-966	-104893	SLD 5	19266	55098	50429	2.5	52.18	-1637	-105043	SLD 15	19310	48385	55356	2.5	29.57	Si
670	5X/2Y Ø8/10	-966	-104763	SLD 5	19266	55098	50429	2.5	52.18	-1637	-104913	SLD 15	19310	48385	55356	2.5	29.57	Si
690	5X/2Y Ø8/10	-888	-83797	SLD 5	17999	55098	50429	2.5	56.81	-1631	-83842	SLD 15	17925	48385	55356	2.5	29.66	Si
719	5X/2Y Ø8/10	-888	-83669	SLD 5	17983	55098	50429	2.5	56.81	-1631	-83713	SLD 15	17908	48385	55356	2.5	29.66	Si
748	5X/2Y Ø8/10	-888	-83538	SLD 5	17967	55098	50429	2.5	56.81	-1631	-83583	SLD 15	17890	48385	55356	2.5	29.66	Si
777	5X/2Y Ø8/14.4	-888	-83408	SLD 5	17951	38145	50429	2.5	42.97	-1631	-83452	SLD 15	17872	33497	55356	2.5	20.54	Si
806	5X/2Y Ø8/14.4	-888	-83277	SLD 5	17934	38145	50429	2.5	42.97	-1631	-83322	SLD 15	17854	33497	55356	2.5	20.54	Si
835	5X/2Y Ø8/14.4	-888	-83147	SLD 5	17918	38145	50429	2.5	42.97	-1631	-83191	SLD 15	17836	33497	55356	2.5	20.54	Si
864	5X/2Y Ø8/14.4	-888	-83016	SLD 5	17902	38145	50429	2.5	42.97	-1631	-83061	SLD 15	17818	33497	55356	2.5	20.54	Si
893	5X/2Y Ø8/14.4	-888	-82886	SLD 5	17886	38145	50429	2.5	42.97	-1631	-82930	SLD 15	17801	33497	55356	2.5	20.54	Si
922	5X/2Y Ø8/10	-888	-82755	SLD 5	17870	55098	50429	2.5	56.81	-1631	-82800	SLD 15	17783	48385	55356	2.5	29.66	Si
951	5X/2Y Ø8/10	-888	-82625	SLD 5	17853	55098	50429	2.5	56.81	-1631	-82669	SLD 15	17765	48385	55356	2.5	29.66	Si
980	5X/2Y Ø8/10	-888	-82497	SLD 5	17837	55098	50429	2.5	56.81	-1631	-82541	SLD 15	17747	48385	55356	2.5	29.66	Si
1000	4X/2Y Ø8/10	-780	-61740	SLD 5	13992	44078	41571	2.5	53.27	-1440	-61738	SLD 15	13877	39534	44742	2.5	27.45	Si
1029	4X/2Y Ø8/10	-780	-61631	SLD 5	13978	44078	41557	2.5	53.25	-1440	-61629	SLD 15	13863	39534	44727	2.5	27.45	Si
1058	4X/2Y Ø8/10	-780	-61523	SLD 5	13965	44078	41543	2.5	53.23	-1440	-61520	SLD 15	13848	39534	44712	2.5	27.45	Si
1087	4X/2Y Ø8/14.4	-780	-61414	SLD 5	13951	30516	41529	2.5	39.1	-1440	-61412	SLD 15	13834	27370	44697	2.5	19.01	Si
1116	4X/2Y Ø8/14.4	-780	-61305	SLD 5	13938	30516	41515	2.5	39.1	-1440	-61303	SLD 15	13819	27370	44682	2.5	19.01	Si
1145	4X/2Y Ø8/14.4	-780	-61196	SLD 5	13924	30516	41501	2.5	39.1	-1440	-61194	SLD 15	13804	27370	44667	2.5	19.01	Si
1174	4X/2Y Ø8/14.4	-780	-61088	SLD 5	13911	30516	41487	2.5	39.1	-1440	-61085	SLD 15	13790	27370	44652	2.5	19.01	Si
1203	4X/2Y Ø8/14.4	-780	-60979	SLD 5	13897	30516	41473	2.5	39.1	-1440	-60977	SLD 15	13775	27370	44637	2.5	19.01	Si
1232	4X/2Y Ø8/10	-780	-60870	SLD 5	13884	44078	41459	2.5	53.12	-1440	-60868	SLD 15	13761	39534	44621	2.5	27.45	Si
1261	4X/2Y Ø8/10	-780	-60761	SLD 5	13870	44078	41445	2.5	53.1	-1440	-60759	SLD 15	13746	39534	44606	2.5	27.45	Si
1290	4X/2Y Ø8/10	-780	-60653	SLD 5	13857	44078	41431	2.5	53.09	-1440	-60650	SLD 15	13732	39534	44591	2.5	27.45	Si
1310	4X/2Y Ø8/10	-862	-40082	SLD 5	11296	44078	38782	2.5	44.97	-1638	-40109	SLD 15	10979	39534	41744	2.5	24.14	Si
1339	4X/2Y Ø8/10	-862	-39975	SLD 5	11282	44078	38768	2.5	44.95	-1638	-40002	SLD 15	10965	39534	41729	2.5	24.14	Si
1368	4X/2Y Ø8/10	-862	-39866	SLD 5	11269	44078	38754	2.5	44.93	-1638	-39894	SLD 15	10950	39534	41714	2.5	24.14	Si
1397	4X/2Y Ø8/14.4	-862	-39757	SLD 5	11255	30516	38740	2.5	35.38	-1638	-39785	SLD 15	10936	27370	41699	2.5	16.71	Si
1426	4X/2Y Ø8/14.4	-862	-39649	SLD 5	11242	30516	38726	2.5	35.38	-1638	-39676	SLD 15	10921	27370	41684	2.5	16.71	Si
1455	4X/2Y Ø8/14.4	-862	-39540	SLD 5	11228	30516	38712	2.5	35.38	-1638	-39567	SLD 15	10907	27370	41669	2.5	16.71	Si
1484	4X/2Y Ø8/14.4	-862	-39431	SLD 5	11215	30516	38698	2.5	35.38	-1638	-39459	SLD 15	10892	27370	41654	2.5	16.71	Si
1513	4X/2Y Ø8/14.4	-862	-39322	SLD 5	11201	30516	38684	2.5	35.38	-1638	-39350	SLD 15	10877	27370	41639	2.5	16.71	Si
1542	4X/2Y Ø8/10	-862	-39214	SLD 5	11187	44078	38670	2.5	44.84	-1638	-39241	SLD 15	10863	39534	41624	2.5	24.14	Si
1571	4X/2Y Ø8/10	-862	-39105	SLD 5	11174	44078	38656	2.5	44.82	-1638	-39132	SLD 15	10848	39534	41608	2.5	24.14	Si
1600	4X/2Y Ø8/10	-862	-38996	SLD 5	11160	44078	38642	2.5	44.8	-1638	-39024	SLD 15	10834	39534	41593	2.5	24.14	Si
1620	4X/2Y Ø8/10	323	-19704	SLD 11	8759	44078	36157	2.5	112.11	-2096	-18069	SLD 13	8026	39534	38689	2.5	18.45	Si
1649	4X/2Y Ø8/10	323	-19598	SLD 11	8745	44078	36144	2.5	112.07	-2096	-17963	SLD 13	8012	39534	38674	2.5	18.45	Si
1678	4X/2Y Ø8/10	323	-19489	SLD 11	8732	44078	36130	2.5	112.03	-2096	-17854	SLD 13	7997	39534	38659	2.5	18.44	Si
1707	4X/2Y Ø8/14.4	323	-19380	SLD 11	8718	30516	36116	2.5	94.62	-2096	-17745	SLD 13	7982	27370	38644	2.5	13.06	Si
1736	4X/2Y Ø8/14.4	323	-19271	SLD 11	8705	30516	36102	2.5	94.62	-2096	-17636	SLD 13	7968	27370	38629	2.5	13.06	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1765	4X/2Y Ø8/14.4	323	-19163	SLD 11	8691	30516	36088	2.5	94.62	-2096	-17528	SLD 13	7953	27370	38614	2.5	13.06	Si
1794	4X/2Y Ø8/14.4	323	-19054	SLD 11	8678	30516	36074	2.5	94.62	-2096	-17419	SLD 13	7939	27370	38599	2.5	13.06	Si
1823	4X/2Y Ø8/14.4	323	-18945	SLD 11	8664	30516	36060	2.5	94.62	-2096	-17310	SLD 13	7924	27370	38584	2.5	13.06	Si
1852	4X/2Y Ø8/10	323	-18836	SLD 11	8650	44078	36045	2.5	111.77	-2096	-17201	SLD 13	7910	39534	38568	2.5	18.4	Si
1881	4X/2Y Ø8/10	323	-18728	SLD 11	8637	44078	36031	2.5	111.72	-2096	-17093	SLD 13	7895	39534	38553	2.5	18.39	Si
1910	4X/2Y Ø8/10	323	-18619	SLD 11	8623	44078	36017	2.5	111.68	-2096	-16984	SLD 13	7880	39534	38538	2.5	18.38	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	-647353	13584	-144056	SLE RA 7	-100.5	-647353	13584	-144056	SLE RA 7	-1418.4	Si
-111	-589512	10492	-143926	SLE RA 7	-97.4	-589512	10492	-143926	SLE RA 7	-1380.9	Si
-81	-530671	7347	-143794	SLE RA 7	-94.2	-530671	7347	-143794	SLE RA 7	-1342.8	Si
-52	-471830	4201	-143661	SLE RA 7	-91.1	-373995	1169	-152116	SLE RA 13	-1305.2	Si
-22	-330540	-1656	-151984	SLE RA 13	-88.1	-330540	-1656	-151984	SLE RA 13	-1279.3	Si
7	-287084	-4480	-151852	SLE RA 13	-86.3	-287084	-4480	-151852	SLE RA 13	-1255.5	Si
36	-243628	-7304	-151719	SLE RA 13	-84.4	-243628	-7304	-151719	SLE RA 13	-1231.7	Si
66	-200173	-10128	-151587	SLE RA 13	-82.5	-200173	-10128	-151587	SLE RA 13	-1207.8	Si
95	-156717	-12953	-151455	SLE RA 13	-80.7	-156717	-12953	-151455	SLE RA 13	-1184	Si
125	-112827	-15805	-151321	SLE RA 13	-78.8	-112827	-15805	-151321	SLE RA 13	-1159.9	Si
154	-78932	-18542	-151257	SLE RA 12	-77.4	-78932	-18542	-151257	SLE RA 12	-1142.1	Si
184	-58657	-20569	-151125	SLE RA 12	-76.6	-58657	-20569	-151125	SLE RA 12	-1131.1	Si
213	-38686	-22566	-150995	SLE RA 12	-75.7	-38686	-22566	-150995	SLE RA 12	-1120.3	Si
242	60561	-27074	-150793	SLE RA 13	-77.1	60561	-27074	-150793	SLE RA 13	-1135.6	Si
272	104017	-29899	-150660	SLE RA 13	-79.4	104017	-29899	-150660	SLE RA 13	-1162.5	Si
301	234262	-33545	-142073	SLE RA 7	-81.8	147473	-32723	-150528	SLE RA 13	-1189.5	Si
331	293103	-36691	-141941	SLE RA 7	-84.8	293103	-36691	-141941	SLE RA 7	-1216.8	Si
360	350944	-39783	-141811	SLE RA 7	-87.7	350944	-39783	-141811	SLE RA 7	-1252.4	Si
380	265801	109439	-125248	SLE RA 13	-82.2	265801	109439	-125248	SLE RA 13	-1146	Si
409	229884	89447	-125118	SLE RA 13	-78.6	229884	89447	-125118	SLE RA 13	-1106.4	Si
438	193968	69454	-124987	SLE RA 13	-75	193968	69454	-124987	SLE RA 13	-1066.8	Si
467	158052	49462	-124857	SLE RA 13	-71.4	158052	49462	-124857	SLE RA 13	-1027.2	Si
496	122136	29470	-124726	SLE RA 13	-67.8	122136	29470	-124726	SLE RA 13	-987.6	Si
525	86219	9478	-124596	SLE RA 13	-64.2	86219	9478	-124596	SLE RA 13	-948	Si
554	50303	-10515	-124465	SLE RA 13	-62.6	50303	-10515	-124465	SLE RA 13	-927	Si
583	-19072	-28263	-124481	SLE RA 12	-62.7	-19072	-28263	-124481	SLE RA 12	-924.6	Si
612	-43189	-48277	-124350	SLE RA 12	-65.6	-43189	-48277	-124350	SLE RA 12	-955.5	Si
641	-67306	-68291	-124220	SLE RA 12	-68.5	-67306	-68291	-124220	SLE RA 12	-986.3	Si
670	-93362	-90484	-123943	SLE RA 13	-71.7	-93362	-90484	-123943	SLE RA 13	-1019.2	Si
690	55945	86398	-99676	SLE RA 12	-58	55945	86398	-99676	SLE RA 12	-820.5	Si
719	41978	69164	-99547	SLE RA 12	-55.7	41978	69164	-99547	SLE RA 12	-796.2	Si
748	27765	51627	-99417	SLE RA 12	-53.3	27765	51627	-99417	SLE RA 12	-771.4	Si
777	13553	34090	-99286	SLE RA 12	-51	13553	34090	-99286	SLE RA 12	-746.7	Si
806	-659	16554	-99156	SLE RA 12	-48.7	-659	16554	-99156	SLE RA 12	-722.9	Si
835	-18180	-1883	-98894	SLE RA 13	-48.1	-18180	-1883	-98894	SLE RA 13	-718.1	Si
864	-31962	-18861	-98764	SLE RA 13	-50.2	-31962	-18861	-98764	SLE RA 13	-740.3	Si
893	-45744	-35838	-98633	SLE RA 13	-52.4	-45744	-35838	-98633	SLE RA 13	-762.4	Si
922	-57509	-53593	-98634	SLE RA 12	-54.6	-57509	-53593	-98634	SLE RA 12	-785	Si
951	-71722	-71130	-98503	SLE RA 12	-56.7	-71722	-71130	-98503	SLE RA 12	-806.3	Si
980	-85689	-88364	-98375	SLE RA 12	-55.8	-85689	-88364	-98375	SLE RA 12	-788.9	Si
1000	87483	79739	-74240	SLE RA 12	-55.5	87483	79739	-74240	SLE RA 12	-769.2	Si
1029	69606	64163	-74131	SLE RA 12	-53.6	69606	64163	-74131	SLE RA 12	-752.4	Si
1058	51730	48588	-74022	SLE RA 12	-51.4	51730	48588	-74022	SLE RA 12	-731.4	Si
1087	33853	33012	-73913	SLE RA 12	-48.4	33853	33012	-73913	SLE RA 12	-699.4	Si
1116	15976	17437	-73805	SLE RA 12	-45.4	15976	17437	-73805	SLE RA 12	-667.3	Si
1145	-3249	2056	-73599	SLE RA 13	-42.7	-3249	2056	-73599	SLE RA 13	-638.8	Si
1174	-19777	-13715	-73587	SLE RA 12	-45.1	-19777	-13715	-73587	SLE RA 12	-664.6	Si
1203	-37654	-29290	-73478	SLE RA 12	-48	-37654	-29290	-73478	SLE RA 12	-694.7	Si
1232	-55531	-44866	-73370	SLE RA 12	-50.9	-55531	-44866	-73370	SLE RA 12	-724.9	Si
1261	-73408	-60442	-73261	SLE RA 12	-53.8	-73408	-60442	-73261	SLE RA 12	-755.1	Si
1290	-91285	-76017	-73152	SLE RA 12	-56.7	-91285	-76017	-73152	SLE RA 12	-785.2	Si
1310	114831	89447	-49281	SLE RA 12	-46.1	114831	89447	-49281	SLE RA 12	-613	Si
1339	94772	70666	-49174	SLE RA 12	-42.6	94772	70666	-49174	SLE RA 12	-575.8	Si
1368	74360	51556	-49065	SLE RA 12	-39	74360	51556	-49065	SLE RA 12	-537.9	Si
1397	53948	32446	-48956	SLE RA 12	-35.4	53948	32446	-48956	SLE RA 12	-500	Si
1426	33536	13336	-48847	SLE RA 12	-31.8	33536	13336	-48847	SLE RA 12	-462.2	Si
1455	13124	-5774	-48739	SLE RA 12	-29.5	13124	-5774	-48739	SLE RA 12	-436.6	Si
1484	-7288	-24884	-48630	SLE RA 12	-31.2	-7288	-24884	-48630	SLE RA 12	-451.4	Si
1513	-27699	-43994	-48521	SLE RA 12	-34.6	-27699	-43994	-48521	SLE RA 12	-487.4	Si
1542	-48111	-63104	-48412	SLE RA 12	-38.1	-48111	-63104	-48412	SLE RA 12	-523.4	Si
1571	-68523	-82215	-48304	SLE RA 12	-41.5	-68523	-82215	-48304	SLE RA 12	-559.4	Si
1600	-88935	-101325	-48195	SLE RA 12	-45	-88935	-101325	-48195	SLE RA 12	-595.4	Si
1620	162506	42033	-24139	SLE RA 10	-29.6	162208	39923	-24436	SLE RA 12	-384.3	Si
1649	129125	40216	-24329	SLE RA 12	-27.3	129125	40216	-24329	SLE RA 12	-357	Si
1678	95461	40513	-24220	SLE RA 12	-24.9	95461	40513	-24220	SLE RA 12	-329.1	Si
1707	61796	40810	-24112	SLE RA 12	-22.6	61796	40810	-24112	SLE RA 12	-301.3	Si
1736	28132	41107	-24003	SLE RA 12	-20.3	28132	41107	-24003	SLE RA 12	-273.5	Si
1765	-5532	41404	-23894	SLE RA 12	-18.7	-5532	41404	-23894	SLE RA 12	-254.6	Si
1794	-39196	41702	-23785	SLE RA 12	-21	-39196	41702	-23785	SLE RA 12	-281.2	Si
1823	-72860	41999	-23677	SLE RA 12	-23.2	-72860	41999	-23677	SLE RA 12	-307.8	Si
1852	-106524	42296	-23568	SLE RA 12	-25.5	-106524	42296	-23568	SLE RA 12	-334.4	Si
1881	-140188	42593	-23459	SLE RA 12	-27.8	-140188	42593	-23459	SLE RA 12	-361	Si
1910	-173853	42891	-23350	SLE RA 12	-30.1	-173853	42891	-23350	SLE RA 12	-387.6	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	-266997	-1062	-132630	SLE QP 2	-75.9	Si
-111	-247555	-2595	-132499	SLE QP 2	-75	Si
-81	-227777	-4155	-132367	SLE QP 2	-74.2	Si
-52	-207999	-5715	-132235	SLE QP 2	-73.3	Si
-22	-188221	-7275	-132102	SLE QP 2	-72.4	Si
7	-168443	-8835	-131970	SLE QP 2	-71.6	Si
36	-148664	-10395	-131838	SLE QP 2	-70.7	Si
66	-128886	-11955	-131705	SLE QP 2	-69.9	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
95	-109108	-13515	-131573	SLE QP 2	-69	Si
125	-89132	-15090	-131439	SLE QP 2	-68.1	Si
154	-69552	-16635	-131308	SLE QP 2	-67.3	Si
184	-49774	-18195	-131176	SLE QP 2	-66.4	Si
213	-30292	-19731	-131046	SLE QP 2	-65.6	Si
242	-10217	-21314	-130911	SLE QP 2	-64.7	Si
272	9561	-22874	-130779	SLE QP 2	-64.8	Si
301	29339	-24434	-130647	SLE QP 2	-65.8	Si
331	49117	-25994	-130514	SLE QP 2	-66.8	Si
360	68559	-27528	-130384	SLE QP 2	-67.8	Si
380	116397	96899	-108453	SLE QP 2	-66	Si
409	98132	79562	-108323	SLE QP 2	-63.5	Si
438	79867	62226	-108192	SLE QP 2	-61	Si
467	61603	44889	-108062	SLE QP 2	-58.4	Si
496	43338	27552	-107931	SLE QP 2	-55.9	Si
525	25073	10216	-107801	SLE QP 2	-53.4	Si
554	6808	-7121	-107670	SLE QP 2	-52.2	Si
583	-11457	-24458	-107540	SLE QP 2	-54	Si
612	-29721	-41795	-107409	SLE QP 2	-56.3	Si
641	-47986	-59131	-107279	SLE QP 2	-58.7	Si
670	-66251	-76468	-107148	SLE QP 2	-61.1	Si
690	32322	74482	-85682	SLE QP 2	-49.1	Si
719	23466	59609	-85554	SLE QP 2	-47.3	Si
748	14454	44475	-85423	SLE QP 2	-45.4	Si
777	5443	29341	-85293	SLE QP 2	-43.5	Si
806	-3569	14207	-85162	SLE QP 2	-42	Si
835	-12581	-927	-85032	SLE QP 2	-41.1	Si
864	-21592	-16061	-84901	SLE QP 2	-42.9	Si
893	-30604	-31195	-84771	SLE QP 2	-44.6	Si
922	-39615	-46329	-84640	SLE QP 2	-46.4	Si
951	-48627	-61463	-84510	SLE QP 2	-48	Si
980	-57483	-76337	-84382	SLE QP 2	-47.2	Si
1000	62599	68865	-63157	SLE QP 2	-46.6	Si
1029	49897	55396	-63049	SLE QP 2	-45.1	Si
1058	37194	41926	-62940	SLE QP 2	-43.3	Si
1087	24492	28456	-62831	SLE QP 2	-40.9	Si
1116	11790	14986	-62722	SLE QP 2	-38.5	Si
1145	-912	1516	-62614	SLE QP 2	-36.2	Si
1174	-13615	-11954	-62505	SLE QP 2	-38.2	Si
1203	-26317	-25423	-62396	SLE QP 2	-40.4	Si
1232	-39019	-38893	-62287	SLE QP 2	-42.7	Si
1261	-51721	-52363	-62179	SLE QP 2	-45	Si
1290	-64424	-65833	-62070	SLE QP 2	-47.3	Si
1310	83744	77288	-41077	SLE QP 2	-37.9	Si
1339	69302	61037	-40970	SLE QP 2	-35	Si
1368	54607	44502	-40861	SLE QP 2	-32.1	Si
1397	39912	27966	-40752	SLE QP 2	-29.2	Si
1426	25217	11431	-40644	SLE QP 2	-26.3	Si
1455	10521	-5105	-40535	SLE QP 2	-24.6	Si
1484	-4174	-21640	-40426	SLE QP 2	-25.9	Si
1513	-18869	-38176	-40317	SLE QP 2	-28.7	Si
1542	-33564	-54711	-40209	SLE QP 2	-31.4	Si
1571	-48259	-71247	-40100	SLE QP 2	-34.2	Si
1600	-62955	-87782	-39991	SLE QP 2	-37	Si
1620	121602	34609	-19093	SLE QP 2	-23.1	Si
1649	97063	34872	-18986	SLE QP 2	-21.4	Si
1678	72092	35141	-18877	SLE QP 2	-19.7	Si
1707	47122	35409	-18768	SLE QP 2	-17.9	Si
1736	22152	35678	-18660	SLE QP 2	-16.2	Si
1765	-2818	35946	-18551	SLE QP 2	-14.8	Si
1794	-27788	36215	-18442	SLE QP 2	-16.5	Si
1823	-52758	36483	-18333	SLE QP 2	-18.2	Si
1852	-77728	36752	-18225	SLE QP 2	-19.9	Si
1881	-102698	37021	-18116	SLE QP 2	-21.5	Si
1910	-127668	37289	-18007	SLE QP 2	-23.2	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

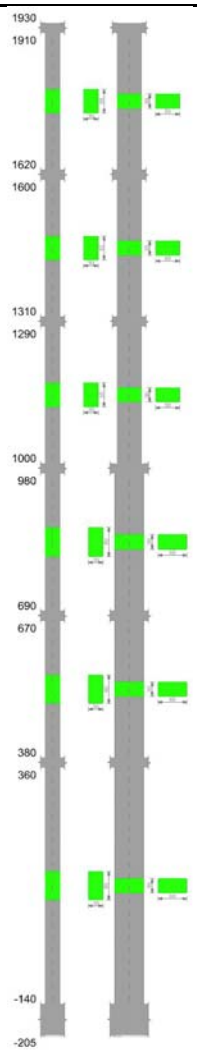
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 370 in quanto nodo interno a piastra.

Pilastro 3

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60	No	No	No	No		C30/37	B450C	
380	670	R 30x60	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	
1620	1910	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.10	-9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	-9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.11	-9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	-9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	-329640	-329640	-121526	-818158	-818158	SLU 52	2.482	Si
-111	20.11	2.2	0	1,2	-329182	-329182	-121357	-818158	-818158	SLU 52	2.485	Si
-81	20.11	1.1	0	2	-328715	-328715	-121185	-818158	-818158	SLU 52	2.489	Si
-52	20.11	1.1	0	2	-328248	-328248	-121013	-818158	-818158	SLU 52	2.492	Si
-22	20.11	1.1	0	2	-327781	-327781	-120841	-818158	-818158	SLU 52	2.496	Si
7	20.11	1.1	0	2	-327315	-327315	-120669	-818158	-818158	SLU 52	2.5	Si
36	20.11	1.1	0	2	-326848	-326848	-120497	-818158	-818158	SLU 52	2.503	Si
66	20.11	1.1	0	2	-326381	-326381	-120325	-818158	-818158	SLU 52	2.507	Si
95	20.11	1.1	0	2	325915	-325915	-120153	818158	-818158	SLU 52	2.51	Si
125	20.11	1.1	0	2	325443	-325443	-119979	818158	-818158	SLU 52	2.514	Si
154	20.11	1.1	0	2	324981	-324981	-119809	818158	-818158	SLU 52	2.518	Si
184	20.11	1.1	0	2	324514	-324514	-119637	818158	-818158	SLU 52	2.521	Si
213	20.11	1.1	0	2	324055	-324055	-119467	818158	-818158	SLU 52	2.525	Si
242	20.11	1.1	0	2	323581	-323581	-119293	818158	-818158	SLU 52	2.528	Si
272	20.11	1.1	0	2	323114	-323114	-119120	818158	-818158	SLU 52	2.532	Si
301	20.11	1.1	0	2	322648	-322648	-118948	818158	-818158	SLU 52	2.536	Si
331	20.11	1.1	0	2	322181	-322181	-118776	818158	-818158	SLU 52	2.539	Si
360	20.11	1.1	0	2	321722	-321722	-118607	818158	-818158	SLU 52	2.543	Si
380	20.11	2.2	0	2,3	-196928	196928	-98464	-647491	647491	SLU 52	3.288	Si
409	20.11	2.2	0	2,3	-196594	196594	-98297	-647491	647491	SLU 52	3.294	Si
438	20.11	1.1	0	3	-196255	196255	-98127	-647491	647491	SLU 52	3.299	Si
467	20.11	1.1	0	3	195916	195916	-97958	647491	647491	SLU 52	3.305	Si
496	20.11	1.1	0	3	195576	195576	-97788	647491	647491	SLU 52	3.311	Si
525	20.11	1.1	0	3	195237	195237	-97618	647491	647491	SLU 52	3.316	Si
554	20.11	1.1	0	3	194898	-194898	-97449	647491	-647491	SLU 52	3.322	Si
583	20.11	1.1	0	3	194558	-194558	-97279	647491	-647491	SLU 52	3.328	Si
612	20.11	1.1	0	3	194219	-194219	-97110	647491	-647491	SLU 52	3.334	Si
641	20.11	1.1	0	3	193880	-193880	-96940	647491	-647491	SLU 52	3.34	Si
670	20.11	1.1	0	3	193546	-193546	-96773	647491	-647491	SLU 52	3.345	Si
690	20.11	2.2	0	3,4,6,7	-155307	155307	-77653	-647491	647491	SLU 52	4.169	Si
719	20.11	2.2	0	3,4,6,7	-154967	154967	-77484	-647491	647491	SLU 52	4.178	Si
748	20.11	1.1	0	4,6,7	-154628	154628	-77314	-647491	647491	SLU 52	4.187	Si
777	20.11	1.1	0	4,6,7	-154289	154289	-77144	-647491	647491	SLU 52	4.197	Si
806	20.11	1.1	0	4,6,7	153950	153950	-76975	647491	647491	SLU 52	4.206	Si
835	20.11	1.1	0	4,6,7	153610	-153610	-76805	647491	-647491	SLU 52	4.215	Si
864	20.11	1.1	0	4,6,7	153271	-153271	-76635	647491	-647491	SLU 52	4.224	Si
893	20.11	1.1	0	4,6,7	152932	-152932	-76466	647491	-647491	SLU 52	4.234	Si
922	20.11	1.1	0	4,6,7	152592	-152592	-76296	647491	-647491	SLU 52	4.243	Si
951	20.37	1.6	0	4,5,6,7	152253	-152253	-76127	649217	-649217	SLU 52	4.264	Si
980	27.42	2	0	4,5,6,7	151914	-165505	-75957	686107	-747492	SLU 52	4.516	Si
1000	20.11	2.4	0	5,6,7,8	-114522	151261	-57261	-529336	699148	SLU 52	4.622	Si
1029	17.8	2.4	0	5,6,7,8	-114244	120596	-57122	-536990	566847	SLU 52	4.7	Si
1058	16.08	1.1	0	8	-113962	113962	-56981	-530708	530708	SLU 52	4.657	Si
1087	16.08	1.1	0	8	-113679	113679	-56839	-530708	530708	SLU 52	4.668	Si
1116	16.08	1.1	0	8	113396	113396	-56698	530708	530708	SLU 52	4.68	Si
1145	16.08	1.1	0	8	113113	-113113	-56557	530708	-530708	SLU 52	4.692	Si
1174	16.08	1.1	0	8	112831	-112831	-56415	530708	-530708	SLU 52	4.704	Si
1203	16.08	1.1	0	8	112548	-112548	-56274	530708	-530708	SLU 52	4.715	Si
1232	16.08	1.1	0	8	112265	-112265	-56133	530708	-530708	SLU 52	4.727	Si
1261	16.08	1.1	0	8	111982	-129025	-55991	518634	-597566	SLU 52	4.631	Si
1290	16.08	1.1	0	8	111700	-160228	-55850	495736	-711111	SLU 52	4.438	Si
1310	16.08	2.1	0	8,9	-74243	157600	-37122	-443599	941650	SLU 51	5.975	Si
1339	16.08	2.1	0	8,9	-75196	121631	-37598	-481797	779317	SLU 52	6.407	Si
1368	16.08	1.1	0	9	-74913	90208	-37457	-514512	619557	SLU 52	6.868	Si
1397	16.08	1.1	0	9	-74631	74631	-37315	-530708	530708	SLU 52	7.111	Si
1426	16.08	1.1	0	9	-74348	74348	-37174	-530708	530708	SLU 52	7.138	Si
1455	16.08	1.1	0	9	-74065	-74065	-37033	-530708	-530708	SLU 52	7.165	Si
1484	16.08	1.1	0	9	-73782	-73782	-36891	-530708	-530708	SLU 52	7.193	Si
1513	16.08	1.1	0	9	-73500	-73500	-36750	-530708	-530708	SLU 52	7.221	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1542	16.08	1.1	0	9	-73217	-98333	-36608	-503055	-675619	SLU 52	6.871	Si
1571	16.08	1.1	0	9	-72934	-129756	-36467	-469346	-835007	SLU 52	6.435	Si
1600	16.08	1.1	0	9	-71425	-165731	-35713	-429346	-996224	SLU 51	6.011	Si
1620	16.08	2.1	0	9,10,11	-101638	186356	-18363	-693888	1272264	SLU 51	6.827	Si
1649	16.08	2.1	0	9,10,11	-59515	145144	-18222	-516037	1258509	SLU 51	8.671	Si
1678	16.08	1.1	0	10,11	-36161	103932	-18081	-391931	1126460	SLU 51	10.838	Si
1707	16.08	1.1	0	10,11	36446	60371	-18223	478948	793361	SLU 52	13.141	Si
1736	16.08	1.1	0	10,11	67582	36163	-18082	930001	497642	SLU 52	13.761	Si
1765	16.08	1.1	0	10,11	110368	-35880	-17940	1363839	-443381	SLU 52	12.357	Si
1794	16.08	1.1	0	10,11	153153	-58645	-17799	1557682	-596464	SLU 52	10.171	Si
1823	16.08	1.1	0	10,11	193225	-102130	-17374	1510175	-798206	SLU 51	7.816	Si
1852	16.08	1.1	0	10,11	235349	-143342	-17232	1426412	-868773	SLU 51	6.061	Si
1881	16.08	1.1	0	10,11	277472	-184554	-17091	1333137	-886706	SLU 51	4.805	Si
1910	16.08	1.1	0	10,11	318869	-225056	-16952	1250445	-882556	SLU 51	3.921	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	-500045	-343806	-98360	-2.02	1.92	-1128846	-776139	SLV 11	2.257				Si
-111	20.11	2.2	0	1,2	-463762	-311191	-98230	-2.02	1.92	-1092975	-733403	SLV 11	2.357				Si
-81	20.11	1.1	0	2	51354	-377597	-106659	-2.02	1.92	126227	-928122	SLV 15	2.458				Si
-52	20.11	1.1	0	2	50208	-331683	-106527	-2.02	1.92	128495	-848864	SLV 15	2.559				Si
-22	20.11	1.1	0	2	49067	-285774	-106394	-2.02	1.92	130973	-762801	SLV 15	2.669				Si
7	20.11	1.1	0	2	47935	-239871	-106262	-2.02	1.92	133694	-669020	SLV 15	2.789				Si
36	20.11	1.1	0	2	46813	-193980	-106130	-2.02	1.92	136700	-566448	SLV 15	2.92				Si
66	20.11	1.1	0	2	45706	-148115	-105997	-2.02	1.92	140036	-453801	SLV 15	3.064				Si
95	20.11	1.1	0	2	44621	-102327	-105865	-2.02	1.92	138784	-318266	SLV 15	3.11				Si
125	20.11	1.1	0	2	-41552	-56486	-105731	-2.02	1.92	-129400	-175911	SLV 15	3.114				Si
154	20.11	1.1	0	2	-123007	-8537	-105600	-2.02	1.92	-383545	-26620	SLV 15	3.118				Si
184	20.11	1.1	0	2	-89199	36365	-105468	-2.02	1.92	-278480	113531	SLV 15	3.122				Si
213	20.11	1.1	0	2	-56494	81323	-105338	-2.02	1.92	-176591	254203	SLV 15	3.126				Si
242	20.11	1.1	0	2	-24747	127848	-105203	-2.02	1.92	-77454	400144	SLV 15	3.13				Si
272	20.11	1.1	0	2	1166	173726	-105071	-2.02	1.92	3562	530687	SLV 15	3.055				Si
301	20.11	1.1	0	2	30190	219623	-104939	-2.02	1.92	87220	634497	SLV 15	2.889				Si
331	20.11	1.1	0	2	31685	265529	-104806	-2.02	1.92	87625	734311	SLV 15	2.765				Si
360	20.11	1.1	0	2	31546	310660	-104676	-2.02	1.92	83763	824875	SLV 15	2.655				Si
380	20.11	2.2	0	2,3	105383	574018	-34019	-2.02	1.92	260365	1418195	SLV 1	2.471				Si
409	20.11	2.2	0	2,3	-84582	-322842	-85832	-2.02	1.92	-249409	-951971	SLV 15	2.949				Si
438	20.11	1.1	0	3	-67162	-246199	-85701	-2.02	1.92	-216270	-792795	SLV 15	3.22				Si
467	20.11	1.1	0	3	-50922	-169605	-85571	-2.02	1.92	-180451	-601024	SLV 15	3.544				Si
496	20.11	1.1	0	3	-36888	-93186	-85440	-2.02	1.92	-142158	-359122	SLV 15	3.854				Si
525	20.11	1.1	0	3	-26976	-16843	-85310	-2.02	1.92	-104120	-65007	SLV 15	3.86				Si
554	20.11	1.1	0	3	-5165	61719	-85179	-2.02	1.92	-19965	238582	SLV 15	3.866				Si
583	20.11	1.1	0	3	63895	137863	-85049	-2.02	1.92	234963	506968	SLV 15	3.677				Si
612	20.11	1.1	0	3	77115	214417	-84918	-2.02	1.92	257813	716843	SLV 15	3.343				Si
641	20.11	1.1	0	3	92953	291045	-84788	-2.02	1.92	284547	890947	SLV 15	3.061				Si
670	20.11	1.1	0	3	-58661	-529478	-32719	-2.02	1.92	-161773	-1460173	SLV 1	2.758				Si
690	20.11	2.2	0	3,4,6,7	94364	515950	-27449	-2.02	1.92	259227	1417371	SLV 1	2.747				Si
719	20.11	2.2	0	3,4,6,7	79882	409546	-27319	-2.02	1.92	275168	1410752	SLV 1	3.445				Si
748	20.11	1.1	0	4,6,7	-67226	-196804	-66173	-2.02	1.92	-275479	-806465	SLV 15	4.098				Si
777	20.11	1.1	0	4,6,7	-50482	-130647	-66042	-2.02	1.92	-230288	-595983	SLV 15	4.562				Si
806	20.11	1.1	0	4,6,7	-37925	-64917	-65912	-2.02	1.92	-189460	-324301	SLV 15	4.996				Si
835	20.11	1.1	0	4,6,7	28821	5289	-65781	-2.02	1.92	144267	26476	SLV 15	5.006				Si
864	20.11	1.1	0	4,6,7	56812	69656	-65651	-2.02	1.92	284940	349356	SLV 15	5.015				Si
893	20.11	1.1	0	4,6,7	71425	135568	-65520	-2.02	1.92	321226	609706	SLV 15	4.497				Si
922	20.11	1.1	0	4,6,7	89200	201755	-65390	-2.02	1.92	361641	817966	SLV 15	4.054				Si
951	20.37	1.6	0	4,5,6,7	-71255	-442516	-26275	-2.02	1.92	-231575	-1438149	SLV 1	3.25				Si
980	27.42	2	0	4,5,6,7	-86024	-548925	-26144	-2.02	1.92	-256131	-1634381	SLV 1	2.977				Si
1000	20.11	2.4	0	5,6,7,8	54602	453315	-20482	-2.02	1.92	155216	1288624	SLV 1	2.843				Si
1029	17.8	2.4	0	5,6,7,8	47473	363689	-20375	-2.02	1.92	159400	1221148	SLV 1	3.358				Si
1058	16.08	1.1	0	8	41480	272530	-20266	-2.02	1.92	176985	1162820	SLV 1	4.267				Si
1087	16.08	1.1	0	8	-38754	-105707	-47705	-2.02	1.92	-195980	-534564	SLV 15	5.057				Si
1116	16.08	1.1	0	8	-12900	-55425	-47596	-2.02	1.92	-73660	-316469	SLV 15	5.71				Si
1145	16.08	1.1	0	8	30426	3843	-47487	-2.02	1.92	174126	21994	SLV 15	5.723				Si
1174	16.08	1.1	0	8	50090	48879	-47379	-2.02	1.92	284064	277197	SLV 15	5.671				Si
1203	16.08	1.1	0	8	61392	99135	-47270	-2.02	1.92	309639	499998	SLV 15	5.044				Si
1232	16.08	1.1	0	8	-43602	-275804	-19614	-2.02	1.92	-183402	-1160110	SLV 1	4.206				Si
1261	16.08	1.1	0	8	-51232	-366961	-19505	-2.02	1.92	-163011	-1167595	SLV 1	3.182				Si
1290	16.08	1.1	0	8	-59459	-458159	-19396	-2.02	1.92	-139624	-1075862	SLV 1	2.348				Si
1310	16.08	2.1	0	8,9	60188	425997	-13450	-2.02	1.92	131885	933453	SLV 1	2.191				Si
1339	16.08	2.1	0	8,9	51018	342186	-13343	-2.02	1.92	152395	1022144	SLV 1	2.987				Si
1368	16.08	1.1	0	9	-23092	256946	-13234	-2.02	1.92	-107311	1194053	SLV 1	4.647				Si
1397	16.08	1.1	0	9	-24871	171809	-13126	-2.02	1.92	-168814	1166182	SLV 1	6.788				Si
1426	16.08	1.1	0	9	16255	-52386	-30341	-2.02	1.92	137617	-443512	SLV 15	8.466				Si
1455	16.08	1.1	0	9	33747	3072	-30232	-2.02	1.92	303374	27619	SLV 15	8.99				Si
1484	16.08	1.1	0	9	36893	41597	-30123	-2.02	1.92	314461	354551	SLV 15	8.524				Si
1513	16.08	1.1	0	9	-63610	-170828	-12691	-2.02	1.92	-392920	-1055204	SLV 1	6.177				Si
1542	16.08	1.1	0	9	-72133	-255948	-12582	-2.02	1.92	-302893	-1074744	SLV 1	4.199				Si
1571	16.08	1.1	0	9	-81811	-341183	-12473	-2.02	1.92	-228251	-951891	SLV 1	2.79				Si
1600	16.08	1.1	0	9	-92066	-424990	-12366	-2.02	1.92	-190426	-879031	SLV 1	2.068				Si
1620	16.08	2.1	0	9,10,11	-88748	440182	-6275	-2.02	1.92	-149738	742686	SLV 1	1.687				Si
1649	16.08	2.1	0	9,10,11	-58928	341678	-6167	-2.02	1.92	-135095	783308	SLV 1	2.293				Si
1678	16.08	1.1	0	10,11	-29337	243192	-6058	-2.02	1.92	-104508	866323	SLV 1	3.562				Si
1707	16.08	1.1	0	10,11	-9500	144768	-5949	-2.02	1.92	-71488	1089357	SLV 1	7.525				Si
1736	16.08	1.1	0	10,11	64855	-17896	-13631	-2.02	1.92	1009016	-278432	SLV 15	15.558				Si
1765	16.08	1.1	0	10,11	93432	32047	-13522	-2.02	1.92	1209937	415000	SLV 15	12.95				Si
1794	16.08	1.1	0	10,11	37164	-151283	-5623	-2.02	1.92	234860	-956033	SLV 1	6.319				Si
1823	16.08	1.1	0	10,11	126401	-249722	-5514	-2.02	1.92	360739	-712686	SLV 1	2.854				Si
1852	16.08	1.1	0	10,11	155932	-348211	-5405	-2.02	1.92	305363	-681905	SLV 1	1.958				Si
1881	16.08	1.1	0	10,11	185731	-446718	-5297	-2.02	1.92	276220	-664360	SLV 1	1.487				Si
1910	16.08	1.1	0	10,11	215146	-543533	-5190	-2.02	1.92	258781	-653768	SLV 1	1.203				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	-225078	-170535	-84223	-739792	-560520	SLD 11	3.287	Si
-111	20.11	2.2	0	1,2	-207328	-155332	-84092	-699699	-524221	SLD 11	3.375	Si
-81	20.11	1.1	0	2	-189277	-139866	-83960	-656667	-485244	SLD 11	3.469	Si
-52	20.11	1.1	0	2	-171235	-124402	-83828	-611182	-444022	SLD 11	3.569	Si
-22	20.11	1.1	0	2	-153204	-108939	-83695	-563036	-400359	SLD 11	3.675	Si
7	20.11	1.1	0	2	7422	-117783	-86987	28095	-445841	SLD 15	3.785	Si
36	20.11	1.1	0	2	10469	-97259	-86855	39687	-368713	SLD 15	3.791	Si
66	20.11	1.1	0	2	13524	-76751	-86722	51348	-291410	SLD 15	3.797	Si
95	20.11	1.1	0	2	16591	-56287	-86590	63089	-214037	SLD 15	3.803	Si
125	20.11	1.1	0	2	-13503	-35856	-86456	-51426	-136559	SLD 15	3.809	Si
154	20.11	1.1	0	2	-41789	-14217	-86325	-159395	-54229	SLD 15	3.814	Si
184	20.11	1.1	0	2	-25102	5860	-86193	-95893	22386	SLD 15	3.82	Si
213	20.11	1.1	0	2	-9025	25942	-86063	-34527	99253	SLD 15	3.826	Si
242	20.11	1.1	0	2	6408	46744	-85928	24556	179119	SLD 15	3.832	Si
272	20.11	1.1	0	2	19016	67261	-85796	72980	258136	SLD 15	3.838	Si
301	20.11	1.1	0	2	34931	87788	-85664	134266	337436	SLD 15	3.844	Si
331	20.11	1.1	0	2	38991	108321	-85531	150027	416796	SLD 15	3.848	Si
360	20.11	1.1	0	2	42404	128507	-85401	158934	481659	SLD 15	3.748	Si
380	20.11	2.2	0	2,3	42793	277962	-49515	186056	1208518	SLD 1	4.348	Si
409	20.11	2.2	0	2,3	-31618	-82812	-70336	-148017	-387674	SLD 15	4.681	Si
438	20.11	1.1	0	3	-23699	-63171	-70205	-111152	-296277	SLD 15	4.69	Si
467	20.11	1.1	0	3	-16404	-43559	-70075	-77078	-204675	SLD 15	4.699	Si
496	20.11	1.1	0	3	-10161	-24055	-69944	-47835	-113239	SLD 15	4.708	Si
525	20.11	1.1	0	3	-5608	-4635	-69814	-26451	-21860	SLD 15	4.716	Si
554	20.11	1.1	0	3	5693	16202	-69683	26902	76556	SLD 15	4.725	Si
583	20.11	1.1	0	3	40033	35549	-69553	189519	168291	SLD 15	4.734	Si
612	20.11	1.1	0	3	46434	55137	-69422	220238	261514	SLD 15	4.743	Si
641	20.11	1.1	0	3	53833	74770	-69292	255812	355300	SLD 15	4.752	Si
670	20.11	1.1	0	3	61677	94080	-69164	284963	434670	SLD 15	4.62	Si
690	20.11	2.2	0	3,4,6,7	35434	258424	-38809	177951	1297816	SLD 1	5.022	Si
719	20.11	2.2	0	3,4,6,7	31736	204669	-38678	182194	1174979	SLD 1	5.741	Si
748	20.11	1.1	0	4,6,7	-29310	-44565	-54813	-176068	-267707	SLD 15	6.007	Si
777	20.11	1.1	0	4,6,7	-21625	-31010	-54683	-130216	-186723	SLD 15	6.021	Si
806	20.11	1.1	0	4,6,7	-15535	-17711	-54552	-93768	-106903	SLD 15	6.036	Si
835	20.11	1.1	0	4,6,7	17947	-1822	-54422	108586	-11026	SLD 15	6.05	Si
864	20.11	1.1	0	4,6,7	31907	10772	-54291	193513	65328	SLD 15	6.065	Si
893	20.11	1.1	0	4,6,7	38573	24177	-54161	234503	146983	SLD 15	6.079	Si
922	20.11	1.1	0	4,6,7	46596	37749	-54030	283967	230051	SLD 15	6.094	Si
951	20.37	1.6	0	4,5,6,7	-18091	-225869	-37634	-101279	-1264499	SLD 1	5.598	Si
980	27.42	2	0	4,5,6,7	-21902	-279626	-37504	-115239	-1471278	SLD 1	5.262	Si
1000	20.11	2.4	0	5,6,7,8	18159	238423	-28261	92868	1219313	SLD 1	5.114	Si
1029	17.8	2.4	0	5,6,7,8	17460	191131	-28154	101331	1109224	SLD 1	5.803	Si
1058	16.08	1.1	0	8	17255	143032	-28045	115206	954972	SLD 1	6.677	Si
1087	16.08	1.1	0	8	-18916	-19228	-39926	-128757	-130877	SLD 15	6.807	Si
1116	16.08	1.1	0	8	-4920	-11779	-39818	-33582	-80399	SLD 15	6.825	Si
1145	16.08	1.1	0	8	17370	470	-39709	118880	3215	SLD 15	6.844	Si
1174	16.08	1.1	0	8	27421	5322	-39600	188189	36521	SLD 15	6.863	Si
1203	16.08	1.1	0	8	33209	12733	-39491	228538	87622	SLD 15	6.882	Si
1232	16.08	1.1	0	8	-8982	-146381	-27393	-60679	-988857	SLD 1	6.755	Si
1261	16.08	1.1	0	8	-9691	-194478	-27284	-55493	-1113612	SLD 1	5.726	Si
1290	16.08	1.1	0	8	-10726	-242598	-27175	-51990	-1175921	SLD 1	4.847	Si
1310	16.08	2.1	0	8,9	23877	231443	-18193	122389	1186338	SLD 1	5.126	Si
1339	16.08	2.1	0	8,9	19916	185779	-18087	125553	1171201	SLD 1	6.304	Si
1368	16.08	1.1	0	9	-15162	139335	-17978	-122029	1121444	SLD 1	8.049	Si
1397	16.08	1.1	0	9	-16283	92946	-17869	-167235	954617	SLD 1	10.271	Si
1426	16.08	1.1	0	9	3239	-12062	-25597	34388	-128067	SLD 15	10.617	Si
1455	16.08	1.1	0	9	11123	-6	-25488	118594	-65	SLD 15	10.663	Si
1484	16.08	1.1	0	9	11597	3041	-25380	124183	32566	SLD 15	10.708	Si
1513	16.08	1.1	0	9	-34150	-93742	-17434	-339111	-930852	SLD 1	9.93	Si
1542	16.08	1.1	0	9	-37540	-140115	-17325	-288741	-1077716	SLD 1	7.692	Si
1571	16.08	1.1	0	9	-41486	-186553	-17217	-250174	-1124989	SLD 1	6.03	Si
1600	16.08	1.1	0	9	-45745	-232215	-17110	-224597	-1140131	SLD 1	4.91	Si
1620	16.08	2.1	0	9,10,11	-71084	249504	-8353	-255409	896489	SLD 1	3.593	Si
1649	16.08	2.1	0	9,10,11	-44661	194054	-8244	-236817	1028987	SLD 1	5.303	Si
1678	16.08	1.1	0	10,11	-18313	138614	-8136	-155222	1174917	SLD 1	8.476	Si
1707	16.08	1.1	0	10,11	3350	83205	-8027	48348	1200799	SLD 1	14.432	Si
1736	16.08	1.1	0	10,11	52787	6327	-11192	1056111	126592	SLD 11	20.007	Si
1765	16.08	1.1	0	10,11	74094	7011	-11444	1312046	124141	SLD 15	17.708	Si
1794	16.08	1.1	0	10,11	65461	-83426	-7701	705589	-899238	SLD 1	10.779	Si
1823	16.08	1.1	0	10,11	116081	-138842	-7592	704431	-842552	SLD 1	6.068	Si
1852	16.08	1.1	0	10,11	142364	-194284	-7483	560916	-765482	SLD 1	3.94	Si
1881	16.08	1.1	0	10,11	168758	-249735	-7374	483910	-716109	SLD 1	2.867	Si
1910	16.08	1.1	0	10,11	194749	-304234	-7268	439002	-685803	SLD 1	2.254	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	210	-96361	SLU 38	15366	51792	52691	2.35	247.05	358	-96361	SLU 38	15029	48385	55356	2.5	135.21	Si
-111	5X/2Y Ø8/10	210	-96192	SLU 38	15366	51792	52691	2.35	247.05	358	-96192	SLU 38	15029	48385	55356	2.5	135.21	Si
-81	5X/2Y Ø8/10	210	-96019	SLU 38	15366	51792	52691	2.35	247.05	358	-96019	SLU 38	15029	48385	55356	2.5	135.21	Si
-52	5X/2Y Ø8/10	210	-95847	SLU 38	15366	51792	52691	2.35	247.05	358	-95847	SLU 38	15029	48385	55356	2.5	135.21	Si
-22	5X/2Y Ø8/15	210	-95675	SLU 38	15366	36732	50429	2.5	175.21	358	-95675	SLU 38	15029	32257	55356	2.5	90.14	Si
7	5X/2Y Ø8/15	210	-95503	SLU 38	15366	36732	50429	2.5	175.21	358	-95503	SLU 38	15029	32257	55356	2.5	90.14	Si
36	5X/2Y Ø8/15	210	-95331	SLU 38	15366	36732	50429	2.5	175.21	358	-95331	SLU 38	15029	32257	55356	2.5	90.14	Si
66	5X/2Y Ø8/15	210	-95159	SLU 38	15366	36732	50429	2.5	175.21	358	-95159	SLU 38	15029	32257	55356	2.5	90.14	Si
95	5X/2Y Ø8/15	210	-94987	SLU 38	15366	36732	50429	2.5	175.21	358	-94987	SLU 38	15029	32257	55356	2.5	90.14	Si
125	5X/2Y Ø8/15	210	-94813	SLU 38	15366	36732	50429	2.5	175.21	358	-94813	SLU 38	15029	32257	55356	2.5	90.14	Si
154	5X/2Y Ø8/15	210	-94643	SLU 38	15366	36732	50429	2.5	175.21	358	-94643	SLU 38	15029	32257	55356	2.5	90.14	Si
184	5X/2Y Ø8/15	210	-94471	SLU 38	15366	36732	50429	2.5	175.21	358	-94471	SLU 38	15029	32257	55356	2.5	90.14	Si
213	5X/2Y Ø8/15	210	-94301	SLU 38	15366	36732	50429	2.5	175.21	358	-94301	SLU 38	15029	32257	55356	2.5	90.14	Si
242	5X/2Y Ø8/10	210	-94127	SLU 38	15366	51792	52691	2.35	247.05	358	-94127	SLU 38	15029	48385	55356	2.5	135.21	Si
272	5X/2Y Ø8/10	210	-93955	SLU 38	15366	51792	52691	2.35	247.05	358	-93955	SLU 38	15029	48385	55356	2.5	135.21	Si
301	5X/2Y Ø8/10	210	-93783	SLU 38	15366	51792	52691	2.35	247.05	358	-93783	SLU 38	15029	48385	55356	2.5	135.21	Si
331	5X/2Y Ø8/10	210	-93611	SLU 38	15366	51792	52691	2.35	247.05	358	-93611	SLU 38	15029	48385	55356	2.5	135.21	Si
360	5X/2Y Ø8/10	210	-93442	SLU 38	15366	51792	52691	2.35	247.05	358	-93442	SLU 38	15029	48385	55356	2.5	135.21	Si
380	5X/2Y Ø8/10	-956	-96303	SLU 49	15366	51792	52691	2.35	54.19	351	-79667	SLU 39	15029	48385	55356	2.5	137.84	Si
409	5X/2Y Ø8/10	-956	-96136	SLU 49	15366	51792	52691	2.35	54.19	351	-79500	SLU 39	15029	48385	55356	2.5	137.84	Si
438	5X/2Y Ø8/10	-956	-95966	SLU 49	15366	51792	52691	2.35	54.19	351	-79330	SLU 39	15029	48385	55356	2.5	137.84	Si
467	5X/2Y Ø8/14.4	-956	-95797	SLU 49	15366	38145	50429	2.5	39.91	351	-79161	SLU 39	15029	33497	55356	2.5	95.43	Si
496	5X/2Y Ø8/14.4	-956	-95627	SLU 49	15366	38145	50429	2.5	39.91	351	-78991	SLU 39	15029	33497	55356	2.5	95.43	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
525	5X/2Y Ø8/14.4	-956	-95457	SLU 49	15366	38145	50429	2.5	39.91	351	-78821	SLU 39	15029	33497	55356	2.5	95.43	Si
554	5X/2Y Ø8/14.4	-956	-95288	SLU 49	15366	38145	50429	2.5	39.91	351	-78652	SLU 39	15029	33497	55356	2.5	95.43	Si
583	5X/2Y Ø8/14.4	-956	-95118	SLU 49	15366	38145	50429	2.5	39.91	351	-78482	SLU 39	15029	33497	55356	2.5	95.43	Si
612	5X/2Y Ø8/10	-956	-94949	SLU 49	15366	51792	52691	2.35	54.19	351	-78313	SLU 39	15029	48385	55356	2.5	137.84	Si
641	5X/2Y Ø8/10	-956	-94779	SLU 49	15366	51792	52691	2.35	54.19	351	-78143	SLU 39	15029	48385	55333	2.5	137.84	Si
670	5X/2Y Ø8/10	-956	-94612	SLU 49	15366	51792	52691	2.35	54.19	351	-77976	SLU 39	15029	48385	55309	2.5	137.84	Si
690	5X/2Y Ø8/10	-1134	-76169	SLU 51	15366	51792	52403	2.35	45.67	418	-63325	SLU 39	15029	48385	53238	2.5	115.85	Si
719	5X/2Y Ø8/10	-1134	-75999	SLU 51	15366	51792	52380	2.35	45.67	418	-63155	SLU 39	15029	48385	53214	2.5	115.85	Si
748	5X/2Y Ø8/10	-1134	-75830	SLU 51	15366	51792	52357	2.35	45.67	418	-62986	SLU 39	15029	48385	53190	2.5	115.85	Si
777	5X/2Y Ø8/14.4	-1134	-75660	SLU 51	15366	38145	50088	2.5	33.64	418	-62816	SLU 39	15029	33497	53166	2.5	80.2	Si
806	5X/2Y Ø8/14.4	-1134	-75491	SLU 51	15366	38145	50066	2.5	33.64	418	-62647	SLU 39	15029	33497	53142	2.5	80.2	Si
835	5X/2Y Ø8/14.4	-1134	-75321	SLU 51	15366	38145	50044	2.5	33.64	418	-62477	SLU 39	15005	33497	53118	2.5	80.2	Si
864	5X/2Y Ø8/14.4	-1134	-75151	SLU 51	15366	38145	50022	2.5	33.64	418	-62307	SLU 39	14982	33497	53094	2.5	80.2	Si
893	5X/2Y Ø8/14.4	-1134	-74982	SLU 51	15366	38145	50001	2.5	33.64	418	-62138	SLU 39	14959	33497	53070	2.5	80.2	Si
922	5X/2Y Ø8/10	-1134	-74812	SLU 51	15366	51792	52220	2.35	45.67	418	-61968	SLU 39	14936	48385	53046	2.5	115.85	Si
951	5X/2Y Ø8/10	-1134	-74642	SLU 51	15366	51792	52197	2.35	45.67	418	-61798	SLU 39	14913	48385	53022	2.5	115.85	Si
980	5X/2Y Ø8/10	-1134	-74473	SLU 51	15366	51792	52174	2.35	45.67	418	-61629	SLU 39	14889	48385	52998	2.5	115.85	Si
1000	4X/2Y Ø8/10	-1142	-56248	SLU 51	12805	41434	42696	2.35	36.27	371	-47277	SLU 39	11940	39534	42737	2.5	106.65	Si
1029	4X/2Y Ø8/10	-1142	-56109	SLU 51	12805	41434	42678	2.35	36.27	371	-47138	SLU 39	11921	39534	42718	2.5	106.65	Si
1058	4X/2Y Ø8/10	-1142	-55968	SLU 51	12805	41434	42659	2.35	36.27	371	-46997	SLU 39	11902	39534	42699	2.5	106.65	Si
1087	4X/2Y Ø8/14.4	-1142	-55826	SLU 51	12805	30516	40810	2.5	26.71	371	-46855	SLU 39	11883	27370	42679	2.5	73.83	Si
1116	4X/2Y Ø8/14.4	-1142	-55685	SLU 51	12805	30516	40791	2.5	26.71	371	-46714	SLU 39	11864	27370	42659	2.5	73.83	Si
1145	4X/2Y Ø8/14.4	-1142	-55544	SLU 51	12805	30516	40773	2.5	26.71	371	-46573	SLU 39	11845	27370	42640	2.5	73.83	Si
1174	4X/2Y Ø8/14.4	-1142	-55402	SLU 51	12805	30516	40755	2.5	26.71	371	-46431	SLU 39	11826	27370	42620	2.5	73.83	Si
1203	4X/2Y Ø8/14.4	-1142	-55261	SLU 51	12805	30516	40737	2.5	26.71	371	-46290	SLU 39	11807	27370	42601	2.5	73.83	Si
1232	4X/2Y Ø8/10	-1142	-55120	SLU 51	12805	41434	42545	2.35	36.27	371	-46148	SLU 39	11788	39534	42581	2.5	106.65	Si
1261	4X/2Y Ø8/10	-1142	-54978	SLU 51	12805	41434	42526	2.35	36.27	371	-46007	SLU 39	11769	39534	42561	2.5	106.65	Si
1290	4X/2Y Ø8/10	-1142	-54837	SLU 51	12805	41434	42506	2.35	36.27	371	-45866	SLU 39	11751	39534	42542	2.5	106.65	Si
1310	4X/2Y Ø8/10	-1119	-37122	SLU 51	10927	40552	40720	2.3	36.25	171	-31674	SLU 37	9849	39534	40575	2.5	230.97	Si
1339	4X/2Y Ø8/10	-1119	-36983	SLU 51	10910	40552	40701	2.3	36.25	171	-31535	SLU 37	9830	39534	40555	2.5	230.97	Si
1368	4X/2Y Ø8/10	-1119	-36841	SLU 51	10892	40552	40682	2.3	36.25	171	-31394	SLU 37	9811	39534	40536	2.5	230.97	Si
1397	4X/2Y Ø8/14.4	-1119	-36700	SLU 51	10875	30516	38346	2.5	27.28	171	-31253	SLU 37	9792	27370	40516	2.5	159.9	Si
1426	4X/2Y Ø8/14.4	-1119	-36559	SLU 51	10857	30516	38328	2.5	27.28	171	-31111	SLU 37	9773	27370	40497	2.5	159.9	Si
1455	4X/2Y Ø8/14.4	-1119	-36417	SLU 51	10839	30516	38310	2.5	27.28	171	-30970	SLU 37	9755	27370	40477	2.5	159.9	Si
1484	4X/2Y Ø8/14.4	-1119	-36276	SLU 51	10822	30516	38292	2.5	27.28	171	-30828	SLU 37	9736	27370	40457	2.5	159.9	Si
1513	4X/2Y Ø8/14.4	-1119	-36134	SLU 51	10804	30516	38273	2.5	27.28	171	-30687	SLU 37	9717	27370	40438	2.5	159.9	Si
1542	4X/2Y Ø8/10	-1116	-35653	SLU 49	10744	39671	41127	2.25	35.55	171	-30546	SLU 37	9698	39534	40418	2.5	230.97	Si
1571	4X/2Y Ø8/10	-1119	-35852	SLU 51	10769	39671	41154	2.25	35.46	171	-30404	SLU 37	9679	39534	40399	2.5	230.97	Si
1600	4X/2Y Ø8/10	-1119	-35713	SLU 51	10752	39671	41135	2.25	35.46	171	-30265	SLU 37	9660	39534	40379	2.5	230.97	Si
1620	4X/2Y Ø8/10	-1425	-18042	SLU 49	8552	38789	39267	2.2	27.22	1475	-18647	SLU 52	8103	38743	39336	2.45	26.26	Si
1649	4X/2Y Ø8/10	-1425	-17901	SLU 49	8534	38789	39247	2.2	27.22	1475	-18506	SLU 52	8084	38743	39316	2.45	26.26	Si
1678	4X/2Y Ø8/10	-1425	-17760	SLU 49	8516	38789	39227	2.2	27.22	1475	-18364	SLU 52	8065	38743	39297	2.45	26.26	Si
1707	4X/2Y Ø8/14.4	-1425	-17618	SLU 49	8499	30516	35889	2.5	21.42	1475	-18223	SLU 52	8046	27370	38710	2.5	18.55	Si
1736	4X/2Y Ø8/14.4	-1425	-17477	SLU 49	8481	30516	35870	2.5	21.42	1475	-18082	SLU 52	8028	27370	38690	2.5	18.55	Si
1765	4X/2Y Ø8/14.4	-1425	-17335	SLU 49	8464	30516	35852	2.5	21.42	1475	-17940	SLU 52	8009	27370	38671	2.5	18.55	Si
1794	4X/2Y Ø8/14.4	-1425	-17194	SLU 49	8446	30516	35834	2.5	21.42	1475	-17799	SLU 52	7990	27370	38651	2.5	18.55	Si
1823	4X/2Y Ø8/14.4	-1425	-17053	SLU 49	8428	30516	35816	2.5	21.42	1475	-17657	SLU 52	7971	27370	38632	2.5	18.55	Si
1852	4X/2Y Ø8/10	-1425	-16911	SLU 49	8411	38789	39108	2.2	27.22	1475	-17516	SLU 52	7952	38743	39177	2.45	26.26	Si
1881	4X/2Y Ø8/10	-1425	-16770	SLU 49	8393	38789	39088	2.2	27.22	1475	-17375	SLU 52	7933	38743	39157	2.45	26.26	Si
1910	4X/2Y Ø8/10	-1425	-16631	SLU 49	8376	38789	39068	2.2	27.22	1475	-17236	SLU 52	7914	38743	39138	2.45	26.26	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	1561	-106922	SLV 15	15366	51792	52691	2.35	33.17	1623	-81941	SLV 7	15029	48385	55356	2.5	29.81	Si
-111	5X/2Y Ø8/10	1561	-106791	SLV 15	15366	51792	52691	2.35	33.17	1623	-81811	SLV 7	15029	48385	55356	2.5	29.81	Si
-81	5X/2Y Ø8/10	1561	-106659	SLV 15	15366	51792	52691	2.35	33.17	1623	-81678	SLV 7	15029	48385	55356	2.5	29.81	Si
-52	5X/2Y Ø8/10	1561	-106527	SLV 15	15366	51792	52691	2.35	33.17	1623	-81546	SLV 7	15029	48385	55356	2.5	29.81	Si
-22	5X/2Y Ø8/15	1561	-106394	SLV 15	15366	36732	50429	2.5	23.52	1623	-81414	SLV 7	15029	32257	55356	2.5	19.87	Si
7	5X/2Y Ø8/15	1561	-106262	SLV 15	15366	36732	50429	2.5	23.52	1623	-81281	SLV 7	15029	32257	55356	2.5	19.87	Si
36	5X/2Y Ø8/15	1561	-106130	SLV 15	15366	36732	50429	2.5	23.52	1623	-81149	SLV 7	15029	32257	55356	2.5	19.87	Si
66	5X/2Y Ø8/15	1561	-105997	SLV 15	15366	36732	50429	2.5	23.52	1623	-81017	SLV 7	15029	32257	55356	2.5	19.87	Si
95	5X/2Y Ø8/15	1561	-105865	SLV 15	15366	36732	50429	2.5	23.52	1623	-80884	SLV 7	15029	32257	55356	2.5	19.87	Si
125	5X/2Y Ø8/15	1561	-105731	SLV 15	15366	36732	50429	2.5	23.52	1623	-80751	SLV 7	15029	32257	55356	2.5	19.87	Si
154	5X/2Y Ø8/15	1561	-105600	SLV 15	15366	36732	50429	2.5	23.52	1623	-80619	SLV 7	15029	32257	55356	2.5	19.87	Si
184	5X/2Y Ø8/15	1561	-105468	SLV 15	15366	36732	50429	2.5	23.52	1623	-80487	SLV 7	15029	32257	55356	2.5	19.87	Si
213	5X/2Y Ø8/15	1561	-105338	SLV 15	15366	36732	50429	2.5	23.52	1623	-80357	SLV 7	15029	32257	55356	2.5	19.87	Si
242	5X/2Y Ø8/10	1561	-105203	SLV 15	15366	51792	52691	2.35	33.17	1623	-80222	SLV 7	15029	48385	55356	2.5	29.81	Si
272	5X/2Y Ø8/10	1561	-105071	SLV 15	15366	51792	52691	2.35	33.17	1623	-80090	SLV 7	15029	48385	55356	2.5	29.81	Si
301	5X/2Y Ø8/10	1561	-104939	SLV 15	15366	51792	52691	2.35	33.17	1623	-79958	SLV 7	15029	48385	55356	2.5	29.81	Si
331	5X/2Y Ø8/10	1561	-104806	SLV 15	15366	51792	52691	2.35	33.17	1623	-79825	SLV 7	15029	48385	55356	2.5	29.81	Si
360	5X/2Y Ø8/10	1561	-104676	SLV 15	15366	51792	52691	2.35	33.17	1623	-79695	SLV 7	15029	48385	55356	2.5	29.81	Si
380	5X/2Y Ø8/10	-3817	-34019	SLV 1	11802	48486	48860	2.2	12.7	815	-78855	SLV 11	15029	48385	55356	2.5	59.39	Si
409	5X/2Y Ø8/10	-3817	-33891	SLV 1	11786	48486	48842	2.2	12.7	815	-78727	SLV 11	15029	48385	55356	2.5	59.39	Si
438	5X/2Y Ø8/10	-3817	-33760	SLV 1	11770	48486	48824	2.2	12.7	815	-78597	SLV 11	15029	48385	55356	2.5	59.39	Si
467	5X/2Y Ø8/14.4	-3817	-33630	SLV 1	11753	38145	44675	2.5	9.99	815	-78466	SLV 11	15029	33497	55356	2.5	41.12	Si
496	5X/2Y Ø8/14.4	-3817	-33499	SLV 1	11737	38145	44658	2.5	9.99	815	-78336	SLV 11	15029	33497	55356	2.5	41.12	Si
525	5X/2Y Ø8/14.4	-3817	-33369	SLV 1	11721	38145	44641	2.5	9.99	815	-78205	SLV 11	15029	33497	55342	2.5	41.12	Si
554	5X/2Y Ø8/14.4	-3817	-33238	SLV 1	11705	38145	44624	2.5	9.99	815	-78075	SLV 11	15029	33497	55323	2.5	41.12	Si
583	5X/2Y Ø8/14.4	-3817	-33108	SLV 1	11688	38145	44607	2.5	9.99	815	-77944	SLV 11	15029	33497	55305	2.5	41.12	Si
612	5X/2Y Ø8/10	-3817	-32977	SLV 1	11672	48486	48714	2.2	12.7	815	-77814	SLV 11	15029	48385	55286	2.5	59.39	Si
641	5X/2Y Ø8/10	-3817	-32847	SLV 1	11656	48486	48695	2.2	12.7	815	-77683	SLV 11	15029	48385	55268	2.5	59.39	Si
670	5X/2Y Ø8/10	-3817	-32719	SLV 1	11640	48486	48677	2.2	12.7	815	-77555	SLV 11	15029	48385	55250	2.5	59.39	Si
690	5X/2Y Ø8/10	-3671	-27449	SLV 1	10984	47384	48659	2.15	12.91	991	-60974	SLV 11	14800	48385	52905	2.5	48.83	Si
719	5X/2Y Ø8/10	-3671	-27319	SLV 1	10968	47384	48640	2.15	12.91	991	-60843	SLV 11	14782	48385	52887	2.5	48.83	Si
748	5X/2Y Ø8/10	-3671	-27188	SLV 1	10951	47384	48621	2.15	12.91	991	-60713	SLV 11	14764	48385	52868	2.5	48.83	Si
777	5X/2Y Ø8/14.4	-3671	-27058	SLV 1	10935	38145	43828	2.5	10.39	991	-60582	SLV 11	14746	33497	52850	2.5	33.81	Si
806	5X/2Y Ø8/14.4	-3671	-26927	SLV 1	10919	38145	43811	2.5	10.39	991	-60452	SLV 11	14729	33497	52832	2.5	33.81	Si
835	5X/2Y Ø8/14.4	-3671	-26797	SLV 1	10903	38145	43795	2.5	10.39	991	-60321	SLV 11	14711	33497	52813	2.5	33.81	Si
864	5X/2Y Ø8/14.4	-3671	-26666	SLV 1	10886	38145	43778	2.5	10.39	991	-60191	SLV 11	14693	33497	52795	2.5	33.81	Si
893	5X/2Y Ø8/14.4	-3671	-26536	SLV 1	10870	38145	43761	2.5	10.39	991	-60060	SLV 11	14675	33497	52776	2.5	33.81	Si
922	5X/2Y Ø8/10	-3671	-26405	SLV 1	10854	47384	48510	2.15	12.91	991	-59930	SLV 11	14657	48385	52758	2.5	48.83	Si
951	5X/2Y Ø8/10	-3671	-26275	SLV 1	10838	47384	48491	2.15	12.91	991	-59799	SLV 11	14639	48385	52739	2.5	48.83	Si
980	5X/2Y Ø8/10	-3671	-26144	SLV 1	10821	47384	48472	2.15	12.91	991	-59669	SLV 11	14622	48385	52721	2.5	48.83	Si
1000	4X/2Y Ø8/10	-3147	-20482	SLV 1	8855	38789	39610	2.2	12.33	714	-44054	SLV 11	11508	39534	42291	2.5	55.41	Si
1029	4X/2Y Ø8/10	-3147	-20375	SLV 1	8842	38789	39595	2.2	12.33	714	-43947	SLV 11	11493	39534	42276	2.5	55.41	Si
1058	4X/2Y Ø8/10	-3147	-20266	SLV 1	8829	38789	39580	2.2	12.33	714	-43838	SLV 11	11479	39534	42261	2.5	55.41	Si
1087	4X/2Y Ø8/14.4	-3147	-20158	SLV 1	8815	30516	36216	2.5	9.7	714	-43730	SLV 11	11464	27370	42246	2.5	38.36	Si
1116	4X/2Y Ø8/14.4	-3147	-20049	SLV 1	8801	30516	36202	2.5	9.7	714	-43621	SLV 11	11450	27370	42231	2.5	38.36	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1145	4X/2Y Ø8/14.4	-3147	-19940	SLV 1	8788	30516	36188	2.5	9.7	714	-43512	SLV 11	11435	27370	42216	2.5	38.36	Si
1174	4X/2Y Ø8/14.4	-3147	-19831	SLV 1	8774	30516	36174	2.5	9.7	714	-43403	SLV 11	11421	27370	42201	2.5	38.36	Si
1203	4X/2Y Ø8/14.4	-3147	-19723	SLV 1	8761	30516	36160	2.5	9.7	714	-43295	SLV 11	11406	27370	42185	2.5	38.36	Si
1232	4X/2Y Ø8/10	-3147	-19614	SLV 1	8747	38789	39488	2.2	12.33	714	-43186	SLV 11	11391	39534	42170	2.5	55.41	Si
1261	4X/2Y Ø8/10	-3147	-19505	SLV 1	8734	38789	39473	2.2	12.33	714	-43077	SLV 11	11377	39534	42155	2.5	55.41	Si
1290	4X/2Y Ø8/10	-3147	-19396	SLV 1	8720	38789	39457	2.2	12.33	714	-42968	SLV 11	11362	39534	42140	2.5	55.41	Si
1310	4X/2Y Ø8/10	-2943	-13450	SLV 1	7980	37907	39203	2.15	12.88	-555	-15879	SLV 5	7732	38743	38947	2.45	69.84	Si
1339	4X/2Y Ø8/10	-2943	-13343	SLV 1	7967	37907	39188	2.15	12.88	-555	-15772	SLV 5	7718	38743	38932	2.45	69.84	Si
1368	4X/2Y Ø8/10	-2943	-13234	SLV 1	7953	37907	39172	2.15	12.88	-555	-15663	SLV 5	7703	38743	38917	2.45	69.84	Si
1397	4X/2Y Ø8/14.4	-2943	-13126	SLV 1	7940	30516	35310	2.5	10.37	-555	-15554	SLV 5	7689	27370	38340	2.5	49.34	Si
1426	4X/2Y Ø8/14.4	-2943	-13017	SLV 1	7926	30516	35296	2.5	10.37	-555	-15446	SLV 5	7674	27370	38325	2.5	49.34	Si
1455	4X/2Y Ø8/14.4	-2943	-12908	SLV 1	7912	30516	35282	2.5	10.37	-555	-15337	SLV 5	7660	27370	38310	2.5	49.34	Si
1484	4X/2Y Ø8/14.4	-2943	-12799	SLV 1	7899	30516	35268	2.5	10.37	-555	-15228	SLV 5	7645	27370	38295	2.5	49.34	Si
1513	4X/2Y Ø8/14.4	-2943	-12691	SLV 1	7885	30516	35254	2.5	10.37	-555	-15119	SLV 5	7631	27370	38280	2.5	49.34	Si
1542	4X/2Y Ø8/10	-2943	-12582	SLV 1	7872	37907	39079	2.15	12.88	-555	-15011	SLV 5	7616	38743	38825	2.45	69.84	Si
1571	4X/2Y Ø8/10	-2943	-12473	SLV 1	7858	37907	39063	2.15	12.88	-555	-14902	SLV 5	7601	38743	38810	2.45	69.84	Si
1600	4X/2Y Ø8/10	-2943	-12366	SLV 1	7845	37907	39048	2.15	12.88	-555	-14795	SLV 5	7587	38743	38795	2.45	69.84	Si
1620	4X/2Y Ø8/10	-3397	-6275	SLV 1	7087	37907	38178	2.15	11.16	1804	-11428	SLV 7	7136	37953	38886	2.4	21.04	Si
1649	4X/2Y Ø8/10	-3397	-6167	SLV 1	7073	37907	38163	2.15	11.16	1804	-11319	SLV 7	7121	37953	38870	2.4	21.04	Si
1678	4X/2Y Ø8/10	-3397	-6058	SLV 1	7060	37907	38147	2.15	11.16	1804	-11210	SLV 7	7107	37953	38854	2.4	21.04	Si
1707	4X/2Y Ø8/14.4	-3397	-5949	SLV 1	7046	30516	34386	2.5	8.98	1804	-11101	SLV 7	7092	27370	37723	2.5	15.17	Si
1736	4X/2Y Ø8/14.4	-3397	-5840	SLV 1	7033	30516	34372	2.5	8.98	1804	-10993	SLV 7	7078	27370	37708	2.5	15.17	Si
1765	4X/2Y Ø8/14.4	-3397	-5732	SLV 1	7019	30516	34358	2.5	8.98	1804	-10884	SLV 7	7063	27370	37693	2.5	15.17	Si
1794	4X/2Y Ø8/14.4	-3397	-5623	SLV 1	7005	30516	34344	2.5	8.98	1804	-10775	SLV 7	7049	27370	37678	2.5	15.17	Si
1823	4X/2Y Ø8/14.4	-3397	-5514	SLV 1	6992	30516	34330	2.5	8.98	1804	-10666	SLV 7	7034	27370	37663	2.5	15.17	Si
1852	4X/2Y Ø8/10	-3397	-5405	SLV 1	6978	37907	38054	2.15	11.16	1804	-10558	SLV 7	7019	37953	38761	2.4	21.04	Si
1881	4X/2Y Ø8/10	-3397	-5297	SLV 1	6965	37907	38038	2.15	11.16	1804	-10449	SLV 7	7005	37953	38746	2.4	21.04	Si
1910	4X/2Y Ø8/10	-3397	-5190	SLV 1	6951	37907	38023	2.15	11.16	1804	-10342	SLV 7	6990	37953	38731	2.4	21.04	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	698	-87647	SLD 15	18478	55098	50429	2.5	72.2	760	-77715	SLD 7	17088	48385	55272	2.5	63.64	Si
-111	5X/2Y Ø8/10	698	-87517	SLD 15	18462	55098	50429	2.5	72.2	760	-77585	SLD 7	17070	48385	55254	2.5	63.64	Si
-81	5X/2Y Ø8/10	698	-87384	SLD 15	18446	55098	50429	2.5	72.2	760	-77453	SLD 7	17052	48385	55235	2.5	63.64	Si
-52	5X/2Y Ø8/10	698	-87252	SLD 15	18429	55098	50429	2.5	72.2	760	-77321	SLD 7	17034	48385	55216	2.5	63.64	Si
-22	5X/2Y Ø8/15	698	-87119	SLD 15	18413	36732	50429	2.5	52.59	760	-77188	SLD 7	17016	32257	55198	2.5	42.43	Si
7	5X/2Y Ø8/15	698	-86987	SLD 15	18396	36732	50429	2.5	52.59	760	-77056	SLD 7	16998	32257	55179	2.5	42.43	Si
36	5X/2Y Ø8/15	698	-86855	SLD 15	18380	36732	50429	2.5	52.59	760	-76924	SLD 7	16980	32257	55160	2.5	42.43	Si
66	5X/2Y Ø8/15	698	-86722	SLD 15	18363	36732	50429	2.5	52.59	760	-76791	SLD 7	16962	32257	55142	2.5	42.43	Si
95	5X/2Y Ø8/15	698	-86590	SLD 15	18347	36732	50429	2.5	52.59	760	-76659	SLD 7	16944	32257	55123	2.5	42.43	Si
125	5X/2Y Ø8/15	698	-86456	SLD 15	18330	36732	50429	2.5	52.59	760	-76525	SLD 7	16925	32257	55104	2.5	42.43	Si
154	5X/2Y Ø8/15	698	-86325	SLD 15	18314	36732	50429	2.5	52.59	760	-76394	SLD 7	16907	32257	55086	2.5	42.43	Si
184	5X/2Y Ø8/15	698	-86193	SLD 15	18297	36732	50429	2.5	52.59	760	-76262	SLD 7	16889	32257	55067	2.5	42.43	Si
213	5X/2Y Ø8/15	698	-86063	SLD 15	18281	36732	50429	2.5	52.59	760	-76131	SLD 7	16871	32257	55048	2.5	42.43	Si
242	5X/2Y Ø8/10	698	-85928	SLD 15	18265	55098	50429	2.5	72.2	760	-75997	SLD 7	16853	48385	55029	2.5	63.64	Si
272	5X/2Y Ø8/10	698	-85796	SLD 15	18248	55098	50429	2.5	72.2	760	-75865	SLD 7	16835	48385	55011	2.5	63.64	Si
301	5X/2Y Ø8/10	698	-85664	SLD 15	18232	55098	50429	2.5	72.2	760	-75732	SLD 7	16817	48385	54992	2.5	63.64	Si
331	5X/2Y Ø8/10	698	-85531	SLD 15	18215	55098	50429	2.5	72.2	760	-75600	SLD 7	16799	48385	54973	2.5	63.64	Si
360	5X/2Y Ø8/10	698	-85401	SLD 15	18199	55098	50429	2.5	72.2	760	-75470	SLD 7	16781	48385	54955	2.5	63.64	Si
380	5X/2Y Ø8/10	-1851	-49515	SLD 1	13731	55098	46721	2.5	25.24	371	-67539	SLD 11	15697	48385	53834	2.5	130.28	Si
409	5X/2Y Ø8/10	-1851	-49387	SLD 1	13715	55098	46704	2.5	25.23	371	-67411	SLD 11	15680	48385	53815	2.5	130.28	Si
438	5X/2Y Ø8/10	-1851	-49256	SLD 1	13699	55098	46687	2.5	25.22	371	-67280	SLD 11	15662	48385	53797	2.5	130.28	Si
467	5X/2Y Ø8/14.4	-1851	-49126	SLD 1	13683	38145	46670	2.5	20.61	371	-67150	SLD 11	15644	33497	53779	2.5	90.19	Si
496	5X/2Y Ø8/14.4	-1851	-48995	SLD 1	13666	38145	46654	2.5	20.61	371	-67019	SLD 11	15626	33497	53760	2.5	90.19	Si
525	5X/2Y Ø8/14.4	-1851	-48865	SLD 1	13650	38145	46637	2.5	20.61	371	-66889	SLD 11	15608	33497	53742	2.5	90.19	Si
554	5X/2Y Ø8/14.4	-1851	-48734	SLD 1	13634	38145	46620	2.5	20.61	371	-66758	SLD 11	15590	33497	53723	2.5	90.19	Si
583	5X/2Y Ø8/14.4	-1851	-48604	SLD 1	13618	38145	46603	2.5	20.61	371	-66628	SLD 11	15573	33497	53705	2.5	90.19	Si
612	5X/2Y Ø8/10	-1851	-48473	SLD 1	13601	55098	46586	2.5	25.17	371	-66497	SLD 11	15555	48385	53686	2.5	130.28	Si
641	5X/2Y Ø8/10	-1851	-48343	SLD 1	13585	55098	46570	2.5	25.16	371	-66367	SLD 11	15537	48385	53668	2.5	130.28	Si
670	5X/2Y Ø8/10	-1851	-48214	SLD 1	13569	55098	46553	2.5	25.15	371	-66238	SLD 11	15519	48385	53650	2.5	130.28	Si
690	5X/2Y Ø8/10	-1855	-38809	SLD 1	12398	55098	45342	2.5	24.45	445	-52712	SLD 11	13671	48385	51737	2.5	108.65	Si
719	5X/2Y Ø8/10	-1855	-38678	SLD 1	12382	55098	45325	2.5	24.44	445	-52581	SLD 11	13653	48385	51719	2.5	108.65	Si
748	5X/2Y Ø8/10	-1855	-38548	SLD 1	12366	55098	45308	2.5	24.43	445	-52451	SLD 11	13635	48385	51700	2.5	108.65	Si
777	5X/2Y Ø8/14.4	-1855	-38417	SLD 1	12349	38145	45291	2.5	20.57	445	-52320	SLD 11	13617	33497	51682	2.5	75.22	Si
806	5X/2Y Ø8/14.4	-1855	-38287	SLD 1	12333	38145	45274	2.5	20.57	445	-52190	SLD 11	13599	33497	51664	2.5	75.22	Si
835	5X/2Y Ø8/14.4	-1855	-38156	SLD 1	12317	38145	45258	2.5	20.57	445	-52059	SLD 11	13582	33497	51645	2.5	75.22	Si
864	5X/2Y Ø8/14.4	-1855	-38026	SLD 1	12301	38145	45241	2.5	20.57	445	-51929	SLD 11	13564	33497	51627	2.5	75.22	Si
893	5X/2Y Ø8/14.4	-1855	-37895	SLD 1	12284	38145	45224	2.5	20.57	445	-51798	SLD 11	13546	33497	51608	2.5	75.22	Si
922	5X/2Y Ø8/10	-1855	-37765	SLD 1	12268	55098	45207	2.5	24.38	445	-51668	SLD 11	13528	48385	51590	2.5	108.65	Si
951	5X/2Y Ø8/10	-1855	-37634	SLD 1	12252	55098	45190	2.5	24.37	445	-51537	SLD 11	13510	48385	51571	2.5	108.65	Si
980	5X/2Y Ø8/10	-1855	-37504	SLD 1	12236	55098	45174	2.5	24.36	445	-51407	SLD 11	13492	48385	51553	2.5	108.65	Si
1000	4X/2Y Ø8/10	-1661	-28261	SLD 1	9824	44078	37259	2.5	22.44	349	-38437	SLD 11	10755	39534	41512	2.5	113.43	Si
1029	4X/2Y Ø8/10	-1661	-28154	SLD 1	9811	44078	37246	2.5	22.43	349	-38330	SLD 11	10741	39534	41497	2.5	113.43	Si
1058	4X/2Y Ø8/10	-1661	-28045	SLD 1	9797	44078	37232	2.5	22.42	349	-38221	SLD 11	10726	39534	41482	2.5	113.43	Si
1087	4X/2Y Ø8/14.4	-1661	-27936	SLD 1	9783	30516	37218	2.5	18.38	349	-38112	SLD 11	10712	27370	41467	2.5	78.53	Si
1116	4X/2Y Ø8/14.4	-1661	-27828	SLD 1	9770	30516	37204	2.5	18.38	349	-38004	SLD 11	10697	27370	41452	2.5	78.53	Si
1145	4X/2Y Ø8/14.4	-1661	-27719	SLD 1	9756	30516	37189	2.5	18.38	349	-37895	SLD 11	10682	27370	41437	2.5	78.53	Si
1174	4X/2Y Ø8/14.4	-1661	-27610	SLD 1	9743	30516	37175	2.5	18.38	349	-37786	SLD 11	10668	27370	41422	2.5	78.53	Si
1203	4X/2Y Ø8/14.4	-1661	-27501	SLD 1	9729	30516	37161	2.5	18.38	349	-37677	SLD 11	10653	27370	41407	2.5	78.53	Si
1232	4X/2Y Ø8/10	-1661	-27393	SLD 1	9716	44078	37147	2.5	22.37	349	-37569	SLD 11	10639	39534	41392	2.5	113.43	Si
1261	4X/2Y Ø8/10	-1661	-27284	SLD 1	9702	44078	37133	2.5	22.36	349	-37460	SLD 11	10624	39534	41377	2.5	113.43	Si
1290	4X/2Y Ø8/10	-1661	-27175	SLD 1	9689	44078	37119	2.5	22.35	349	-37351	SLD 11	10610	39534	41362	2.5	113.43	Si
1310	4X/2Y Ø8/10	-1603	-18193	SLD 1	8570	44078	35963	2.5	22.43	-235	-19351	SLD 5	8198	39534	38866	2.5	165.25	Si
1339	4X/2Y Ø8/10	-1603	-18087	SLD 1	8557	44078	35949	2.5	22.42	-235	-19244	SLD 5	8183	39534	38852	2.5	165.18	Si
1368	4X/2Y Ø8/10	-1603	-17978	SLD 1	8544	44078	35935	2.5	22.41	-235	-19135	SLD 5	8169	39534	38837	2.5	165.12	Si
1397	4X/2Y Ø8/14.4	-1603	-17869	SLD 1	8530	30516	35921	2.5	19.03	-235	-19026	SLD 5	8154	27370	38821	2.5	116.37	Si
1426	4X/2Y Ø8/14.4	-1603	-17760	SLD 1	8517	30516	35907	2.5	19.03	-235	-18918	SLD 5	8140	27370	38806	2.5	116.37	Si
1455	4X/2Y Ø8/14.4	-1603	-17652	SLD 1	8503	30516	35893	2.5	19.03	-235	-18809	SLD 5	8125	27370	38791	2.5	116.37	Si
1484	4X/2Y Ø8/14.4	-1603	-17543	SLD 1	8489	30516	35879	2.5	19.03	-235	-18700	SLD 5	8110	27370	38776	2.5	116.37	Si
1513	4X/2Y Ø8/14.4	-1603	-17434	SLD 1	8476	30516	35865	2.5	19.03	-235	-18591	SLD 5	8096	27370	38761	2.5	116.37	Si
1542	4X/2Y Ø8/10	-1603	-17325	SLD 1	8462	44078	35851	2.5	22.36	-235	-18483	SLD 5	8081	39534	38746	2.5	164.74	Si
1571	4X/2Y Ø8/10	-1603	-17217	SLD 1	8449	44078	35837	2.5	22.35	-235	-18374	SLD 5	8067	39534	38731	2.5	164.67	Si
1600	4X/2Y Ø8/10	-1603	-17110	SLD 1	8436	44078	35823	2.5	22.34	-235	-18267	SLD 5	8052	39534	38716	2.5	164.61	Si
1620	4X/2Y Ø8/10	-1912	-8353	SLD 1	7345	44078	34695	2.5	18.14	1245	-10717	SLD 7	7041	39534	37670	2.5	30.26	Si
1649	4X/2Y Ø8/10	-1912	-8244	SLD 1	7332	44078	34681	2.5	18.13	1245	-10608	SLD 7	7026	39534	37655	2.5	30.24	Si
1678	4X/2Y Ø8/10	-1912	-8136	SLD 1	7318	44078	34667	2.5	18.13	1245	-10499	SLD 7	7012	39534	37639	2.5	30.23	Si
1707	4X/2Y Ø8/14.4	-1912	-8027	SLD 1	7305	30516	34653	2.5	15.96	1245	-10391	SLD 7	6997	27370	37624	2.5	21.98	Si
1736	4X/2Y Ø8/14.4	-1912	-7918	SLD 1	7291	30516	34639	2.5	15.96	1245	-10282	SLD 7	6982	27370	37609	2.5	21.98	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1765	4X/2Y Ø8/14.4	-1912	-7809	SLD 1	7278	30516	34625	2.5	15.96	1245	-10173	SLD 7	6968	27370	37594	2.5	21.98	Si
1794	4X/2Y Ø8/14.4	-1912	-7701	SLD 1	7264	30516	34611	2.5	15.96	1245	-10064	SLD 7	6953	27370	37579	2.5	21.98	Si
1823	4X/2Y Ø8/14.4	-1912	-7592	SLD 1	7251	30516	34597	2.5	15.96	1245	-9956	SLD 7	6939	27370	37564	2.5	21.98	Si
1852	4X/2Y Ø8/10	-1912	-7483	SLD 1	7237	44078	34583	2.5	18.08	1245	-9847	SLD 7	6924	39534	37549	2.5	30.16	Si
1881	4X/2Y Ø8/10	-1912	-7374	SLD 1	7223	44078	34569	2.5	18.08	1245	-9738	SLD 7	6910	39534	37534	2.5	30.15	Si
1910	4X/2Y Ø8/10	-1912	-7268	SLD 1	7210	44078	34556	2.5	18.07	1245	-9631	SLD 7	6895	39534	37519	2.5	30.13	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	-56520	-64460	-84956	SLE RA 12	-49	-56520	-64460	-84956	SLE RA 12	-696.4	Si
-111	-49466	-60174	-84826	SLE RA 12	-48.2	-49466	-60174	-84826	SLE RA 12	-687.5	Si
-81	-42291	-55813	-84694	SLE RA 12	-47.4	-42291	-55813	-84694	SLE RA 12	-678.5	Si
-52	-35115	-51453	-84561	SLE RA 12	-46.6	-35115	-51453	-84561	SLE RA 12	-669.6	Si
-22	-27939	-47093	-84429	SLE RA 12	-45.8	-27939	-47093	-84429	SLE RA 12	-660.6	Si
7	-20763	-42732	-84297	SLE RA 12	-45	-20763	-42732	-84297	SLE RA 12	-651.6	Si
36	-13587	-38372	-84164	SLE RA 12	-44.2	-13587	-38372	-84164	SLE RA 12	-642.6	Si
66	-6411	-34011	-84032	SLE RA 12	-43.4	-4219	-29220	-85034	SLE RA 13	-635.2	Si
95	2422	-27580	-84902	SLE RA 13	-43	2422	-27580	-84902	SLE RA 13	-631.8	Si
125	9129	-25924	-84768	SLE RA 13	-43.1	9129	-25924	-84768	SLE RA 13	-633.3	Si
154	15703	-24300	-84637	SLE RA 13	-43.2	15703	-24300	-84637	SLE RA 13	-634.7	Si
184	22343	-22660	-84505	SLE RA 13	-43.3	22343	-22660	-84505	SLE RA 13	-636.2	Si
213	28884	-21045	-84375	SLE RA 13	-43.4	28884	-21045	-84375	SLE RA 13	-637.7	Si
242	35624	-19380	-84240	SLE RA 13	-43.5	35624	-19380	-84240	SLE RA 13	-639.2	Si
272	42264	-17740	-84108	SLE RA 13	-43.6	42264	-17740	-84108	SLE RA 13	-640.7	Si
301	48905	-16100	-83976	SLE RA 13	-43.7	48905	-16100	-83976	SLE RA 13	-642.2	Si
331	55545	-14460	-83843	SLE RA 13	-43.8	55545	-14460	-83843	SLE RA 13	-643.7	Si
360	62073	-12848	-83713	SLE RA 13	-43.9	62073	-12848	-83713	SLE RA 13	-645.1	Si
380	-12459	93269	-69594	SLE RA 13	-42.2	-12459	93269	-69594	SLE RA 13	-586.5	Si
409	-7674	75149	-69466	SLE RA 13	-40.3	-7674	75149	-69466	SLE RA 13	-566.7	Si
438	-2804	56711	-69335	SLE RA 13	-38.3	-2804	56711	-69335	SLE RA 13	-547.1	Si
467	2065	38273	-69205	SLE RA 13	-36.5	2065	38273	-69205	SLE RA 13	-529.2	Si
496	6935	19835	-69074	SLE RA 13	-35	6935	19835	-69074	SLE RA 13	-514.6	Si
525	11804	1397	-68944	SLE RA 13	-33.5	11804	1397	-68944	SLE RA 13	-500.2	Si
554	16674	-17042	-68813	SLE RA 13	-35.1	16674	-17042	-68813	SLE RA 13	-516	Si
583	21543	-35480	-68683	SLE RA 13	-36.9	21543	-35480	-68683	SLE RA 13	-534.2	Si
612	26412	-53918	-68552	SLE RA 13	-38.8	26412	-53918	-68552	SLE RA 13	-552.4	Si
641	31282	-72356	-68422	SLE RA 13	-40.7	31282	-72356	-68422	SLE RA 13	-570.6	Si
670	36067	-90476	-68294	SLE RA 13	-42.5	36067	-90476	-68294	SLE RA 13	-588.5	Si
690	-22050	97673	-54913	SLE RA 13	-36.1	-22050	97673	-54913	SLE RA 13	-491.2	Si
719	-15898	76512	-54783	SLE RA 13	-33.8	-15898	76512	-54783	SLE RA 13	-467.9	Si
748	-9746	55351	-54652	SLE RA 13	-31.5	-9746	55351	-54652	SLE RA 13	-444.7	Si
777	-3594	34190	-54522	SLE RA 13	-29.2	-3594	34190	-54522	SLE RA 13	-421.5	Si
806	2557	13028	-54391	SLE RA 13	-27.2	2557	13028	-54391	SLE RA 13	-401.2	Si
835	8709	-8133	-54261	SLE RA 13	-27	8709	-8133	-54261	SLE RA 13	-399.6	Si
864	14861	-29294	-54130	SLE RA 13	-29.1	14861	-29294	-54130	SLE RA 13	-420.9	Si
893	21013	-50455	-54000	SLE RA 13	-31.3	21013	-50455	-54000	SLE RA 13	-442.3	Si
922	27165	-71616	-53869	SLE RA 13	-33.5	27165	-71616	-53869	SLE RA 13	-463.7	Si
951	33317	-92777	-53739	SLE RA 13	-35.6	33317	-92777	-53739	SLE RA 13	-484.1	Si
980	39468	-113938	-53608	SLE RA 13	-35.8	39468	-113938	-53608	SLE RA 13	-482	Si
1000	-18704	110722	-39857	SLE RA 12	-35.1	-20589	104487	-40533	SLE RA 13	-460.9	Si
1029	-13489	88267	-39751	SLE RA 12	-33	-14831	83293	-40426	SLE RA 13	-442.5	Si
1058	-8973	61728	-40317	SLE RA 13	-30.6	-8973	61728	-40317	SLE RA 13	-420.6	Si
1087	-3115	40162	-40208	SLE RA 13	-27.7	-3115	40162	-40208	SLE RA 13	-391.8	Si
1116	2744	18597	-40100	SLE RA 13	-25.3	2744	18597	-40100	SLE RA 13	-367.5	Si
1145	8602	-2968	-39991	SLE RA 13	-23.9	8602	-2968	-39991	SLE RA 13	-354.6	Si
1174	14460	-24534	-39882	SLE RA 13	-26.6	14460	-24534	-39882	SLE RA 13	-381.5	Si
1203	20318	-46099	-39773	SLE RA 13	-29.3	20318	-46099	-39773	SLE RA 13	-408.3	Si
1232	26177	-67665	-39665	SLE RA 13	-32.1	26177	-67665	-39665	SLE RA 13	-435.2	Si
1261	32035	-89230	-39556	SLE RA 13	-34.8	32035	-89230	-39556	SLE RA 13	-462.1	Si
1290	34272	-117374	-38772	SLE RA 12	-37.6	37893	-110796	-39447	SLE RA 13	-488.9	Si
1310	-14385	109050	-26375	SLE RA 12	-28.2	-15590	105659	-26785	SLE RA 13	-356.3	Si
1339	-13843	86972	-26268	SLE RA 12	-25.7	-14667	84250	-26679	SLE RA 13	-331.8	Si
1368	-13728	62466	-26570	SLE RA 13	-23.1	-13728	62466	-26570	SLE RA 13	-306.8	Si
1397	-12789	40682	-26461	SLE RA 13	-20.6	-12789	40682	-26461	SLE RA 13	-281.8	Si
1426	-11850	18898	-26352	SLE RA 13	-18	-11850	18898	-26352	SLE RA 13	-256.8	Si
1455	-10911	-2886	-26244	SLE RA 13	-16.1	-10911	-2886	-26244	SLE RA 13	-238	Si
1484	-9972	-24670	-26135	SLE RA 13	-18.4	-9972	-24670	-26135	SLE RA 13	-259.6	Si
1513	-10536	-47818	-25616	SLE RA 12	-20.7	-9033	-46454	-26026	SLE RA 13	-281.2	Si
1542	-9985	-70284	-25507	SLE RA 12	-23.1	-9985	-70284	-25507	SLE RA 12	-303	Si
1571	-9434	-92749	-25398	SLE RA 12	-25.5	-9434	-92749	-25398	SLE RA 12	-325.6	Si
1600	-8892	-114826	-25291	SLE RA 12	-27.8	-8892	-114826	-25291	SLE RA 12	-347.8	Si
1620	-74868	128958	-13157	SLE RA 12	-27	-74868	128958	-13157	SLE RA 12	-311.8	Si
1649	-44454	100474	-13049	SLE RA 12	-21.7	-44454	100474	-13049	SLE RA 12	-255.8	Si
1678	-14040	71991	-12940	SLE RA 12	-16.4	-14040	71991	-12940	SLE RA 12	-199.8	Si
1707	16374	43507	-12831	SLE RA 12	-13.3	16374	43507	-12831	SLE RA 12	-170.3	Si
1736	47273	14484	-12911	SLE RA 13	-12.3	47273	14484	-12911	SLE RA 13	-164.9	Si
1765	78129	-12973	-12803	SLE RA 13	-14.1	78129	-12973	-12803	SLE RA 13	-187.3	Si
1794	108984	-40430	-12694	SLE RA 13	-19.2	108984	-40430	-12694	SLE RA 13	-240.7	Si
1823	138031	-70428	-12396	SLE RA 12	-24.4	139840	-67886	-12585	SLE RA 13	-294	Si
1852	168446	-98912	-12287	SLE RA 12	-37.3	168446	-98912	-12287	SLE RA 12	-416.7	Si
1881	198860	-127396	-12179	SLE RA 12	-47.8	198860	-127396	-12179	SLE RA 12	-513.7	Si
1910	228750	-155388	-12072	SLE RA 12	-58.4	228750	-155388	-12072	SLE RA 12	718.7	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	-47595	-58128	-75015	SLE QP 2	-43.3	Si
-111	-41909	-54247	-74885	SLE QP 2	-42.6	Si
-81	-36125	-50299	-74753	SLE QP 2	-41.9	Si
-52	-30341	-46351	-74621	SLE QP 2	-41.2	Si
-22	-24557	-42403	-74488	SLE QP 2	-40.5	Si
7	-18773	-38455	-74356	SLE QP 2	-39.8	Si
36	-12989	-34508	-74224	SLE QP 2	-39.1	Si
66	-7204	-30560	-74091	SLE QP 2	-38.4	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
95	-1420	-26612	-73959	SLE QP 2	-37.7	Si
125	4422	-22624	-73825	SLE QP 2	-37.4	Si
154	10148	-18716	-73694	SLE QP 2	-37.3	Si
184	15932	-14768	-73562	SLE QP 2	-37.1	Si
213	21630	-10879	-73431	SLE QP 2	-37	Si
242	27501	-6872	-73297	SLE QP 2	-36.8	Si
272	33285	-2924	-73165	SLE QP 2	-36.7	Si
301	39069	1024	-73032	SLE QP 2	-36.7	Si
331	44853	4972	-72900	SLE QP 2	-37.3	Si
360	50539	8853	-72770	SLE QP 2	-37.8	Si
380	1512	87918	-59990	SLE QP 2	-36.7	Si
409	3888	71206	-59861	SLE QP 2	-35.2	Si
438	6305	54201	-59731	SLE QP 2	-33.7	Si
467	8722	37195	-59600	SLE QP 2	-32.2	Si
496	11139	20190	-59470	SLE QP 2	-30.7	Si
525	13556	3185	-59339	SLE QP 2	-29.2	Si
554	15973	-13821	-59209	SLE QP 2	-30.2	Si
583	18390	-30826	-59078	SLE QP 2	-31.8	Si
612	20807	-47832	-58948	SLE QP 2	-33.4	Si
641	23224	-64837	-58817	SLE QP 2	-35	Si
670	25599	-81549	-58689	SLE QP 2	-36.6	Si
690	-5807	93310	-46942	SLE QP 2	-31.1	Si
719	-3089	73248	-46811	SLE QP 2	-29.1	Si
748	-372	53185	-46681	SLE QP 2	-27.1	Si
777	2346	33123	-46550	SLE QP 2	-25.3	Si
806	5064	13060	-46420	SLE QP 2	-23.5	Si
835	7781	-7002	-46289	SLE QP 2	-23	Si
864	10499	-27065	-46159	SLE QP 2	-24.9	Si
893	13217	-47127	-46028	SLE QP 2	-26.8	Si
922	15934	-67190	-45898	SLE QP 2	-28.7	Si
951	18652	-87253	-45767	SLE QP 2	-30.6	Si
980	21370	-107315	-45637	SLE QP 2	-30.8	Si
1000	-10045	98052	-34256	SLE QP 2	-30.1	Si
1029	-6912	78228	-34149	SLE QP 2	-28.3	Si
1058	-3724	58055	-34040	SLE QP 2	-26.2	Si
1087	-537	37883	-33931	SLE QP 2	-23.7	Si
1116	2651	17710	-33823	SLE QP 2	-21.6	Si
1145	5839	-2462	-33714	SLE QP 2	-20	Si
1174	9026	-22635	-33605	SLE QP 2	-22.4	Si
1203	12214	-42808	-33496	SLE QP 2	-24.8	Si
1232	15402	-62980	-33388	SLE QP 2	-27.2	Si
1261	18589	-83153	-33279	SLE QP 2	-29.6	Si
1290	21777	-103325	-33170	SLE QP 2	-32	Si
1310	-6575	96354	-22112	SLE QP 2	-23.8	Si
1339	-7132	76861	-22005	SLE QP 2	-21.6	Si
1368	-7700	57026	-21896	SLE QP 2	-19.4	Si
1397	-8267	37191	-21787	SLE QP 2	-17.2	Si
1426	-8835	17356	-21679	SLE QP 2	-15	Si
1455	-9402	-2479	-21570	SLE QP 2	-13.3	Si
1484	-9970	-22314	-21461	SLE QP 2	-15.5	Si
1513	-10537	-42148	-21352	SLE QP 2	-17.6	Si
1542	-11105	-61983	-21244	SLE QP 2	-19.8	Si
1571	-11672	-81818	-21135	SLE QP 2	-22	Si
1600	-12230	-101311	-21028	SLE QP 2	-24.1	Si
1620	-55679	111774	-10171	SLE QP 2	-22	Si
1649	-32282	87296	-10062	SLE QP 2	-17.6	Si
1678	-8886	62818	-9953	SLE QP 2	-13.3	Si
1707	14511	38340	-9844	SLE QP 2	-10.9	Si
1736	37908	13862	-9736	SLE QP 2	-9.7	Si
1765	61305	-10616	-9627	SLE QP 2	-10.9	Si
1794	84701	-35094	-9518	SLE QP 2	-15.2	Si
1823	108098	-59572	-9409	SLE QP 2	-19.4	Si
1852	131495	-84050	-9301	SLE QP 2	-23.6	Si
1881	154891	-108528	-9192	SLE QP 2	-39.5	Si
1910	177885	-132583	-9085	SLE QP 2	-48.3	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

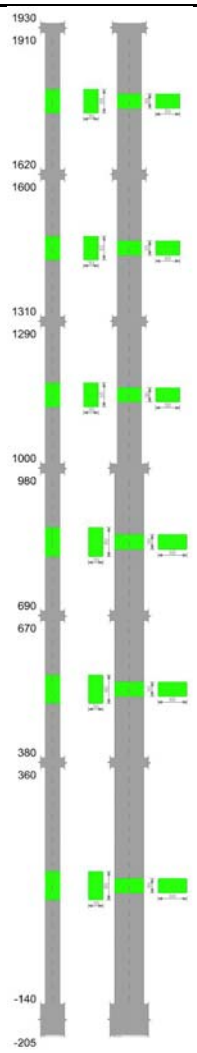
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.

Pilastro 4

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60	No	No	No	No		C30/37	B450C	
380	670	R 30x60	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	
1620	1910	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.10	-9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	-9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.11	-9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	-9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	615819	615819	-227030	818158	818158	SLU 52	1.329	Si
-111	20.11	2.2	0	1,2	615361	615361	-226861	818158	818158	SLU 52	1.33	Si
-81	20.11	1.1	0	2	614894	-614894	-226689	818158	-818158	SLU 52	1.331	Si
-52	20.11	1.1	0	2	614427	-614427	-226517	818158	-818158	SLU 52	1.332	Si
-22	20.11	1.1	0	2	613960	-613960	-226345	818158	-818158	SLU 52	1.333	Si
7	20.11	1.1	0	2	613494	-613494	-226173	818158	-818158	SLU 52	1.334	Si
36	20.11	1.1	0	2	613027	-613027	-226001	818158	-818158	SLU 52	1.335	Si
66	20.11	1.1	0	2	612560	-612560	-225829	818158	-818158	SLU 52	1.336	Si
95	20.11	1.1	0	2	612094	-612094	-225657	818158	-818158	SLU 52	1.337	Si
125	20.11	1.1	0	2	611622	-611622	-225483	818158	-818158	SLU 52	1.338	Si
154	20.11	1.1	0	2	611160	-611160	-225313	818158	-818158	SLU 52	1.339	Si
184	20.11	1.1	0	2	610694	-610694	-225140	818158	-818158	SLU 52	1.34	Si
213	20.11	1.1	0	2	610234	-610234	-224971	818158	-818158	SLU 52	1.341	Si
242	20.11	1.1	0	2	609760	-609760	-224796	818158	-818158	SLU 52	1.342	Si
272	20.11	1.1	0	2	-609293	-609293	-224624	-818158	-818158	SLU 52	1.343	Si
301	20.11	1.1	0	2	-608827	-608827	-224452	-818158	-818158	SLU 52	1.344	Si
331	20.11	1.1	0	2	-608360	-608360	-224280	-818158	-818158	SLU 52	1.345	Si
360	20.11	1.1	0	2	-607901	-607901	-224111	-818158	-818158	SLU 52	1.346	Si
380	20.11	2.2	0	2,3	-377773	377773	-188887	-647491	647491	SLU 52	1.714	Si
409	20.11	2.2	0	2,3	-377434	377434	-188717	-647491	647491	SLU 52	1.716	Si
438	20.11	1.1	0	3	-377095	377095	-188547	-647491	647491	SLU 52	1.717	Si
467	20.11	1.1	0	3	-376755	376755	-188378	-647491	647491	SLU 52	1.719	Si
496	20.11	1.1	0	3	-376416	376416	-188208	-647491	647491	SLU 52	1.72	Si
525	20.11	1.1	0	3	-376077	376077	-188038	-647491	647491	SLU 52	1.722	Si
554	20.11	1.1	0	3	-375738	-375738	-187869	-647491	-647491	SLU 52	1.723	Si
583	20.11	1.1	0	3	375398	-375398	-187699	647491	-647491	SLU 52	1.725	Si
612	20.11	1.1	0	3	375059	-375059	-187529	647491	-647491	SLU 52	1.726	Si
641	20.11	1.1	0	3	374720	-374720	-187360	647491	-647491	SLU 52	1.728	Si
670	20.11	1.1	0	3	374386	-374386	-187193	647491	-647491	SLU 52	1.729	Si
690	20.11	2.2	0	3,4,6,7	-304811	304811	-152406	-647491	647491	SLU 52	2.124	Si
719	20.11	2.2	0	3,4,6,7	-304472	304472	-152236	-647491	647491	SLU 52	2.127	Si
748	20.11	1.1	0	4,6,7	-304133	304133	-152066	-647491	647491	SLU 52	2.129	Si
777	20.11	1.1	0	4,6,7	-303793	303793	-151897	-647491	647491	SLU 52	2.131	Si
806	20.11	1.1	0	4,6,7	303454	303454	-151727	647491	647491	SLU 52	2.134	Si
835	20.11	1.1	0	4,6,7	303115	303115	-151557	647491	647491	SLU 52	2.136	Si
864	20.11	1.1	0	4,6,7	302775	-302775	-151388	647491	-647491	SLU 52	2.139	Si
893	20.11	1.1	0	4,6,7	302436	-302436	-151218	647491	-647491	SLU 52	2.141	Si
922	20.11	1.1	0	4,6,7	302097	-302097	-151048	647491	-647491	SLU 52	2.143	Si
951	20.37	1.6	0	4,5,6,7	301758	-301758	-150879	649217	-649217	SLU 52	2.151	Si
980	27.42	2	0	4,5,6,7	301424	-301424	-150712	695580	-695580	SLU 52	2.308	Si
1000	20.11	2.4	0	5,6,7,8	-231533	231533	-115767	-556148	556148	SLU 52	2.402	Si
1029	17.8	2.4	0	5,6,7,8	-231251	231251	-115625	-541580	541580	SLU 52	2.342	Si
1058	16.08	1.1	0	8	-230968	230968	-115484	-530708	530708	SLU 52	2.298	Si
1087	16.08	1.1	0	8	-230685	230685	-115343	-530708	530708	SLU 52	2.301	Si
1116	16.08	1.1	0	8	230402	230402	-115201	530708	530708	SLU 52	2.303	Si
1145	16.08	1.1	0	8	230120	230120	-115060	530708	530708	SLU 52	2.306	Si
1174	16.08	1.1	0	8	229837	-229837	-114918	530708	-530708	SLU 52	2.309	Si
1203	16.08	1.1	0	8	229554	-229554	-114777	530708	-530708	SLU 52	2.312	Si
1232	16.08	1.1	0	8	229271	-229271	-114636	530708	-530708	SLU 52	2.315	Si
1261	16.08	1.1	0	8	228989	-228989	-114494	530708	-530708	SLU 52	2.318	Si
1290	16.08	1.1	0	8	228711	-228711	-114355	530708	-530708	SLU 52	2.32	Si
1310	16.08	2.1	0	8,9	-158614	158614	-79307	-530708	530708	SLU 52	3.346	Si
1339	16.08	2.1	0	8,9	-158332	158332	-79166	-530708	530708	SLU 52	3.352	Si
1368	16.08	1.1	0	9	-158049	158049	-79024	-530708	530708	SLU 52	3.358	Si
1397	16.08	1.1	0	9	-157766	157766	-78883	-530708	530708	SLU 52	3.364	Si
1426	16.08	1.1	0	9	-157483	157483	-78742	-530708	530708	SLU 52	3.37	Si
1455	16.08	1.1	0	9	157201	-157201	-78600	530708	-530708	SLU 52	3.376	Si
1484	16.08	1.1	0	9	156918	-156918	-78459	530708	-530708	SLU 52	3.382	Si
1513	16.08	1.1	0	9	156635	-156635	-78318	530708	-530708	SLU 52	3.388	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1542	16.08	1.1	0	9	156352	-156352	-78176	530708	-530708	SLU 52	3.394	Si
1571	16.08	1.1	0	9	156070	-156070	-78035	530708	-530708	SLU 52	3.4	Si
1600	16.08	1.1	0	9	155766	-158552	-77883	529257	-538721	SLU 51	3.398	Si
1620	16.08	2.1	0	9,10,11	-136449	81327	-40664	-848547	505756	SLU 52	6.219	Si
1649	16.08	2.1	0	9,10,11	-97675	81045	-40522	-631576	524040	SLU 52	6.466	Si
1678	16.08	1.1	0	10,11	-80762	80762	-40381	-530708	530708	SLU 52	6.571	Si
1707	16.08	1.1	0	10,11	-80479	80479	-40240	-530708	530708	SLU 52	6.594	Si
1736	16.08	1.1	0	10,11	80196	80196	-40098	530708	530708	SLU 52	6.618	Si
1765	16.08	1.1	0	10,11	79914	96725	-39957	513989	622116	SLU 52	6.432	Si
1794	16.08	1.1	0	10,11	96194	113680	-39815	593161	700980	SLU 52	6.166	Si
1823	16.08	1.1	0	10,11	134968	130634	-39674	781988	756878	SLU 52	5.794	Si
1852	16.08	1.1	0	10,11	173742	147589	-39533	938755	797446	SLU 52	5.403	Si
1881	16.08	1.1	0	10,11	212516	164544	-39391	1067328	826395	SLU 52	5.022	Si
1910	16.08	1.1	0	10,11	250622	181206	-39252	1168994	845215	SLU 52	4.664	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	1711752	-187715	-147034	-2.02	1.92	2277122	-249716	SLV 15	1.33				Si
-111	20.11	2.2	0	1,2	1575771	-172478	-146904	-2.02	1.92	2207745	-241651	SLV 15	1.401				Si
-81	20.11	1.1	0	2	1437448	-156977	-146772	-2.02	1.92	2121457	-231675	SLV 15	1.476				Si
-52	20.11	1.1	0	2	1299139	-141479	-146639	-2.02	1.92	2017939	-219758	SLV 15	1.553				Si
-22	20.11	1.1	0	2	1160849	-125983	-146507	-2.02	1.92	1896312	-205801	SLV 15	1.634				Si
7	20.11	1.1	0	2	1022585	-110491	-146375	-2.02	1.92	1755691	-189704	SLV 15	1.717				Si
36	20.11	1.1	0	2	884359	-95005	-146242	-2.02	1.92	1597211	-171585	SLV 15	1.806				Si
66	20.11	1.1	0	2	746195	-79529	-146110	-2.02	1.92	1421357	-151487	SLV 15	1.905				Si
95	20.11	1.1	0	2	608132	-64072	-145978	-2.02	1.92	1225309	-129098	SLV 15	2.015				Si
125	20.11	1.1	0	2	468870	-48504	-145844	-2.02	1.92	1003175	-103778	SLV 15	2.14				Si
154	20.11	1.1	0	2	239883	-43089	-148042	-2.02	1.92	533537	-95838	SLV 11	2.224				Si
184	20.11	1.1	0	2	140825	-22190	-147910	-2.02	1.92	313497	-49399	SLV 11	2.226				Si
213	20.11	1.1	0	2	41465	41	-147780	-2.02	1.92	92388	92	SLV 11	2.228				Si
242	20.11	1.1	0	2	-69416	16449	-147645	-2.02	1.92	-154807	36683	SLV 11	2.23				Si
272	20.11	1.1	0	2	-166797	33042	-147513	-2.02	1.92	-372314	73755	SLV 11	2.232				Si
301	20.11	1.1	0	2	-266111	49718	-147381	-2.02	1.92	-594531	111078	SLV 11	2.234				Si
331	20.11	1.1	0	2	-502865	-36382	-144919	-2.02	1.92	-1074273	-77724	SLV 15	2.136				Si
360	20.11	1.1	0	2	-638428	10733	-144789	-2.02	1.92	-1313348	22079	SLV 15	2.057				Si
380	20.11	2.2	0	2,3	-374010	198053	-108134	-2.02	1.92	-940763	498171	SLV 1	2.515				Si
409	20.11	2.2	0	2,3	87942	-83721	-123779	-2.02	1.92	233939	-222712	SLV 11	2.66				Si
438	20.11	1.1	0	3	56233	-62806	-123648	-2.02	1.92	149747	-167250	SLV 11	2.663				Si
467	20.11	1.1	0	3	28854	-42032	-123518	-2.02	1.92	76917	-112047	SLV 11	2.666				Si
496	20.11	1.1	0	3	-48710	-21765	-123387	-2.02	1.92	-129987	-58083	SLV 11	2.669				Si
525	20.11	1.1	0	3	-93520	1812	-123257	-2.02	1.92	-249830	4841	SLV 11	2.671				Si
554	20.11	1.1	0	3	-115196	24744	-123126	-2.02	1.92	-308061	66170	SLV 11	2.674				Si
583	20.11	1.1	0	3	-145103	44317	-122996	-2.02	1.92	-388452	118641	SLV 11	2.677				Si
612	20.11	1.1	0	3	-177721	64974	-122865	-2.02	1.92	-476280	174126	SLV 11	2.68				Si
641	20.11	1.1	0	3	-315845	47181	-120853	-2.02	1.92	-839453	125396	SLV 15	2.658				Si
670	20.11	1.1	0	3	408559	-173047	-106831	-2.02	1.92	1041516	-441139	SLV 1	2.549				Si
690	20.11	2.2	0	3,4,6,7	-462885	176495	-86521	-2.02	1.92	-1319330	503052	SLV 1	2.85				Si
719	20.11	2.2	0	3,4,6,7	358191	-48600	-97997	-2.02	1.92	1099582	-149195	SLV 15	3.07				Si
748	20.11	1.1	0	4,6,7	269339	-35923	-97867	-2.02	1.92	878819	-117212	SLV 15	3.263				Si
777	20.11	1.1	0	4,6,7	125282	-42912	-99192	-2.02	1.92	415878	-142449	SLV 11	3.32				Si
806	20.11	1.1	0	4,6,7	72334	-21308	-99061	-2.02	1.92	240431	-70825	SLV 11	3.324				Si
835	20.11	1.1	0	4,6,7	-20095	7014	-98931	-2.02	1.92	-66883	23345	SLV 11	3.328				Si
864	20.11	1.1	0	4,6,7	-82213	29342	-98800	-2.02	1.92	-273990	97786	SLV 11	3.333				Si
893	20.11	1.1	0	4,6,7	-139506	51256	-98670	-2.02	1.92	-465545	171045	SLV 11	3.337				Si
922	20.11	1.1	0	4,6,7	-298557	42308	-97084	-2.02	1.92	-959104	135913	SLV 15	3.212				Si
951	20.37	1.6	0	4,5,6,7	427372	-142315	-85347	-2.02	1.92	1292434	-430380	SLV 1	3.024				Si
980	27.42	2	0	4,5,6,7	521970	-176952	-85218	-2.02	1.92	1565757	-530804	SLV 1	3				Si
1000	20.11	2.4	0	5,6,7,8	-325841	146363	-64833	-2.02	1.92	-1017380	456992	SLV 1	3.122				Si
1029	17.8	2.4	0	5,6,7,8	-256590	117425	-64724	-2.02	1.92	-858538	392900	SLV 1	3.346				Si
1058	16.08	1.1	0	8	173087	-29589	-73921	-2.02	1.92	614858	-105111	SLV 15	3.552				Si
1087	16.08	1.1	0	8	78916	-34688	-74915	-2.02	1.92	286284	-125838	SLV 11	3.628				Si
1116	16.08	1.1	0	8	51764	-15685	-74807	-2.02	1.92	188056	-56984	SLV 11	3.633				Si
1145	16.08	1.1	0	8	-36057	8557	-74698	-2.02	1.92	-131185	31134	SLV 11	3.638				Si
1174	16.08	1.1	0	8	-61457	23836	-74589	-2.02	1.92	-223922	86848	SLV 11	3.644				Si
1203	16.08	1.1	0	8	-151365	30954	-73377	-2.02	1.92	-550919	112663	SLV 15	3.64				Si
1232	16.08	1.1	0	8	262163	-87295	-63963	-2.02	1.92	896981	-298676	SLV 1	3.421				Si
1261	16.08	1.1	0	8	331270	-116178	-63854	-2.02	1.92	1036665	-363565	SLV 1	3.129				Si
1290	16.08	1.1	0	8	399956	-144631	-63747	-2.02	1.92	1145237	-414137	SLV 1	2.863				Si
1310	16.08	2.1	0	8,9	329163	88223	-50171	-2.02	1.92	1224852	328288	SLV 15	3.721				Si
1339	16.08	2.1	0	8,9	266320	68836	-50062	-2.02	1.92	1090205	281786	SLV 15	4.094				Si
1368	16.08	1.1	0	9	204260	49677	-49954	-2.02	1.92	920527	223878	SLV 15	4.507				Si
1397	16.08	1.1	0	9	144109	30957	-49845	-2.02	1.92	719528	154567	SLV 15	4.993				Si
1426	16.08	1.1	0	9	-8502	-30636	-50661	-2.02	1.92	-45606	-164347	SLV 11	5.364				Si
1455	16.08	1.1	0	9	-27076	-23146	-50552	-2.02	1.92	-145560	-124434	SLV 11	5.376				Si
1484	16.08	1.1	0	9	-55819	8023	-50444	-2.02	1.92	-300730	43225	SLV 11	5.388				Si
1513	16.08	1.1	0	9	179044	-84344	-42479	-2.02	1.92	874651	-412028	SLV 1	4.885				Si
1542	16.08	1.1	0	9	253402	-113889	-42370	-2.02	1.92	1073450	-482452	SLV 1	4.236				Si
1571	16.08	1.1	0	9	329464	-144896	-42261	-2.02	1.92	1199052	-527336	SLV 1	3.639				Si
1600	16.08	1.1	0	9	404921	-176025	-42154	-2.02	1.92	1264233	-549580	SLV 1	3.122				Si
1620	16.08	2.1	0	9,10,11	-300747	161757	-19709	-2.02	1.92	-1160258	624045	SLV 5	3.858				Si
1649	16.08	2.1	0	9,10,11	-275228	-110675	-21758	-2.02	1.92	-1327371	-533763	SLV 3	4.823				Si
1678	16.08	1.1	0	10,11	85775	148067	-20428	-2.02	1.92	555417	958776	SLV 9	6.475				Si
1707	16.08	1.1	0	10,11	67074	91717	-23162	-2.02	1.92	545112	745390	SLV 13	8.127				Si
1736	16.08	1.1	0	10,11	-21992	58232	-24554	-2.02	1.92	-212012	561389	SLV 15	9.641				Si
1765	16.08	1.1	0	10,11	-76123	79193	-24445	-2.02	1.92	-616642	641505	SLV 15	8.101				Si
1794	16.08	1.1	0	10,11	-78720	139344	-24994	-2.02	1.92	-508532	900166	SLV 11	6.46				Si
1823	16.08	1.1	0	10,11	273833	166273	-21105	-2.02	1.92	1106620	671946	SLV 3	4.041				Si
1852	16.08	1.1	0	10,11	356660	211825	-20997	-2.02	1.92	1090369	647586	SLV 3	3.057				Si
1881	16.08	1.1	0	10,11	439521	257515	-20888	-2.02	1.92	1071244	627642	SLV 3	2.437				Si
1910	16.08	1.1	0	10,11	654570	163181	-19281	-2.02	1.92	1283671	320014	SLV 1	1.961				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	795917	-73868	-142207	1523437	-141387	SLD 15	1.914	Si
-111	20.11	2.2	0	1,2	732245	-68517	-142077	1437220	-134483	SLD 15	1.963	Si
-81	20.11	1.1	0	2	667478	-63076	-141944	1344899	-127091	SLD 15	2.015	Si
-52	20.11	1.1	0	2	602720	-57635	-141812	1247553	-119297	SLD 15	2.07	Si
-22	20.11	1.1	0	2	537973	-52196	-141679	1144765	-111068	SLD 15	2.128	Si
7	20.11	1.1	0	2	473242	-46758	-141547	1036072	-102369	SLD 15	2.189	Si
36	20.11	1.1	0	2	408534	-41325	-141415	920962	-93159	SLD 15	2.254	Si
66	20.11	1.1	0	2	263024	-48321	-142198	609049	-111891	SLD 11	2.316	Si
95	20.11	1.1	0	2	213334	-40003	-142066	494449	-92716	SLD 11	2.318	Si
125	20.11	1.1	0	2	163209	-31636	-141932	378629	-73393	SLD 11	2.32	Si
154	20.11	1.1	0	2	114238	-23586	-141801	265265	-54767	SLD 11	2.322	Si
184	20.11	1.1	0	2	65317	-16307	-141669	151812	-37901	SLD 11	2.324	Si
213	20.11	1.1	0	2	16601	-7656	-141539	38619	-17812	SLD 11	2.326	Si
242	20.11	1.1	0	2	-39243	-1976	-141404	-91379	-4602	SLD 11	2.329	Si
272	20.11	1.1	0	2	-87725	3857	-141272	-204466	8990	SLD 11	2.331	Si
301	20.11	1.1	0	2	-136847	9740	-141140	-319256	22722	SLD 11	2.333	Si
331	20.11	1.1	0	2	-186371	15640	-141007	-435199	36521	SLD 11	2.335	Si
360	20.11	1.1	0	2	-235168	27638	-140877	-549654	64597	SLD 11	2.337	Si
380	20.11	2.2	0	2,3	-683	4047	-118593	-1897	11238	SLD 11	2.776	Si
409	20.11	2.2	0	2,3	-7182	4207	-118463	-19964	11693	SLD 11	2.78	Si
438	20.11	1.1	0	3	-12766	4330	-118332	-35523	12048	SLD 11	2.783	Si
467	20.11	1.1	0	3	-16139	4367	-118202	-44959	12164	SLD 11	2.786	Si
496	20.11	1.1	0	3	-44006	4096	-118071	-122721	11423	SLD 11	2.789	Si
525	20.11	1.1	0	3	-59654	5316	-117941	-166543	14841	SLD 11	2.792	Si
554	20.11	1.1	0	3	-60910	7131	-117810	-170239	19932	SLD 11	2.795	Si
583	20.11	1.1	0	3	-65703	6498	-117680	-183837	18182	SLD 11	2.798	Si
612	20.11	1.1	0	3	-71859	6469	-117549	-201287	18121	SLD 11	2.801	Si
641	20.11	1.1	0	3	-78630	6570	-117419	-220497	18423	SLD 11	2.804	Si
670	20.11	1.1	0	3	-85597	6716	-117291	-240297	18854	SLD 11	2.807	Si
690	20.11	2.2	0	3,4,6,7	-187533	104088	-89991	-642016	356344	SLD 1	3.423	Si
719	20.11	2.2	0	3,4,6,7	94667	-6379	-95114	327723	-22082	SLD 11	3.462	Si
748	20.11	1.1	0	4,6,7	72994	-4397	-94983	253042	-15244	SLD 11	3.467	Si
777	20.11	1.1	0	4,6,7	52194	-2544	-94853	181185	-8832	SLD 11	3.471	Si
806	20.11	1.1	0	4,6,7	34547	-1230	-94722	120090	-4276	SLD 11	3.476	Si
835	20.11	1.1	0	4,6,7	-4928	3922	-94592	-17156	13653	SLD 11	3.481	Si
864	20.11	1.1	0	4,6,7	-27464	5801	-94461	-95733	20220	SLD 11	3.486	Si
893	20.11	1.1	0	4,6,7	-47040	7279	-94331	-164196	25407	SLD 11	3.491	Si
922	20.11	1.1	0	4,6,7	-68329	9163	-94200	-238838	32027	SLD 11	3.495	Si
951	20.37	1.6	0	4,5,6,7	-90185	11155	-94070	-316668	39167	SLD 11	3.511	Si
980	27.42	2	0	4,5,6,7	217829	-102447	-88688	797101	-374883	SLD 1	3.659	Si
1000	20.11	2.4	0	5,6,7,8	-142266	86152	-67586	-541275	327779	SLD 1	3.805	Si
1029	17.8	2.4	0	5,6,7,8	52621	-6783	-71731	204303	-26336	SLD 11	3.883	Si
1058	16.08	1.1	0	8	41886	-4068	-71622	158937	-15435	SLD 11	3.794	Si
1087	16.08	1.1	0	8	32253	-1507	-71513	122571	-5729	SLD 11	3.8	Si
1116	16.08	1.1	0	8	26237	396	-71405	99859	1505	SLD 11	3.806	Si
1145	16.08	1.1	0	8	-11347	5667	-71296	-43253	21603	SLD 11	3.812	Si
1174	16.08	1.1	0	8	-16198	6342	-71187	-61837	24212	SLD 11	3.818	Si
1203	16.08	1.1	0	8	-25475	11569	-71078	-97405	44234	SLD 11	3.824	Si
1232	16.08	1.1	0	8	-36081	14189	-70970	-138167	54335	SLD 11	3.829	Si
1261	16.08	1.1	0	8	150515	-64324	-66607	567925	-242709	SLD 1	3.773	Si
1290	16.08	1.1	0	8	180621	-80625	-66501	650170	-290221	SLD 1	3.6	Si
1310	16.08	2.1	0	8,9	-124162	104742	-44865	-600563	506627	SLD 5	4.837	Si
1339	16.08	2.1	0	8,9	99680	57318	-48050	516428	296955	SLD 15	5.181	Si
1368	16.08	1.1	0	9	79020	40393	-47941	435221	222474	SLD 15	5.508	Si
1397	16.08	1.1	0	9	35676	-2282	-48220	201070	-12863	SLD 11	5.636	Si
1426	16.08	1.1	0	9	-2564	-12282	-48111	-14481	-69380	SLD 11	5.649	Si
1455	16.08	1.1	0	9	-7958	-18028	-48002	-45052	-102070	SLD 11	5.662	Si
1484	16.08	1.1	0	9	-14406	-11755	-47893	-81749	-66701	SLD 11	5.674	Si
1513	16.08	1.1	0	9	84223	-61686	-44491	467769	-342596	SLD 1	5.554	Si
1542	16.08	1.1	0	9	117684	-82356	-44382	602730	-421792	SLD 1	5.122	Si
1571	16.08	1.1	0	9	152164	-103750	-44274	721103	-491669	SLD 1	4.739	Si
1600	16.08	1.1	0	9	186467	-125124	-44167	819302	-549769	SLD 1	4.394	Si
1620	16.08	2.1	0	9,10,11	-165401	72344	-21387	-1197903	523946	SLD 5	7.242	Si
1649	16.08	2.1	0	9,10,11	-143217	-40785	-22212	-1204164	-342923	SLD 3	8.408	Si
1678	16.08	1.1	0	10,11	35978	66009	-22817	344944	632869	SLD 13	9.588	Si
1707	16.08	1.1	0	10,11	23925	61323	-22708	240071	615329	SLD 13	10.034	Si
1736	16.08	1.1	0	10,11	-3455	52009	-23251	-36835	554523	SLD 15	10.662	Si
1765	16.08	1.1	0	10,11	22507	65922	-23015	220194	644924	SLD 7	9.783	Si
1794	16.08	1.1	0	10,11	106571	66705	-21668	903747	565673	SLD 3	8.48	Si
1823	16.08	1.1	0	10,11	152050	114945	-21560	964809	729369	SLD 3	6.345	Si
1852	16.08	1.1	0	10,11	197579	140628	-21451	1024771	729382	SLD 3	5.187	Si
1881	16.08	1.1	0	10,11	243130	166374	-21342	1045136	715188	SLD 3	4.299	Si
1910	16.08	1.1	0	10,11	287906	191705	-21235	1048041	697847	SLD 3	3.64	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-128	-206397	SLU 23	15366	40773	41734	1.85	317.54	-839	-226997	SLU 51	15029	35805	36979	1.85	42.69	Si
-111	5X/2Y Ø8/10	-128	-206267	SLU 23	15366	40773	41785	1.85	317.54	-839	-226828	SLU 51	15029	35805	37051	1.85	42.69	Si
-81	5X/2Y Ø8/10	-128	-206135	SLU 23	15366	40773	41836	1.85	317.54	-839	-226656	SLU 51	15029	35805	37125	1.85	42.69	Si
-52	5X/2Y Ø8/10	-128	-206002	SLU 23	15366	40773	41888	1.85	317.54	-839	-226484	SLU 51	15029	35805	37199	1.85	42.69	Si
-22	5X/2Y Ø8/15	-128	-205870	SLU 23	15366	35263	35595	2.4	274.63	-839	-226312	SLU 51	15029	30966	31634	2.4	36.92	Si
7	5X/2Y Ø8/15	-128	-205738	SLU 23	15366	35263	35639	2.4	274.63	-839	-226139	SLU 51	15029	30966	31697	2.4	36.92	Si
36	5X/2Y Ø8/15	-128	-205605	SLU 23	15366	35263	35683	2.4	274.63	-839	-225967	SLU 51	15029	30966	31759	2.4	36.92	Si
66	5X/2Y Ø8/15	-128	-205473	SLU 23	15366	35263	35726	2.4	274.63	-839	-225795	SLU 51	15029	30966	31822	2.4	36.92	Si
95	5X/2Y Ø8/15	-128	-205340	SLU 23	15366	35263	35770	2.4	274.63	-839	-225623	SLU 51	15029	30966	31884	2.4	36.92	Si
125	5X/2Y Ø8/15	-128	-205207	SLU 23	15366	35263	35815	2.4	274.63	-839	-225450	SLU 51	15029	30966	31948	2.4	36.92	Si
154	5X/2Y Ø8/15	-128	-205076	SLU 23	15366	35263	35858	2.4	274.63	-839	-225279	SLU 51	15029	30966	32010	2.4	36.92	Si
184	5X/2Y Ø8/15	-128	-204943	SLU 23	15366	35263	35902	2.4	274.63	-839	-225107	SLU 51	15029	30966	32072	2.4	36.92	Si
213	5X/2Y Ø8/15	-128	-204813	SLU 23	15366	35263	35945	2.4	274.63	-839	-224938	SLU 51	15029	31612	31667	2.45	37.69	Si
242	5X/2Y Ø8/10	-128	-204679	SLU 23	15366	40773	42405	1.85	317.54	-839	-224763	SLU 51	15029	36773	37377	1.9	43.84	Si
272	5X/2Y Ø8/10	-128	-204546	SLU 23	15366	40773	42457	1.85	317.54	-839	-224591	SLU 51	15029	36773	37450	1.9	43.84	Si
301	5X/2Y Ø8/10	-128	-204414	SLU 23	15366	41875	41882	1.9	326.13	-839	-224419	SLU 51	15029	36773	37523	1.9	43.84	Si
331	5X/2Y Ø8/10	-128	-204282	SLU 23	15366	41875	41933	1.9	326.13	-839	-224247	SLU 51	15029	36773	37595	1.9	43.84	Si
360	5X/2Y Ø8/10	-128	-204152	SLU 23	15366	41875	41983	1.9	326.13	-839	-224078	SLU 51	15029	36773	37667	1.9	43.84	Si
380	5X/2Y Ø8/10	-819	-188172	SLU 49	15366	45180	46018	2.05	55.15	685	-188849	SLU 51	15029	45482	45937	2.35	66.37	Si
409	5X/2Y Ø8/10	-819	-188002	SLU 49	15366	45180	46080	2.05	55.15	685	-188679	SLU 51	15029	45482	46000	2.35	66.37	Si
438	5X/2Y Ø8/10	-819	-187832	SLU 49	15366	45180	46143	2.05	55.15	685	-188510	SLU 51	15029	45482	46063	2.35	66.37	Si
467	5X/2Y Ø8/14.4	-868	-171260	SLU 23	15366	38145	45716	2.5	43.94	685	-188340	SLU 51	15029	33497	44146	2.5	48.88	Si
496	5X/2Y Ø8/14.4	-868	-171129	SLU 23	15366	38145	45758	2.5	43.94	685	-188170	SLU 51	15029	33497	44206	2.5	48.88	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
525	5X/2Y Ø8/14.4	-868	-170999	SLU 23	15366	38145	45800	2.5	43.94	685	-188001	SLU 51	15029	33497	44266	2.5	48.88	Si
554	5X/2Y Ø8/14.4	-868	-170868	SLU 23	15366	38145	45842	2.5	43.94	685	-187831	SLU 51	15029	33497	44325	2.5	48.88	Si
583	5X/2Y Ø8/14.4	-868	-170738	SLU 23	15366	38145	45884	2.5	43.94	685	-187661	SLU 51	15029	33497	44385	2.5	48.88	Si
612	5X/2Y Ø8/10	-819	-186815	SLU 49	15366	45180	46517	2.05	55.15	685	-187492	SLU 51	15029	45482	46439	2.35	66.37	Si
641	5X/2Y Ø8/10	-819	-186645	SLU 49	15366	45180	46580	2.05	55.15	685	-187322	SLU 51	15029	45482	46501	2.35	66.37	Si
670	5X/2Y Ø8/10	-819	-186478	SLU 49	15366	45180	46641	2.05	55.15	685	-187155	SLU 51	15029	45482	46563	2.35	66.37	Si
690	5X/2Y Ø8/10	-762	-138276	SLU 23	15366	51792	52691	2.35	67.97	350	-151745	SLU 50	15029	48385	55356	2.5	138.41	Si
719	5X/2Y Ø8/10	-762	-138145	SLU 23	15366	51792	52691	2.35	67.97	350	-151575	SLU 50	15029	48385	55356	2.5	138.41	Si
748	5X/2Y Ø8/10	-762	-138015	SLU 23	15366	51792	52691	2.35	67.97	350	-151405	SLU 50	15029	48385	55356	2.5	138.41	Si
777	5X/2Y Ø8/14.4	-762	-137884	SLU 23	15366	38145	50429	2.5	50.06	350	-151236	SLU 50	15029	33497	55356	2.5	95.82	Si
806	5X/2Y Ø8/14.4	-762	-137754	SLU 23	15366	38145	50429	2.5	50.06	350	-151066	SLU 50	15029	33497	55356	2.5	95.82	Si
835	5X/2Y Ø8/14.4	-762	-137623	SLU 23	15366	38145	50429	2.5	50.06	350	-150896	SLU 50	15029	33497	55356	2.5	95.82	Si
864	5X/2Y Ø8/14.4	-762	-137493	SLU 23	15366	38145	50429	2.5	50.06	350	-150727	SLU 50	15029	33497	55356	2.5	95.82	Si
893	5X/2Y Ø8/14.4	-762	-137362	SLU 23	15366	38145	50429	2.5	50.06	350	-150557	SLU 50	15029	33497	55356	2.5	95.82	Si
922	5X/2Y Ø8/10	-762	-137232	SLU 23	15366	51792	52691	2.35	67.97	350	-150387	SLU 50	15029	48385	55356	2.5	138.41	Si
951	5X/2Y Ø8/10	-762	-137101	SLU 23	15366	51792	52691	2.35	67.97	350	-150218	SLU 50	15029	48385	55356	2.5	138.41	Si
980	5X/2Y Ø8/10	-762	-136973	SLU 23	15366	51792	52691	2.35	67.97	350	-150051	SLU 50	15029	48385	55356	2.5	138.41	Si
1000	4X/2Y Ø8/10	-610	-104754	SLU 23	12805	42315	43268	2.4	69.4	439	-115748	SLU 51	12600	39534	45230	2.5	89.99	Si
1029	4X/2Y Ø8/10	-610	-104645	SLU 23	12805	42315	43268	2.4	69.4	439	-115606	SLU 51	12600	39534	45230	2.5	89.99	Si
1058	4X/2Y Ø8/10	-610	-104536	SLU 23	12805	42315	43268	2.4	69.4	439	-115465	SLU 51	12600	39534	45230	2.5	89.99	Si
1087	4X/2Y Ø8/14.4	-610	-104428	SLU 23	12805	30516	42024	2.5	50.05	439	-115324	SLU 51	12600	27370	45230	2.5	62.3	Si
1116	4X/2Y Ø8/14.4	-610	-104319	SLU 23	12805	30516	42024	2.5	50.05	439	-115182	SLU 51	12600	27370	45230	2.5	62.3	Si
1145	4X/2Y Ø8/14.4	-610	-104210	SLU 23	12805	30516	42024	2.5	50.05	439	-115041	SLU 51	12600	27370	45230	2.5	62.3	Si
1174	4X/2Y Ø8/14.4	-610	-104101	SLU 23	12805	30516	42024	2.5	50.05	439	-114899	SLU 51	12600	27370	45230	2.5	62.3	Si
1203	4X/2Y Ø8/14.4	-610	-103993	SLU 23	12805	30516	42024	2.5	50.05	439	-114758	SLU 51	12600	27370	45230	2.5	62.3	Si
1232	4X/2Y Ø8/10	-610	-103884	SLU 23	12805	42315	43268	2.4	69.4	439	-114617	SLU 51	12600	39534	45230	2.5	89.99	Si
1261	4X/2Y Ø8/10	-610	-103775	SLU 23	12805	42315	43268	2.4	69.4	439	-114475	SLU 51	12600	39534	45230	2.5	89.99	Si
1290	4X/2Y Ø8/10	-610	-103668	SLU 23	12805	42315	43268	2.4	69.4	439	-114336	SLU 51	12600	39534	45230	2.5	89.99	Si
1310	4X/2Y Ø8/10	-965	-71980	SLU 25	12805	42315	43268	2.4	43.83	529	-78680	SLU 50	12600	39534	45230	2.5	74.79	Si
1339	4X/2Y Ø8/10	-965	-71871	SLU 25	12805	42315	43268	2.4	43.83	529	-78538	SLU 50	12600	39534	45230	2.5	74.79	Si
1368	4X/2Y Ø8/10	-965	-71763	SLU 25	12805	42315	43268	2.4	43.83	529	-78397	SLU 50	12600	39534	45230	2.5	74.79	Si
1397	4X/2Y Ø8/14.4	-965	-71654	SLU 25	12805	30516	42024	2.5	31.61	529	-78256	SLU 50	12600	27370	45230	2.5	51.78	Si
1426	4X/2Y Ø8/14.4	-965	-71545	SLU 25	12805	30516	42024	2.5	31.61	529	-78114	SLU 50	12600	27370	45230	2.5	51.78	Si
1455	4X/2Y Ø8/14.4	-965	-71436	SLU 25	12805	30516	42024	2.5	31.61	529	-77973	SLU 50	12600	27370	45230	2.5	51.78	Si
1484	4X/2Y Ø8/14.4	-965	-71328	SLU 25	12805	30516	42024	2.5	31.61	529	-77832	SLU 50	12600	27370	45230	2.5	51.78	Si
1513	4X/2Y Ø8/14.4	-965	-71219	SLU 25	12805	30516	42024	2.5	31.61	529	-77690	SLU 50	12600	27370	45230	2.5	51.78	Si
1542	4X/2Y Ø8/10	-965	-71110	SLU 25	12805	42315	43268	2.4	43.83	529	-77549	SLU 50	12600	39534	45230	2.5	74.79	Si
1571	4X/2Y Ø8/10	-965	-71001	SLU 25	12805	42315	43268	2.4	43.83	529	-77407	SLU 50	12600	39534	45230	2.5	74.79	Si
1600	4X/2Y Ø8/10	-965	-70895	SLU 25	12805	42315	43268	2.4	43.83	529	-77269	SLU 50	12600	39534	45230	2.5	74.79	Si
1620	4X/2Y Ø8/10	726	-33050	SLU 35	10420	39671	40766	2.25	54.66	1337	-40664	SLU 52	11053	39534	41821	2.5	29.57	Si
1649	4X/2Y Ø8/10	726	-32908	SLU 35	10402	39671	40746	2.25	54.66	1337	-40522	SLU 52	11035	39534	41801	2.5	29.57	Si
1678	4X/2Y Ø8/10	726	-32767	SLU 35	10385	39671	40726	2.25	54.66	1337	-40381	SLU 52	11016	39534	41782	2.5	29.57	Si
1707	4X/2Y Ø8/14.4	726	-32626	SLU 35	10367	30516	37821	2.5	42.05	1337	-40240	SLU 52	10997	27370	41762	2.5	20.47	Si
1736	4X/2Y Ø8/14.4	726	-32484	SLU 35	10350	30516	37803	2.5	42.05	1337	-40098	SLU 52	10978	27370	41742	2.5	20.47	Si
1765	4X/2Y Ø8/14.4	726	-32343	SLU 35	10332	30516	37785	2.5	42.05	1337	-39957	SLU 52	10959	27370	41723	2.5	20.47	Si
1794	4X/2Y Ø8/14.4	726	-32201	SLU 35	10314	30516	37767	2.5	42.05	1337	-39815	SLU 52	10940	27370	41703	2.5	20.47	Si
1823	4X/2Y Ø8/14.4	726	-32060	SLU 35	10297	30516	37749	2.5	42.05	1337	-39674	SLU 52	10921	27370	41684	2.5	20.47	Si
1852	4X/2Y Ø8/10	726	-31919	SLU 35	10279	39671	40609	2.25	54.66	1337	-39533	SLU 52	10902	39534	41664	2.5	29.57	Si
1881	4X/2Y Ø8/10	726	-31777	SLU 35	10262	39671	40589	2.25	54.66	1337	-39391	SLU 52	10883	39534	41644	2.5	29.57	Si
1910	4X/2Y Ø8/10	726	-31638	SLU 35	10244	39671	40570	2.25	54.66	1337	-39252	SLU 52	10864	39534	41625	2.5	29.57	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-853	-128727	SLV 5	15366	51792	52691	2.35	60.71	-4705	-147034	SLV 15	15029	48385	55356	2.5	10.28	Si
-111	5X/2Y Ø8/10	-853	-128597	SLV 5	15366	51792	52691	2.35	60.71	-4705	-146904	SLV 15	15029	48385	55356	2.5	10.28	Si
-81	5X/2Y Ø8/10	-853	-128465	SLV 5	15366	51792	52691	2.35	60.71	-4705	-146772	SLV 15	15029	48385	55356	2.5	10.28	Si
-52	5X/2Y Ø8/10	-853	-128332	SLV 5	15366	51792	52691	2.35	60.71	-4705	-146639	SLV 15	15029	48385	55356	2.5	10.28	Si
-22	5X/2Y Ø8/15	-853	-128200	SLV 5	15366	36732	50429	2.5	43.06	-4705	-146507	SLV 15	15029	32257	55356	2.5	6.86	Si
7	5X/2Y Ø8/15	-853	-128068	SLV 5	15366	36732	50429	2.5	43.06	-4705	-146375	SLV 15	15029	32257	55356	2.5	6.86	Si
36	5X/2Y Ø8/15	-853	-127935	SLV 5	15366	36732	50429	2.5	43.06	-4705	-146242	SLV 15	15029	32257	55356	2.5	6.86	Si
66	5X/2Y Ø8/15	-853	-127803	SLV 5	15366	36732	50429	2.5	43.06	-4705	-146110	SLV 15	15029	32257	55356	2.5	6.86	Si
95	5X/2Y Ø8/15	-853	-127671	SLV 5	15366	36732	50429	2.5	43.06	-4705	-145978	SLV 15	15029	32257	55356	2.5	6.86	Si
125	5X/2Y Ø8/15	-853	-127537	SLV 5	15366	36732	50429	2.5	43.06	-4705	-145844	SLV 15	15029	32257	55356	2.5	6.86	Si
154	5X/2Y Ø8/15	-853	-127406	SLV 5	15366	36732	50429	2.5	43.06	-4705	-145713	SLV 15	15029	32257	55356	2.5	6.86	Si
184	5X/2Y Ø8/15	-853	-127274	SLV 5	15366	36732	50429	2.5	43.06	-4705	-145580	SLV 15	15029	32257	55356	2.5	6.86	Si
213	5X/2Y Ø8/15	-853	-127143	SLV 5	15366	36732	50429	2.5	43.06	-4705	-145450	SLV 15	15029	32257	55356	2.5	6.86	Si
242	5X/2Y Ø8/10	-853	-127009	SLV 5	15366	51792	52691	2.35	60.71	-4705	-145316	SLV 15	15029	48385	55356	2.5	10.28	Si
272	5X/2Y Ø8/10	-853	-126876	SLV 5	15366	51792	52691	2.35	60.71	-4705	-145183	SLV 15	15029	48385	55356	2.5	10.28	Si
301	5X/2Y Ø8/10	-853	-126744	SLV 5	15366	51792	52691	2.35	60.71	-4705	-145051	SLV 15	15029	48385	55356	2.5	10.28	Si
331	5X/2Y Ø8/10	-853	-126612	SLV 5	15366	51792	52691	2.35	60.71	-4705	-144919	SLV 15	15029	48385	55356	2.5	10.28	Si
360	5X/2Y Ø8/10	-853	-126482	SLV 5	15366	51792	52691	2.35	60.71	-4705	-144789	SLV 15	15029	48385	55356	2.5	10.28	Si
380	5X/2Y Ø8/10	-1633	-106252	SLV 5	15366	51792	52691	2.35	31.71	2626	-108134	SLV 1	15029	48385	55356	2.5	18.42	Si
409	5X/2Y Ø8/10	-1633	-106122	SLV 5	15366	51792	52691	2.35	31.71	2626	-108003	SLV 1	15029	48385	55356	2.5	18.42	Si
438	5X/2Y Ø8/10	-1633	-105991	SLV 5	15366	51792	52691	2.35	31.71	2626	-107873	SLV 1	15029	48385	55356	2.5	18.42	Si
467	5X/2Y Ø8/14.4	-1633	-105861	SLV 5	15366	38145	50429	2.5	23.35	2626	-107742	SLV 1	15029	33497	55356	2.5	12.75	Si
496	5X/2Y Ø8/14.4	-1633	-105730	SLV 5	15366	38145	50429	2.5	23.35	2626	-107612	SLV 1	15029	33497	55356	2.5	12.75	Si
525	5X/2Y Ø8/14.4	-1633	-105600	SLV 5	15366	38145	50429	2.5	23.35	2626	-107481	SLV 1	15029	33497	55356	2.5	12.75	Si
554	5X/2Y Ø8/14.4	-1633	-105469	SLV 5	15366	38145	50429	2.5	23.35	2626	-107351	SLV 1	15029	33497	55356	2.5	12.75	Si
583	5X/2Y Ø8/14.4	-1633	-105339	SLV 5	15366	38145	50429	2.5	23.35	2626	-107220	SLV 1	15029	33497	55356	2.5	12.75	Si
612	5X/2Y Ø8/10	-1633	-105208	SLV 5	15366	51792	52691	2.35	31.71	2626	-107090	SLV 1	15029	48385	55356	2.5	18.42	Si
641	5X/2Y Ø8/10	-1633	-105078	SLV 5	15366	51792	52691	2.35	31.71	2626	-106959	SLV 1	15029	48385	55356	2.5	18.42	Si
670	5X/2Y Ø8/10	-1633	-104949	SLV 5	15366	51792	52691	2.35	31.71	2626	-106831	SLV 1	15029	48385	55356	2.5	18.42	Si
690	5X/2Y Ø8/10	-1568	-85066	SLV 5	15366	51792	52691	2.35	33.04	3363	-86521	SLV 1	15029	48385	55356	2.5	14.39	Si
719	5X/2Y Ø8/10	-1568	-84935	SLV 5	15366	51792	52691	2.35	33.04	3363	-86391	SLV 1	15029	48385	55356	2.5	14.39	Si
748	5X/2Y Ø8/10	-1568	-84805	SLV 5	15366	51792	52691	2.35	33.04	3363	-86260	SLV 1	15029	48385	55356	2.5	14.39	Si
777	5X/2Y Ø8/14.4	-1568	-84674	SLV 5	15366	38145	50429	2.5	24.33	3363	-86130	SLV 1	15029	33497	55356	2.5	9.96	Si
806	5X/2Y Ø8/14.4	-1568	-84544	SLV 5	15366	38145	50429	2.5	24.33	3363	-85999	SLV 1	15029	33497	55356	2.5	9.96	Si
835	5X/2Y Ø8/14.4	-1568	-84413	SLV 5	15366	38145	50429	2.5	24.33	3363	-85869	SLV 1	15029	33497	55356	2.5	9.96	Si
864	5X/2Y Ø8/14.4	-1568	-84283	SLV 5	15366	38145	50429	2.5	24.33	3363	-85738	SLV 1	15029	33497	55356	2.5	9.96	Si
893	5X/2Y Ø8/14.4	-1568	-84152	SLV 5	15366	38145	50429	2.5	24.33	3363	-85608	SLV 1	15029	33497	55356	2.5	9.96	Si
922	5X/2Y Ø8/10	-1568	-84022	SLV 5	15366	51792	52691	2.35	33.04	3363	-85477	SLV 1	15029	48385	55356	2.5	14.39	Si
951	5X/2Y Ø8/10	-1568	-83891	SLV 5	15366	51792	52691	2.35	33.04	3363	-85347	SLV 1	15029	48385	55356	2.5	14.39	Si
980	5X/2Y Ø8/10	-1568	-83763	SLV 5	15366	51792	52691	2.35	33.04	3363	-85218	SLV 1	15029	48385	55356	2.5	14.39	Si
1000	4X/2Y Ø8/10	-1313	-63729	SLV 5	12805	42315	43065	2.4	32.23	2459	-64833	SLV 1	12600	39534	45171	2.5	16.08	Si
1029	4X/2Y Ø8/10	-1313	-63621	SLV 5	12805	42315	43051	2.4	32.23	2459	-64724	SLV 1	12600	39534	45156	2.5	16.08	Si
1058	4X/2Y Ø8/10	-1313	-63512	SLV 5	12805	42315	43036	2.4	32.23	2459	-64615	SLV 1	12600	39534	45141	2.5	16.08	Si
1087	4X/2Y Ø8/14.4	-1313	-63403	SLV 5	12805	30516	41785	2.5	23.24	2459	-64507	SLV 1	12600	27370	45126	2.5	11.13	Si
1116	4X/2Y Ø8/14.4	-1313	-63294	SLV 5	12805	30516	41771	2.5	23.24	2459	-64398	SLV 1	12600	27370	45111	2.5	11.13	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1145	4X/2Y Ø8/14.4	-1313	-63186	SLV 5	12805	30516	41757	2.5	23.24	2459	-64289	SLV 1	12600	27370	45096	2.5	11.13	Si
1174	4X/2Y Ø8/14.4	-1313	-63077	SLV 5	12805	30516	41743	2.5	23.24	2459	-64180	SLV 1	12600	27370	45081	2.5	11.13	Si
1203	4X/2Y Ø8/14.4	-1313	-62968	SLV 5	12805	30516	41729	2.5	23.24	2459	-64072	SLV 1	12600	27370	45066	2.5	11.13	Si
1232	4X/2Y Ø8/10	-1313	-62859	SLV 5	12805	42315	42950	2.4	32.23	2459	-63963	SLV 1	12600	39534	45050	2.5	16.08	Si
1261	4X/2Y Ø8/10	-1313	-62751	SLV 5	12805	42315	42935	2.4	32.23	2459	-63854	SLV 1	12600	39534	45035	2.5	16.08	Si
1290	4X/2Y Ø8/10	-1313	-62644	SLV 5	12805	42315	42921	2.4	32.23	2459	-63747	SLV 1	12600	39534	45021	2.5	16.08	Si
1310	4X/2Y Ø8/10	-1391	-42315	SLV 5	11574	40552	41430	2.3	29.15	2687	-43240	SLV 1	11399	39534	42178	2.5	14.72	Si
1339	4X/2Y Ø8/10	-1391	-42206	SLV 5	11560	40552	41415	2.3	29.15	2687	-43131	SLV 1	11384	39534	42163	2.5	14.72	Si
1368	4X/2Y Ø8/10	-1391	-42097	SLV 5	11546	40552	41400	2.3	29.15	2687	-43022	SLV 1	11370	39534	42148	2.5	14.72	Si
1397	4X/2Y Ø8/14.4	-1391	-41988	SLV 5	11533	30516	39027	2.5	21.93	2687	-42914	SLV 1	11355	27370	42133	2.5	10.19	Si
1426	4X/2Y Ø8/14.4	-1391	-41880	SLV 5	11519	30516	39013	2.5	21.93	2687	-42805	SLV 1	11340	27370	42118	2.5	10.19	Si
1455	4X/2Y Ø8/14.4	-1391	-41771	SLV 5	11506	30516	38999	2.5	21.93	2687	-42696	SLV 1	11326	27370	42102	2.5	10.19	Si
1484	4X/2Y Ø8/14.4	-1391	-41662	SLV 5	11492	30516	38985	2.5	21.93	2687	-42587	SLV 1	11311	27370	42087	2.5	10.19	Si
1513	4X/2Y Ø8/14.4	-1391	-41553	SLV 5	11479	30516	38971	2.5	21.93	2687	-42479	SLV 1	11297	27370	42072	2.5	10.19	Si
1542	4X/2Y Ø8/10	-1391	-41445	SLV 5	11465	40552	41311	2.3	29.15	2687	-42370	SLV 1	11282	39534	42057	2.5	14.72	Si
1571	4X/2Y Ø8/10	-1391	-41336	SLV 5	11452	40552	41296	2.3	29.15	2687	-42261	SLV 1	11268	39534	42042	2.5	14.72	Si
1600	4X/2Y Ø8/10	-1391	-41229	SLV 5	11438	40552	41281	2.3	29.15	2687	-42154	SLV 1	11253	39534	42027	2.5	14.72	Si
1620	4X/2Y Ø8/10	2045	-24710	SLV 7	9382	38789	40205	2.2	18.97	3616	-20366	SLV 1	8334	38743	39578	2.45	10.72	Si
1649	4X/2Y Ø8/10	2045	-24601	SLV 7	9368	38789	40190	2.2	18.97	3616	-20258	SLV 1	8319	38743	39563	2.45	10.72	Si
1678	4X/2Y Ø8/10	2045	-24493	SLV 7	9355	38789	40174	2.2	18.97	3616	-20149	SLV 1	8305	38743	39548	2.45	10.72	Si
1707	4X/2Y Ø8/14.4	2045	-24384	SLV 7	9341	30516	36760	2.5	14.92	3616	-20040	SLV 1	8290	27370	38962	2.5	7.57	Si
1736	4X/2Y Ø8/14.4	2045	-24275	SLV 7	9328	30516	36746	2.5	14.92	3616	-19931	SLV 1	8275	27370	38947	2.5	7.57	Si
1765	4X/2Y Ø8/14.4	2045	-24166	SLV 7	9314	30516	36732	2.5	14.92	3616	-19823	SLV 1	8261	27370	38932	2.5	7.57	Si
1794	4X/2Y Ø8/14.4	2045	-24058	SLV 7	9301	30516	36718	2.5	14.92	3616	-19714	SLV 1	8246	27370	38917	2.5	7.57	Si
1823	4X/2Y Ø8/14.4	2045	-23949	SLV 7	9287	30516	36704	2.5	14.92	3616	-19605	SLV 1	8232	27370	38902	2.5	7.57	Si
1852	4X/2Y Ø8/10	2045	-23840	SLV 7	9273	38789	40083	2.2	18.97	3616	-19496	SLV 1	8217	38743	39456	2.45	10.72	Si
1881	4X/2Y Ø8/10	2045	-23731	SLV 7	9260	38789	40067	2.2	18.97	3616	-19388	SLV 1	8203	38743	39440	2.45	10.72	Si
1910	4X/2Y Ø8/10	2045	-23624	SLV 7	9247	38789	40052	2.2	18.97	3616	-19281	SLV 1	8188	38743	39425	2.45	10.72	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-358	-134968	SLD 5	19266	55098	50429	2.5	140.99	-2203	-142207	SLD 15	19310	48385	55356	2.5	21.96	Si
-111	5X/2Y Ø8/10	-358	-134838	SLD 5	19266	55098	50429	2.5	140.99	-2203	-142077	SLD 15	19310	48385	55356	2.5	21.96	Si
-81	5X/2Y Ø8/10	-358	-134706	SLD 5	19266	55098	50429	2.5	140.99	-2203	-141944	SLD 15	19310	48385	55356	2.5	21.96	Si
-52	5X/2Y Ø8/10	-358	-134573	SLD 5	19266	55098	50429	2.5	140.99	-2203	-141812	SLD 15	19310	48385	55356	2.5	21.96	Si
-22	5X/2Y Ø8/15	-358	-134441	SLD 5	19266	36732	50429	2.5	102.7	-2203	-141679	SLD 15	19310	32257	55356	2.5	14.64	Si
7	5X/2Y Ø8/15	-358	-134308	SLD 5	19266	36732	50429	2.5	102.7	-2203	-141547	SLD 15	19310	32257	55356	2.5	14.64	Si
36	5X/2Y Ø8/15	-358	-134176	SLD 5	19266	36732	50429	2.5	102.7	-2203	-141415	SLD 15	19310	32257	55356	2.5	14.64	Si
66	5X/2Y Ø8/15	-358	-134044	SLD 5	19266	36732	50429	2.5	102.7	-2203	-141282	SLD 15	19310	32257	55356	2.5	14.64	Si
95	5X/2Y Ø8/15	-358	-133911	SLD 5	19266	36732	50429	2.5	102.7	-2203	-141150	SLD 15	19310	32257	55356	2.5	14.64	Si
125	5X/2Y Ø8/15	-358	-133778	SLD 5	19266	36732	50429	2.5	102.7	-2203	-141016	SLD 15	19310	32257	55356	2.5	14.64	Si
154	5X/2Y Ø8/15	-358	-133647	SLD 5	19266	36732	50429	2.5	102.7	-2203	-140885	SLD 15	19310	32257	55356	2.5	14.64	Si
184	5X/2Y Ø8/15	-358	-133514	SLD 5	19266	36732	50429	2.5	102.7	-2203	-140753	SLD 15	19310	32257	55356	2.5	14.64	Si
213	5X/2Y Ø8/15	-358	-133384	SLD 5	19266	36732	50429	2.5	102.7	-2203	-140623	SLD 15	19310	32257	55356	2.5	14.64	Si
242	5X/2Y Ø8/10	-358	-133250	SLD 5	19266	55098	50429	2.5	140.99	-2203	-140488	SLD 15	19310	48385	55356	2.5	21.96	Si
272	5X/2Y Ø8/10	-358	-133117	SLD 5	19266	55098	50429	2.5	140.99	-2203	-140356	SLD 15	19310	48385	55356	2.5	21.96	Si
301	5X/2Y Ø8/10	-358	-132985	SLD 5	19266	55098	50429	2.5	140.99	-2203	-140224	SLD 15	19310	48385	55356	2.5	21.96	Si
331	5X/2Y Ø8/10	-358	-132853	SLD 5	19266	55098	50429	2.5	140.99	-2203	-140091	SLD 15	19310	48385	55356	2.5	21.96	Si
360	5X/2Y Ø8/10	-358	-132723	SLD 5	19266	55098	50429	2.5	140.99	-2203	-139961	SLD 15	19310	48385	55356	2.5	21.96	Si
380	5X/2Y Ø8/10	-914	-111568	SLD 5	19266	55098	50429	2.5	55.15	1238	-112314	SLD 1	19310	48385	55356	2.5	39.09	Si
409	5X/2Y Ø8/10	-914	-111438	SLD 5	19266	55098	50429	2.5	55.15	1238	-112184	SLD 1	19310	48385	55356	2.5	39.09	Si
438	5X/2Y Ø8/10	-914	-111307	SLD 5	19266	55098	50429	2.5	55.15	1238	-112053	SLD 1	19310	48385	55356	2.5	39.09	Si
467	5X/2Y Ø8/14.4	-914	-111177	SLD 5	19266	38145	50429	2.5	41.72	1238	-111923	SLD 1	19310	33497	55356	2.5	27.06	Si
496	5X/2Y Ø8/14.4	-914	-111046	SLD 5	19266	38145	50429	2.5	41.72	1238	-111792	SLD 1	19310	33497	55356	2.5	27.06	Si
525	5X/2Y Ø8/14.4	-914	-110916	SLD 5	19266	38145	50429	2.5	41.72	1238	-111662	SLD 1	19310	33497	55356	2.5	27.06	Si
554	5X/2Y Ø8/14.4	-914	-110785	SLD 5	19266	38145	50429	2.5	41.72	1238	-111531	SLD 1	19310	33497	55356	2.5	27.06	Si
583	5X/2Y Ø8/14.4	-914	-110655	SLD 5	19266	38145	50429	2.5	41.72	1238	-111401	SLD 1	19310	33497	55356	2.5	27.06	Si
612	5X/2Y Ø8/10	-914	-110524	SLD 5	19266	55098	50429	2.5	55.15	1238	-111270	SLD 1	19310	48385	55356	2.5	39.09	Si
641	5X/2Y Ø8/10	-914	-110394	SLD 5	19266	55098	50429	2.5	55.15	1238	-111140	SLD 1	19310	48385	55356	2.5	39.09	Si
670	5X/2Y Ø8/10	-914	-110265	SLD 5	19266	55098	50429	2.5	55.15	1238	-111012	SLD 1	19310	48385	55356	2.5	39.09	Si
690	5X/2Y Ø8/10	-848	-89405	SLD 5	18697	55098	50429	2.5	59.45	1376	-89991	SLD 1	18766	48385	55356	2.5	35.15	Si
719	5X/2Y Ø8/10	-848	-89274	SLD 5	18681	55098	50429	2.5	59.45	1376	-89860	SLD 1	18748	48385	55356	2.5	35.15	Si
748	5X/2Y Ø8/10	-848	-89144	SLD 5	18665	55098	50429	2.5	59.45	1376	-89730	SLD 1	18730	48385	55356	2.5	35.15	Si
777	5X/2Y Ø8/14.4	-848	-89013	SLD 5	18649	38145	50429	2.5	44.97	1376	-89599	SLD 1	18712	33497	55356	2.5	24.34	Si
806	5X/2Y Ø8/14.4	-848	-88883	SLD 5	18632	38145	50429	2.5	44.97	1376	-89469	SLD 1	18694	33497	55356	2.5	24.34	Si
835	5X/2Y Ø8/14.4	-848	-88752	SLD 5	18616	38145	50429	2.5	44.97	1376	-89338	SLD 1	18676	33497	55356	2.5	24.34	Si
864	5X/2Y Ø8/14.4	-848	-88622	SLD 5	18600	38145	50429	2.5	44.97	1376	-89208	SLD 1	18659	33497	55356	2.5	24.34	Si
893	5X/2Y Ø8/14.4	-848	-88491	SLD 5	18584	38145	50429	2.5	44.97	1376	-89077	SLD 1	18641	33497	55356	2.5	24.34	Si
922	5X/2Y Ø8/10	-848	-88361	SLD 5	18567	55098	50429	2.5	59.45	1376	-88947	SLD 1	18623	48385	55356	2.5	35.15	Si
951	5X/2Y Ø8/10	-848	-88230	SLD 5	18551	55098	50429	2.5	59.45	1376	-88816	SLD 1	18605	48385	55356	2.5	35.15	Si
980	5X/2Y Ø8/10	-848	-88102	SLD 5	18535	55098	50429	2.5	59.45	1376	-88688	SLD 1	18587	48385	55356	2.5	35.15	Si
1000	4X/2Y Ø8/10	-696	-67131	SLD 5	14663	44078	42024	2.5	60.38	1086	-67586	SLD 1	14661	39534	45230	2.5	36.4	Si
1029	4X/2Y Ø8/10	-696	-67023	SLD 5	14650	44078	42024	2.5	60.38	1086	-67477	SLD 1	14646	39534	45230	2.5	36.4	Si
1058	4X/2Y Ø8/10	-696	-66914	SLD 5	14636	44078	42024	2.5	60.38	1086	-67369	SLD 1	14632	39534	45230	2.5	36.4	Si
1087	4X/2Y Ø8/14.4	-696	-66805	SLD 5	14623	30516	42024	2.5	43.85	1086	-67260	SLD 1	14617	27370	45230	2.5	25.2	Si
1116	4X/2Y Ø8/14.4	-696	-66696	SLD 5	14609	30516	42024	2.5	43.85	1086	-67151	SLD 1	14603	27370	45230	2.5	25.2	Si
1145	4X/2Y Ø8/14.4	-696	-66588	SLD 5	14596	30516	42024	2.5	43.85	1086	-67042	SLD 1	14588	27370	45230	2.5	25.2	Si
1174	4X/2Y Ø8/14.4	-696	-66479	SLD 5	14582	30516	42024	2.5	43.85	1086	-66934	SLD 1	14574	27370	45230	2.5	25.2	Si
1203	4X/2Y Ø8/14.4	-696	-66370	SLD 5	14568	30516	42024	2.5	43.85	1086	-66825	SLD 1	14559	27370	45230	2.5	25.2	Si
1232	4X/2Y Ø8/10	-696	-66261	SLD 5	14555	44078	42024	2.5	60.38	1086	-66716	SLD 1	14544	39534	45230	2.5	36.4	Si
1261	4X/2Y Ø8/10	-696	-66153	SLD 5	14541	44078	42024	2.5	60.38	1086	-66607	SLD 1	14530	39534	45230	2.5	36.4	Si
1290	4X/2Y Ø8/10	-696	-66046	SLD 5	14528	44078	42024	2.5	60.38	1086	-66501	SLD 1	14516	39534	45230	2.5	36.4	Si
1310	4X/2Y Ø8/10	-874	-44865	SLD 5	11891	44078	39398	2.5	45.07	1226	-45252	SLD 1	11668	39534	42457	2.5	32.24	Si
1339	4X/2Y Ø8/10	-874	-44756	SLD 5	11878	44078	39384	2.5	45.06	1226	-45144	SLD 1	11654	39534	42442	2.5	32.24	Si
1368	4X/2Y Ø8/10	-874	-44647	SLD 5	11864	44078	39370	2.5	45.04	1226	-45035	SLD 1	11639	39534	42427	2.5	32.24	Si
1397	4X/2Y Ø8/14.4	-874	-44539	SLD 5	11850	30516	39356	2.5	34.91	1226	-44926	SLD 1	11625	27370	42412	2.5	22.32	Si
1426	4X/2Y Ø8/14.4	-874	-44430	SLD 5	11837	30516	39342	2.5	34.91	1226	-44817	SLD 1	11610	27370	42397	2.5	22.32	Si
1455	4X/2Y Ø8/14.4	-874	-44321	SLD 5	11823	30516	39328	2.5	34.91	1226	-44709	SLD 1	11595	27370	42381	2.5	22.32	Si
1484	4X/2Y Ø8/14.4	-874	-44212	SLD 5	11810	30516	39314	2.5	34.91	1226	-44600	SLD 1	11581	27370	42366	2.5	22.32	Si
1513	4X/2Y Ø8/14.4	-874	-44104	SLD 5	11796	30516	39300	2.5	34.91	1226	-44491	SLD 1	11566	27370	42351	2.5	22.32	Si
1542	4X/2Y Ø8/10	-874	-43995	SLD 5	11783	44078	39286	2.5	44.94	1226	-44382	SLD 1	11552	39534	42336	2.5	32.24	Si
1571	4X/2Y Ø8/10	-874	-43886	SLD 5	11769	44078	39272	2.5	44.93	1226	-44274	SLD 1	11537	39534	42321	2.5	32.24	Si
1600	4X/2Y Ø8/10	-874	-43779	SLD 5	11756	44078	39258	2.5	44.91	1226	-44167	SLD 1	11523	39534	42306	2.5	32.24	Si
1620	4X/2Y Ø8/10	1081	-23559	SLD 7	9238	44078	36654	2.5	33.9	1876	-21669	SLD 1	8508	39534	39188	2.5	20.88	Si
1649	4X/2Y Ø8/10	1081	-23450	SLD 7	9225	44078	36640	2.5	33.89	1876	-21560	SLD 1	8494	39534	39173	2.5	20.88	Si
1678	4X/2Y Ø8/10	1081	-23341	SLD 7	9211	44078	36626	2.5	33.88	1876	-21452	SLD 1	8479	39534	39158	2.5	20.87	Si
1707	4X/2Y Ø8/14.4	1081	-23233	SLD 7	9198	30516	36612	2.5	28.23	1876	-21343	SLD 1	8465	27370	39143	2.5	14.59	Si
1736	4X/2Y Ø8/14.4	1081	-23124	SLD 7	9184	30516	36598	2.5	28.23	1876	-21234	SLD 1	8450	27370	39127	2.5	14.59	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1765	4X/2Y Ø8/14.4	1081	-23015	SLD 7	9171	30516	36584	2.5	28.23	1876	-21125	SLD 1	8435	27370	39112	2.5	14.59	Si
1794	4X/2Y Ø8/14.4	1081	-22906	SLD 7	9157	30516	36570	2.5	28.23	1876	-21017	SLD 1	8421	27370	39097	2.5	14.59	Si
1823	4X/2Y Ø8/14.4	1081	-22798	SLD 7	9144	30516	36556	2.5	28.23	1876	-20908	SLD 1	8406	27370	39082	2.5	14.59	Si
1852	4X/2Y Ø8/10	1081	-22689	SLD 7	9130	44078	36542	2.5	33.8	1876	-20799	SLD 1	8392	39534	39067	2.5	20.82	Si
1881	4X/2Y Ø8/10	1081	-22580	SLD 7	9117	44078	36528	2.5	33.79	1876	-20690	SLD 1	8377	39534	39052	2.5	20.81	Si
1910	4X/2Y Ø8/10	1081	-22473	SLD 7	9103	44078	36514	2.5	33.77	1876	-20584	SLD 1	8363	39534	39037	2.5	20.8	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	220534	2251	-160179	SLE RA 12	-86.9	220534	2251	-160179	SLE RA 12	-1274.1	Si
-111	202872	856	-160049	SLE RA 12	-85.8	202872	856	-160049	SLE RA 12	-1261.6	Si
-81	184904	-563	-159917	SLE RA 12	-84.9	184904	-563	-159917	SLE RA 12	-1249.9	Si
-52	166936	-1983	-159785	SLE RA 12	-84.1	166936	-1983	-159785	SLE RA 12	-1239.7	Si
-22	148968	-3402	-159652	SLE RA 12	-83.3	148968	-3402	-159652	SLE RA 12	-1229.5	Si
7	131001	-4821	-159520	SLE RA 12	-82.6	131001	-4821	-159520	SLE RA 12	-1219.4	Si
36	113033	-6240	-159387	SLE RA 12	-81.8	113033	-6240	-159387	SLE RA 12	-1209.2	Si
66	95065	-7660	-159255	SLE RA 12	-81	95065	-7660	-159255	SLE RA 12	-1199	Si
95	77098	-9079	-159123	SLE RA 12	-80.2	77098	-9079	-159123	SLE RA 12	-1188.8	Si
125	58950	-10512	-158989	SLE RA 12	-79.4	58950	-10512	-158989	SLE RA 12	-1178.5	Si
154	40955	-12084	-158880	SLE RA 13	-78.6	40955	-12084	-158880	SLE RA 13	-1168.6	Si
184	26980	-13178	-158748	SLE RA 13	-78	26980	-13178	-158748	SLE RA 13	-1160.5	Si
213	13214	-14257	-158618	SLE RA 13	-77.4	13214	-14257	-158618	SLE RA 13	-1152.4	Si
242	-12741	-16175	-158461	SLE RA 12	-77.5	-12741	-16175	-158461	SLE RA 12	-1152.7	Si
272	-30709	-17594	-158329	SLE RA 12	-78.4	-30709	-17594	-158329	SLE RA 12	-1163.6	Si
301	-48677	-19014	-158196	SLE RA 12	-79.3	-48677	-19014	-158196	SLE RA 12	-1174.4	Si
331	-66644	-20433	-158064	SLE RA 12	-80.2	-66644	-20433	-158064	SLE RA 12	-1185.2	Si
360	-84307	-21828	-157934	SLE RA 12	-81.1	-84307	-21828	-157934	SLE RA 12	-1195.8	Si
380	-104220	84468	-133242	SLE RA 12	-76.1	-104220	84468	-133242	SLE RA 12	-1086.6	Si
409	-90255	69382	-133111	SLE RA 12	-74	-90255	69382	-133111	SLE RA 12	-1064.1	Si
438	-76291	54296	-132981	SLE RA 12	-71.9	-76291	54296	-132981	SLE RA 12	-1041.7	Si
467	-62327	39209	-132850	SLE RA 12	-69.8	-62327	39209	-132850	SLE RA 12	-1019.3	Si
496	-48362	24123	-132720	SLE RA 12	-67.6	-48362	24123	-132720	SLE RA 12	-996.9	Si
525	-34398	9036	-132589	SLE RA 12	-65.5	-34398	9036	-132589	SLE RA 12	-974.4	Si
554	-20434	-6050	-132459	SLE RA 12	-64.5	-20434	-6050	-132459	SLE RA 12	-962.7	Si
583	-6469	-21137	-132328	SLE RA 12	-65.2	-6469	-21137	-132328	SLE RA 12	-966.9	Si
612	11640	-35483	-132223	SLE RA 13	-66.7	11640	-35483	-132223	SLE RA 13	-981.9	Si
641	23899	-50251	-132092	SLE RA 13	-68.6	23899	-50251	-132092	SLE RA 13	-1001.2	Si
670	35183	-66136	-131939	SLE RA 12	-70.5	35183	-66136	-131939	SLE RA 12	-1020.7	Si
690	-21431	66873	-107560	SLE RA 12	-58.3	-21431	66873	-107560	SLE RA 12	-839.3	Si
719	-15130	53866	-107429	SLE RA 12	-56.8	-15130	53866	-107429	SLE RA 12	-823.2	Si
748	-8829	40860	-107299	SLE RA 12	-55.2	-8829	40860	-107299	SLE RA 12	-807.1	Si
777	-2528	27854	-107168	SLE RA 12	-53.7	-2528	27854	-107168	SLE RA 12	-791	Si
806	3773	14847	-107038	SLE RA 12	-52.5	3773	14847	-107038	SLE RA 12	-779.3	Si
835	10087	1763	-106925	SLE RA 13	-51.5	10087	1763	-106925	SLE RA 13	-770.6	Si
864	16376	-11165	-106777	SLE RA 12	-52.6	16376	-11165	-106777	SLE RA 12	-781.5	Si
893	22677	-24172	-106646	SLE RA 12	-54	22677	-24172	-106646	SLE RA 12	-795.8	Si
922	28978	-37178	-106516	SLE RA 12	-55.5	28978	-37178	-106516	SLE RA 12	-810	Si
951	35279	-50184	-106385	SLE RA 12	-56.8	35279	-50184	-106385	SLE RA 12	-822.7	Si
980	41472	-62967	-106257	SLE RA 12	-55.3	41472	-62967	-106257	SLE RA 12	-796.8	Si
1000	-32658	53508	-81766	SLE RA 12	-53.3	-32658	53508	-81766	SLE RA 12	-761.5	Si
1029	-23825	43718	-81657	SLE RA 12	-52.6	-23825	43718	-81657	SLE RA 12	-758.1	Si
1058	-14991	33928	-81549	SLE RA 12	-51.6	-14991	33928	-81549	SLE RA 12	-750.9	Si
1087	-6158	24139	-81440	SLE RA 12	-49.9	-6632	23682	-81452	SLE RA 13	-732.3	Si
1116	2675	14349	-81331	SLE RA 12	-48.5	2675	14349	-81331	SLE RA 12	-718.1	Si
1145	11509	4559	-81222	SLE RA 12	-47.9	11509	4559	-81222	SLE RA 12	-713.9	Si
1174	20342	-5231	-81114	SLE RA 12	-48.6	20342	-5231	-81114	SLE RA 12	-720.8	Si
1203	29176	-15021	-81005	SLE RA 12	-50.2	29176	-15021	-81005	SLE RA 12	-737.5	Si
1232	38009	-24811	-80896	SLE RA 12	-51.8	38009	-24811	-80896	SLE RA 12	-754.1	Si
1261	46842	-34600	-80787	SLE RA 12	-53.4	46842	-34600	-80787	SLE RA 12	-770.8	Si
1290	55524	-44221	-80680	SLE RA 12	-55	55524	-44221	-80680	SLE RA 12	-787.2	Si
1310	-43798	72442	-56122	SLE RA 13	-43.2	-43798	72442	-56122	SLE RA 13	-596.3	Si
1339	-33337	54876	-56014	SLE RA 13	-40.5	-33337	54876	-56014	SLE RA 13	-568.1	Si
1368	-22877	37309	-55905	SLE RA 13	-37.8	-22877	37309	-55905	SLE RA 13	-540	Si
1397	-12416	19743	-55796	SLE RA 13	-35.1	-12416	19743	-55796	SLE RA 13	-511.8	Si
1426	-1956	2176	-55687	SLE RA 13	-32.4	-1956	2176	-55687	SLE RA 13	-483.6	Si
1455	9442	-15673	-55570	SLE RA 12	-34.3	9442	-15673	-55570	SLE RA 12	-503.1	Si
1484	19081	-33601	-55461	SLE RA 12	-36.9	19081	-33601	-55461	SLE RA 12	-529.1	Si
1513	28720	-51530	-55353	SLE RA 12	-39.5	28720	-51530	-55353	SLE RA 12	-555.1	Si
1542	38359	-69459	-55244	SLE RA 12	-42	38359	-69459	-55244	SLE RA 12	-581.2	Si
1571	47998	-87387	-55135	SLE RA 12	-44.6	50347	-85656	-55144	SLE RA 13	-607.3	Si
1600	57471	-105007	-55028	SLE RA 12	-47.2	60627	-102919	-55037	SLE RA 13	-633.2	Si
1620	-95440	7725	-28503	SLE RA 10	-23.8	-95440	7725	-28503	SLE RA 10	-331	Si
1649	-68700	19036	-28395	SLE RA 10	-23.1	-68192	16141	-28825	SLE RA 12	-320.7	Si
1678	-41224	28981	-28716	SLE RA 12	-22.5	-41224	28981	-28716	SLE RA 12	-311.7	Si
1707	-14256	41822	-28608	SLE RA 12	-22	-14256	41822	-28608	SLE RA 12	-302.7	Si
1736	13389	54934	-28505	SLE RA 13	-23.4	13389	54934	-28505	SLE RA 13	-315.1	Si
1765	40649	68027	-28396	SLE RA 13	-26.6	40649	68027	-28396	SLE RA 13	-350.2	Si
1794	67908	81121	-28287	SLE RA 13	-29.9	67908	81121	-28287	SLE RA 13	-385.3	Si
1823	95167	94215	-28179	SLE RA 13	-33.1	95167	94215	-28179	SLE RA 13	-420.4	Si
1852	122426	107308	-28070	SLE RA 13	-36.4	122426	107308	-28070	SLE RA 13	-455.5	Si
1881	149686	120402	-27961	SLE RA 13	-39.6	149686	120402	-27961	SLE RA 13	-490.6	Si
1910	176475	133270	-27854	SLE RA 13	-42.8	176475	133270	-27854	SLE RA 13	-525.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	203223	-289	-139045	SLE QP 2	-75.8	Si
-111	186542	-1351	-138915	SLE QP 2	-75.1	Si
-81	169572	-2432	-138783	SLE QP 2	-74.3	Si
-52	152602	-3513	-138651	SLE QP 2	-73.5	Si
-22	135633	-4594	-138518	SLE QP 2	-72.8	Si
7	118663	-5675	-138386	SLE QP 2	-72	Si
36	101693	-6756	-138253	SLE QP 2	-71.2	Si
66	84724	-7836	-138121	SLE QP 2	-70.5	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
95	67754	-8917	-137989	SLE QP 2	-69.7	Si
125	50615	-10009	-137855	SLE QP 2	-68.9	Si
154	33815	-11079	-137724	SLE QP 2	-68.1	Si
184	16845	-12160	-137592	SLE QP 2	-67.4	Si
213	130	-13224	-137461	SLE QP 2	-66.6	Si
242	-17094	-14321	-137327	SLE QP 2	-67.5	Si
272	-34064	-15402	-137195	SLE QP 2	-68.3	Si
301	-51034	-16483	-137062	SLE QP 2	-69.1	Si
331	-68003	-17564	-136930	SLE QP 2	-70	Si
360	-84684	-18626	-136800	SLE QP 2	-70.8	Si
380	-80374	73614	-115081	SLE QP 2	-65.3	Si
409	-70345	60464	-114950	SLE QP 2	-63.6	Si
438	-60316	47314	-114820	SLE QP 2	-61.8	Si
467	-50286	34163	-114689	SLE QP 2	-60.1	Si
496	-40257	21013	-114559	SLE QP 2	-58.3	Si
525	-30228	7863	-114428	SLE QP 2	-56.6	Si
554	-20198	-5288	-114298	SLE QP 2	-55.8	Si
583	-10169	-18438	-114167	SLE QP 2	-56.5	Si
612	-140	-31588	-114037	SLE QP 2	-57.2	Si
641	9890	-44738	-113906	SLE QP 2	-58.8	Si
670	19746	-57662	-113778	SLE QP 2	-60.3	Si
690	-7371	57576	-92325	SLE QP 2	-49.5	Si
719	-4368	46328	-92194	SLE QP 2	-48.3	Si
748	-1364	35080	-92064	SLE QP 2	-47.1	Si
777	1639	23831	-91933	SLE QP 2	-46	Si
806	4643	12583	-91803	SLE QP 2	-45.1	Si
835	7646	1335	-91672	SLE QP 2	-44.1	Si
864	10650	-9913	-91542	SLE QP 2	-45	Si
893	13653	-21161	-91411	SLE QP 2	-46.1	Si
922	16657	-32410	-91281	SLE QP 2	-47.2	Si
951	19660	-43658	-91150	SLE QP 2	-48.2	Si
980	22612	-54712	-91022	SLE QP 2	-46.9	Si
1000	-19690	46812	-69486	SLE QP 2	-44.9	Si
1029	-13780	38152	-69377	SLE QP 2	-44.3	Si
1058	-7870	29492	-69268	SLE QP 2	-43.6	Si
1087	-1960	20831	-69159	SLE QP 2	-42.2	Si
1116	3950	12171	-69051	SLE QP 2	-41.3	Si
1145	9861	3510	-68942	SLE QP 2	-40.7	Si
1174	15771	-5150	-68833	SLE QP 2	-41.2	Si
1203	21681	-13810	-68724	SLE QP 2	-42.5	Si
1232	27591	-22471	-68616	SLE QP 2	-43.8	Si
1261	33501	-31131	-68507	SLE QP 2	-45.1	Si
1290	39309	-39642	-68400	SLE QP 2	-46.4	Si
1310	-26529	64571	-46705	SLE QP 2	-35.8	Si
1339	-19588	48980	-46597	SLE QP 2	-33.5	Si
1368	-12647	33390	-46488	SLE QP 2	-31.3	Si
1397	-5705	17800	-46379	SLE QP 2	-29	Si
1426	1236	2210	-46270	SLE QP 2	-26.9	Si
1455	8178	-13380	-46162	SLE QP 2	-28.6	Si
1484	15119	-28970	-46053	SLE QP 2	-30.7	Si
1513	22060	-44560	-45944	SLE QP 2	-32.8	Si
1542	29002	-60150	-45835	SLE QP 2	-35	Si
1571	35943	-75740	-45727	SLE QP 2	-37.1	Si
1600	42765	-91061	-45620	SLE QP 2	-39.2	Si
1620	-70284	4599	-22678	SLE QP 2	-18.3	Si
1649	-50146	15031	-22569	SLE QP 2	-18.1	Si
1678	-30008	25463	-22460	SLE QP 2	-17.8	Si
1707	-9870	35895	-22351	SLE QP 2	-17.5	Si
1736	10268	46326	-22243	SLE QP 2	-18.6	Si
1765	30406	56758	-22134	SLE QP 2	-21.1	Si
1794	50544	67190	-22025	SLE QP 2	-23.5	Si
1823	70682	77622	-21916	SLE QP 2	-26	Si
1852	90820	88054	-21808	SLE QP 2	-28.5	Si
1881	110957	98485	-21699	SLE QP 2	-31	Si
1910	130748	108737	-21592	SLE QP 2	-33.4	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

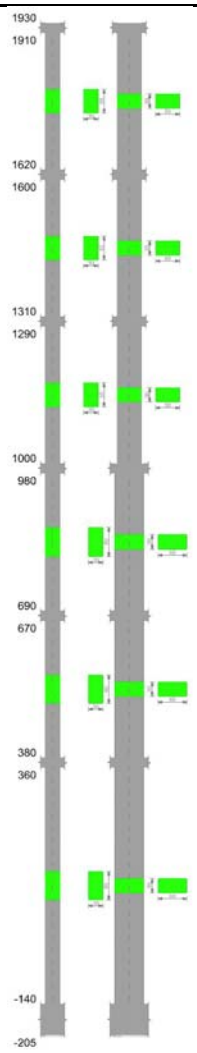
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.

Pilastro 5

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60	No	No	No	No		C30/37	B450C	
380	670	R 30x60	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	
1620	1910	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.10	-9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	-9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.11	-9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	-9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	-604161	-604161	-222732	-818158	-818158	SLU 51	1.354	Si
-111	20.11	2.2	0	1,2	-603702	-603702	-222563	-818158	-818158	SLU 51	1.355	Si
-81	20.11	1.1	0	2	-603235	-603235	-222391	-818158	-818158	SLU 51	1.356	Si
-52	20.11	1.1	0	2	-602769	-602769	-222219	-818158	-818158	SLU 51	1.357	Si
-22	20.11	1.1	0	2	-602302	-602302	-222047	-818158	-818158	SLU 51	1.358	Si
7	20.11	1.1	0	2	-601835	-601835	-221875	-818158	-818158	SLU 51	1.359	Si
36	20.11	1.1	0	2	-601369	-601369	-221703	-818158	-818158	SLU 51	1.36	Si
66	20.11	1.1	0	2	-600902	-600902	-221531	-818158	-818158	SLU 51	1.362	Si
95	20.11	1.1	0	2	-600435	-600435	-221359	-818158	-818158	SLU 51	1.363	Si
125	20.11	1.1	0	2	599964	-599964	-221185	818158	-818158	SLU 51	1.364	Si
154	20.11	1.1	0	2	599502	599502	-221014	818158	818158	SLU 51	1.365	Si
184	20.11	1.1	0	2	599035	599035	-220842	818158	818158	SLU 51	1.366	Si
213	20.11	1.1	0	2	598575	598575	-220673	818158	818158	SLU 51	1.367	Si
242	20.11	1.1	0	2	598102	598102	-220498	818158	818158	SLU 51	1.368	Si
272	20.11	1.1	0	2	597635	597635	-220326	818158	818158	SLU 51	1.369	Si
301	20.11	1.1	0	2	597168	597168	-220154	818158	818158	SLU 51	1.37	Si
331	20.11	1.1	0	2	596702	596702	-219982	818158	818158	SLU 51	1.371	Si
360	20.11	1.1	0	2	596243	596243	-219813	818158	818158	SLU 51	1.372	Si
380	20.11	2.2	0	2,3	-357362	-357362	-178681	-647491	-647491	SLU 51	1.812	Si
409	20.11	2.2	0	2,3	-357023	-357023	-178511	-647491	-647491	SLU 51	1.814	Si
438	20.11	1.1	0	3	-356684	-356684	-178342	-647491	-647491	SLU 51	1.815	Si
467	20.11	1.1	0	3	-356344	-356344	-178172	-647491	-647491	SLU 51	1.817	Si
496	20.11	1.1	0	3	356005	-356005	-178002	647491	-647491	SLU 51	1.819	Si
525	20.11	1.1	0	3	355666	355666	-177833	647491	647491	SLU 51	1.821	Si
554	20.11	1.1	0	3	355326	355326	-177663	647491	647491	SLU 51	1.822	Si
583	20.11	1.1	0	3	354987	354987	-177494	647491	647491	SLU 51	1.824	Si
612	20.11	1.1	0	3	354648	354648	-177324	647491	647491	SLU 51	1.826	Si
641	20.11	1.1	0	3	354308	354308	-177154	647491	647491	SLU 51	1.827	Si
670	20.11	1.1	0	3	353969	353969	-176985	647491	647491	SLU 51	1.829	Si
690	20.11	2.2	0	3,4,6,7	-271645	-271645	-135823	-647491	-647491	SLU 51	2.384	Si
719	20.11	2.2	0	3,4,6,7	-271312	-271312	-135656	-647491	-647491	SLU 51	2.387	Si
748	20.11	1.1	0	4,6,7	-270973	-270973	-135486	-647491	-647491	SLU 51	2.39	Si
777	20.11	1.1	0	4,6,7	-270633	-270633	-135317	-647491	-647491	SLU 51	2.393	Si
806	20.11	1.1	0	4,6,7	-270294	-270294	-135147	-647491	-647491	SLU 51	2.396	Si
835	20.11	1.1	0	4,6,7	269955	269955	-134977	647491	647491	SLU 51	2.399	Si
864	20.11	1.1	0	4,6,7	269615	269615	-134808	647491	647491	SLU 51	2.402	Si
893	20.11	1.1	0	4,6,7	269276	269276	-134638	647491	647491	SLU 51	2.405	Si
922	20.11	1.1	0	4,6,7	268937	268937	-134468	647491	647491	SLU 51	2.408	Si
951	20.37	1.6	0	4,5,6,7	268598	268598	-134299	649217	649217	SLU 51	2.417	Si
980	27.42	2	0	4,5,6,7	268264	268264	-134132	695580	695580	SLU 51	2.593	Si
1000	20.11	2.4	0	5,6,7,8	-185715	-185715	-92857	-556148	-556148	SLU 51	2.995	Si
1029	17.8	2.4	0	5,6,7,8	-185432	-185432	-92716	-541580	-541580	SLU 51	2.921	Si
1058	16.08	1.1	0	8	-185149	-185149	-92575	-530708	-530708	SLU 51	2.866	Si
1087	16.08	1.1	0	8	-184867	-184867	-92433	-530708	-530708	SLU 51	2.871	Si
1116	16.08	1.1	0	8	184584	-184584	-92292	530708	-530708	SLU 51	2.875	Si
1145	16.08	1.1	0	8	184301	-184301	-92151	530708	-530708	SLU 51	2.88	Si
1174	16.08	1.1	0	8	184018	-184018	-92009	530708	-530708	SLU 51	2.884	Si
1203	16.08	1.1	0	8	183736	-183736	-91868	530708	-530708	SLU 51	2.888	Si
1232	16.08	1.1	0	8	183453	-183453	-91726	530708	-530708	SLU 51	2.893	Si
1261	16.08	1.1	0	8	194597	-183081	-91540	562056	-528794	SLU 52	2.888	Si
1290	16.08	1.1	0	8	229190	-182798	-91399	654958	-522383	SLU 52	2.858	Si
1310	16.08	2.1	0	8,9	-197539	99846	-49923	-974949	492788	SLU 52	4.935	Si
1339	16.08	2.1	0	8,9	-167707	99568	-49784	-851390	505475	SLU 52	5.077	Si
1368	16.08	1.1	0	9	-137350	99285	-49643	-716164	517688	SLU 52	5.214	Si
1397	16.08	1.1	0	9	-107113	99035	-49518	-571301	528217	SLU 51	5.334	Si
1426	16.08	1.1	0	9	-98753	98753	-49376	-530708	530708	SLU 51	5.374	Si
1455	16.08	1.1	0	9	-98470	98470	-49235	-530708	530708	SLU 51	5.39	Si
1484	16.08	1.1	0	9	-98187	98187	-49094	-530708	530708	SLU 51	5.405	Si
1513	16.08	1.1	0	9	97904	98725	-48952	530027	534470	SLU 51	5.414	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1542	16.08	1.1	0	9	97622	107383	-48811	522706	574975	SLU 51	5.354	Si
1571	16.08	1.1	0	9	97339	116042	-48669	515525	614580	SLU 51	5.296	Si
1600	16.08	1.1	0	9	99030	124551	-48530	517741	651168	SLU 51	5.228	Si
1620	16.08	2.1	0	9,10,11	-210935	-333163	-23490	-769446	-1215310	SLU 51	3.648	Si
1649	16.08	2.1	0	9,10,11	-152018	-262610	-23349	-731691	-1263985	SLU 51	4.813	Si
1678	16.08	1.1	0	10,11	-93102	-192056	-23207	-605392	-1248833	SLU 51	6.502	Si
1707	16.08	1.1	0	10,11	-46125	-121955	-23062	-407101	-1076387	SLU 52	8.826	Si
1736	16.08	1.1	0	10,11	45842	-51562	-22921	520762	-585741	SLU 52	11.36	Si
1765	16.08	1.1	0	10,11	86311	45559	-22780	940728	496559	SLU 52	10.899	Si
1794	16.08	1.1	0	10,11	144844	89224	-22638	1232350	759128	SLU 52	8.508	Si
1823	16.08	1.1	0	10,11	203376	159617	-22497	1235761	969868	SLU 52	6.076	Si
1852	16.08	1.1	0	10,11	260395	231265	-22359	1162191	1032180	SLU 51	4.463	Si
1881	16.08	1.1	0	10,11	319311	301819	-22218	1081084	1021860	SLU 51	3.386	Si
1910	16.08	1.1	0	10,11	378227	372372	-22076	1005931	990359	SLU 51	2.66	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	-1099699	-401213	-146358	-2.02	1.92	-1599130	-583425	SLV 11	1.454				Si
-111	20.11	2.2	0	1,2	-1012131	-362491	-146228	-2.02	1.92	-1542675	-552504	SLV 11	1.524				Si
-81	20.11	1.1	0	2	-923058	-323100	-146096	-2.02	1.92	-1475327	-516413	SLV 11	1.598				Si
-52	20.11	1.1	0	2	-833998	-283710	-145963	-2.02	1.92	-1397441	-475383	SLV 11	1.676				Si
-22	20.11	1.1	0	2	-744958	-244322	-145831	-2.02	1.92	-1308609	-429181	SLV 11	1.757				Si
7	20.11	1.1	0	2	-655942	-204935	-145699	-2.02	1.92	-1209371	-377842	SLV 11	1.844				Si
36	20.11	1.1	0	2	-566962	-165552	-145566	-2.02	1.92	-1099675	-321104	SLV 11	1.94				Si
66	20.11	1.1	0	2	-478040	-126176	-145434	-2.02	1.92	-978006	-258139	SLV 11	2.046				Si
95	20.11	1.1	0	2	-389205	-86816	-145302	-2.02	1.92	-842205	-187863	SLV 11	2.164				Si
125	20.11	1.1	0	2	-299630	-47118	-145168	-2.02	1.92	-679622	-106874	SLV 11	2.268				Si
154	20.11	1.1	0	2	-212173	-8131	-145037	-2.02	1.92	-481687	-18460	SLV 11	2.27				Si
184	20.11	1.1	0	2	-124698	31974	-144904	-2.02	1.92	-283353	72656	SLV 11	2.272				Si
213	20.11	1.1	0	2	-41654	70425	-144774	-2.02	1.92	-94738	160173	SLV 11	2.274				Si
242	20.11	1.1	0	2	35468	110354	-144640	-2.02	1.92	80742	251220	SLV 11	2.276				Si
272	20.11	1.1	0	2	130647	203509	-141819	-2.02	1.92	291681	454353	SLV 15	2.233				Si
301	20.11	1.1	0	2	194463	257377	-141686	-2.02	1.92	409770	542342	SLV 15	2.107				Si
331	20.11	1.1	0	2	260335	311255	-141554	-2.02	1.92	519091	620621	SLV 15	1.994				Si
360	20.11	1.1	0	2	325528	364221	-141424	-2.02	1.92	616433	689704	SLV 15	1.894				Si
380	20.11	2.2	0	2,3	-220986	-452870	-115032	-2.02	1.92	-463848	-950571	SLV 15	2.099				Si
409	20.11	2.2	0	2,3	-173868	-364576	-114902	-2.02	1.92	-395959	-830267	SLV 15	2.277				Si
438	20.11	1.1	0	3	-128111	-276323	-114771	-2.02	1.92	-317933	-685750	SLV 15	2.482				Si
467	20.11	1.1	0	3	-85539	-188170	-114641	-2.02	1.92	-232908	-512359	SLV 15	2.723				Si
496	20.11	1.1	0	3	-53301	-70977	-116553	-2.02	1.92	-150579	-200515	SLV 11	2.825				Si
525	20.11	1.1	0	3	53588	-8228	-116423	-2.02	1.92	151558	-23269	SLV 11	2.828				Si
554	20.11	1.1	0	3	121162	57575	-116292	-2.02	1.92	343059	163018	SLV 11	2.831				Si
583	20.11	1.1	0	3	141148	166668	-114119	-2.02	1.92	385042	454657	SLV 15	2.728				Si
612	20.11	1.1	0	3	187258	254752	-113988	-2.02	1.92	465830	633732	SLV 15	2.488				Si
641	20.11	1.1	0	3	234542	342981	-113858	-2.02	1.92	535936	783723	SLV 15	2.285				Si
670	20.11	1.1	0	3	282427	431263	-113727	-2.02	1.92	595168	908817	SLV 15	2.107				Si
690	20.11	2.2	0	3,4,6,7	-295230	-428416	-87311	-2.02	1.92	-711294	-1032180	SLV 15	2.409				Si
719	20.11	2.2	0	3,4,6,7	-237383	-340018	-87183	-2.02	1.92	-640767	-917810	SLV 15	2.699				Si
748	20.11	1.1	0	4,6,7	-179060	-250131	-87052	-2.02	1.92	-541699	-756706	SLV 15	3.025				Si
777	20.11	1.1	0	4,6,7	-121997	-160408	-86922	-2.02	1.92	-417290	-548674	SLV 15	3.42				Si
806	20.11	1.1	0	4,6,7	-90522	-50874	-88215	-2.02	1.92	-337879	-189891	SLV 11	3.733				Si
835	20.11	1.1	0	4,6,7	-23382	18136	-88085	-2.02	1.92	-87404	67796	SLV 11	3.738				Si
864	20.11	1.1	0	4,6,7	81457	111968	-86530	-2.02	1.92	302238	415446	SLV 15	3.71				Si
893	20.11	1.1	0	4,6,7	133997	201336	-86400	-2.02	1.92	437510	657380	SLV 15	3.265				Si
922	20.11	1.1	0	4,6,7	190909	291136	-86269	-2.02	1.92	554979	846343	SLV 15	2.907				Si
951	20.37	1.6	0	4,5,6,7	249174	381050	-86139	-2.02	1.92	648334	991466	SLV 15	2.602				Si
980	27.42	2	0	4,5,6,7	306994	469460	-86011	-2.02	1.92	763796	1168009	SLV 15	2.488				Si
1000	20.11	2.4	0	5,6,7,8	-214421	-332572	-59814	-2.02	1.92	-593524	-920570	SLV 15	2.768				Si
1029	17.8	2.4	0	5,6,7,8	-163951	-273222	-59705	-2.02	1.92	-502774	-837866	SLV 15	3.067				Si
1058	16.08	1.1	0	8	-114343	-213962	-59596	-2.02	1.92	-389338	-728542	SLV 15	3.405				Si
1087	16.08	1.1	0	8	-66983	-154925	-59487	-2.02	1.92	-258047	-596833	SLV 15	3.852				Si
1116	16.08	1.1	0	8	17473	-96830	-59379	-2.02	1.92	77257	-428126	SLV 15	4.421				Si
1145	16.08	1.1	0	8	77787	-34883	-60098	-2.02	1.92	351764	-157744	SLV 11	4.522				Si
1174	16.08	1.1	0	8	128541	7114	-59989	-2.02	1.92	582330	32227	SLV 11	4.53				Si
1203	16.08	1.1	0	8	157408	85656	-59052	-2.02	1.92	626920	341148	SLV 15	3.983				Si
1232	16.08	1.1	0	8	207289	144688	-58944	-2.02	1.92	728418	508436	SLV 15	3.514				Si
1261	16.08	1.1	0	8	257881	203947	-58835	-2.02	1.92	801341	633745	SLV 15	3.107				Si
1290	16.08	1.1	0	8	308824	263296	-58726	-2.02	1.92	845231	720624	SLV 15	2.737				Si
1310	16.08	2.1	0	8,9	-263846	-236342	-33776	-2.02	1.92	-895842	-802456	SLV 15	3.395				Si
1339	16.08	2.1	0	8,9	-244147	169563	-27456	-2.02	1.92	-1035744	719339	SLV 3	4.242				Si
1368	16.08	1.1	0	9	-219092	144505	-27347	-2.02	1.92	-1048033	691245	SLV 3	4.784				Si
1397	16.08	1.1	0	9	-197608	119551	-27239	-2.02	1.92	-1062405	642741	SLV 3	5.376				Si
1426	16.08	1.1	0	9	-219507	90270	-31718	-2.02	1.92	-1167587	480157	SLV 7	5.319				Si
1455	16.08	1.1	0	9	-203906	72588	-31609	-2.02	1.92	-1164107	414408	SLV 7	5.709				Si
1484	16.08	1.1	0	9	-193064	63542	-31500	-2.02	1.92	-1148860	378119	SLV 7	5.951				Si
1513	16.08	1.1	0	9	167362	106463	-30949	-2.02	1.92	941375	598832	SLV 13	5.625				Si
1542	16.08	1.1	0	9	135711	174589	-32908	-2.02	1.92	651998	838780	SLV 15	4.804				Si
1571	16.08	1.1	0	9	237389	225041	-32799	-2.02	1.92	862545	817682	SLV 15	3.633				Si
1600	16.08	1.1	0	9	273757	274907	-32693	-2.02	1.92	836309	839822	SLV 15	3.055				Si
1620	16.08	2.1	0	9,10,11	-524962	-218314	-15241	-2.02	1.92	-1074193	-446720	SLV 7	2.046				Si
1649	16.08	2.1	0	9,10,11	-423216	-172522	-15133	-2.02	1.92	-1204095	-490842	SLV 7	2.845				Si
1678	16.08	1.1	0	10,11	-322273	-126918	-15024	-2.02	1.92	-1283443	-505446	SLV 7	3.982				Si
1707	16.08	1.1	0	10,11	172143	-97583	-11419	-2.02	1.92	1131444	-641382	SLV 9	6.573				Si
1736	16.08	1.1	0	10,11	100571	-28219	-14265	-2.02	1.92	1261636	-353997	SLV 13	12.545				Si
1765	16.08	1.1	0	10,11	137444	34517	-15839	-2.02	1.92	1399225	351389	SLV 11	10.18				Si
1794	16.08	1.1	0	10,11	145535	118047	-15438	-2.02	1.92	953672	773547	SLV 15	6.553				Si
1823	16.08	1.1	0	10,11	204176	190732	-15329	-2.02	1.92	849351	793426	SLV 15	4.16				Si
1852	16.08	1.1	0	10,11	280477	263582	-15221	-2.02	1.92	819181	769834	SLV 15	2.921				Si
1881	16.08	1.1	0	10,11	362456	336498	-15112	-2.02	1.92	744479	691163	SLV 15	2.054				Si
1910	16.08	1.1	0	10,11	446538	409450	-15003	-2.02	1.92	692102	634617	SLV 15	1.55				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	-497518	-200333	-139397	-998371	-402009	SLD 11	2.007	Si
-111	20.11	2.2	0	1,2	-455575	-180796	-139267	-938976	-372636	SLD 11	2.061	Si
-81	20.11	1.1	0	2	-412912	-160922	-139135	-875168	-341075	SLD 11	2.12	Si
-52	20.11	1.1	0	2	-370257	-141048	-139003	-807653	-307672	SLD 11	2.181	Si
-22	20.11	1.1	0	2	-327614	-121175	-138870	-736103	-272263	SLD 11	2.247	Si
7	20.11	1.1	0	2	-284987	-101303	-138738	-660135	-234655	SLD 11	2.316	Si
36	20.11	1.1	0	2	-242381	-81433	-138605	-575798	-193452	SLD 11	2.376	Si
66	20.11	1.1	0	2	-199810	-61568	-138473	-475122	-146399	SLD 11	2.378	Si
95	20.11	1.1	0	2	-157294	-41712	-138341	-374381	-99281	SLD 11	2.38	Si
125	20.11	1.1	0	2	-114444	-21692	-138207	-272657	-51679	SLD 11	2.382	Si
154	20.11	1.1	0	2	-72656	-2031	-138076	-173263	-4843	SLD 11	2.385	Si
184	20.11	1.1	0	2	-30981	18271	-137944	-73952	43611	SLD 11	2.387	Si
213	20.11	1.1	0	2	8198	37649	-137813	19586	89952	SLD 11	2.389	Si
242	20.11	1.1	0	2	45293	57790	-137679	108322	138210	SLD 11	2.392	Si
272	20.11	1.1	0	2	104966	77651	-137547	251275	185888	SLD 11	2.394	Si
301	20.11	1.1	0	2	145274	97519	-137414	348103	233674	SLD 11	2.396	Si
331	20.11	1.1	0	2	159626	150197	-136228	379721	357293	SLD 15	2.379	Si
360	20.11	1.1	0	2	192690	175359	-136098	444814	404805	SLD 15	2.308	Si
380	20.11	2.2	0	2,3	-140431	-199983	-110605	-381076	-542674	SLD 15	2.714	Si
409	20.11	2.2	0	2,3	-110013	-160493	-110475	-313650	-457568	SLD 15	2.851	Si
438	20.11	1.1	0	3	-95406	-90229	-111151	-282626	-267290	SLD 11	2.962	Si
467	20.11	1.1	0	3	-63826	-60523	-111021	-189298	-179502	SLD 11	2.966	Si
496	20.11	1.1	0	3	-28602	-30946	-110890	-84928	-91888	SLD 11	2.969	Si
525	20.11	1.1	0	3	32955	-1573	-110760	97969	-4678	SLD 11	2.973	Si
554	20.11	1.1	0	3	73331	29629	-110629	218259	88186	SLD 11	2.976	Si
583	20.11	1.1	0	3	105283	59058	-110499	313726	175985	SLD 11	2.98	Si
612	20.11	1.1	0	3	121399	116714	-109561	361620	347663	SLD 15	2.979	Si
641	20.11	1.1	0	3	151967	156165	-109431	430776	442675	SLD 15	2.835	Si
670	20.11	1.1	0	3	182858	195649	-109300	494342	528921	SLD 15	2.703	Si
690	20.11	2.2	0	3,4,6,7	-169741	-202253	-83779	-556450	-663033	SLD 15	3.278	Si
719	20.11	2.2	0	3,4,6,7	-135940	-159965	-83651	-475523	-559565	SLD 15	3.498	Si
748	20.11	1.1	0	4,6,7	-101853	-116973	-83521	-382292	-439043	SLD 15	3.753	Si
777	20.11	1.1	0	4,6,7	-83330	-56834	-83964	-326785	-222879	SLD 11	3.922	Si
806	20.11	1.1	0	4,6,7	-46506	-23405	-83833	-182662	-91928	SLD 11	3.928	Si
835	20.11	1.1	0	4,6,7	-7703	12019	-83703	-30303	47281	SLD 11	3.934	Si
864	20.11	1.1	0	4,6,7	59528	45347	-83572	234537	178665	SLD 11	3.94	Si
893	20.11	1.1	0	4,6,7	81325	99226	-82868	317748	387693	SLD 15	3.907	Si
922	20.11	1.1	0	4,6,7	114578	142165	-82738	417279	517746	SLD 15	3.642	Si
951	20.37	1.6	0	4,5,6,7	148606	185173	-82607	507843	632804	SLD 15	3.417	Si
980	27.42	2	0	4,5,6,7	182379	227467	-82479	626454	781329	SLD 15	3.435	Si
1000	20.11	2.4	0	5,6,7,8	-140835	-138824	-57006	-562111	-554083	SLD 15	3.991	Si
1029	17.8	2.4	0	5,6,7,8	-106472	-118152	-56897	-442385	-490914	SLD 15	4.155	Si
1058	16.08	1.1	0	8	-72547	-97533	-56789	-316283	-425214	SLD 15	4.36	Si
1087	16.08	1.1	0	8	-39661	-77048	-56680	-185319	-360011	SLD 15	4.673	Si
1116	16.08	1.1	0	8	-8350	-48461	-56924	-39865	-231366	SLD 11	4.774	Si
1145	16.08	1.1	0	8	52158	-34639	-56816	249492	-165690	SLD 11	4.783	Si
1174	16.08	1.1	0	8	85283	-20464	-56707	408724	-98075	SLD 11	4.793	Si
1203	16.08	1.1	0	8	70266	-79578	-53448	332260	-376295	SLD 3	4.729	Si
1232	16.08	1.1	0	8	92041	-101834	-53340	409769	-453368	SLD 3	4.452	Si
1261	16.08	1.1	0	8	113664	-124208	-53231	478045	-522394	SLD 3	4.206	Si
1290	16.08	1.1	0	8	90803	-178843	-51981	361733	-712461	SLD 1	3.984	Si
1310	16.08	2.1	0	8,9	-186707	-89657	-31365	-1055696	-506949	SLD 15	5.654	Si
1339	16.08	2.1	0	8,9	-168315	79496	-28690	-1052372	497041	SLD 3	6.252	Si
1368	16.08	1.1	0	9	-147661	73835	-28581	-975192	487628	SLD 3	6.604	Si
1397	16.08	1.1	0	9	-128557	68232	-28472	-893832	474405	SLD 3	6.953	Si
1426	16.08	1.1	0	9	-128751	60178	-30302	-880139	411378	SLD 7	6.836	Si
1455	16.08	1.1	0	9	-112606	57787	-30193	-797828	409430	SLD 7	7.085	Si
1484	16.08	1.1	0	9	-98155	58080	-30084	-713937	422448	SLD 7	7.274	Si
1513	16.08	1.1	0	9	86822	78896	-29715	612903	556951	SLD 13	7.059	Si
1542	16.08	1.1	0	9	81781	110560	-30497	524468	709029	SLD 15	6.413	Si
1571	16.08	1.1	0	9	141724	135078	-30388	774561	738238	SLD 15	5.465	Si
1600	16.08	1.1	0	9	169341	159331	-30281	827293	778392	SLD 15	4.885	Si
1620	16.08	2.1	0	9,10,11	-318176	-204622	-14287	-1012101	-650890	SLD 7	3.181	Si
1649	16.08	2.1	0	9,10,11	-252005	-162112	-14178	-1038076	-667782	SLD 7	4.119	Si
1678	16.08	1.1	0	10,11	-186108	-119696	-14070	-1070857	-688725	SLD 7	5.754	Si
1707	16.08	1.1	0	10,11	-120750	-63127	-13961	-1165008	-609054	SLD 7	9.648	Si
1736	16.08	1.1	0	10,11	53698	-31276	-13554	812065	-472990	SLD 13	15.123	Si
1765	16.08	1.1	0	10,11	89569	18028	-14227	1234127	248399	SLD 11	13.778	Si
1794	16.08	1.1	0	10,11	108196	75520	-13958	1016696	709643	SLD 15	9.397	Si
1823	16.08	1.1	0	10,11	152732	128903	-13849	924205	780014	SLD 15	6.051	Si
1852	16.08	1.1	0	10,11	207268	182384	-13740	872556	767801	SLD 15	4.21	Si
1881	16.08	1.1	0	10,11	264660	235905	-13632	842167	750667	SLD 15	3.182	Si
1910	16.08	1.1	0	10,11	323000	289446	-13523	769652	689699	SLD 15	2.383	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	475	-222620	SLU 52	15366	36365	37507	1.65	76.62	644	-208582	SLU 46	15029	40644	41641	2.1	63.08	Si
-111	5X/2Y Ø8/10	475	-222451	SLU 52	15366	36365	37577	1.65	76.62	644	-208412	SLU 46	15029	40644	41708	2.1	63.08	Si
-81	5X/2Y Ø8/10	475	-222279	SLU 52	15366	36365	37648	1.65	76.62	644	-208240	SLU 46	15029	40644	41777	2.1	63.08	Si
-52	5X/2Y Ø8/10	475	-222107	SLU 52	15366	36365	37720	1.65	76.62	644	-208068	SLU 46	15029	40644	41845	2.1	63.08	Si
-22	5X/2Y Ø8/15	475	-221934	SLU 52	15366	31590	32602	2.15	66.56	702	-175315	SLU 42	15029	32257	48749	2.5	45.94	Si
7	5X/2Y Ø8/15	475	-221762	SLU 52	15366	31590	32664	2.15	66.56	702	-175143	SLU 42	15029	32257	48810	2.5	45.94	Si
36	5X/2Y Ø8/15	475	-221590	SLU 52	15366	31590	32725	2.15	66.56	702	-174971	SLU 42	15029	32257	48871	2.5	45.94	Si
66	5X/2Y Ø8/15	475	-221418	SLU 52	15366	31590	32786	2.15	66.56	702	-174799	SLU 42	15029	32257	48932	2.5	45.94	Si
95	5X/2Y Ø8/15	475	-221246	SLU 52	15366	32324	32360	2.2	68.1	702	-174627	SLU 42	15029	32257	48992	2.5	45.94	Si
125	5X/2Y Ø8/15	475	-221072	SLU 52	15366	32324	32421	2.2	68.1	702	-174453	SLU 42	15029	32257	49054	2.5	45.94	Si
154	5X/2Y Ø8/15	475	-220902	SLU 52	15366	32324	32481	2.2	68.1	702	-174283	SLU 42	15029	32257	49114	2.5	45.94	Si
184	5X/2Y Ø8/15	475	-220730	SLU 52	15366	32324	32542	2.2	68.1	702	-174111	SLU 42	15029	32257	49175	2.5	45.94	Si
213	5X/2Y Ø8/15	475	-220561	SLU 52	15366	32324	32601	2.2	68.1	702	-173941	SLU 42	15029	32257	49235	2.5	45.94	Si
242	5X/2Y Ø8/10	475	-220386	SLU 52	15366	37467	37891	1.7	78.94	644	-206348	SLU 46	15029	41611	41897	2.15	64.58	Si
272	5X/2Y Ø8/10	475	-220214	SLU 52	15366	37467	37962	1.7	78.94	644	-206176	SLU 46	15029	41611	41964	2.15	64.58	Si
301	5X/2Y Ø8/10	475	-220042	SLU 52	15366	37467	38032	1.7	78.94	644	-206004	SLU 46	15029	41611	42032	2.15	64.58	Si
331	5X/2Y Ø8/10	475	-219870	SLU 52	15366	37467	38102	1.7	78.94	644	-205832	SLU 46	15029	41611	42099	2.15	64.58	Si
360	5X/2Y Ø8/10	475	-219701	SLU 52	15366	37467	38171	1.7	78.94	644	-205662	SLU 46	15029	41611	42165	2.15	64.58	Si
380	5X/2Y Ø8/10	470	-178681	SLU 51	15366	47384	48046	2.15	100.82	1118	-140377	SLU 42	15029	48385	55356	2.5	43.27	Si
409	5X/2Y Ø8/10	470	-178511	SLU 51	15366	47384	48107	2.15	100.82	1118	-140207	SLU 42	15029	48385	55356	2.5	43.27	Si
438	5X/2Y Ø8/10	470	-178342	SLU 51	15366	47384	48167	2.15	100.82	1118	-140037	SLU 42	15029	48385	55356	2.5	43.27	Si
467	5X/2Y Ø8/14.4	470	-178172	SLU 51	15366	38145	43490	2.5	81.16	1118	-139868	SLU 42	15029	33497	55356	2.5	29.95	Si
496	5X/2Y Ø8/14.4	470	-178002	SLU 51	15366	38145	43545	2.5	81.16	1118	-139698	SLU 42	15029	33497	55356	2.5	29.95	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
525	5X/2Y Ø8/14.4	470	-177833	SLU 51	15366	38145	43599	2.5	81.16	1118	-139528	SLU 42	15029	33497	55356	2.5	29.95	Si
554	5X/2Y Ø8/14.4	470	-177663	SLU 51	15366	38145	43654	2.5	81.16	1118	-139359	SLU 42	15029	33497	55356	2.5	29.95	Si
583	5X/2Y Ø8/14.4	470	-177494	SLU 51	15366	38145	43709	2.5	81.16	1118	-139189	SLU 42	15029	33497	55356	2.5	29.95	Si
612	5X/2Y Ø8/10	470	-177324	SLU 51	15366	47384	48531	2.15	100.82	1118	-139019	SLU 42	15029	48385	55356	2.5	43.27	Si
641	5X/2Y Ø8/10	470	-177154	SLU 51	15366	47384	48591	2.15	100.82	1118	-138850	SLU 42	15029	48385	55356	2.5	43.27	Si
670	5X/2Y Ø8/10	470	-176985	SLU 51	15366	47384	48652	2.15	100.82	1118	-138680	SLU 42	15029	48385	55356	2.5	43.27	Si
690	5X/2Y Ø8/10	767	-135823	SLU 51	15366	51792	52691	2.35	67.57	1061	-105800	SLU 42	15029	48385	55356	2.5	45.58	Si
719	5X/2Y Ø8/10	767	-135656	SLU 51	15366	51792	52691	2.35	67.57	1061	-105633	SLU 42	15029	48385	55356	2.5	45.58	Si
748	5X/2Y Ø8/10	767	-135486	SLU 51	15366	51792	52691	2.35	67.57	1061	-105464	SLU 42	15029	48385	55356	2.5	45.58	Si
777	5X/2Y Ø8/14.4	767	-135317	SLU 51	15366	38145	50429	2.5	49.76	1061	-105294	SLU 42	15029	33497	55356	2.5	31.56	Si
806	5X/2Y Ø8/14.4	767	-135147	SLU 51	15366	38145	50429	2.5	49.76	1061	-105124	SLU 42	15029	33497	55356	2.5	31.56	Si
835	5X/2Y Ø8/14.4	767	-134977	SLU 51	15366	38145	50429	2.5	49.76	1061	-104955	SLU 42	15029	33497	55356	2.5	31.56	Si
864	5X/2Y Ø8/14.4	767	-134808	SLU 51	15366	38145	50429	2.5	49.76	1061	-104785	SLU 42	15029	33497	55356	2.5	31.56	Si
893	5X/2Y Ø8/14.4	767	-134638	SLU 51	15366	38145	50429	2.5	49.76	1061	-104615	SLU 42	15029	33497	55356	2.5	31.56	Si
922	5X/2Y Ø8/10	767	-134468	SLU 51	15366	51792	52691	2.35	67.57	1061	-104446	SLU 42	15029	48385	55356	2.5	45.58	Si
951	5X/2Y Ø8/10	767	-134299	SLU 51	15366	51792	52691	2.35	67.57	1061	-104276	SLU 42	15029	48385	55356	2.5	45.58	Si
980	5X/2Y Ø8/10	767	-134132	SLU 51	15366	51792	52691	2.35	67.57	1061	-104109	SLU 42	15029	48385	55356	2.5	45.58	Si
1000	4X/2Y Ø8/10	-320	-92857	SLU 51	12805	42315	43268	2.4	132.32	1220	-71962	SLU 44	12600	39534	45230	2.5	32.4	Si
1029	4X/2Y Ø8/10	-320	-92716	SLU 51	12805	42315	43268	2.4	132.32	1220	-71821	SLU 44	12600	39534	45230	2.5	32.4	Si
1058	4X/2Y Ø8/10	-320	-92575	SLU 51	12805	42315	43268	2.4	132.32	1220	-71680	SLU 44	12600	39534	45230	2.5	32.4	Si
1087	4X/2Y Ø8/14.4	-320	-92433	SLU 51	12805	30516	42024	2.5	95.42	1220	-71538	SLU 44	12600	27370	45230	2.5	22.43	Si
1116	4X/2Y Ø8/14.4	-320	-92292	SLU 51	12805	30516	42024	2.5	95.42	1220	-71397	SLU 44	12600	27370	45230	2.5	22.43	Si
1145	4X/2Y Ø8/14.4	-320	-92151	SLU 51	12805	30516	42024	2.5	95.42	1220	-71255	SLU 44	12600	27370	45230	2.5	22.43	Si
1174	4X/2Y Ø8/14.4	-320	-92009	SLU 51	12805	30516	42024	2.5	95.42	1220	-71114	SLU 44	12600	27370	45230	2.5	22.43	Si
1203	4X/2Y Ø8/14.4	-320	-91868	SLU 51	12805	30516	42024	2.5	95.42	1220	-70973	SLU 44	12600	27370	45230	2.5	22.43	Si
1232	4X/2Y Ø8/10	-320	-91726	SLU 51	12805	42315	43268	2.4	132.32	1220	-70831	SLU 44	12600	39534	45230	2.5	32.4	Si
1261	4X/2Y Ø8/10	-320	-91585	SLU 51	12805	42315	43268	2.4	132.32	1220	-70690	SLU 44	12600	39534	45230	2.5	32.4	Si
1290	4X/2Y Ø8/10	-320	-91444	SLU 51	12805	42315	43268	2.4	132.32	1220	-70549	SLU 44	12600	39534	45230	2.5	32.4	Si
1310	4X/2Y Ø8/10	390	-37859	SLU 40	11019	40552	40821	2.3	103.99	1077	-39226	SLU 44	10861	39534	41621	2.5	36.69	Si
1339	4X/2Y Ø8/10	390	-37720	SLU 40	11001	40552	40802	2.3	103.99	1077	-39087	SLU 44	10842	39534	41602	2.5	36.69	Si
1368	4X/2Y Ø8/10	390	-37578	SLU 40	10984	40552	40783	2.3	103.99	1077	-38946	SLU 44	10823	39534	41583	2.5	36.69	Si
1397	4X/2Y Ø8/14.4	390	-37437	SLU 40	10966	30516	38441	2.5	78.25	1077	-38804	SLU 44	10804	27370	41563	2.5	25.4	Si
1426	4X/2Y Ø8/14.4	390	-37295	SLU 40	10949	30516	38423	2.5	78.25	1077	-38663	SLU 44	10785	27370	41543	2.5	25.4	Si
1455	4X/2Y Ø8/14.4	390	-37154	SLU 40	10931	30516	38405	2.5	78.25	1077	-38522	SLU 44	10766	27370	41524	2.5	25.4	Si
1484	4X/2Y Ø8/14.4	390	-37013	SLU 40	10913	30516	38386	2.5	78.25	1077	-38380	SLU 44	10748	27370	41504	2.5	25.4	Si
1513	4X/2Y Ø8/14.4	390	-36871	SLU 40	10896	30516	38368	2.5	78.25	1077	-38239	SLU 44	10729	27370	41485	2.5	25.4	Si
1542	4X/2Y Ø8/10	390	-36730	SLU 40	10878	40552	40667	2.3	103.99	1077	-38098	SLU 44	10710	39534	41465	2.5	36.69	Si
1571	4X/2Y Ø8/10	390	-36589	SLU 40	10861	40552	40648	2.3	103.99	1077	-37956	SLU 44	10691	39534	41445	2.5	36.69	Si
1600	4X/2Y Ø8/10	390	-36450	SLU 40	10843	40552	40629	2.3	103.99	1077	-37817	SLU 44	10672	39534	41426	2.5	36.69	Si
1620	4X/2Y Ø8/10	2433	-23490	SLU 51	9230	38789	40033	2.2	15.94	2032	-23490	SLU 51	8752	38743	40018	2.45	19.07	Si
1649	4X/2Y Ø8/10	2433	-23349	SLU 51	9212	38789	40013	2.2	15.94	2032	-23349	SLU 51	8733	38743	39998	2.45	19.07	Si
1678	4X/2Y Ø8/10	2433	-23207	SLU 51	9195	38789	39993	2.2	15.94	2032	-23207	SLU 51	8714	38743	39978	2.45	19.07	Si
1707	4X/2Y Ø8/14.4	2433	-23066	SLU 51	9177	30516	36590	2.5	12.54	2032	-23066	SLU 51	8695	27370	39381	2.5	13.47	Si
1736	4X/2Y Ø8/14.4	2433	-22925	SLU 51	9159	30516	36572	2.5	12.54	2032	-22925	SLU 51	8676	27370	39362	2.5	13.47	Si
1765	4X/2Y Ø8/14.4	2433	-22783	SLU 51	9142	30516	36554	2.5	12.54	2032	-22783	SLU 51	8658	27370	39342	2.5	13.47	Si
1794	4X/2Y Ø8/14.4	2433	-22642	SLU 51	9124	30516	36536	2.5	12.54	2032	-22642	SLU 51	8639	27370	39323	2.5	13.47	Si
1823	4X/2Y Ø8/14.4	2433	-22500	SLU 51	9107	30516	36517	2.5	12.54	2032	-22500	SLU 51	8620	27370	39303	2.5	13.47	Si
1852	4X/2Y Ø8/10	2433	-22359	SLU 51	9089	38789	39874	2.2	15.94	2032	-22359	SLU 51	8601	38743	39858	2.45	19.07	Si
1881	4X/2Y Ø8/10	2433	-22218	SLU 51	9071	38789	39854	2.2	15.94	2032	-22218	SLU 51	8582	38743	39839	2.45	19.07	Si
1910	4X/2Y Ø8/10	2433	-22076	SLU 51	9054	38789	39834	2.2	15.94	2032	-22076	SLU 51	8563	38743	39819	2.45	19.07	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	1832	-143670	SLV 15	15366	51792	52691	2.35	28.26	3031	-146358	SLV 11	15029	48385	55356	2.5	15.96	Si
-111	5X/2Y Ø8/10	1832	-143539	SLV 15	15366	51792	52691	2.35	28.26	3031	-146228	SLV 11	15029	48385	55356	2.5	15.96	Si
-81	5X/2Y Ø8/10	1832	-143407	SLV 15	15366	51792	52691	2.35	28.26	3031	-146096	SLV 11	15029	48385	55356	2.5	15.96	Si
-52	5X/2Y Ø8/10	1832	-143275	SLV 15	15366	51792	52691	2.35	28.26	3031	-145963	SLV 11	15029	48385	55356	2.5	15.96	Si
-22	5X/2Y Ø8/15	1832	-143142	SLV 15	15366	36732	50429	2.5	20.05	3031	-145831	SLV 11	15029	32257	55356	2.5	10.64	Si
7	5X/2Y Ø8/15	1832	-143010	SLV 15	15366	36732	50429	2.5	20.05	3031	-145699	SLV 11	15029	32257	55356	2.5	10.64	Si
36	5X/2Y Ø8/15	1832	-142878	SLV 15	15366	36732	50429	2.5	20.05	3031	-145566	SLV 11	15029	32257	55356	2.5	10.64	Si
66	5X/2Y Ø8/15	1832	-142745	SLV 15	15366	36732	50429	2.5	20.05	3031	-145434	SLV 11	15029	32257	55356	2.5	10.64	Si
95	5X/2Y Ø8/15	1832	-142613	SLV 15	15366	36732	50429	2.5	20.05	3031	-145302	SLV 11	15029	32257	55356	2.5	10.64	Si
125	5X/2Y Ø8/15	1832	-142479	SLV 15	15366	36732	50429	2.5	20.05	3031	-145168	SLV 11	15029	32257	55356	2.5	10.64	Si
154	5X/2Y Ø8/15	1832	-142348	SLV 15	15366	36732	50429	2.5	20.05	3031	-145037	SLV 11	15029	32257	55356	2.5	10.64	Si
184	5X/2Y Ø8/15	1832	-142216	SLV 15	15366	36732	50429	2.5	20.05	3031	-144904	SLV 11	15029	32257	55356	2.5	10.64	Si
213	5X/2Y Ø8/15	1832	-142086	SLV 15	15366	36732	50429	2.5	20.05	3031	-144774	SLV 11	15029	32257	55356	2.5	10.64	Si
242	5X/2Y Ø8/10	1832	-141951	SLV 15	15366	51792	52691	2.35	28.26	3031	-144640	SLV 11	15029	48385	55356	2.5	15.96	Si
272	5X/2Y Ø8/10	1832	-141819	SLV 15	15366	51792	52691	2.35	28.26	3031	-144507	SLV 11	15029	48385	55356	2.5	15.96	Si
301	5X/2Y Ø8/10	1832	-141686	SLV 15	15366	51792	52691	2.35	28.26	3031	-144375	SLV 11	15029	48385	55356	2.5	15.96	Si
331	5X/2Y Ø8/10	1832	-141554	SLV 15	15366	51792	52691	2.35	28.26	3031	-144243	SLV 11	15029	48385	55356	2.5	15.96	Si
360	5X/2Y Ø8/10	1832	-141424	SLV 15	15366	51792	52691	2.35	28.26	3031	-144113	SLV 11	15029	48385	55356	2.5	15.96	Si
380	5X/2Y Ø8/10	3047	-115032	SLV 15	15366	51792	52691	2.35	17	2100	-117075	SLV 11	15029	48385	55356	2.5	23.04	Si
409	5X/2Y Ø8/10	3047	-114902	SLV 15	15366	51792	52691	2.35	17	2100	-116945	SLV 11	15029	48385	55356	2.5	23.04	Si
438	5X/2Y Ø8/10	3047	-114771	SLV 15	15366	51792	52691	2.35	17	2100	-116814	SLV 11	15029	48385	55356	2.5	23.04	Si
467	5X/2Y Ø8/14.4	3047	-114641	SLV 15	15366	38145	50429	2.5	12.52	2100	-116684	SLV 11	15029	33497	55356	2.5	15.95	Si
496	5X/2Y Ø8/14.4	3047	-114510	SLV 15	15366	38145	50429	2.5	12.52	2100	-116553	SLV 11	15029	33497	55356	2.5	15.95	Si
525	5X/2Y Ø8/14.4	3047	-114380	SLV 15	15366	38145	50429	2.5	12.52	2100	-116423	SLV 11	15029	33497	55356	2.5	15.95	Si
554	5X/2Y Ø8/14.4	3047	-114249	SLV 15	15366	38145	50429	2.5	12.52	2100	-116292	SLV 11	15029	33497	55356	2.5	15.95	Si
583	5X/2Y Ø8/14.4	3047	-114119	SLV 15	15366	38145	50429	2.5	12.52	2100	-116162	SLV 11	15029	33497	55356	2.5	15.95	Si
612	5X/2Y Ø8/10	3047	-113988	SLV 15	15366	51792	52691	2.35	17	2100	-116031	SLV 11	15029	48385	55356	2.5	23.04	Si
641	5X/2Y Ø8/10	3047	-113858	SLV 15	15366	51792	52691	2.35	17	2100	-115901	SLV 11	15029	48385	55356	2.5	23.04	Si
670	5X/2Y Ø8/10	3047	-113727	SLV 15	15366	51792	52691	2.35	17	2100	-115770	SLV 11	15029	48385	55356	2.5	23.04	Si
690	5X/2Y Ø8/10	3105	-87311	SLV 15	15366	51792	52691	2.35	16.68	2637	-88735	SLV 11	15029	48385	55356	2.5	18.35	Si
719	5X/2Y Ø8/10	3105	-87183	SLV 15	15366	51792	52691	2.35	16.68	2637	-88607	SLV 11	15029	48385	55356	2.5	18.35	Si
748	5X/2Y Ø8/10	3105	-87052	SLV 15	15366	51792	52691	2.35	16.68	2637	-88476	SLV 11	15029	48385	55356	2.5	18.35	Si
777	5X/2Y Ø8/14.4	3105	-86922	SLV 15	15366	38145	50429	2.5	12.29	2637	-88346	SLV 11	15029	33497	55356	2.5	12.7	Si
806	5X/2Y Ø8/14.4	3105	-86791	SLV 15	15366	38145	50429	2.5	12.29	2637	-88215	SLV 11	15029	33497	55356	2.5	12.7	Si
835	5X/2Y Ø8/14.4	3105	-86661	SLV 15	15366	38145	50429	2.5	12.29	2637	-88085	SLV 11	15029	33497	55356	2.5	12.7	Si
864	5X/2Y Ø8/14.4	3105	-86530	SLV 15	15366	38145	50429	2.5	12.29	2637	-87954	SLV 11	15029	33497	55356	2.5	12.7	Si
893	5X/2Y Ø8/14.4	3105	-86400	SLV 15	15366	38145	50429	2.5	12.29	2637	-87824	SLV 11	15029	33497	55356	2.5	12.7	Si
922	5X/2Y Ø8/10	3105	-86269	SLV 15	15366	51792	52691	2.35	16.68	2637	-87693	SLV 11	15029	48385	55356	2.5	18.35	Si
951	5X/2Y Ø8/10	3105	-86139	SLV 15	15366	51792	52691	2.35	16.68	2637	-87563	SLV 11	15029	48385	55356	2.5	18.35	Si
980	5X/2Y Ø8/10	3105	-86011	SLV 15	15366	51792	52691	2.35	16.68	2637	-87435	SLV 11	15029	48385	55356	2.5	18.35	Si
1000	4X/2Y Ø8/10	-2333	-50261	SLV 1	12563	41434	41891	2.35	17.76	2166	-60641	SLV 11	12600	39534	44590	2.5	18.25	Si
1029	4X/2Y Ø8/10	-2333	-50152	SLV 1	12549	41434	41876	2.35	17.76	2166	-60533	SLV 11	12600	39534	44575	2.5	18.25	Si
1058	4X/2Y Ø8/10	-2333	-50043	SLV 1	12536	41434	41861	2.35	17.76	2166	-60424	SLV 11	12600	39534	44560	2.5	18.25	Si
1087	4X/2Y Ø8/14.4	-2333	-49934	SLV 1	12522	30516	40051	2.5	13.08	2166	-60315	SLV 11	12600	27370	44545	2.5	12.64	Si
1116	4X/2Y Ø8/14.4	-2333	-49826	SLV 1	12509	30516	40037	2.5	13.08	2166	-60206	SLV 11	12600	27370	44530	2.5	12.64	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1145	4X/2Y Ø8/14.4	-2333	-49717	SLV 1	12495	30516	40023	2.5	13.08	2166	-60098	SLV 11	12600	27370	44515	2.5	12.64	Si
1174	4X/2Y Ø8/14.4	-2333	-49608	SLV 1	12482	30516	40009	2.5	13.08	2166	-59989	SLV 11	12600	27370	44500	2.5	12.64	Si
1203	4X/2Y Ø8/14.4	-2333	-49499	SLV 1	12468	30516	39995	2.5	13.08	2166	-59880	SLV 11	12600	27370	44484	2.5	12.64	Si
1232	4X/2Y Ø8/10	-2333	-49391	SLV 1	12455	41434	41774	2.35	17.76	2166	-59771	SLV 11	12600	39534	44469	2.5	18.25	Si
1261	4X/2Y Ø8/10	-2333	-49282	SLV 1	12441	41434	41759	2.35	17.76	2166	-59663	SLV 11	12600	39534	44454	2.5	18.25	Si
1290	4X/2Y Ø8/10	-2333	-49173	SLV 1	12427	41434	41744	2.35	17.76	2166	-59554	SLV 11	12600	39534	44439	2.5	18.25	Si
1310	4X/2Y Ø8/10	1762	-33776	SLV 15	10511	39671	40866	2.25	22.52	1737	-34015	SLV 11	10163	39534	40899	2.5	22.76	Si
1339	4X/2Y Ø8/10	1762	-33669	SLV 15	10497	39671	40852	2.25	22.52	1737	-33908	SLV 11	10148	39534	40884	2.5	22.76	Si
1368	4X/2Y Ø8/10	1762	-33561	SLV 15	10484	39671	40836	2.25	22.52	1737	-33799	SLV 11	10134	39534	40869	2.5	22.76	Si
1397	4X/2Y Ø8/14.4	1762	-33452	SLV 15	10470	30516	37928	2.5	17.32	1737	-33690	SLV 11	10119	27370	40854	2.5	15.76	Si
1426	4X/2Y Ø8/14.4	1762	-33343	SLV 15	10457	30516	37914	2.5	17.32	1737	-33582	SLV 11	10104	27370	40839	2.5	15.76	Si
1455	4X/2Y Ø8/14.4	1762	-33234	SLV 15	10443	30516	37900	2.5	17.32	1737	-33473	SLV 11	10090	27370	40824	2.5	15.76	Si
1484	4X/2Y Ø8/14.4	1762	-33126	SLV 15	10430	30516	37886	2.5	17.32	1737	-33364	SLV 11	10075	27370	40809	2.5	15.76	Si
1513	4X/2Y Ø8/14.4	1762	-33017	SLV 15	10416	30516	37872	2.5	17.32	1737	-33255	SLV 11	10061	27370	40794	2.5	15.76	Si
1542	4X/2Y Ø8/10	1762	-32908	SLV 15	10402	39671	40746	2.25	22.52	1737	-33147	SLV 11	10046	39534	40779	2.5	22.76	Si
1571	4X/2Y Ø8/10	1762	-32799	SLV 15	10389	39671	40731	2.25	22.52	1737	-33038	SLV 11	10032	39534	40764	2.5	22.76	Si
1600	4X/2Y Ø8/10	1762	-32693	SLV 15	10376	39671	40716	2.25	22.52	1737	-32931	SLV 11	10017	39534	40749	2.5	22.76	Si
1620	4X/2Y Ø8/10	2518	-16091	SLV 15	8309	38789	38992	2.2	15.4	3562	-15241	SLV 7	7647	38743	38857	2.45	10.88	Si
1649	4X/2Y Ø8/10	2518	-15982	SLV 15	8295	38789	38977	2.2	15.4	3562	-15133	SLV 7	7632	38743	38842	2.45	10.88	Si
1678	4X/2Y Ø8/10	2518	-15873	SLV 15	8282	38789	38962	2.2	15.4	3562	-15024	SLV 7	7618	38743	38827	2.45	10.88	Si
1707	4X/2Y Ø8/14.4	2518	-15764	SLV 15	8268	30516	35650	2.5	12.12	3562	-14915	SLV 7	7603	27370	38252	2.5	7.68	Si
1736	4X/2Y Ø8/14.4	2518	-15656	SLV 15	8255	30516	35636	2.5	12.12	3562	-14806	SLV 7	7589	27370	38236	2.5	7.68	Si
1765	4X/2Y Ø8/14.4	2518	-15547	SLV 15	8241	30516	35622	2.5	12.12	3562	-14698	SLV 7	7574	27370	38221	2.5	7.68	Si
1794	4X/2Y Ø8/14.4	2518	-15438	SLV 15	8227	30516	35608	2.5	12.12	3562	-14589	SLV 7	7560	27370	38206	2.5	7.68	Si
1823	4X/2Y Ø8/14.4	2518	-15329	SLV 15	8214	30516	35594	2.5	12.12	3562	-14480	SLV 7	7545	27370	38191	2.5	7.68	Si
1852	4X/2Y Ø8/10	2518	-15221	SLV 15	8200	38789	38870	2.2	15.4	3562	-14371	SLV 7	7530	37953	39306	2.4	10.65	Si
1881	4X/2Y Ø8/10	2518	-15112	SLV 15	8187	38789	38854	2.2	15.4	3562	-14263	SLV 7	7516	37953	39290	2.4	10.65	Si
1910	4X/2Y Ø8/10	2518	-15003	SLV 15	8173	38789	38839	2.2	15.4	3562	-14154	SLV 7	7501	37953	39275	2.4	10.65	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	871	-138343	SLD 15	19266	55098	50429	2.5	57.93	1452	-139397	SLD 11	19310	48385	55356	2.5	33.32	Si
-111	5X/2Y Ø8/10	871	-138213	SLD 15	19266	55098	50429	2.5	57.93	1452	-139267	SLD 11	19310	48385	55356	2.5	33.32	Si
-81	5X/2Y Ø8/10	871	-138081	SLD 15	19266	55098	50429	2.5	57.93	1452	-139135	SLD 11	19310	48385	55356	2.5	33.32	Si
-52	5X/2Y Ø8/10	871	-137948	SLD 15	19266	55098	50429	2.5	57.93	1452	-139003	SLD 11	19310	48385	55356	2.5	33.32	Si
-22	5X/2Y Ø8/15	871	-137816	SLD 15	19266	36732	50429	2.5	42.2	1452	-138870	SLD 11	19310	32257	55356	2.5	22.22	Si
7	5X/2Y Ø8/15	871	-137684	SLD 15	19266	36732	50429	2.5	42.2	1452	-138738	SLD 11	19310	32257	55356	2.5	22.22	Si
36	5X/2Y Ø8/15	871	-137551	SLD 15	19266	36732	50429	2.5	42.2	1452	-138605	SLD 11	19310	32257	55356	2.5	22.22	Si
66	5X/2Y Ø8/15	871	-137419	SLD 15	19266	36732	50429	2.5	42.2	1452	-138473	SLD 11	19310	32257	55356	2.5	22.22	Si
95	5X/2Y Ø8/15	871	-137287	SLD 15	19266	36732	50429	2.5	42.2	1452	-138341	SLD 11	19310	32257	55356	2.5	22.22	Si
125	5X/2Y Ø8/15	871	-137153	SLD 15	19266	36732	50429	2.5	42.2	1452	-138207	SLD 11	19310	32257	55356	2.5	22.22	Si
154	5X/2Y Ø8/15	871	-137022	SLD 15	19266	36732	50429	2.5	42.2	1452	-138076	SLD 11	19310	32257	55356	2.5	22.22	Si
184	5X/2Y Ø8/15	871	-136890	SLD 15	19266	36732	50429	2.5	42.2	1452	-137944	SLD 11	19310	32257	55356	2.5	22.22	Si
213	5X/2Y Ø8/15	871	-136759	SLD 15	19266	36732	50429	2.5	42.2	1452	-137813	SLD 11	19310	32257	55356	2.5	22.22	Si
242	5X/2Y Ø8/10	871	-136625	SLD 15	19266	55098	50429	2.5	57.93	1452	-137679	SLD 11	19310	48385	55356	2.5	33.32	Si
272	5X/2Y Ø8/10	871	-136493	SLD 15	19266	55098	50429	2.5	57.93	1452	-137547	SLD 11	19310	48385	55356	2.5	33.32	Si
301	5X/2Y Ø8/10	871	-136360	SLD 15	19266	55098	50429	2.5	57.93	1452	-137414	SLD 11	19310	48385	55356	2.5	33.32	Si
331	5X/2Y Ø8/10	871	-136228	SLD 15	19266	55098	50429	2.5	57.93	1452	-137282	SLD 11	19310	48385	55356	2.5	33.32	Si
360	5X/2Y Ø8/10	871	-136098	SLD 15	19266	55098	50429	2.5	57.93	1452	-137152	SLD 11	19310	48385	55356	2.5	33.32	Si
380	5X/2Y Ø8/10	1363	-110605	SLD 15	19266	55098	50429	2.5	37	1248	-111412	SLD 11	19310	48385	55356	2.5	38.77	Si
409	5X/2Y Ø8/10	1363	-110475	SLD 15	19266	55098	50429	2.5	37	1248	-111282	SLD 11	19310	48385	55356	2.5	38.77	Si
438	5X/2Y Ø8/10	1363	-110344	SLD 15	19266	55098	50429	2.5	37	1248	-111151	SLD 11	19310	48385	55356	2.5	38.77	Si
467	5X/2Y Ø8/14.4	1363	-110214	SLD 15	19266	38145	50429	2.5	27.98	1248	-111021	SLD 11	19310	33497	55356	2.5	26.84	Si
496	5X/2Y Ø8/14.4	1363	-110083	SLD 15	19266	38145	50429	2.5	27.98	1248	-110890	SLD 11	19310	33497	55356	2.5	26.84	Si
525	5X/2Y Ø8/14.4	1363	-109953	SLD 15	19266	38145	50429	2.5	27.98	1248	-110760	SLD 11	19310	33497	55356	2.5	26.84	Si
554	5X/2Y Ø8/14.4	1363	-109822	SLD 15	19266	38145	50429	2.5	27.98	1248	-110629	SLD 11	19310	33497	55356	2.5	26.84	Si
583	5X/2Y Ø8/14.4	1363	-109692	SLD 15	19266	38145	50429	2.5	27.98	1248	-110499	SLD 11	19310	33497	55356	2.5	26.84	Si
612	5X/2Y Ø8/10	1363	-109561	SLD 15	19266	55098	50429	2.5	37	1248	-110368	SLD 11	19310	48385	55356	2.5	38.77	Si
641	5X/2Y Ø8/10	1363	-109431	SLD 15	19266	55098	50429	2.5	37	1248	-110238	SLD 11	19310	48385	55356	2.5	38.77	Si
670	5X/2Y Ø8/10	1363	-109300	SLD 15	19266	55098	50429	2.5	37	1248	-110107	SLD 11	19310	48385	55356	2.5	38.77	Si
690	5X/2Y Ø8/10	1486	-83779	SLD 15	17997	55098	50429	2.5	33.95	1430	-84353	SLD 11	17995	48385	55356	2.5	33.84	Si
719	5X/2Y Ø8/10	1486	-83651	SLD 15	17981	55098	50429	2.5	33.95	1430	-84225	SLD 11	17977	48385	55356	2.5	33.84	Si
748	5X/2Y Ø8/10	1486	-83521	SLD 15	17965	55098	50429	2.5	33.95	1430	-84094	SLD 11	17960	48385	55356	2.5	33.84	Si
777	5X/2Y Ø8/14.4	1486	-83390	SLD 15	17949	38145	50429	2.5	25.68	1430	-83964	SLD 11	17942	33497	55356	2.5	23.43	Si
806	5X/2Y Ø8/14.4	1486	-83260	SLD 15	17932	38145	50429	2.5	25.68	1430	-83833	SLD 11	17924	33497	55356	2.5	23.43	Si
835	5X/2Y Ø8/14.4	1486	-83129	SLD 15	17916	38145	50429	2.5	25.68	1430	-83703	SLD 11	17906	33497	55356	2.5	23.43	Si
864	5X/2Y Ø8/14.4	1486	-82999	SLD 15	17900	38145	50429	2.5	25.68	1430	-83572	SLD 11	17888	33497	55356	2.5	23.43	Si
893	5X/2Y Ø8/14.4	1486	-82868	SLD 15	17884	38145	50429	2.5	25.68	1430	-83442	SLD 11	17870	33497	55356	2.5	23.43	Si
922	5X/2Y Ø8/10	1486	-82738	SLD 15	17867	55098	50429	2.5	33.95	1430	-83311	SLD 11	17853	48385	55356	2.5	33.84	Si
951	5X/2Y Ø8/10	1486	-82607	SLD 15	17851	55098	50429	2.5	33.95	1430	-83181	SLD 11	17835	48385	55356	2.5	33.84	Si
980	5X/2Y Ø8/10	1486	-82479	SLD 15	17835	55098	50429	2.5	33.95	1430	-83052	SLD 11	17817	48385	55356	2.5	33.84	Si
1000	4X/2Y Ø8/10	-997	-53068	SLD 1	12912	44078	40454	2.5	40.56	1358	-57359	SLD 11	13291	39534	44135	2.5	29.1	Si
1029	4X/2Y Ø8/10	-997	-52959	SLD 1	12899	44078	40440	2.5	40.54	1358	-57251	SLD 11	13276	39534	44120	2.5	29.1	Si
1058	4X/2Y Ø8/10	-997	-52851	SLD 1	12885	44078	40426	2.5	40.53	1358	-57142	SLD 11	13261	39534	44105	2.5	29.1	Si
1087	4X/2Y Ø8/14.4	-997	-52742	SLD 1	12872	30516	40412	2.5	30.59	1358	-57033	SLD 11	13247	27370	44090	2.5	20.15	Si
1116	4X/2Y Ø8/14.4	-997	-52633	SLD 1	12858	30516	40398	2.5	30.59	1358	-56924	SLD 11	13232	27370	44075	2.5	20.15	Si
1145	4X/2Y Ø8/14.4	-997	-52524	SLD 1	12845	30516	40384	2.5	30.59	1358	-56816	SLD 11	13218	27370	44060	2.5	20.15	Si
1174	4X/2Y Ø8/14.4	-997	-52416	SLD 1	12831	30516	40370	2.5	30.59	1358	-56707	SLD 11	13203	27370	44045	2.5	20.15	Si
1203	4X/2Y Ø8/14.4	-997	-52307	SLD 1	12818	30516	40356	2.5	30.59	1358	-56598	SLD 11	13189	27370	44030	2.5	20.15	Si
1232	4X/2Y Ø8/10	-997	-52198	SLD 1	12804	44078	40342	2.5	40.44	1358	-56489	SLD 11	13174	39534	44014	2.5	29.1	Si
1261	4X/2Y Ø8/10	-997	-52089	SLD 1	12790	44078	40328	2.5	40.43	1358	-56381	SLD 11	13159	39534	43999	2.5	29.1	Si
1290	4X/2Y Ø8/10	-997	-51981	SLD 1	12777	44078	40314	2.5	40.42	1358	-56272	SLD 11	13145	39534	43984	2.5	29.1	Si
1310	4X/2Y Ø8/10	858	-31365	SLD 15	10210	44078	37659	2.5	43.91	1155	-31505	SLD 11	9826	39534	40551	2.5	34.22	Si
1339	4X/2Y Ø8/10	858	-31258	SLD 15	10197	44078	37645	2.5	43.9	1155	-31399	SLD 11	9812	39534	40536	2.5	34.22	Si
1368	4X/2Y Ø8/10	858	-31150	SLD 15	10183	44078	37631	2.5	43.88	1155	-31290	SLD 11	9797	39534	40521	2.5	34.22	Si
1397	4X/2Y Ø8/14.4	858	-31041	SLD 15	10170	30516	37617	2.5	35.58	1155	-31181	SLD 11	9783	27370	40506	2.5	23.69	Si
1426	4X/2Y Ø8/14.4	858	-30932	SLD 15	10156	30516	37603	2.5	35.58	1155	-31072	SLD 11	9768	27370	40491	2.5	23.69	Si
1455	4X/2Y Ø8/14.4	858	-30823	SLD 15	10143	30516	37589	2.5	35.58	1155	-30964	SLD 11	9754	27370	40476	2.5	23.69	Si
1484	4X/2Y Ø8/14.4	858	-30715	SLD 15	10129	30516	37575	2.5	35.58	1155	-30855	SLD 11	9739	27370	40461	2.5	23.69	Si
1513	4X/2Y Ø8/14.4	858	-30606	SLD 15	10116	30516	37561	2.5	35.58	1155	-30746	SLD 11	9725	27370	40446	2.5	23.69	Si
1542	4X/2Y Ø8/10	858	-30497	SLD 15	10102	44078	37547	2.5	43.78	1155	-30637	SLD 11	9710	39534	40431	2.5	34.22	Si
1571	4X/2Y Ø8/10	858	-30388	SLD 15	10089	44078	37533	2.5	43.77	1155	-30529	SLD 11	9695	39534	40416	2.5	34.22	Si
1600	4X/2Y Ø8/10	858	-30281	SLD 15	10075	44078	37520	2.5	43.75	1155	-30422	SLD 11	9681	39534	40401	2.5	34.22	Si
1620	4X/2Y Ø8/10	1848	-14610	SLD 15	8124	44078	35501	2.5	19.21	2301	-14287	SLD 7	7519	39534	38164	2.5	16.59	Si
1649	4X/2Y Ø8/10	1848	-14502	SLD 15	8111	44078	35487	2.5	19.21	2301	-14178	SLD 7	7505	39534	38149	2.5	16.58	Si
1678	4X/2Y Ø8/10	1848	-14393	SLD 15	8097	44078	35473	2.5	19.2	2301	-14070	SLD 7	7490	39534	38134	2.5	16.57	Si
1707	4X/2Y Ø8/14.4	1848	-14284	SLD 15	8084	30516	35459	2.5	16.52	2301	-13961	SLD 7	7475	27370	38119	2.5	11.89	Si
1736	4X/2Y Ø8/14.4	1848	-14175	SLD 15	8070	30516	35445	2.5	16.52	2301	-13852	SLD 7	7461	27370	38104	2.5	11.89	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1765	4X/2Y Ø8/14.4	1848	-14067	SLD 15	8057	30516	35431	2.5	16.52	2301	-13743	SLD 7	7446	27370	38089	2.5	11.89	Si
1794	4X/2Y Ø8/14.4	1848	-13958	SLD 15	8043	30516	35417	2.5	16.52	2301	-13635	SLD 7	7432	27370	38074	2.5	11.89	Si
1823	4X/2Y Ø8/14.4	1848	-13849	SLD 15	8030	30516	35403	2.5	16.52	2301	-13526	SLD 7	7417	27370	38059	2.5	11.89	Si
1852	4X/2Y Ø8/10	1848	-13740	SLD 15	8016	44078	35389	2.5	19.15	2301	-13417	SLD 7	7402	39534	38044	2.5	16.53	Si
1881	4X/2Y Ø8/10	1848	-13632	SLD 15	8003	44078	35375	2.5	19.15	2301	-13308	SLD 7	7388	39534	38029	2.5	16.53	Si
1910	4X/2Y Ø8/10	1848	-13523	SLD 15	7989	44078	35361	2.5	19.14	2301	-13200	SLD 7	7373	39534	38014	2.5	16.52	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	-113685	-93558	-157048	SLE RA 13	-88.7	-113685	-93558	-157048	SLE RA 13	-1270	Si
-111	-101076	-84049	-156917	SLE RA 13	-87.1	-101076	-84049	-156917	SLE RA 13	-1253.3	Si
-81	-88250	-74376	-156785	SLE RA 13	-85.6	-88250	-74376	-156785	SLE RA 13	-1236.4	Si
-52	-75423	-64703	-156653	SLE RA 13	-84	-75423	-64703	-156653	SLE RA 13	-1219.4	Si
-22	-62597	-55030	-156520	SLE RA 13	-82.5	-62597	-55030	-156520	SLE RA 13	-1202.4	Si
7	-49770	-45357	-156388	SLE RA 13	-80.9	-49770	-45357	-156388	SLE RA 13	-1185.4	Si
36	-36944	-35684	-156256	SLE RA 13	-79.4	-36944	-35684	-156256	SLE RA 13	-1168.4	Si
66	-24118	-26011	-156123	SLE RA 13	-77.8	-24118	-26011	-156123	SLE RA 13	-1151.4	Si
95	-11291	-16338	-155991	SLE RA 13	-76.3	-11291	-16338	-155991	SLE RA 13	-1134.4	Si
125	6220	-6435	-155932	SLE RA 12	-75.1	6220	-6435	-155932	SLE RA 12	-1122.3	Si
154	17771	1905	-155801	SLE RA 12	-75.2	17771	1905	-155801	SLE RA 12	-1124.1	Si
184	27188	12681	-155594	SLE RA 13	-76.5	27188	12681	-155594	SLE RA 13	-1137.6	Si
213	39822	22209	-155464	SLE RA 13	-77.9	39822	22209	-155464	SLE RA 13	-1152.5	Si
242	52841	32027	-155329	SLE RA 13	-79.3	52841	32027	-155329	SLE RA 13	-1167.8	Si
272	65667	41700	-155197	SLE RA 13	-80.8	65667	41700	-155197	SLE RA 13	-1182.9	Si
301	78494	51373	-155065	SLE RA 13	-82.2	78494	51373	-155065	SLE RA 13	-1198	Si
331	91320	61046	-154932	SLE RA 13	-83.6	91320	61046	-154932	SLE RA 13	-1213.1	Si
360	103929	70554	-154802	SLE RA 13	-85	103929	70554	-154802	SLE RA 13	-1228	Si
380	-69695	-44671	-126028	SLE RA 12	-67.4	-69695	-44671	-126028	SLE RA 12	-979.7	Si
409	-52023	-35163	-125898	SLE RA 12	-65.6	-52023	-35163	-125898	SLE RA 12	-960.1	Si
438	-34351	-25656	-125767	SLE RA 12	-63.8	-34351	-25656	-125767	SLE RA 12	-940.4	Si
467	-16678	-16148	-125637	SLE RA 12	-62	-16678	-16148	-125637	SLE RA 12	-920.7	Si
496	994	-6641	-125506	SLE RA 12	-60.4	994	-6641	-125506	SLE RA 12	-902.2	Si
525	19894	4587	-125341	SLE RA 13	-61	19894	4587	-125341	SLE RA 13	-910.3	Si
554	38438	13965	-125210	SLE RA 13	-62.7	38438	13965	-125210	SLE RA 13	-928.5	Si
583	56981	23343	-125080	SLE RA 13	-64.4	56981	23343	-125080	SLE RA 13	-946.7	Si
612	75524	32721	-124949	SLE RA 13	-66	75524	32721	-124949	SLE RA 13	-964.9	Si
641	94068	42099	-124819	SLE RA 13	-67.7	94068	42099	-124819	SLE RA 13	-983.1	Si
670	112611	51477	-124688	SLE RA 13	-69.4	112611	51477	-124688	SLE RA 13	-1001.2	Si
690	-73435	-67196	-95814	SLE RA 13	-55.2	-73435	-67196	-95814	SLE RA 13	-786.2	Si
719	-57157	-52008	-95685	SLE RA 13	-53	-57157	-52008	-95685	SLE RA 13	-762.3	Si
748	-40593	-36554	-95555	SLE RA 13	-50.7	-40593	-36554	-95555	SLE RA 13	-738	Si
777	-23965	-21066	-95464	SLE RA 12	-48.5	-23965	-21066	-95464	SLE RA 12	-714	Si
806	-8293	-5536	-95334	SLE RA 12	-46.3	-8293	-5536	-95334	SLE RA 12	-690.2	Si
835	9097	9809	-95163	SLE RA 13	-46.6	9097	9809	-95163	SLE RA 13	-693.2	Si
864	25661	25263	-95033	SLE RA 13	-48.7	25661	25263	-95033	SLE RA 13	-715.6	Si
893	42224	40717	-94902	SLE RA 13	-50.9	42224	40717	-94902	SLE RA 13	-738	Si
922	58788	56171	-94772	SLE RA 13	-53	58788	56171	-94772	SLE RA 13	-760.4	Si
951	75351	71626	-94641	SLE RA 13	-55	75351	71626	-94641	SLE RA 13	-781.3	Si
980	91629	86813	-94513	SLE RA 13	-54.2	91629	86813	-94513	SLE RA 13	-764.6	Si
1000	-84756	-13498	-65575	SLE RA 13	-43.5	-84756	-13498	-65575	SLE RA 13	-627	Si
1029	-59998	-19609	-65466	SLE RA 13	-43.3	-59998	-19609	-65466	SLE RA 13	-624.4	Si
1058	-35239	-25720	-65357	SLE RA 13	-42.8	-35239	-25720	-65357	SLE RA 13	-619	Si
1087	-11365	-31291	-65278	SLE RA 12	-41.7	-11365	-31291	-65278	SLE RA 12	-605	Si
1116	14278	-37943	-65140	SLE RA 13	-42.6	14278	-37943	-65140	SLE RA 13	-613.3	Si
1145	39036	-44054	-65031	SLE RA 13	-44.9	39036	-44054	-65031	SLE RA 13	-638.9	Si
1174	63794	-50165	-64922	SLE RA 13	-47.2	63794	-50165	-64922	SLE RA 13	-664.5	Si
1203	86555	-57535	-64843	SLE RA 12	-49.5	88553	-56276	-64813	SLE RA 13	-690.1	Si
1232	111035	-64097	-64734	SLE RA 12	-51.9	111035	-64097	-64734	SLE RA 12	-715.9	Si
1261	135515	-70658	-64626	SLE RA 12	-54.2	135515	-70658	-64626	SLE RA 12	-741.8	Si
1290	159996	-77219	-64517	SLE RA 12	-56.6	159996	-77219	-64517	SLE RA 12	-767.7	Si
1310	-139796	29814	-35401	SLE RA 13	-33.2	-139796	29814	-35401	SLE RA 13	-449.8	Si
1339	-118589	35293	-35294	SLE RA 13	-32.3	-118589	35293	-35294	SLE RA 13	-437.6	Si
1368	-97010	40869	-35185	SLE RA 13	-31.4	-97010	40869	-35185	SLE RA 13	-425.2	Si
1397	-75431	46445	-35076	SLE RA 13	-30.4	-75431	46445	-35076	SLE RA 13	-412.8	Si
1426	-53852	52021	-34968	SLE RA 13	-29.5	-53852	52021	-34968	SLE RA 13	-400.4	Si
1455	-33464	57151	-34870	SLE RA 12	-28.6	-33464	57151	-34870	SLE RA 12	-388.5	Si
1484	-12442	63157	-34761	SLE RA 12	-27.8	-12442	63157	-34761	SLE RA 12	-377	Si
1513	10885	68749	-34641	SLE RA 13	-28.2	10885	68749	-34641	SLE RA 13	-380.7	Si
1542	32464	74324	-34533	SLE RA 13	-30.3	32464	74324	-34533	SLE RA 13	-403.2	Si
1571	54043	79900	-34424	SLE RA 13	-32.3	54043	79900	-34424	SLE RA 13	-425.7	Si
1600	75250	85380	-34317	SLE RA 13	-34.3	75250	85380	-34317	SLE RA 13	-447.7	Si
1620	-150159	-234229	-16749	SLE RA 12	-62.7	-150159	-234229	-16749	SLE RA 12	677	Si
1649	-108002	-184531	-16640	SLE RA 12	-46.5	-108002	-184531	-16640	SLE RA 12	-498.4	Si
1678	-65845	-134833	-16532	SLE RA 12	-28.9	-65845	-134833	-16532	SLE RA 12	-339.8	Si
1707	-23688	-85135	-16423	SLE RA 12	-20.5	-23688	-85135	-16423	SLE RA 12	-251.7	Si
1736	20501	-35845	-16312	SLE RA 13	-14.7	20501	-35845	-16312	SLE RA 13	-195.4	Si
1765	62402	13746	-16203	SLE RA 13	-15.1	62402	13746	-16203	SLE RA 13	-204.7	Si
1794	104303	63337	-16094	SLE RA 13	-23.4	104303	63337	-16094	SLE RA 13	-290.7	Si
1823	146205	112927	-15985	SLE RA 13	-31.7	146205	112927	-15985	SLE RA 13	-376.6	Si
1852	187096	163356	-15879	SLE RA 12	-51.9	187096	163356	-15879	SLE RA 12	-563.4	Si
1881	229253	213054	-15770	SLE RA 12	-68.9	229253	213054	-15770	SLE RA 12	796.9	Si
1910	271410	262752	-15662	SLE RA 12	-86.1	271410	262752	-15662	SLE RA 12	1161.3	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	-108708	-70873	-134865	SLE QP 2	-75.8	Si
-111	-96371	-63718	-134735	SLE QP 2	-74.5	Si
-81	-83821	-56439	-134603	SLE QP 2	-73.2	Si
-52	-71271	-49160	-134471	SLE QP 2	-71.9	Si
-22	-58721	-41881	-134338	SLE QP 2	-70.5	Si
7	-46171	-34602	-134206	SLE QP 2	-69.2	Si
36	-33621	-27323	-134074	SLE QP 2	-67.9	Si
66	-21071	-20044	-133941	SLE QP 2	-66.6	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
95	-8521	-12765	-133809	SLE QP 2	-65.2	Si
125	4154	-5413	-133675	SLE QP 2	-64.3	Si
154	16578	1793	-133544	SLE QP 2	-64.5	Si
184	29128	9072	-133412	SLE QP 2	-65.7	Si
213	41490	16242	-133281	SLE QP 2	-66.9	Si
242	54228	23631	-133147	SLE QP 2	-68.1	Si
272	66778	30910	-133015	SLE QP 2	-69.3	Si
301	79328	38189	-132882	SLE QP 2	-70.5	Si
331	91878	45468	-132750	SLE QP 2	-71.7	Si
360	104214	52623	-132620	SLE QP 2	-72.9	Si
380	-87367	-38170	-107670	SLE QP 2	-58.9	Si
409	-67043	-29947	-107539	SLE QP 2	-57.1	Si
438	-46719	-21725	-107409	SLE QP 2	-55.3	Si
467	-26396	-13502	-107278	SLE QP 2	-53.5	Si
496	-6072	-5280	-107148	SLE QP 2	-51.8	Si
525	14252	2943	-107017	SLE QP 2	-51.9	Si
554	34575	11165	-106887	SLE QP 2	-53.5	Si
583	54899	19388	-106756	SLE QP 2	-55.2	Si
612	75223	27610	-106626	SLE QP 2	-56.8	Si
641	95546	35833	-106495	SLE QP 2	-58.5	Si
670	115870	44055	-106365	SLE QP 2	-60.1	Si
690	-87343	-57348	-81380	SLE QP 2	-48.1	Si
719	-68675	-44516	-81252	SLE QP 2	-46	Si
748	-49679	-31459	-81121	SLE QP 2	-43.8	Si
777	-30683	-18402	-80991	SLE QP 2	-41.7	Si
806	-11688	-5344	-80860	SLE QP 2	-39.5	Si
835	7308	7713	-80730	SLE QP 2	-39.5	Si
864	26304	20770	-80599	SLE QP 2	-41.5	Si
893	45300	33827	-80469	SLE QP 2	-43.5	Si
922	64296	46884	-80338	SLE QP 2	-45.6	Si
951	83291	59941	-80208	SLE QP 2	-47.5	Si
980	101960	72773	-80079	SLE QP 2	-46.9	Si
1000	-90546	-13874	-55037	SLE QP 2	-38.1	Si
1029	-66285	-17962	-54928	SLE QP 2	-37.5	Si
1058	-42024	-22050	-54820	SLE QP 2	-36.8	Si
1087	-17763	-26138	-54711	SLE QP 2	-35.5	Si
1116	6498	-30225	-54602	SLE QP 2	-35.1	Si
1145	30759	-34313	-54493	SLE QP 2	-37.2	Si
1174	55020	-38401	-54385	SLE QP 2	-39.3	Si
1203	79281	-42489	-54276	SLE QP 2	-41.3	Si
1232	103542	-46576	-54167	SLE QP 2	-43.4	Si
1261	127803	-50664	-54058	SLE QP 2	-45.4	Si
1290	152064	-54752	-53950	SLE QP 2	-47.5	Si
1310	-132216	10203	-29635	SLE QP 2	-27.2	Si
1339	-112048	17384	-29529	SLE QP 2	-26.6	Si
1368	-91527	24691	-29420	SLE QP 2	-25.9	Si
1397	-71005	31998	-29311	SLE QP 2	-25.2	Si
1426	-50483	39306	-29202	SLE QP 2	-24.6	Si
1455	-29962	46613	-29094	SLE QP 2	-23.9	Si
1484	-9440	53920	-28985	SLE QP 2	-23.3	Si
1513	11082	61227	-28876	SLE QP 2	-24.1	Si
1542	31603	68535	-28767	SLE QP 2	-26.3	Si
1571	52125	75842	-28659	SLE QP 2	-28.4	Si
1600	72293	83023	-28552	SLE QP 2	-30.5	Si
1620	-133267	-194898	-13493	SLE QP 2	-53.5	Si
1649	-97311	-154507	-13385	SLE QP 2	-40	Si
1678	-61355	-114117	-13276	SLE QP 2	-24.5	Si
1707	-25399	-73726	-13167	SLE QP 2	-17.5	Si
1736	10557	-33336	-13058	SLE QP 2	-11.9	Si
1765	46513	7055	-12950	SLE QP 2	-11.4	Si
1794	82469	47445	-12841	SLE QP 2	-18.3	Si
1823	118425	87835	-12732	SLE QP 2	-25.1	Si
1852	154381	128226	-12623	SLE QP 2	-41.6	Si
1881	190336	168616	-12515	SLE QP 2	-55.7	Si
1910	226292	209007	-12406	SLE QP 2	-70	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-140	-114222	-66034	-125557										No	Si
-111	-101408	-59360	-125427										No	Si
-81	-88372	-52570	-125294										No	Si
-52	-75336	-45781	-125162										No	Si
-22	-62301	-38991	-125029										No	Si
7	-49265	-32202	-124897										No	Si
36	-36229	-25412	-124765										No	Si
66	-23194	-18623	-124632										No	Si
95	-10158	-11833	-124500										No	Si
125	3008	-4976	-124366										No	Si
154	15914	1746	-124235										No	Si
184	28949	8536	-124103										No	Si
213	41789	15223	-123973										No	Si
242	55021	22115	-123838										No	Si
272	68056	28904	-123706										No	Si
301	81092	35694	-123574										No	Si
331	94128	42483	-123441										No	Si
360	106942	49157	-123311										No	Si
380	-95092	-35397	-100027										No	Si
409	-73573	-27722	-99896										No	Si
438	-52055	-20047	-99766										No	Si
467	-30536	-12372	-99635										No	Si
496	-9017	-4697	-99505										No	Si
525	12501	2977	-99374										No	Si
554	34020	10652	-99244										No	Si
583	55539	18327	-99113										No	Si
612	77058	26002	-98983										No	Si
641	98576	33677	-98852										No	Si

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
670	120095	41352	-98722										No	Si
690	-94942	-53074	-75395										No	Si
719	-74774	-41276	-75267										No	Si
748	-54252	-29272	-75137										No	Si
777	-33730	-17268	-75006										No	Si
806	-13208	-5263	-74876										No	Si
835	7314	6741	-74745										No	Si
864	27836	18746	-74615										No	Si
893	48358	30750	-74484										No	Si
922	68881	42754	-74354										No	Si
951	89403	54759	-74223										No	Si
980	109571	66556	-74095										No	Si
1000	-93446	-14804	-50719										No	Si
1029	-69131	-17847	-50610										No	Si
1058	-44816	-20890	-50502										No	Si
1087	-20501	-23934	-50393										No	Si
1116	3814	-26977	-50284										No	Si
1145	28129	-30020	-50175										No	Si
1174	52444	-33063	-50067										No	Si
1203	76759	-36107	-49958										No	Si
1232	101074	-39150	-49849										No	Si
1261	125388	-42193	-49740										No	Si
1290	149703	-45237	-49632										No	Si
1310	-130721	3230	-27358										No	Si
1339	-110537	10869	-27251										No	Si
1368	-89999	18642	-27142										No	Si
1397	-69461	26415	-27033										No	Si
1426	-48923	34188	-26925										No	Si
1455	-28385	41961	-26816										No	Si
1484	-7847	49734	-26707										No	Si
1513	12691	57507	-26598										No	Si
1542	33229	65280	-26490										No	Si
1571	53767	73053	-26381										No	Si
1600	73951	80692	-26274										No	Si
1620	-136155	-206240	-14356										No	Si
1649	-98951	-163203	-14247										No	Si
1678	-61747	-120166	-14138										No	Si
1707	-26684	-68622	-11873										No	Si
1736	7399	-32202	-11764										No	Si
1765	41482	4219	-11656										No	Si
1794	87071	51982	-13703										No	Si
1823	124275	95019	-13595										No	Si
1852	161480	138056	-13486										No	Si
1881	198684	181093	-13377										No	Si
1910	235888	224131	-13268	SLE FR 6	208181	197804	197804	1007.2	483.9	0.0208	33.84	0.0099	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-140	-114222	-66034	-125557										No	Si
-111	-101408	-59360	-125427										No	Si
-81	-88372	-52570	-125294										No	Si
-52	-75336	-45781	-125162										No	Si
-22	-62301	-38991	-125029										No	Si
7	-49265	-32202	-124897										No	Si
36	-36229	-25412	-124765										No	Si
66	-23194	-18623	-124632										No	Si
95	-10158	-11833	-124500										No	Si
125	3008	-4976	-124366										No	Si
154	15914	1746	-124235										No	Si
184	28949	8536	-124103										No	Si
213	41789	15223	-123973										No	Si
242	55021	22115	-123838										No	Si
272	68056	28904	-123706										No	Si
301	81092	35694	-123574										No	Si
331	94128	42483	-123441										No	Si
360	106942	49157	-123311										No	Si
380	-95092	-35397	-100027										No	Si
409	-73573	-27722	-99896										No	Si
438	-52055	-20047	-99766										No	Si
467	-30536	-12372	-99635										No	Si
496	-9017	-4697	-99505										No	Si
525	12501	2977	-99374										No	Si
554	34020	10652	-99244										No	Si
583	55539	18327	-99113										No	Si
612	77058	26002	-98983										No	Si
641	98576	33677	-98852										No	Si
670	120095	41352	-98722										No	Si
690	-94942	-53074	-75395										No	Si
719	-74774	-41276	-75267										No	Si
748	-54252	-29272	-75137										No	Si
777	-33730	-17268	-75006										No	Si
806	-13208	-5263	-74876										No	Si
835	7314	6741	-74745										No	Si
864	27836	18746	-74615										No	Si
893	48358	30750	-74484										No	Si
922	68881	42754	-74354										No	Si
951	89403	54759	-74223										No	Si
980	109571	66556	-74095										No	Si
1000	-93446	-14804	-50719										No	Si
1029	-69131	-17847	-50610										No	Si
1058	-44816	-20890	-50502										No	Si
1087	-20501	-23934	-50393										No	Si
1116	3814	-26977	-50284										No	Si
1145	28129	-30020	-50175										No	Si
1174	52444	-33063	-50067										No	Si
1203	76759	-36107	-49958										No	Si

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1232	101074	-39150	-49849										No	Si
1261	125388	-42193	-49740										No	Si
1290	149703	-45237	-49632										No	Si
1310	-130721	3230	-27358										No	Si
1339	-110537	10869	-27251										No	Si
1368	-89999	18642	-27142										No	Si
1397	-69461	26415	-27033										No	Si
1426	-48923	34188	-26925										No	Si
1455	-28385	41961	-26816										No	Si
1484	-7847	49734	-26707										No	Si
1513	12691	57507	-26598										No	Si
1542	33229	65280	-26490										No	Si
1571	53767	73053	-26381										No	Si
1600	73951	80692	-26274										No	Si
1620	-133267	-194898	-13493										No	Si
1649	-97311	-154507	-13385										No	Si
1678	-61355	-114117	-13276										No	Si
1707	-26684	-68622	-11873										No	Si
1736	7399	-32202	-11764										No	Si
1765	41482	4219	-11656										No	Si
1794	82469	47445	-12841										No	Si
1823	118425	87835	-12732										No	Si
1852	154381	128226	-12623										No	Si
1881	190336	168616	-12515										No	Si
1910	226292	209007	-12406	SLE QP 2	211346	195202	195202	954	490.9	0.0205	34.13	0.0095	Si	Si

Verifiche nodi trave colonna

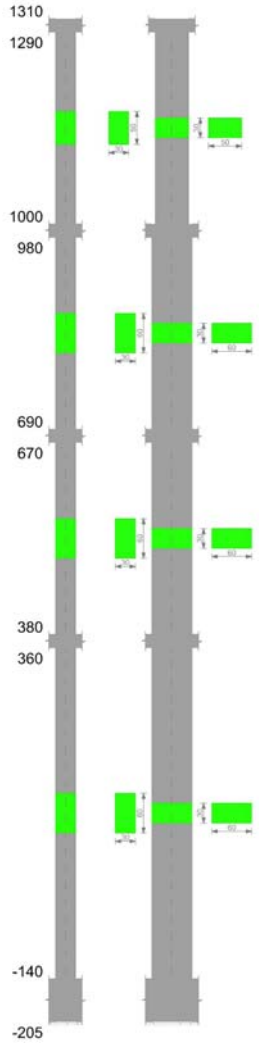
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.

Pilastro 6

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60	No	No	No	No		C30/37	B450C	
380	670	R 30x60	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	406883	-406883	-150003	818158	-818158	SLU 52	2.011	Si
-111	20.11	2.2	0	1,2	406424	-406424	-149834	818158	-818158	SLU 52	2.013	Si
-81	20.11	1.1	0	2	405957	-405957	-149662	818158	-818158	SLU 52	2.015	Si
-52	20.11	1.1	0	2	405491	-405491	-149490	818158	-818158	SLU 52	2.018	Si
-22	20.11	1.1	0	2	405024	-405024	-149318	818158	-818158	SLU 52	2.02	Si
7	20.11	1.1	0	2	404557	-404557	-149146	818158	-818158	SLU 52	2.022	Si
36	20.11	1.1	0	2	404091	-404091	-148974	818158	-818158	SLU 52	2.025	Si
66	20.11	1.1	0	2	403624	-403624	-148801	818158	-818158	SLU 52	2.027	Si
95	20.11	1.1	0	2	403157	-403157	-148629	818158	-818158	SLU 52	2.029	Si
125	20.11	1.1	0	2	-402686	-402686	-148456	-818158	-818158	SLU 52	2.032	Si
154	20.11	1.1	0	2	-402224	-402224	-148285	-818158	-818158	SLU 52	2.034	Si
184	20.11	1.1	0	2	-401757	-401757	-148113	-818158	-818158	SLU 52	2.036	Si
213	20.11	1.1	0	2	-401297	-401297	-147944	-818158	-818158	SLU 52	2.039	Si
242	20.11	1.1	0	2	-400824	-400824	-147769	-818158	-818158	SLU 52	2.041	Si
272	20.11	1.1	0	2	-400357	-400357	-147597	-818158	-818158	SLU 52	2.044	Si
301	20.11	1.1	0	2	-399890	-399890	-147425	-818158	-818158	SLU 52	2.046	Si
331	20.11	1.1	0	2	-399424	-399424	-147253	-818158	-818158	SLU 52	2.048	Si
360	20.11	1.1	0	2	-398965	-398965	-147084	-818158	-818158	SLU 52	2.051	Si
380	20.11	2.2	0	2,3	224332	224332	-112166	647491	647491	SLU 52	2.886	Si
409	20.11	2.2	0	2,3	223993	223993	-111996	647491	647491	SLU 52	2.891	Si
438	20.11	1.1	0	3	223653	223653	-111827	647491	647491	SLU 52	2.895	Si
467	20.11	1.1	0	3	223314	223314	-111657	647491	647491	SLU 52	2.899	Si
496	20.11	1.1	0	3	-222975	222975	-111487	-647491	647491	SLU 52	2.904	Si
525	20.11	1.1	0	3	-222636	222636	-111318	-647491	647491	SLU 52	2.908	Si
554	20.11	1.1	0	3	-222296	-222296	-111148	-647491	-647491	SLU 52	2.913	Si
583	20.11	1.1	0	3	-221957	-221957	-110978	-647491	-647491	SLU 52	2.917	Si
612	20.11	1.1	0	3	-221618	-221618	-110809	-647491	-647491	SLU 52	2.922	Si
641	20.11	1.1	0	3	-221278	-221278	-110639	-647491	-647491	SLU 52	2.926	Si
670	20.11	1.1	0	3	-220939	-220939	-110470	-647491	-647491	SLU 52	2.931	Si
690	20.11	2.2	0	3,4,6,7	174822	151363	-75682	743103	643388	SLU 52	4.251	Si
719	20.11	2.2	0	3,4,6,7	151030	151030	-75515	647491	647491	SLU 52	4.287	Si
748	20.11	1.1	0	4,6,7	150690	150690	-75345	647491	647491	SLU 52	4.297	Si
777	20.11	1.1	0	4,6,7	150351	150351	-75176	647491	647491	SLU 52	4.307	Si
806	20.11	1.1	0	4,6,7	150012	150012	-75006	647491	647491	SLU 52	4.316	Si
835	20.11	1.1	0	4,6,7	-149673	-149673	-74836	-647491	-647491	SLU 52	4.326	Si
864	20.11	1.1	0	4,6,7	-149333	-149333	-74667	-647491	-647491	SLU 52	4.336	Si
893	20.11	1.1	0	4,6,7	-148994	-148994	-74497	-647491	-647491	SLU 52	4.346	Si
922	20.11	1.1	0	4,6,7	-148655	-148655	-74327	-647491	-647491	SLU 52	4.356	Si
951	20.37	1.6	0	4,5,6,7	-153789	-148315	-74158	-672180	-648257	SLU 52	4.371	Si
980	27.42	2	0	4,5,6,7	-194435	-156716	-73581	-897736	-723582	SLU 51	4.617	Si
1000	20.11	2.4	0	5,6,7,8,9	213432	78041	-39021	1311997	479729	SLU 51	6.147	Si
1029	17.8	2.4	0	5,6,7,8,9	161928	77758	-38879	1036319	497644	SLU 51	6.4	Si
1058	16.08	1.1	0	8,9	107170	77935	-38968	712317	518004	SLU 52	6.647	Si
1087	16.08	1.1	0	8,9	77652	77652	-38826	530708	530708	SLU 52	6.834	Si
1116	16.08	1.1	0	8,9	77370	77370	-38685	530708	530708	SLU 52	6.859	Si
1145	16.08	1.1	0	8,9	-77087	82679	-38543	-524877	562955	SLU 52	6.809	Si
1174	16.08	1.1	0	8,9	-93529	94786	-38402	-615523	623794	SLU 52	6.581	Si
1203	16.08	1.1	0	8,9	-143704	106892	-38261	-883673	657309	SLU 52	6.149	Si
1232	16.08	1.1	0	8,9	-193878	118999	-38119	-1103122	677073	SLU 52	5.69	Si
1261	16.08	1.1	0	8,9	-244053	131105	-37978	-1279211	687191	SLU 52	5.242	Si
1290	22.11	2.1	0	8,9	-301611	139604	-37607	-1560898	722480	SLU 51	5.175	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	1513387	-56354	-83419	-2.02	1.92	2669612	-99409	SLV 13	1.764				Si
-111	20.11	2.2	0	1,2	1388891	-52771	-83288	-2.02	1.92	2640910	-100342	SLV 13	1.901				Si
-81	20.11	1.1	0	2	1262252	-49127	-83156	-2.02	1.92	2596208	-101046	SLV 13	2.057				Si
-52	20.11	1.1	0	2	-1044791	32297	-98665	-2.02	1.92	-2311593	71457	SLV 3	2.212				Si
-22	20.11	1.1	0	2	-936922	26524	-98533	-2.02	1.92	-2192784	62078	SLV 3	2.34				Si
7	20.11	1.1	0	2	-829082	20754	-98401	-2.02	1.92	-2049939	51314	SLV 3	2.473				Si
36	20.11	1.1	0	2	-721285	14986	-98268	-2.02	1.92	-1882423	39111	SLV 3	2.61				Si
66	20.11	1.1	0	2	-583678	58908	-93679	-2.02	1.92	-1633829	164895	SLV 1	2.799				Si
95	20.11	1.1	0	2	-505955	42274	-93547	-2.02	1.92	-1492534	124705	SLV 1	2.95				Si
125	20.11	1.1	0	2	-397491	25537	-93413	-2.02	1.92	-1260686	80993	SLV 1	3.172				Si
154	20.11	1.1	0	2	28314	-38378	-99023	-2.02	1.92	94149	-127613	SLV 7	3.325				Si
184	20.11	1.1	0	2	-2562	-26037	-98891	-2.02	1.92	-8529	-86694	SLV 7	3.33				Si
213	20.11	1.1	0	2	-21634	-7081	-98761	-2.02	1.92	-72127	-23607	SLV 7	3.334				Si
242	20.11	1.1	0	2	22266	5499	-98626	-2.02	1.92	74335	18359	SLV 7	3.339				Si
272	20.11	1.1	0	2	90134	19257	-98494	-2.02	1.92	301322	64377	SLV 7	3.343				Si
301	20.11	1.1	0	2	254871	-37198	-97077	-2.02	1.92	843245	-123071	SLV 3	3.309				Si
331	20.11	1.1	0	2	362033	-42956	-96945	-2.02	1.92	1123273	-133280	SLV 3	3.103				Si
360	20.11	1.1	0	2	467705	-48623	-96815	-2.02	1.92	1367125	-142129	SLV 3	2.923				Si
380	20.11	2.2	0	2,3	-268876	190072	-70033	-2.02	1.92	-955799	675668	SLV 1	3.555				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
409	20.11	2.2	0	2,3	-213870	155350	-69903	-2.02	1.92	-819003	594904	SLV 1	3.829				Si
438	20.11	1.1	0	3	-160706	120689	-69772	-2.02	1.92	-665503	499787	SLV 1	4.141				Si
467	20.11	1.1	0	3	53766	-9298	-74152	-2.02	1.92	238747	-41287	SLV 7	4.44				Si
496	20.11	1.1	0	3	24684	-3398	-74022	-2.02	1.92	109803	-15116	SLV 7	4.448				Si
525	20.11	1.1	0	3	42318	1376	-73891	-2.02	1.92	188573	6132	SLV 7	4.456				Si
554	20.11	1.1	0	3	68273	14710	-73761	-2.02	1.92	304774	65668	SLV 7	4.464				Si
583	20.11	1.1	0	3	-756	19616	-73630	-2.02	1.92	-3381	87722	SLV 7	4.472				Si
612	20.11	1.1	0	3	213235	-89710	-68989	-2.02	1.92	894754	-376432	SLV 1	4.196				Si
641	20.11	1.1	0	3	268085	-124323	-68859	-2.02	1.92	1041094	-482801	SLV 1	3.883				Si
670	20.11	1.1	0	3	323901	-159023	-68728	-2.02	1.92	1168875	-573873	SLV 1	3.609				Si
690	20.11	2.2	0	3,4,6,7	-369730	166335	-46516	-2.02	1.92	-1553406	698848	SLV 1	4.201				Si
719	20.11	2.2	0	3,4,6,7	-297018	132058	-46387	-2.02	1.92	-1418017	630470	SLV 1	4.774				Si
748	20.11	1.1	0	4,6,7	-224117	97283	-46257	-2.02	1.92	-1214951	527376	SLV 1	5.421				Si
777	20.11	1.1	0	4,6,7	-153974	62763	-46126	-2.02	1.92	-950049	387257	SLV 1	6.17				Si
806	20.11	1.1	0	4,6,7	6279	-14129	-49254	-2.02	1.92	41974	-94453	SLV 7	6.685				Si
835	20.11	1.1	0	4,6,7	-21367	64	-49124	-2.02	1.92	-143224	427	SLV 7	6.703				Si
864	20.11	1.1	0	4,6,7	111772	-46924	-45735	-2.02	1.92	748565	-314262	SLV 1	6.697				Si
893	20.11	1.1	0	4,6,7	177348	-80479	-45604	-2.02	1.92	1043576	-473564	SLV 1	5.884				Si
922	20.11	1.1	0	4,6,7	248870	-114998	-45474	-2.02	1.92	1292780	-597370	SLV 1	5.195				Si
951	20.37	1.6	0	4,5,6,7	322280	-149773	-45343	-2.02	1.92	1476453	-686151	SLV 1	4.581				Si
980	27.42	2	0	4,5,6,7	395230	-184049	-45215	-2.02	1.92	1716608	-799385	SLV 1	4.343				Si
1000	20.11	2.4	0	5,6,7,8,9	505589	-92041	-21240	-2.02	1.92	1673785	-304707	SLV 15	3.311				Si
1029	17.8	2.4	0	5,6,7,8,9	382382	-60090	-21131	-2.02	1.92	1691786	-265856	SLV 15	4.424				Si
1058	16.08	1.1	0	8,9	259829	-28215	-21023	-2.02	1.92	1702667	-184894	SLV 15	6.553				Si
1087	16.08	1.1	0	8,9	-66281	62745	-22652	-2.02	1.92	-607848	575421	SLV 1	9.171				Si
1116	16.08	1.1	0	8,9	-16235	33217	-24645	-2.02	1.92	-175063	358179	SLV 7	10.783				Si
1145	16.08	1.1	0	8,9	-93726	77396	-23567	-2.02	1.92	-752937	621753	SLV 11	8.033				Si
1174	16.08	1.1	0	8,9	-243909	101085	-20588	-2.02	1.92	-1311803	543662	SLV 15	5.378				Si
1203	16.08	1.1	0	8,9	-366344	132886	-20479	-2.02	1.92	-1349877	489648	SLV 15	3.685				Si
1232	16.08	1.1	0	8,9	-489510	164812	-20370	-2.02	1.92	-1343865	452463	SLV 15	2.745				Si
1261	16.08	1.1	0	8,9	-612962	196784	-20261	-2.02	1.92	-1267118	406793	SLV 15	2.067				Si
1290	22.11	2.1	0	8,9	-736556	228778	-20153	-2.02	1.92	-1426986	443229	SLV 15	1.937				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	639514	-24178	-88179	1854402	-70109	SLD 13	2.9	Si
-111	20.11	2.2	0	1,2	584857	-23406	-88048	1748049	-69958	SLD 13	2.989	Si
-81	20.11	1.1	0	2	529261	-22622	-87916	1632919	-69794	SLD 13	3.085	Si
-52	20.11	1.1	0	2	473674	-21837	-87784	1510094	-69619	SLD 13	3.188	Si
-22	20.11	1.1	0	2	418100	-21054	-87651	1378836	-69432	SLD 13	3.298	Si
7	20.11	1.1	0	2	-309170	2821	-93641	-1048334	9567	SLD 3	3.391	Si
36	20.11	1.1	0	2	-272371	-91	-93508	-947717	-316	SLD 3	3.48	Si
66	20.11	1.1	0	2	13483	-37964	-93871	47294	-133166	SLD 7	3.508	Si
95	20.11	1.1	0	2	34505	-33101	-93739	121202	-116272	SLD 7	3.513	Si
125	20.11	1.1	0	2	16423	-28223	-93605	57771	-99277	SLD 7	3.518	Si
154	20.11	1.1	0	2	-1271	-23561	-93474	-4476	-82995	SLD 7	3.523	Si
184	20.11	1.1	0	2	-19005	-19537	-93342	-67043	-68918	SLD 7	3.528	Si
213	20.11	1.1	0	2	-31396	-12038	-93212	-110908	-42524	SLD 7	3.532	Si
242	20.11	1.1	0	2	-18752	-7904	-93077	-66337	-27963	SLD 7	3.538	Si
272	20.11	1.1	0	2	1798	-3194	-92945	6369	-11314	SLD 7	3.543	Si
301	20.11	1.1	0	2	24410	1632	-92813	86600	5790	SLD 7	3.548	Si
331	20.11	1.1	0	2	47383	6496	-92680	168342	23079	SLD 7	3.553	Si
360	20.11	1.1	0	2	70079	11292	-92550	249322	40174	SLD 7	3.558	Si
380	20.11	2.2	0	2,3	-51667	123681	-68465	-231470	554098	SLD 1	4.48	Si
409	20.11	2.2	0	2,3	-42244	101566	-68334	-197239	474214	SLD 1	4.669	Si
438	20.11	1.1	0	3	64448	26197	-69956	303346	123303	SLD 7	4.707	Si
467	20.11	1.1	0	3	40801	20034	-69826	192400	94473	SLD 7	4.716	Si
496	20.11	1.1	0	3	18092	13595	-69695	85472	64231	SLD 7	4.724	Si
525	20.11	1.1	0	3	16564	6696	-69565	78404	31696	SLD 7	4.733	Si
554	20.11	1.1	0	3	15039	4439	-69434	71319	21049	SLD 7	4.742	Si
583	20.11	1.1	0	3	-25480	-2505	-69304	-121060	-11900	SLD 7	4.751	Si
612	20.11	1.1	0	3	-79845	-8768	-69173	-380067	-41736	SLD 7	4.76	Si
641	20.11	1.1	0	3	-103726	-14881	-69043	-494676	-70969	SLD 7	4.769	Si
670	20.11	1.1	0	3	-268661	-20446	-65094	-1227503	-93418	SLD 15	4.569	Si
690	20.11	2.2	0	3,4,6,7	275613	34810	-44034	1621790	204832	SLD 15	5.884	Si
719	20.11	2.2	0	3,4,6,7	220785	26018	-43905	1400165	164997	SLD 15	6.342	Si
748	20.11	1.1	0	4,6,7	165623	17010	-43775	1139773	117059	SLD 15	6.882	Si
777	20.11	1.1	0	4,6,7	47398	7734	-46335	336827	54958	SLD 7	7.106	Si
806	20.11	1.1	0	4,6,7	10306	-1663	-46204	73443	-11854	SLD 7	7.126	Si
835	20.11	1.1	0	4,6,7	-12519	-4590	-46074	-89469	-32803	SLD 7	7.147	Si
864	20.11	1.1	0	4,6,7	-31710	-15767	-45943	-227260	-112998	SLD 7	7.167	Si
893	20.11	1.1	0	4,6,7	-132292	-25691	-43122	-944643	-183446	SLD 15	7.141	Si
922	20.11	1.1	0	4,6,7	-186614	-34851	-42992	-1230470	-229797	SLD 15	6.594	Si
951	20.37	1.6	0	4,5,6,7	-242042	-43861	-42861	-1484803	-269062	SLD 15	6.134	Si
980	27.42	2	0	4,5,6,7	-296998	-52654	-42733	-1824170	-323403	SLD 15	6.142	Si
1000	20.11	2.4	0	5,6,7,8,9	271283	-32140	-21749	1748040	-207095	SLD 15	6.444	Si
1029	17.8	2.4	0	5,6,7,8,9	205941	-14379	-21640	1642194	-114659	SLD 15	7.974	Si
1058	16.08	1.1	0	8,9	140962	3341	-21531	1357453	32170	SLD 15	9.63	Si
1087	16.08	1.1	0	8,9	70448	29883	-20835	765330	324644	SLD 13	10.864	Si
1116	16.08	1.1	0	8,9	-5584	37992	-22849	-64081	436002	SLD 7	11.476	Si
1145	16.08	1.1	0	8,9	-51512	60847	-22348	-495024	584732	SLD 11	9.61	Si
1174	16.08	1.1	0	8,9	-126800	75214	-21096	-1004246	595690	SLD 15	7.92	Si
1203	16.08	1.1	0	8,9	-191648	92887	-20987	-1208415	585686	SLD 15	6.305	Si
1232	16.08	1.1	0	8,9	-256943	110631	-20879	-1294079	557187	SLD 15	5.036	Si
1261	16.08	1.1	0	8,9	-322414	128402	-20770	-1320514	525898	SLD 15	4.096	Si
1290	22.11	2.1	0	8,9	-387970	146185	-20661	-1455574	548454	SLD 15	3.752	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-117	-135672	SLU 23	15366	51792	52691	2.35	441.14	-1545	-127571	SLU 19	15029	48385	55356	2.5	31.32	Si
-111	5X/2Y Ø8/10	-117	-135542	SLU 23	15366	51792	52691	2.35	441.14	-1545	-127441	SLU 19	15029	48385	55356	2.5	31.32	Si
-81	5X/2Y Ø8/10	-117	-135410	SLU 23	15366	51792	52691	2.35	441.14	-1545	-127308	SLU 19	15029	48385	55356	2.5	31.32	Si
-52	5X/2Y Ø8/10	-117	-135277	SLU 23	15366	51792	52691	2.35	441.14	-1545	-127176	SLU 19	15029	48385	55356	2.5	31.32	Si
-22	5X/2Y Ø8/15	-117	-135145	SLU 23	15366	36732	50429	2.5	312.86	-1545	-127044	SLU 19	15029	32257	55356	2.5	20.88	Si
7	5X/2Y Ø8/15	-117	-135013	SLU 23	15366	36732	50429	2.5	312.86	-1545	-126911	SLU 19	15029	32257	55356	2.5	20.88	Si
36	5X/2Y Ø8/15	-117	-134880	SLU 23	15366	36732	50429	2.5	312.86	-1545	-126779	SLU 19	15029	32257	55356	2.5	20.88	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
66	5X/2Y Ø8/15	-117	-134748	SLU 23	15366	36732	50429	2.5	312.86	-1545	-126647	SLU 19	15029	32257	55356	2.5	20.88	Si
95	5X/2Y Ø8/15	-117	-134616	SLU 23	15366	36732	50429	2.5	312.86	-1545	-126514	SLU 19	15029	32257	55356	2.5	20.88	Si
125	5X/2Y Ø8/15	-117	-134482	SLU 23	15366	36732	50429	2.5	312.86	-1545	-126381	SLU 19	15029	32257	55356	2.5	20.88	Si
154	5X/2Y Ø8/15	-117	-134351	SLU 23	15366	36732	50429	2.5	312.86	-1545	-126250	SLU 19	15029	32257	55356	2.5	20.88	Si
184	5X/2Y Ø8/15	-117	-134219	SLU 23	15366	36732	50429	2.5	312.86	-1545	-126117	SLU 19	15029	32257	55356	2.5	20.88	Si
213	5X/2Y Ø8/15	-117	-134088	SLU 23	15366	36732	50429	2.5	312.86	-1545	-125987	SLU 19	15029	32257	55356	2.5	20.88	Si
242	5X/2Y Ø8/10	-117	-133954	SLU 23	15366	51792	52691	2.35	441.14	-1545	-125853	SLU 19	15029	48385	55356	2.5	31.32	Si
272	5X/2Y Ø8/10	-117	-133821	SLU 23	15366	51792	52691	2.35	441.14	-1545	-125720	SLU 19	15029	48385	55356	2.5	31.32	Si
301	5X/2Y Ø8/10	-117	-133689	SLU 23	15366	51792	52691	2.35	441.14	-1545	-125588	SLU 19	15029	48385	55356	2.5	31.32	Si
331	5X/2Y Ø8/10	-117	-133557	SLU 23	15366	51792	52691	2.35	441.14	-1545	-125456	SLU 19	15029	48385	55356	2.5	31.32	Si
360	5X/2Y Ø8/10	-117	-133427	SLU 23	15366	51792	52691	2.35	441.14	-1545	-125325	SLU 19	15029	48385	55356	2.5	31.32	Si
380	5X/2Y Ø8/10	-897	-101188	SLU 23	15366	51792	52691	2.35	57.76	-1227	-111616	SLU 51	15029	48385	55356	2.5	39.44	Si
409	5X/2Y Ø8/10	-897	-101057	SLU 23	15366	51792	52691	2.35	57.76	-1227	-111447	SLU 51	15029	48385	55356	2.5	39.44	Si
438	5X/2Y Ø8/10	-897	-100927	SLU 23	15366	51792	52691	2.35	57.76	-1227	-111277	SLU 51	15029	48385	55356	2.5	39.44	Si
467	5X/2Y Ø8/14.4	-897	-100796	SLU 23	15366	38145	50429	2.5	42.54	-1227	-111107	SLU 51	15029	33497	55356	2.5	27.3	Si
496	5X/2Y Ø8/14.4	-897	-100666	SLU 23	15366	38145	50429	2.5	42.54	-1227	-110938	SLU 51	15029	33497	55356	2.5	27.3	Si
525	5X/2Y Ø8/14.4	-897	-100535	SLU 23	15366	38145	50429	2.5	42.54	-1227	-110768	SLU 51	15029	33497	55356	2.5	27.3	Si
554	5X/2Y Ø8/14.4	-897	-100405	SLU 23	15366	38145	50429	2.5	42.54	-1227	-110598	SLU 51	15029	33497	55356	2.5	27.3	Si
583	5X/2Y Ø8/14.4	-897	-100274	SLU 23	15366	38145	50429	2.5	42.54	-1227	-110429	SLU 51	15029	33497	55356	2.5	27.3	Si
612	5X/2Y Ø8/10	-897	-100144	SLU 23	15366	51792	52691	2.35	57.76	-1227	-110259	SLU 51	15029	48385	55356	2.5	39.44	Si
641	5X/2Y Ø8/10	-897	-100013	SLU 23	15366	51792	52691	2.35	57.76	-1227	-110089	SLU 51	15029	48385	55356	2.5	39.44	Si
670	5X/2Y Ø8/10	-897	-99883	SLU 23	15366	51792	52691	2.35	57.76	-1227	-109920	SLU 51	15029	48385	55356	2.5	39.44	Si
690	5X/2Y Ø8/10	-998	-68514	SLU 25	15366	50690	52138	2.3	50.81	-1290	-75272	SLU 51	15029	48385	54927	2.5	37.5	Si
719	5X/2Y Ø8/10	-998	-68386	SLU 25	15366	50690	52120	2.3	50.81	-1290	-75105	SLU 51	15029	48385	54903	2.5	37.5	Si
748	5X/2Y Ø8/10	-998	-68255	SLU 25	15366	50690	52103	2.3	50.81	-1290	-74935	SLU 51	15029	48385	54879	2.5	37.5	Si
777	5X/2Y Ø8/14.4	-998	-68125	SLU 25	15366	38145	49117	2.5	38.24	-1290	-74766	SLU 51	15029	33497	54855	2.5	25.96	Si
806	5X/2Y Ø8/14.4	-998	-67994	SLU 25	15366	38145	49101	2.5	38.24	-1290	-74596	SLU 51	15029	33497	54831	2.5	25.96	Si
835	5X/2Y Ø8/14.4	-998	-67864	SLU 25	15366	38145	49084	2.5	38.24	-1290	-74426	SLU 51	15029	33497	54807	2.5	25.96	Si
864	5X/2Y Ø8/14.4	-998	-67733	SLU 25	15366	38145	49067	2.5	38.24	-1290	-74257	SLU 51	15029	33497	54783	2.5	25.96	Si
893	5X/2Y Ø8/14.4	-998	-67603	SLU 25	15366	38145	49050	2.5	38.24	-1290	-74087	SLU 51	15029	33497	54759	2.5	25.96	Si
922	5X/2Y Ø8/10	-998	-67472	SLU 25	15366	50690	51996	2.3	50.81	-1290	-73917	SLU 51	15029	48385	54735	2.5	37.5	Si
951	5X/2Y Ø8/10	-998	-67342	SLU 25	15366	50690	51978	2.3	50.81	-1290	-73748	SLU 51	15029	48385	54711	2.5	37.5	Si
980	5X/2Y Ø8/10	-998	-67213	SLU 25	15366	50690	51960	2.3	50.81	-1290	-73581	SLU 51	15029	48385	54688	2.5	37.5	Si
1000	4X/2Y Ø8/10	526	-28722	SLU 44	9881	39671	40166	2.25	75.44	-1776	-39021	SLU 51	10833	39534	41593	2.5	22.26	Si
1029	4X/2Y Ø8/10	526	-28581	SLU 44	9864	39671	40146	2.25	75.44	-1776	-38879	SLU 51	10814	39534	41573	2.5	22.26	Si
1058	4X/2Y Ø8/10	526	-28439	SLU 44	9846	39671	40127	2.25	75.44	-1776	-38738	SLU 51	10795	39534	41554	2.5	22.26	Si
1087	4X/2Y Ø8/14.4	526	-28298	SLU 44	9828	30516	37264	2.5	58.03	-1776	-38596	SLU 51	10776	27370	41534	2.5	15.41	Si
1116	4X/2Y Ø8/14.4	526	-28157	SLU 44	9811	30516	37246	2.5	58.03	-1776	-38455	SLU 51	10758	27370	41515	2.5	15.41	Si
1145	4X/2Y Ø8/14.4	526	-28015	SLU 44	9793	30516	37228	2.5	58.03	-1776	-38314	SLU 51	10739	27370	41495	2.5	15.41	Si
1174	4X/2Y Ø8/14.4	526	-27874	SLU 44	9776	30516	37209	2.5	58.03	-1776	-38172	SLU 51	10720	27370	41475	2.5	15.41	Si
1203	4X/2Y Ø8/14.4	526	-27733	SLU 44	9758	30516	37191	2.5	58.03	-1776	-38031	SLU 51	10701	27370	41456	2.5	15.41	Si
1232	4X/2Y Ø8/10	526	-27591	SLU 44	9740	39671	40009	2.25	75.44	-1776	-37890	SLU 51	10682	39534	41436	2.5	22.26	Si
1261	4X/2Y Ø8/10	526	-27450	SLU 44	9723	39671	39989	2.25	75.44	-1776	-37748	SLU 51	10663	39534	41417	2.5	22.26	Si
1290	4X/2Y Ø8/10	526	-27308	SLU 44	9705	39671	39970	2.25	75.44	-1776	-37607	SLU 51	10644	39534	41397	2.5	22.26	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-760	-85489	SLV 5	15366	51792	52691	2.35	68.17	-4308	-83419	SLV 13	15029	48385	55356	2.5	11.23	Si
-111	5X/2Y Ø8/10	-760	-85359	SLV 5	15366	51792	52691	2.35	68.17	-4308	-83288	SLV 13	15029	48385	55356	2.5	11.23	Si
-81	5X/2Y Ø8/10	-760	-85227	SLV 5	15366	51792	52691	2.35	68.17	-4308	-83156	SLV 13	15029	48385	55356	2.5	11.23	Si
-52	5X/2Y Ø8/10	-760	-85095	SLV 5	15366	51792	52691	2.35	68.17	-4308	-83024	SLV 13	15029	48385	55356	2.5	11.23	Si
-22	5X/2Y Ø8/15	-760	-84962	SLV 5	15366	36732	50429	2.5	48.35	-4308	-82891	SLV 13	15029	32257	55356	2.5	7.49	Si
7	5X/2Y Ø8/15	-760	-84830	SLV 5	15366	36732	50429	2.5	48.35	-4308	-82759	SLV 13	15029	32257	55356	2.5	7.49	Si
36	5X/2Y Ø8/15	-760	-84698	SLV 5	15366	36732	50429	2.5	48.35	-4308	-82627	SLV 13	15029	32257	55356	2.5	7.49	Si
66	5X/2Y Ø8/15	-760	-84565	SLV 5	15366	36732	50429	2.5	48.35	-4308	-82494	SLV 13	15029	32257	55356	2.5	7.49	Si
95	5X/2Y Ø8/15	-760	-84433	SLV 5	15366	36732	50429	2.5	48.35	-4308	-82362	SLV 13	15029	32257	55356	2.5	7.49	Si
125	5X/2Y Ø8/15	-760	-84299	SLV 5	15366	36732	50429	2.5	48.35	-4308	-82228	SLV 13	15029	32257	55356	2.5	7.49	Si
154	5X/2Y Ø8/15	-760	-84168	SLV 5	15366	36732	50429	2.5	48.35	-4308	-82097	SLV 13	15029	32257	55356	2.5	7.49	Si
184	5X/2Y Ø8/15	-760	-84036	SLV 5	15366	36732	50429	2.5	48.35	-4308	-81965	SLV 13	15029	32257	55356	2.5	7.49	Si
213	5X/2Y Ø8/15	-760	-83905	SLV 5	15366	36732	50429	2.5	48.35	-4308	-81835	SLV 13	15029	32257	55356	2.5	7.49	Si
242	5X/2Y Ø8/10	-760	-83771	SLV 5	15366	51792	52691	2.35	68.17	-4308	-81700	SLV 13	15029	48385	55356	2.5	11.23	Si
272	5X/2Y Ø8/10	-760	-83639	SLV 5	15366	51792	52691	2.35	68.17	-4308	-81568	SLV 13	15029	48385	55356	2.5	11.23	Si
301	5X/2Y Ø8/10	-760	-83506	SLV 5	15366	51792	52691	2.35	68.17	-4308	-81436	SLV 13	15029	48385	55356	2.5	11.23	Si
331	5X/2Y Ø8/10	-760	-83374	SLV 5	15366	51792	52691	2.35	68.17	-4308	-81303	SLV 13	15029	48385	55356	2.5	11.23	Si
360	5X/2Y Ø8/10	-760	-83244	SLV 5	15366	51792	52691	2.35	68.17	-4308	-81173	SLV 13	15029	48385	55356	2.5	11.23	Si
380	5X/2Y Ø8/10	-1476	-62927	SLV 5	15366	50690	51375	2.3	34.34	-3291	-64831	SLV 15	15029	48385	53451	2.5	14.7	Si
409	5X/2Y Ø8/10	-1476	-62796	SLV 5	15366	50690	51357	2.3	34.34	-3291	-64700	SLV 15	15029	48385	53432	2.5	14.7	Si
438	5X/2Y Ø8/10	-1476	-62666	SLV 5	15366	50690	51339	2.3	34.34	-3291	-64570	SLV 15	15029	48385	53414	2.5	14.7	Si
467	5X/2Y Ø8/14.4	-1476	-62535	SLV 5	15352	38145	48398	2.5	25.84	-3291	-64439	SLV 15	15029	33497	53395	2.5	10.18	Si
496	5X/2Y Ø8/14.4	-1476	-62405	SLV 5	15336	38145	48381	2.5	25.84	-3291	-64309	SLV 15	15029	33497	53377	2.5	10.18	Si
525	5X/2Y Ø8/14.4	-1476	-62274	SLV 5	15320	38145	48364	2.5	25.84	-3291	-64178	SLV 15	15029	33497	53358	2.5	10.18	Si
554	5X/2Y Ø8/14.4	-1476	-62144	SLV 5	15303	38145	48347	2.5	25.84	-3291	-64048	SLV 15	15029	33497	53340	2.5	10.18	Si
583	5X/2Y Ø8/14.4	-1476	-62013	SLV 5	15287	38145	48330	2.5	25.84	-3291	-63917	SLV 15	15029	33497	53322	2.5	10.18	Si
612	5X/2Y Ø8/10	-1476	-61883	SLV 5	15271	50690	51232	2.3	34.34	-3291	-63787	SLV 15	15029	48385	53303	2.5	14.7	Si
641	5X/2Y Ø8/10	-1476	-61752	SLV 5	15255	50690	51214	2.3	34.34	-3291	-63656	SLV 15	15029	48385	53285	2.5	14.7	Si
670	5X/2Y Ø8/10	-1476	-61622	SLV 5	15238	50690	51197	2.3	34.34	-3291	-63526	SLV 15	15029	48385	53266	2.5	14.7	Si
690	5X/2Y Ø8/10	-1475	-41525	SLV 5	12736	48486	49916	2.2	32.87	-3956	-42980	SLV 15	12341	48385	50361	2.5	12.23	Si
719	5X/2Y Ø8/10	-1475	-41397	SLV 5	12720	48486	49898	2.2	32.87	-3956	-42851	SLV 15	12323	48385	50343	2.5	12.23	Si
748	5X/2Y Ø8/10	-1475	-41266	SLV 5	12704	48486	49880	2.2	32.87	-3956	-42721	SLV 15	12305	48385	50325	2.5	12.23	Si
777	5X/2Y Ø8/14.4	-1475	-41136	SLV 5	12688	38145	45641	2.5	25.86	-3956	-42590	SLV 15	12288	33497	50306	2.5	8.47	Si
806	5X/2Y Ø8/14.4	-1475	-41005	SLV 5	12672	38145	45625	2.5	25.86	-3956	-42460	SLV 15	12270	33497	50288	2.5	8.47	Si
835	5X/2Y Ø8/14.4	-1475	-40875	SLV 5	12655	38145	45608	2.5	25.86	-3956	-42329	SLV 15	12252	33497	50270	2.5	8.47	Si
864	5X/2Y Ø8/14.4	-1475	-40744	SLV 5	12639	38145	45591	2.5	25.86	-3956	-42199	SLV 15	12234	33497	50251	2.5	8.47	Si
893	5X/2Y Ø8/14.4	-1475	-40614	SLV 5	12623	38145	45574	2.5	25.86	-3956	-42068	SLV 15	12216	33497	50233	2.5	8.47	Si
922	5X/2Y Ø8/10	-1475	-40483	SLV 5	12607	48486	49770	2.2	32.87	-3956	-41938	SLV 15	12198	48385	50214	2.5	12.23	Si
951	5X/2Y Ø8/10	-1475	-40353	SLV 5	12590	48486	49751	2.2	32.87	-3956	-41807	SLV 15	12181	48385	50196	2.5	12.23	Si
980	5X/2Y Ø8/10	-1475	-40224	SLV 5	12574	48486	49733	2.2	32.87	-3956	-41679	SLV 15	12163	48385	50178	2.5	12.23	Si
1000	4X/2Y Ø8/10	1450	-24111	SLV 11	9307	38789	40121	2.2	26.75	-4271	-21240	SLV 15	8451	38743	39701	2.45	9.07	Si
1029	4X/2Y Ø8/10	1450	-24002	SLV 11	9294	38789	40105	2.2	26.75	-4271	-21131	SLV 15	8436	38743	39686	2.45	9.07	Si
1058	4X/2Y Ø8/10	1450	-23894	SLV 11	9280	38789	40090	2.2	26.75	-4271	-21023	SLV 15	8422	38743	39670	2.45	9.07	Si
1087	4X/2Y Ø8/14.4	1450	-23785	SLV 11	9267	30516	36683	2.5	21.04	-4271	-20914	SLV 15	8407	27370	39083	2.5	6.41	Si
1116	4X/2Y Ø8/14.4	1450	-23676	SLV 11	9253	30516	36669	2.5	21.04	-4271	-20805	SLV 15	8392	27370	39068	2.5	6.41	Si
1145	4X/2Y Ø8/14.4	1450	-23567	SLV 11	9240	30516	36655	2.5	21.04	-4271	-20696	SLV 15	8378	27370	39053	2.5	6.41	Si
1174	4X/2Y Ø8/14.4	1450	-23459	SLV 11	9226	30516	36641	2.5	21.04	-4271	-20588	SLV 15	8363	27370	39038	2.5	6.41	Si
1203	4X/2Y Ø8/14.4	1450	-23350	SLV 11	9212	30516	36627	2.5	21.04	-4271	-20479	SLV 15	8349	27370	39023	2.5	6.41	Si
1232	4X/2Y Ø8/10	1450	-23241	SLV 11	9199	38789	39998	2.2	26.75	-4271	-20370	SLV 15	8334	38743	39579	2.45	9.07	Si
1261	4X/2Y Ø8/10	1450	-23132	SLV 11	9185	38789	39983	2.2	26.75	-4271	-20261	SLV 15	8320	38743	39563	2.45	9.07	Si
1290	4X/2Y Ø8/10	1450	-23024	SLV 11	9172	38789	39968	2.2	26.75	-4271	-20153	SLV 15	8305	38743	39548	2.45	9.07	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-321	-88998	SLD 5	18647	55098	50429	2.5	157.12	-1892	-88179	SLD 13	18518	48385	55356	2.5	25.58	Si
-111	5X/2Y Ø8/10	-321	-88867	SLD 5	18630	55098	50429	2.5	157.12	-1892	-88048	SLD 13	18500	48385	55356	2.5	25.58	Si
-81	5X/2Y Ø8/10	-321	-88735	SLD 5	18614	55098	50429	2.5	157.12	-1892	-87916	SLD 13	18482	48385	55356	2.5	25.58	Si
-52	5X/2Y Ø8/10	-321	-88603	SLD 5	18597	55098	50429	2.5	157.12	-1892	-87784	SLD 13	18464	48385	55356	2.5	25.58	Si
-22	5X/2Y Ø8/15	-321	-88470	SLD 5	18581	36732	50429	2.5	114.44	-1892	-87651	SLD 13	18446	32257	55356	2.5	17.05	Si
7	5X/2Y Ø8/15	-321	-88338	SLD 5	18565	36732	50429	2.5	114.44	-1892	-87519	SLD 13	18428	32257	55356	2.5	17.05	Si
36	5X/2Y Ø8/15	-321	-88206	SLD 5	18548	36732	50429	2.5	114.44	-1892	-87387	SLD 13	18410	32257	55356	2.5	17.05	Si
66	5X/2Y Ø8/15	-321	-88073	SLD 5	18532	36732	50429	2.5	114.44	-1892	-87254	SLD 13	18392	32257	55356	2.5	17.05	Si
95	5X/2Y Ø8/15	-321	-87941	SLD 5	18515	36732	50429	2.5	114.44	-1892	-87122	SLD 13	18373	32257	55356	2.5	17.05	Si
125	5X/2Y Ø8/15	-321	-87807	SLD 5	18498	36732	50429	2.5	114.44	-1892	-86988	SLD 13	18355	32257	55356	2.5	17.05	Si
154	5X/2Y Ø8/15	-321	-87676	SLD 5	18482	36732	50429	2.5	114.44	-1892	-86857	SLD 13	18337	32257	55356	2.5	17.05	Si
184	5X/2Y Ø8/15	-321	-87544	SLD 5	18466	36732	50429	2.5	114.44	-1892	-86725	SLD 13	18319	32257	55356	2.5	17.05	Si
213	5X/2Y Ø8/15	-321	-87414	SLD 5	18449	36732	50429	2.5	114.44	-1892	-86595	SLD 13	18301	32257	55356	2.5	17.05	Si
242	5X/2Y Ø8/10	-321	-87279	SLD 5	18433	55098	50429	2.5	157.12	-1892	-86460	SLD 13	18283	48385	55356	2.5	25.58	Si
272	5X/2Y Ø8/10	-321	-87147	SLD 5	18416	55098	50429	2.5	157.12	-1892	-86328	SLD 13	18265	48385	55356	2.5	25.58	Si
301	5X/2Y Ø8/10	-321	-87015	SLD 5	18400	55098	50429	2.5	157.12	-1892	-86196	SLD 13	18247	48385	55356	2.5	25.58	Si
331	5X/2Y Ø8/10	-321	-86882	SLD 5	18383	55098	50429	2.5	157.12	-1892	-86063	SLD 13	18229	48385	55356	2.5	25.58	Si
360	5X/2Y Ø8/10	-321	-86752	SLD 5	18367	55098	50429	2.5	157.12	-1892	-85933	SLD 13	18211	48385	55356	2.5	25.58	Si
380	5X/2Y Ø8/10	-872	-65675	SLD 5	15743	55098	48802	2.5	55.96	-1684	-66399	SLD 15	15541	48385	53672	2.5	28.73	Si
409	5X/2Y Ø8/10	-872	-65545	SLD 5	15727	55098	48785	2.5	55.94	-1684	-66269	SLD 15	15524	48385	53654	2.5	28.73	Si
438	5X/2Y Ø8/10	-872	-65414	SLD 5	15711	55098	48768	2.5	55.92	-1684	-66138	SLD 15	15506	48385	53636	2.5	28.73	Si
467	5X/2Y Ø8/14.4	-872	-65284	SLD 5	15694	38145	48752	2.5	43.74	-1684	-66008	SLD 15	15488	33497	53617	2.5	19.89	Si
496	5X/2Y Ø8/14.4	-872	-65153	SLD 5	15678	38145	48735	2.5	43.74	-1684	-65877	SLD 15	15470	33497	53599	2.5	19.89	Si
525	5X/2Y Ø8/14.4	-872	-65023	SLD 5	15662	38145	48718	2.5	43.74	-1684	-65747	SLD 15	15452	33497	53580	2.5	19.89	Si
554	5X/2Y Ø8/14.4	-872	-64892	SLD 5	15646	38145	48701	2.5	43.74	-1684	-65616	SLD 15	15434	33497	53562	2.5	19.89	Si
583	5X/2Y Ø8/14.4	-872	-64762	SLD 5	15629	38145	48684	2.5	43.74	-1684	-65486	SLD 15	15417	33497	53543	2.5	19.89	Si
612	5X/2Y Ø8/10	-872	-64631	SLD 5	15613	55098	48667	2.5	55.81	-1684	-65355	SLD 15	15399	48385	53525	2.5	28.73	Si
641	5X/2Y Ø8/10	-872	-64501	SLD 5	15597	55098	48651	2.5	55.79	-1684	-65225	SLD 15	15381	48385	53506	2.5	28.73	Si
670	5X/2Y Ø8/10	-872	-64370	SLD 5	15581	55098	48634	2.5	55.77	-1684	-65094	SLD 15	15363	48385	53488	2.5	28.73	Si
690	5X/2Y Ø8/10	-917	-43491	SLD 5	12981	55098	45945	2.5	50.13	-1956	-44034	SLD 15	12485	48385	50510	2.5	24.73	Si
719	5X/2Y Ø8/10	-917	-43362	SLD 5	12965	55098	45928	2.5	50.11	-1956	-43905	SLD 15	12467	48385	50492	2.5	24.73	Si
748	5X/2Y Ø8/10	-917	-43232	SLD 5	12949	55098	45911	2.5	50.09	-1956	-43775	SLD 15	12449	48385	50474	2.5	24.73	Si
777	5X/2Y Ø8/14.4	-917	-43101	SLD 5	12933	38145	45895	2.5	41.62	-1956	-43644	SLD 15	12432	33497	50455	2.5	17.12	Si
806	5X/2Y Ø8/14.4	-917	-42971	SLD 5	12916	38145	45878	2.5	41.62	-1956	-43514	SLD 15	12414	33497	50437	2.5	17.12	Si
835	5X/2Y Ø8/14.4	-917	-42840	SLD 5	12900	38145	45861	2.5	41.62	-1956	-43383	SLD 15	12396	33497	50419	2.5	17.12	Si
864	5X/2Y Ø8/14.4	-917	-42710	SLD 5	12884	38145	45844	2.5	41.62	-1956	-43253	SLD 15	12378	33497	50400	2.5	17.12	Si
893	5X/2Y Ø8/14.4	-917	-42579	SLD 5	12868	38145	45827	2.5	41.62	-1956	-43122	SLD 15	12360	33497	50382	2.5	17.12	Si
922	5X/2Y Ø8/10	-917	-42449	SLD 5	12851	55098	45811	2.5	49.98	-1956	-42992	SLD 15	12342	48385	50363	2.5	24.73	Si
951	5X/2Y Ø8/10	-917	-42318	SLD 5	12835	55098	45794	2.5	49.96	-1956	-42861	SLD 15	12325	48385	50345	2.5	24.73	Si
980	5X/2Y Ø8/10	-917	-42190	SLD 5	12819	55098	45777	2.5	49.94	-1956	-42733	SLD 15	12307	48385	50327	2.5	24.73	Si
1000	4X/2Y Ø8/10	750	-22891	SLD 11	9155	44078	36568	2.5	48.78	-2266	-21749	SLD 15	8519	39534	39199	2.5	17.3	Si
1029	4X/2Y Ø8/10	750	-22783	SLD 11	9142	44078	36554	2.5	48.76	-2266	-21640	SLD 15	8504	39534	39184	2.5	17.29	Si
1058	4X/2Y Ø8/10	750	-22674	SLD 11	9128	44078	36540	2.5	48.74	-2266	-21531	SLD 15	8490	39534	39169	2.5	17.28	Si
1087	4X/2Y Ø8/14.4	750	-22565	SLD 11	9115	30516	36526	2.5	40.71	-2266	-21422	SLD 15	8475	27370	39154	2.5	12.08	Si
1116	4X/2Y Ø8/14.4	750	-22456	SLD 11	9101	30516	36512	2.5	40.71	-2266	-21314	SLD 15	8461	27370	39139	2.5	12.08	Si
1145	4X/2Y Ø8/14.4	750	-22348	SLD 11	9088	30516	36498	2.5	40.71	-2266	-21205	SLD 15	8446	27370	39123	2.5	12.08	Si
1174	4X/2Y Ø8/14.4	750	-22239	SLD 11	9074	30516	36484	2.5	40.71	-2266	-21096	SLD 15	8431	27370	39108	2.5	12.08	Si
1203	4X/2Y Ø8/14.4	750	-22130	SLD 11	9061	30516	36470	2.5	40.71	-2266	-20987	SLD 15	8417	27370	39093	2.5	12.08	Si
1232	4X/2Y Ø8/10	750	-22021	SLD 11	9047	44078	36456	2.5	48.63	-2266	-20879	SLD 15	8402	39534	39078	2.5	17.24	Si
1261	4X/2Y Ø8/10	750	-21913	SLD 11	9033	44078	36442	2.5	48.61	-2266	-20770	SLD 15	8388	39534	39063	2.5	17.24	Si
1290	4X/2Y Ø8/10	750	-21804	SLD 11	9020	44078	36428	2.5	48.59	-2266	-20661	SLD 15	8373	39534	39048	2.5	17.23	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	264518	-12573	-100145	SLE RA 7	-61.3	207108	-6781	-105881	SLE RA 13	-882.7	Si
-111	235644	-12767	-100015	SLE RA 7	-59.9	184040	-7617	-105751	SLE RA 13	-869	Si
-81	160572	-8467	-105619	SLE RA 13	-58.6	160572	-8467	-105619	SLE RA 13	-855.1	Si
-52	137105	-9317	-105486	SLE RA 13	-57.5	137105	-9317	-105486	SLE RA 13	-841.2	Si
-22	113637	-10168	-105354	SLE RA 13	-56.4	113637	-10168	-105354	SLE RA 13	-827.3	Si
7	90170	-11018	-105222	SLE RA 13	-55.3	90170	-11018	-105222	SLE RA 13	-813.4	Si
36	66702	-11868	-105089	SLE RA 13	-54.2	66702	-11868	-105089	SLE RA 13	-799.5	Si
66	43235	-12719	-104957	SLE RA 13	-53.2	43235	-12719	-104957	SLE RA 13	-785.6	Si
95	19767	-13569	-104824	SLE RA 13	-52.1	19767	-13569	-104824	SLE RA 13	-771.7	Si
125	-10648	-13972	-104355	SLE RA 12	-51.4	-10648	-13972	-104355	SLE RA 12	-763.4	Si
154	-27168	-15270	-104560	SLE RA 13	-52.4	-27168	-15270	-104560	SLE RA 13	-775.7	Si
184	-50635	-16120	-104427	SLE RA 13	-53.6	-50635	-16120	-104427	SLE RA 13	-789.2	Si
213	-73751	-16958	-104297	SLE RA 13	-54.7	-73751	-16958	-104297	SLE RA 13	-802.5	Si
242	-97570	-17821	-104163	SLE RA 13	-55.8	-97570	-17821	-104163	SLE RA 13	-816.2	Si
272	-121038	-18671	-104030	SLE RA 13	-56.9	-121038	-18671	-104030	SLE RA 13	-829.7	Si
301	-144505	-19521	-103898	SLE RA 13	-58.1	-144505	-19521	-103898	SLE RA 13	-843.2	Si
331	-167973	-20372	-103766	SLE RA 13	-59.2	-167973	-20372	-103766	SLE RA 13	-856.8	Si
360	-191041	-21208	-103636	SLE RA 13	-60.3	-191041	-21208	-103636	SLE RA 13	-870	Si
380	118708	94800	-78785	SLE RA 12	-51.8	118708	94800	-78785	SLE RA 12	-715.5	Si
409	93919	78380	-78655	SLE RA 12	-49	93919	78380	-78655	SLE RA 12	-685.6	Si
438	69129	61960	-78524	SLE RA 12	-46.3	69129	61960	-78524	SLE RA 12	-655.6	Si
467	44339	45540	-78394	SLE RA 12	-43.6	44339	45540	-78394	SLE RA 12	-625.7	Si
496	19549	29120	-78263	SLE RA 12	-40.8	19549	29120	-78263	SLE RA 12	-595.8	Si
525	-32238	13404	-78499	SLE RA 13	-40.1	-32238	13404	-78499	SLE RA 13	-591	Si
554	-51518	-2512	-78369	SLE RA 13	-40	-51518	-2512	-78369	SLE RA 13	-591.7	Si
583	-70797	-18429	-78238	SLE RA 13	-42.3	-70797	-18429	-78238	SLE RA 13	-616.1	Si
612	-90077	-34345	-78108	SLE RA 13	-44.6	-90077	-34345	-78108	SLE RA 13	-640.5	Si
641	-109357	-50262	-77977	SLE RA 13	-46.9	-109357	-50262	-77977	SLE RA 13	-664.9	Si
670	-129190	-69399	-77480	SLE RA 12	-49.3	-129190	-69399	-77480	SLE RA 12	-689.8	Si
690	122167	84157	-53184	SLE RA 12	-38.8	122167	84157	-53184	SLE RA 12	-525.4	Si
719	96919	65636	-53056	SLE RA 12	-35.8	95022	64950	-53330	SLE RA 13	-493.6	Si
748	69890	46459	-53199	SLE RA 13	-32.9	69890	46459	-53199	SLE RA 13	-461.6	Si
777	44758	27969	-53069	SLE RA 13	-29.9	44758	27969	-53069	SLE RA 13	-429.6	Si
806	19626	9478	-52938	SLE RA 13	-27	19626	9478	-52938	SLE RA 13	-397.7	Si
835	-5505	-9012	-52808	SLE RA 13	-26.2	-5505	-9012	-52808	SLE RA 13	-388.1	Si
864	-31538	-28595	-52404	SLE RA 12	-29	-30637	-27503	-52677	SLE RA 13	-418.2	Si
893	-57230	-47442	-52273	SLE RA 12	-31.9	-57230	-47442	-52273	SLE RA 12	-448.5	Si
922	-82921	-66288	-52143	SLE RA 12	-34.8	-82921	-66288	-52143	SLE RA 12	-479.2	Si
951	-108613	-85134	-52012	SLE RA 12	-37.6	-108613	-85134	-52012	SLE RA 12	-508.9	Si
980	-133861	-103655	-51884	SLE RA 12	-38.2	-133861	-103655	-51884	SLE RA 12	-512.6	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1000	146768	15076	-27280	SLE RA 10	-26.6	146999	12181	-27649	SLE RA 12	-359.2	Si
1029	111519	21008	-27540	SLE RA 12	-25.4	111519	21008	-27540	SLE RA 12	-345.2	Si
1058	76039	29835	-27431	SLE RA 12	-24.3	76039	29835	-27431	SLE RA 12	-329.7	Si
1087	39276	38744	-27476	SLE RA 13	-22.8	39276	38744	-27476	SLE RA 13	-309.9	Si
1116	4682	47903	-27367	SLE RA 13	-21.3	4682	47903	-27367	SLE RA 13	-290.8	Si
1145	-29911	57062	-27258	SLE RA 13	-24	-29911	57062	-27258	SLE RA 13	-320	Si
1174	-64505	66221	-27149	SLE RA 13	-27.3	-64505	66221	-27149	SLE RA 13	-356.8	Si
1203	-99099	75380	-27041	SLE RA 13	-30.7	-99099	75380	-27041	SLE RA 13	-393.6	Si
1232	-133692	84539	-26932	SLE RA 13	-34	-133692	84539	-26932	SLE RA 13	-430.5	Si
1261	-168286	93698	-26823	SLE RA 13	-37.3	-168286	93698	-26823	SLE RA 13	-467.3	Si
1290	-202880	102857	-26714	SLE RA 13	-38.6	-207802	100452	-26561	SLE RA 12	-479.6	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	73358	-3415	-91239	SLE QP 2	-47.2	Si
-111	64151	-4463	-91109	SLE QP 2	-46.8	Si
-81	54785	-5528	-90977	SLE QP 2	-46.4	Si
-52	45419	-6594	-90844	SLE QP 2	-46	Si
-22	36053	-7659	-90712	SLE QP 2	-45.6	Si
7	26686	-8725	-90580	SLE QP 2	-45.2	Si
36	17320	-9790	-90447	SLE QP 2	-44.8	Si
66	7954	-10856	-90315	SLE QP 2	-44.3	Si
95	-1412	-11921	-90183	SLE QP 2	-44.1	Si
125	-10872	-12998	-90049	SLE QP 2	-44.6	Si
154	-20145	-14053	-89918	SLE QP 2	-45	Si
184	-29511	-15118	-89786	SLE QP 2	-45.5	Si
213	-38736	-16168	-89655	SLE QP 2	-46	Si
242	-48243	-17249	-89521	SLE QP 2	-46.5	Si
272	-57609	-18315	-89389	SLE QP 2	-46.9	Si
301	-66976	-19380	-89256	SLE QP 2	-47.4	Si
331	-76342	-20446	-89124	SLE QP 2	-47.9	Si
360	-85549	-21493	-88994	SLE QP 2	-48.4	Si
380	89251	81222	-67432	SLE QP 2	-43.7	Si
409	70307	67148	-67302	SLE QP 2	-41.5	Si
438	51364	53074	-67171	SLE QP 2	-39.2	Si
467	32420	39000	-67041	SLE QP 2	-37	Si
496	13476	24927	-66910	SLE QP 2	-34.8	Si
525	-5467	10853	-66780	SLE QP 2	-33	Si
554	-24411	-3221	-66649	SLE QP 2	-33.2	Si
583	-43354	-17295	-66519	SLE QP 2	-35.3	Si
612	-62298	-31369	-66388	SLE QP 2	-37.4	Si
641	-81241	-45443	-66258	SLE QP 2	-39.5	Si
670	-100185	-59517	-66127	SLE QP 2	-41.7	Si
690	92917	71895	-44748	SLE QP 2	-32.3	Si
719	73676	55970	-44619	SLE QP 2	-29.8	Si
748	54097	39766	-44489	SLE QP 2	-27.4	Si
777	34519	23562	-44358	SLE QP 2	-24.9	Si
806	14940	7358	-44228	SLE QP 2	-22.4	Si
835	-4639	-8846	-44097	SLE QP 2	-22	Si
864	-24217	-25050	-43967	SLE QP 2	-24.4	Si
893	-43796	-41255	-43836	SLE QP 2	-26.7	Si
922	-63375	-57459	-43706	SLE QP 2	-29.1	Si
951	-82953	-73663	-43575	SLE QP 2	-31.3	Si
980	-102194	-89588	-43447	SLE QP 2	-31.8	Si
1000	115022	7491	-22109	SLE QP 2	-20.8	Si
1029	87202	16016	-22000	SLE QP 2	-20.1	Si
1058	59383	24541	-21892	SLE QP 2	-19.4	Si
1087	31563	33066	-21783	SLE QP 2	-18.3	Si
1116	3743	41591	-21674	SLE QP 2	-17.3	Si
1145	-24076	50116	-21565	SLE QP 2	-19.6	Si
1174	-51896	58641	-21457	SLE QP 2	-22.4	Si
1203	-79715	67166	-21348	SLE QP 2	-25.2	Si
1232	-107535	75691	-21239	SLE QP 2	-27.9	Si
1261	-135355	84217	-21130	SLE QP 2	-30.7	Si
1290	-163174	92742	-21022	SLE QP 2	-31.8	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

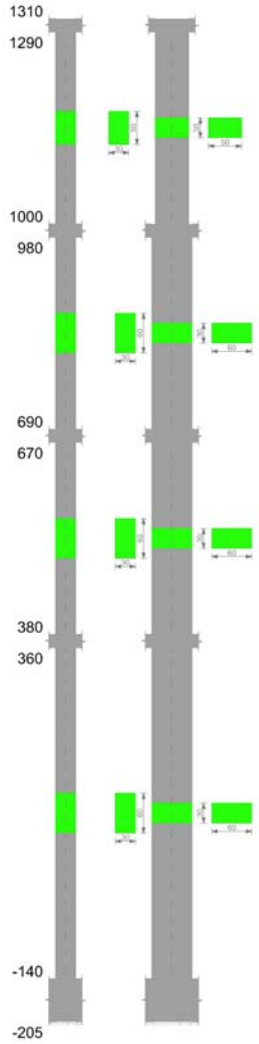
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.

Pilastro 7

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60	No	No	No	No		C30/37	B450C	
380	670	R 30x60	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	-228075	-228075	-84083	-818158	-818158	SLU 51	3.587	Si
-111	20.11	2.2	0	1,2	-227616	-227616	-83914	-818158	-818158	SLU 51	3.594	Si
-81	20.11	1.1	0	2	-227149	-227149	-83742	-818158	-818158	SLU 51	3.602	Si
-52	20.11	1.1	0	2	-226682	-226682	-83570	-818158	-818158	SLU 51	3.609	Si
-22	20.11	1.1	0	2	-226216	-226216	-83397	-818158	-818158	SLU 51	3.617	Si
7	20.11	1.1	0	2	-225749	-225749	-83225	-818158	-818158	SLU 51	3.624	Si
36	20.11	1.1	0	2	-225282	-225282	-83053	-818158	-818158	SLU 51	3.632	Si
66	20.11	1.1	0	2	-224816	-224816	-82881	-818158	-818158	SLU 51	3.639	Si
95	20.11	1.1	0	2	224349	-224349	-82709	818158	-818158	SLU 51	3.647	Si
125	20.11	1.1	0	2	223877	-223877	-82535	818158	-818158	SLU 51	3.654	Si
154	20.11	1.1	0	2	223415	-223415	-82365	818158	-818158	SLU 51	3.662	Si
184	20.11	1.1	0	2	222949	-222949	-82193	818158	-818158	SLU 51	3.67	Si
213	20.11	1.1	0	2	222489	-222489	-82024	818158	-818158	SLU 51	3.677	Si
242	20.11	1.1	0	2	222015	-222015	-81849	818158	-818158	SLU 51	3.685	Si
272	20.11	1.1	0	2	221549	221549	-81677	818158	818158	SLU 51	3.693	Si
301	20.11	1.1	0	2	221082	221082	-81505	818158	818158	SLU 51	3.701	Si
331	20.11	1.1	0	2	220615	220615	-81333	818158	818158	SLU 51	3.709	Si
360	20.11	1.1	0	2	220156	220156	-81164	818158	818158	SLU 51	3.716	Si
380	20.11	2.2	0	2,3	-121518	121518	-60759	-647491	647491	SLU 51	5.328	Si
409	20.11	2.2	0	2,3	-121178	121178	-60589	-647491	647491	SLU 51	5.343	Si
438	20.11	1.1	0	3	-120839	120839	-60419	-647491	647491	SLU 51	5.358	Si
467	20.11	1.1	0	3	120500	120500	-60250	647491	647491	SLU 51	5.373	Si
496	20.11	1.1	0	3	120160	120160	-60080	647491	647491	SLU 51	5.389	Si
525	20.11	1.1	0	3	119821	119821	-59911	647491	647491	SLU 51	5.404	Si
554	20.11	1.1	0	3	119482	-119482	-59741	647491	-647491	SLU 51	5.419	Si
583	20.11	1.1	0	3	119142	-119142	-59571	647491	-647491	SLU 51	5.435	Si
612	20.11	1.1	0	3	118803	-118803	-59402	647491	-647491	SLU 51	5.45	Si
641	20.11	1.1	0	3	118464	-118464	-59232	647491	-647491	SLU 51	5.466	Si
670	20.11	1.1	0	3	118125	-118125	-59062	647491	-647491	SLU 51	5.481	Si
690	20.11	2.2	0	3,4,6,7	-79852	109090	-39926	-610636	834223	SLU 51	7.647	Si
719	20.11	2.2	0	3,4,6,7	-79518	86898	-39759	-638292	697530	SLU 51	8.027	Si
748	20.11	1.1	0	4,6,7	-79179	79179	-39590	-647491	647491	SLU 51	8.178	Si
777	20.11	1.1	0	4,6,7	-78840	78840	-39420	-647491	647491	SLU 51	8.213	Si
806	20.11	1.1	0	4,6,7	-78500	78500	-39250	-647491	647491	SLU 51	8.248	Si
835	20.11	1.1	0	4,6,7	-78161	-78161	-39081	-647491	-647491	SLU 51	8.284	Si
864	20.11	1.1	0	4,6,7	-77822	-77822	-38911	-647491	-647491	SLU 51	8.32	Si
893	20.11	1.1	0	4,6,7	-77483	-77483	-38741	-647491	-647491	SLU 51	8.357	Si
922	20.11	1.1	0	4,6,7	-77143	-77143	-38572	-647491	-647491	SLU 51	8.393	Si
951	20.37	1.6	0	4,5,6,7	-76804	-93750	-38402	-626893	-765212	SLU 51	8.162	Si
980	27.42	2	0	4,5,6,7	-76465	-116331	-38232	-639991	-973665	SLU 51	8.37	Si
1000	20.11	2.4	0	5,6,7,8,9	-91933	140021	-19157	-804395	1225150	SLU 52	8.75	Si
1029	17.8	2.4	0	5,6,7,8,9	-54412	109679	-19018	-560216	1129228	SLU 52	10.296	Si
1058	16.08	1.1	0	8,9	-37753	78804	-18876	-446155	931290	SLU 52	11.818	Si
1087	16.08	1.1	0	8,9	38562	44825	-19281	517847	601945	SLU 51	13.429	Si
1116	16.08	1.1	0	8,9	59717	38279	-19140	796732	510721	SLU 51	13.342	Si
1145	16.08	1.1	0	8,9	99444	-37997	-18998	1214674	-464117	SLU 51	12.215	Si
1174	16.08	1.1	0	8,9	139172	-41205	-18857	1523347	-451023	SLU 51	10.946	Si
1203	16.08	1.1	0	8,9	174664	-75568	-18170	1565896	-677485	SLU 52	8.965	Si
1232	16.08	1.1	0	8,9	212843	-106443	-18028	1554405	-777358	SLU 52	7.303	Si
1261	16.08	1.1	0	8,9	251023	-137317	-17887	1499444	-820243	SLU 52	5.973	Si
1290	22.11	2.1	0	8,9	289202	-168192	-17745	1608972	-935734	SLU 52	5.563	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	-450982	-451271	-80289	-2.02	1.92	-1017379	-1018031	SLV 15	2.256				Si
-111	20.11	2.2	0	1,2	-418913	-407816	-80159	-2.02	1.92	-1007414	-980728	SLV 15	2.405				Si
-81	20.11	1.1	0	2	-386312	-363611	-80026	-2.02	1.92	-991276	-933024	SLV 15	2.566				Si
-52	20.11	1.1	0	2	-353742	-319408	-79894	-2.02	1.92	-967916	-873969	SLV 15	2.736				Si
-22	20.11	1.1	0	2	-321213	-275208	-79762	-2.02	1.92	-936561	-802424	SLV 15	2.916				Si
7	20.11	1.1	0	2	-288733	-231013	-79629	-2.02	1.92	-896674	-717421	SLV 15	3.106				Si
36	20.11	1.1	0	2	-256319	-186825	-79497	-2.02	1.92	-848037	-618117	SLV 15	3.309				Si
66	20.11	1.1	0	2	-224004	-142657	-79365	-2.02	1.92	-791991	-504380	SLV 15	3.536				Si
95	20.11	1.1	0	2	-191820	-98537	-79232	-2.02	1.92	-727649	-373790	SLV 15	3.793				Si
125	20.11	1.1	0	2	-159508	-54189	-79098	-2.02	1.92	-652151	-221553	SLV 15	4.089				Si
154	20.11	1.1	0	2	-128180	-12283	-78967	-2.02	1.92	-534471	-51215	SLV 15	4.17				Si
184	20.11	1.1	0	2	-97088	34879	-78835	-2.02	1.92	-405507	145679	SLV 15	4.177				Si
213	20.11	1.1	0	2	-67435	78141	-78705	-2.02	1.92	-282120	326910	SLV 15	4.184				Si
242	20.11	1.1	0	2	-39500	122936	-78570	-2.02	1.92	-159849	497497	SLV 15	4.047				Si
272	20.11	1.1	0	2	-18160	167108	-78438	-2.02	1.92	-70060	644710	SLV 15	3.858				Si
301	20.11	1.1	0	2	-2298	211295	-78306	-2.02	1.92	-8450	776847	SLV 15	3.677				Si
331	20.11	1.1	0	2	26910	255491	-78173	-2.02	1.92	92905	882048	SLV 15	3.452				Si
360	20.11	1.1	0	2	27577	298940	-78043	-2.02	1.92	90653	982706	SLV 15	3.287				Si
380	20.11	2.2	0	2,3	99405	515645	-16420	-2.02	1.92	221808	1150590	SLV 1	2.231				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
409	20.11	2.2	0	2,3	86852	414365	-16290	-2.02	1.92	262891	1254233	SLV 1	3.027				Si
438	20.11	1.1	0	3	-74527	-242634	-58018	-2.02	1.92	-310434	-1010666	SLV 15	4.165				Si
467	20.11	1.1	0	3	-57081	-164490	-57887	-2.02	1.92	-270953	-780805	SLV 15	4.747				Si
496	20.11	1.1	0	3	-44183	-86519	-57757	-2.02	1.92	-242242	-474356	SLV 15	5.483				Si
525	20.11	1.1	0	3	12252	-9942	-57626	-2.02	1.92	70009	-56805	SLV 15	5.714				Si
554	20.11	1.1	0	3	76459	71116	-57496	-2.02	1.92	421730	392259	SLV 15	5.516				Si
583	20.11	1.1	0	3	92219	148991	-57365	-2.02	1.92	441502	713301	SLV 15	4.788				Si
612	20.11	1.1	0	3	111228	227121	-57235	-2.02	1.92	467605	954824	SLV 15	4.204				Si
641	20.11	1.1	0	3	-68438	-396363	-15246	-2.02	1.92	-217340	-1258729	SLV 1	3.176				Si
670	20.11	1.1	0	3	-81473	-497641	-15115	-2.02	1.92	-186918	-1141709	SLV 1	2.294				Si
690	20.11	2.2	0	3,4,6,7	98068	492366	-10973	-2.02	1.92	203737	1022895	SLV 1	2.078				Si
719	20.11	2.2	0	3,4,6,7	81179	394835	-10845	-2.02	1.92	223253	1085846	SLV 1	2.75				Si
748	20.11	1.1	0	4,6,7	65803	295620	-10715	-2.02	1.92	267414	1201361	SLV 1	4.064				Si
777	20.11	1.1	0	4,6,7	12783	-145487	-36760	-2.02	1.92	88242	-1004344	SLV 15	6.903				Si
806	20.11	1.1	0	4,6,7	11240	-74412	-36629	-2.02	1.92	93556	-619377	SLV 15	8.324				Si
835	20.11	1.1	0	4,6,7	45399	2651	-36499	-2.02	1.92	409567	23912	SLV 15	9.021				Si
864	20.11	1.1	0	4,6,7	50873	70393	-36368	-2.02	1.92	412328	570536	SLV 15	8.105				Si
893	20.11	1.1	0	4,6,7	-83647	-201495	-10062	-2.02	1.92	-530784	-1278582	SLV 1	6.345				Si
922	20.11	1.1	0	4,6,7	-99551	-300638	-9932	-2.02	1.92	-367015	-1108361	SLV 1	3.687				Si
951	20.37	1.6	0	4,5,6,7	-117063	-399853	-9801	-2.02	1.92	-301363	-1029367	SLV 1	2.574				Si
980	27.42	2	0	4,5,6,7	-135533	-499096	-9671	-2.02	1.92	-340965	-1255589	SLV 1	2.516				Si
1000	20.11	2.4	0	5,6,7,8,9	14155	485449	-5318	-2.02	1.92	27181	932168	SLV 1	1.92				Si
1029	17.8	2.4	0	5,6,7,8,9	19804	379756	-5211	-2.02	1.92	44466	852658	SLV 1	2.245				Si
1058	16.08	1.1	0	8,9	27304	272214	-5102	-2.02	1.92	81281	810341	SLV 1	2.977				Si
1087	16.08	1.1	0	8,9	6931	164691	-4993	-2.02	1.92	40249	956322	SLV 1	5.807				Si
1116	16.08	1.1	0	8,9	62316	-36364	-16508	-2.02	1.92	787587	-459596	SLV 15	12.639				Si
1145	16.08	1.1	0	8,9	94996	38395	-16399	-2.02	1.92	1078438	435881	SLV 15	11.352				Si
1174	16.08	1.1	0	8,9	26009	-158140	-4667	-2.02	1.92	148292	-901637	SLV 1	5.702				Si
1203	16.08	1.1	0	8,9	31737	-265661	-4558	-2.02	1.92	94359	-789863	SLV 1	2.973				Si
1232	16.08	1.1	0	8,9	36736	-373203	-4450	-2.02	1.92	73739	-749124	SLV 1	2.007				Si
1261	16.08	1.1	0	8,9	41372	-480751	-4341	-2.02	1.92	62665	-728189	SLV 1	1.515				Si
1290	22.11	2.1	0	8,9	45803	-588302	-4232	-2.02	1.92	74261	-953829	SLV 1	1.621				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	-200518	-207258	-63282	-773239	-799226	SLD 15	3.856	Si
-111	20.11	2.2	0	1,2	-184923	-187913	-63152	-739518	-751473	SLD 15	3.999	Si
-81	20.11	1.1	0	2	-169072	-168234	-63020	-701955	-698475	SLD 15	4.152	Si
-52	20.11	1.1	0	2	-153239	-148556	-62888	-661233	-641028	SLD 15	4.315	Si
-22	20.11	1.1	0	2	-137430	-128881	-62755	-617256	-578857	SLD 15	4.491	Si
7	20.11	1.1	0	2	-121650	-109207	-62623	-569653	-511387	SLD 15	4.683	Si
36	20.11	1.1	0	2	-105910	-89539	-62491	-517989	-437921	SLD 15	4.891	Si
66	20.11	1.1	0	2	-90229	-69881	-62358	-461745	-357613	SLD 15	5.117	Si
95	20.11	1.1	0	2	-74627	-50250	-62226	-394891	-265902	SLD 15	5.292	Si
125	20.11	1.1	0	2	-58986	-30547	-62092	-312800	-161988	SLD 15	5.303	Si
154	20.11	1.1	0	2	-43864	-12061	-61961	-233100	-64096	SLD 15	5.314	Si
184	20.11	1.1	0	2	-28923	9231	-61829	-154031	49161	SLD 15	5.326	Si
213	20.11	1.1	0	2	-14788	28462	-61698	-78918	151896	SLD 15	5.337	Si
242	20.11	1.1	0	2	-1710	48396	-61564	-9143	258841	SLD 15	5.348	Si
272	20.11	1.1	0	2	8166	68056	-61432	43770	364776	SLD 15	5.36	Si
301	20.11	1.1	0	2	16484	87725	-61299	87564	466005	SLD 15	5.312	Si
331	20.11	1.1	0	2	33110	107399	-61167	168395	546219	SLD 15	5.086	Si
360	20.11	1.1	0	2	36188	126740	-61037	178064	623632	SLD 15	4.921	Si
380	20.11	2.2	0	2,3	35807	236796	-29124	206612	1366332	SLD 1	5.77	Si
409	20.11	2.2	0	2,3	-41767	-96671	-45444	-271100	-627478	SLD 15	6.491	Si
438	20.11	1.1	0	3	-31830	-73176	-45314	-220281	-506419	SLD 15	6.921	Si
467	20.11	1.1	0	3	-23042	-49707	-45183	-167919	-362235	SLD 15	7.287	Si
496	20.11	1.1	0	3	-16024	-26344	-45053	-117111	-192535	SLD 15	7.309	Si
525	20.11	1.1	0	3	13111	-3751	-44922	96103	-27497	SLD 15	7.33	Si
554	20.11	1.1	0	3	45927	21411	-44792	337612	157393	SLD 15	7.351	Si
583	20.11	1.1	0	3	54398	44719	-44661	398034	327215	SLD 15	7.317	Si
612	20.11	1.1	0	3	64110	68179	-44531	440923	468913	SLD 15	6.878	Si
641	20.11	1.1	0	3	74608	91672	-44400	483445	594018	SLD 15	6.48	Si
670	20.11	1.1	0	3	-13038	-229311	-27819	-79766	-1402907	SLD 1	6.118	Si
690	20.11	2.2	0	3,4,6,7	42490	233115	-18859	257515	1412822	SLD 1	6.061	Si
719	20.11	2.2	0	3,4,6,7	35151	186741	-18730	262231	1393110	SLD 1	7.46	Si
748	20.11	1.1	0	4,6,7	28395	139571	-18600	269595	1325148	SLD 1	9.494	Si
777	20.11	1.1	0	4,6,7	3461	-41453	-28875	39243	-469989	SLD 15	11.338	Si
806	20.11	1.1	0	4,6,7	1764	-22266	-28744	20203	-255067	SLD 15	11.455	Si
835	20.11	1.1	0	4,6,7	16850	84	-28614	193904	963	SLD 15	11.507	Si
864	20.11	1.1	0	4,6,7	17141	17701	-28483	198150	204623	SLD 15	11.56	Si
893	20.11	1.1	0	4,6,7	19250	36887	-28353	220427	422384	SLD 15	11.451	Si
922	20.11	1.1	0	4,6,7	-48463	-144036	-17817	-437666	-1300781	SLD 1	9.031	Si
951	20.37	1.6	0	4,5,6,7	-55761	-191206	-17686	-396840	-1360783	SLD 1	7.117	Si
980	27.42	2	0	4,5,6,7	-63581	-238394	-17556	-409082	-1533835	SLD 1	6.434	Si
1000	20.11	2.4	0	5,6,7,8,9	-23485	238085	-8782	-120654	1223181	SLD 1	5.138	Si
1029	17.8	2.4	0	5,6,7,8,9	-8309	186502	-8675	-56353	1264852	SLD 1	6.782	Si
1058	16.08	1.1	0	8,9	7769	134019	-8566	70539	1216762	SLD 1	9.079	Si
1087	16.08	1.1	0	8,9	9645	81547	-8457	137165	1159696	SLD 1	14.221	Si
1116	16.08	1.1	0	8,9	46628	-8191	-13044	852417	-149741	SLD 15	18.281	Si
1145	16.08	1.1	0	8,9	72091	11231	-12935	1166456	181728	SLD 15	16.18	Si
1174	16.08	1.1	0	8,9	58225	-76026	-8131	698869	-912526	SLD 1	12.003	Si
1203	16.08	1.1	0	8,9	73946	-128497	-8022	549619	-955076	SLD 1	7.433	Si
1232	16.08	1.1	0	8,9	89228	-180980	-7914	449447	-911604	SLD 1	5.037	Si
1261	16.08	1.1	0	8,9	104296	-233467	-7805	370931	-830335	SLD 1	3.557	Si
1290	22.11	2.1	0	8,9	119244	-285956	-7696	419832	-1006788	SLD 1	3.521	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	783	-51721	SLU 29	14006	49588	50591	2.25	63.3	509	-78413	SLU 46	15029	48385	55356	2.5	95.1	Si
-111	5X/2Y Ø8/10	783	-51552	SLU 29	13985	49588	50567	2.25	63.3	509	-78244	SLU 46	15029	48385	55347	2.5	95.1	Si
-81	5X/2Y Ø8/10	783	-51380	SLU 29	13963	49588	50543	2.25	63.3	509	-78072	SLU 46	15029	48385	55323	2.5	95.1	Si
-52	5X/2Y Ø8/10	783	-51208	SLU 29	13942	49588	50520	2.25	63.3	509	-77900	SLU 46	15029	48385	55298	2.5	95.1	Si
-22	5X/2Y Ø8/15	802	-77728	SLU 46	15366	36732	50354	2.5	45.78	509	-77728	SLU 46	15029	32257	55274	2.5	63.4	Si
7	5X/2Y Ø8/15	802	-77556	SLU 46	15366	36732	50332	2.5	45.78	509	-77556	SLU 46	15029	32257	55250	2.5	63.4	Si
36	5X/2Y Ø8/15	802	-77383	SLU 46	15366	36732	50310	2.5	45.78	509	-77383	SLU 46	15029	32257	55225	2.5	63.4	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
66	5X/2Y Ø8/15	802	-77211	SLU 46	15366	36732	50288	2.5	45.78	509	-77211	SLU 46	15029	32257	55201	2.5	63.4	Si
95	5X/2Y Ø8/15	802	-77039	SLU 46	15366	36732	50266	2.5	45.78	509	-77039	SLU 46	15029	32257	55177	2.5	63.4	Si
125	5X/2Y Ø8/15	802	-76866	SLU 46	15366	36732	50243	2.5	45.78	509	-76866	SLU 46	15029	32257	55152	2.5	63.4	Si
154	5X/2Y Ø8/15	802	-76695	SLU 46	15366	36732	50221	2.5	45.78	509	-76695	SLU 46	15029	32257	55128	2.5	63.4	Si
184	5X/2Y Ø8/15	802	-76523	SLU 46	15366	36732	50199	2.5	45.78	509	-76523	SLU 46	15029	32257	55104	2.5	63.4	Si
213	5X/2Y Ø8/15	802	-76354	SLU 46	15366	36732	50177	2.5	45.78	509	-76354	SLU 46	15029	32257	55080	2.5	63.4	Si
242	5X/2Y Ø8/10	783	-49487	SLU 29	13728	49588	50281	2.25	63.3	509	-76179	SLU 46	15029	48385	55055	2.5	95.1	Si
272	5X/2Y Ø8/10	783	-49315	SLU 29	13706	49588	50257	2.25	63.3	509	-76007	SLU 46	15029	48385	55031	2.5	95.1	Si
301	5X/2Y Ø8/10	783	-49143	SLU 29	13685	49588	50233	2.25	63.3	509	-75835	SLU 46	15029	48385	55006	2.5	95.1	Si
331	5X/2Y Ø8/10	783	-48971	SLU 29	13663	49588	50209	2.25	63.3	509	-75663	SLU 46	15029	48385	54982	2.5	95.1	Si
360	5X/2Y Ø8/10	783	-48802	SLU 29	13642	49588	50186	2.25	63.3	509	-75494	SLU 46	15029	48385	54958	2.5	95.1	Si
380	5X/2Y Ø8/10	-676	-54678	SLU 45	14374	49588	51001	2.25	73.31	389	-49519	SLU 38	13234	48385	51286	2.5	124.3	Si
409	5X/2Y Ø8/10	-676	-54508	SLU 45	14353	49588	50977	2.25	73.31	389	-49349	SLU 38	13211	48385	51262	2.5	124.3	Si
438	5X/2Y Ø8/10	-676	-54339	SLU 45	14332	49588	50954	2.25	73.31	389	-49180	SLU 38	13188	48385	51238	2.5	124.3	Si
467	5X/2Y Ø8/14.4	-686	-58567	SLU 50	14858	38145	47886	2.5	55.61	389	-49010	SLU 38	13165	33497	51214	2.5	86.06	Si
496	5X/2Y Ø8/14.4	-686	-58397	SLU 50	14837	38145	47865	2.5	55.61	389	-48840	SLU 38	13142	33497	51190	2.5	86.06	Si
525	5X/2Y Ø8/14.4	-686	-58228	SLU 50	14816	38145	47843	2.5	55.61	389	-48671	SLU 38	13119	33497	51166	2.5	86.06	Si
554	5X/2Y Ø8/14.4	-686	-58058	SLU 50	14795	38145	47821	2.5	55.61	389	-48501	SLU 38	13095	33497	51142	2.5	86.06	Si
583	5X/2Y Ø8/14.4	-686	-57888	SLU 50	14774	38145	47799	2.5	55.61	389	-48332	SLU 38	13072	33497	51118	2.5	86.06	Si
612	5X/2Y Ø8/10	-686	-57719	SLU 50	14752	49588	51422	2.25	72.29	389	-48162	SLU 38	13049	48385	51094	2.5	124.3	Si
641	5X/2Y Ø8/10	-686	-57549	SLU 50	14731	49588	51399	2.25	72.29	389	-47992	SLU 38	13026	48385	51070	2.5	124.3	Si
670	5X/2Y Ø8/10	-686	-57380	SLU 50	14710	49588	51375	2.25	72.29	389	-47823	SLU 38	13003	48385	51046	2.5	124.3	Si
690	5X/2Y Ø8/10	-844	-38522	SLU 50	12362	48486	49494	2.2	57.44	-223	-25497	SLU 16	9952	47417	48591	2.45	212.66	Si
719	5X/2Y Ø8/10	-844	-38355	SLU 50	12342	48486	49470	2.2	57.44	-223	-25369	SLU 16	9934	47417	48572	2.45	212.66	Si
748	5X/2Y Ø8/10	-844	-38185	SLU 50	12321	48486	49447	2.2	57.44	-223	-25238	SLU 16	9916	47417	48554	2.45	212.66	Si
777	5X/2Y Ø8/14.4	-844	-38016	SLU 50	12299	38145	45240	2.5	45.19	-223	-25108	SLU 16	9898	33497	47835	2.5	150.23	Si
806	5X/2Y Ø8/14.4	-844	-37846	SLU 50	12278	38145	45218	2.5	45.19	-223	-24977	SLU 16	9880	33497	47816	2.5	150.23	Si
835	5X/2Y Ø8/14.4	-844	-37677	SLU 50	12257	38145	45196	2.5	45.19	-223	-24847	SLU 16	9863	33497	47798	2.5	150.23	Si
864	5X/2Y Ø8/14.4	-844	-37507	SLU 50	12236	38145	45174	2.5	45.19	-223	-24716	SLU 16	9845	33497	47779	2.5	150.23	Si
893	5X/2Y Ø8/14.4	-844	-37337	SLU 50	12215	38145	45152	2.5	45.19	-223	-24586	SLU 16	9827	33497	47761	2.5	150.23	Si
922	5X/2Y Ø8/10	-844	-37168	SLU 50	12194	48486	49303	2.2	57.44	-223	-24455	SLU 16	9809	47417	48441	2.45	212.66	Si
951	5X/2Y Ø8/10	-844	-36998	SLU 50	12173	48486	49279	2.2	57.44	-223	-24325	SLU 16	9791	47417	48423	2.45	212.66	Si
980	5X/2Y Ø8/10	-844	-36828	SLU 50	12152	48486	49256	2.2	57.44	-223	-24194	SLU 16	9773	47417	48404	2.45	212.66	Si
1000	4X/2Y Ø8/10	-1071	-18823	SLU 50	8649	38789	39377	2.2	36.22	1370	-19703	SLU 51	8245	38743	39485	2.45	28.28	Si
1029	4X/2Y Ø8/10	-1071	-18684	SLU 50	8631	38789	39357	2.2	36.22	1370	-19564	SLU 51	8226	38743	39465	2.45	28.28	Si
1058	4X/2Y Ø8/10	-1071	-18542	SLU 50	8614	38789	39337	2.2	36.22	1370	-19422	SLU 51	8207	38743	39445	2.45	28.28	Si
1087	4X/2Y Ø8/14.4	-1071	-18401	SLU 50	8596	30516	35989	2.5	28.5	1370	-19281	SLU 51	8188	27370	38857	2.5	19.98	Si
1116	4X/2Y Ø8/14.4	-1071	-18259	SLU 50	8579	30516	35971	2.5	28.5	1370	-19140	SLU 51	8169	27370	38837	2.5	19.98	Si
1145	4X/2Y Ø8/14.4	-1071	-18118	SLU 50	8561	30516	35953	2.5	28.5	1370	-18998	SLU 51	8150	27370	38818	2.5	19.98	Si
1174	4X/2Y Ø8/14.4	-1071	-17977	SLU 50	8543	30516	35935	2.5	28.5	1370	-18857	SLU 51	8131	27370	38798	2.5	19.98	Si
1203	4X/2Y Ø8/14.4	-1071	-17835	SLU 50	8526	30516	35917	2.5	28.5	1370	-18716	SLU 51	8112	27370	38778	2.5	19.98	Si
1232	4X/2Y Ø8/10	-1071	-17694	SLU 50	8508	38789	39218	2.2	36.22	1370	-18574	SLU 51	8094	38743	39326	2.45	28.28	Si
1261	4X/2Y Ø8/10	-1071	-17553	SLU 50	8491	38789	39198	2.2	36.22	1370	-18433	SLU 51	8075	38743	39306	2.45	28.28	Si
1290	4X/2Y Ø8/10	-1071	-17411	SLU 50	8473	38789	39178	2.2	36.22	1370	-18291	SLU 51	8056	38743	39286	2.45	28.28	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	1503	-80289	SLV 15	15366	51792	52691	2.35	34.45	1567	-72453	SLV 11	15029	48385	54528	2.5	30.87	Si
-111	5X/2Y Ø8/10	1503	-80159	SLV 15	15366	51792	52691	2.35	34.45	1567	-72323	SLV 11	15029	48385	54510	2.5	30.87	Si
-81	5X/2Y Ø8/10	1503	-80026	SLV 15	15366	51792	52691	2.35	34.45	1567	-72190	SLV 11	15029	48385	54491	2.5	30.87	Si
-52	5X/2Y Ø8/10	1503	-79894	SLV 15	15366	51792	52691	2.35	34.45	1567	-72058	SLV 11	15029	48385	54472	2.5	30.87	Si
-22	5X/2Y Ø8/15	1503	-79762	SLV 15	15366	36732	50429	2.5	24.44	1567	-71925	SLV 11	15029	32257	54454	2.5	20.58	Si
7	5X/2Y Ø8/15	1503	-79629	SLV 15	15366	36732	50429	2.5	24.44	1567	-71793	SLV 11	15029	32257	54435	2.5	20.58	Si
36	5X/2Y Ø8/15	1503	-79497	SLV 15	15366	36732	50429	2.5	24.44	1567	-71661	SLV 11	15029	32257	54416	2.5	20.58	Si
66	5X/2Y Ø8/15	1503	-79365	SLV 15	15366	36732	50429	2.5	24.44	1567	-71528	SLV 11	15029	32257	54398	2.5	20.58	Si
95	5X/2Y Ø8/15	1503	-79232	SLV 15	15366	36732	50429	2.5	24.44	1567	-71396	SLV 11	15029	32257	54379	2.5	20.58	Si
125	5X/2Y Ø8/15	1503	-79098	SLV 15	15366	36732	50429	2.5	24.44	1567	-71262	SLV 11	15029	32257	54360	2.5	20.58	Si
154	5X/2Y Ø8/15	1503	-78967	SLV 15	15366	36732	50429	2.5	24.44	1567	-71131	SLV 11	15029	32257	54341	2.5	20.58	Si
184	5X/2Y Ø8/15	1503	-78835	SLV 15	15366	36732	50429	2.5	24.44	1567	-70999	SLV 11	15029	32257	54323	2.5	20.58	Si
213	5X/2Y Ø8/15	1503	-78705	SLV 15	15366	36732	50429	2.5	24.44	1567	-70869	SLV 11	15029	32257	54304	2.5	20.58	Si
242	5X/2Y Ø8/10	1503	-78570	SLV 15	15366	51792	52691	2.35	34.45	1567	-70734	SLV 11	15029	48385	54285	2.5	30.87	Si
272	5X/2Y Ø8/10	1503	-78438	SLV 15	15366	51792	52691	2.35	34.45	1567	-70602	SLV 11	15029	48385	54267	2.5	30.87	Si
301	5X/2Y Ø8/10	1503	-78306	SLV 15	15366	51792	52690	2.35	34.45	1567	-70470	SLV 11	15029	48385	54248	2.5	30.87	Si
331	5X/2Y Ø8/10	1503	-78173	SLV 15	15366	51792	52672	2.35	34.45	1567	-70337	SLV 11	15029	48385	54229	2.5	30.87	Si
360	5X/2Y Ø8/10	1503	-78043	SLV 15	15366	51792	52655	2.35	34.45	1567	-70207	SLV 11	15029	48385	54211	2.5	30.87	Si
380	5X/2Y Ø8/10	-3493	-16420	SLV 1	9611	46282	47795	2.1	13.25	944	-52483	SLV 11	13639	48385	51705	2.5	51.23	Si
409	5X/2Y Ø8/10	-3493	-16290	SLV 1	9595	46282	47776	2.1	13.25	944	-52352	SLV 11	13622	48385	51687	2.5	51.23	Si
438	5X/2Y Ø8/10	-3493	-16159	SLV 1	9578	46282	47757	2.1	13.25	944	-52222	SLV 11	13604	48385	51668	2.5	51.23	Si
467	5X/2Y Ø8/14.4	-3493	-16029	SLV 1	9562	38145	42408	2.5	10.92	944	-52091	SLV 11	13586	33497	51650	2.5	35.47	Si
496	5X/2Y Ø8/14.4	-3493	-15898	SLV 1	9546	38145	42391	2.5	10.92	944	-51961	SLV 11	13568	33497	51631	2.5	35.47	Si
525	5X/2Y Ø8/14.4	-3493	-15768	SLV 1	9530	38145	42374	2.5	10.92	944	-51830	SLV 11	13550	33497	51613	2.5	35.47	Si
554	5X/2Y Ø8/14.4	-3493	-15637	SLV 1	9513	38145	42357	2.5	10.92	944	-51700	SLV 11	13532	33497	51594	2.5	35.47	Si
583	5X/2Y Ø8/14.4	-3493	-15507	SLV 1	9497	38145	42341	2.5	10.92	944	-51569	SLV 11	13515	33497	51576	2.5	35.47	Si
612	5X/2Y Ø8/10	-3493	-15376	SLV 1	9481	46282	47644	2.1	13.25	944	-51439	SLV 11	13497	48385	51557	2.5	51.23	Si
641	5X/2Y Ø8/10	-3493	-15246	SLV 1	9465	46282	47625	2.1	13.25	944	-51308	SLV 11	13479	48385	51539	2.5	51.23	Si
670	5X/2Y Ø8/10	-3493	-15115	SLV 1	9448	46282	47606	2.1	13.25	944	-51178	SLV 11	13461	48385	51520	2.5	51.23	Si
690	5X/2Y Ø8/10	-3424	-10973	SLV 1	8933	46282	47005	2.1	13.52	-926	-14460	SLV 5	8443	46450	47700	2.4	50.16	Si
719	5X/2Y Ø8/10	-3424	-10845	SLV 1	8917	46282	46987	2.1	13.52	-926	-14332	SLV 5	8426	46450	47681	2.4	50.16	Si
748	5X/2Y Ø8/10	-3424	-10715	SLV 1	8900	46282	46968	2.1	13.52	-926	-14201	SLV 5	8408	46450	47662	2.4	50.16	Si
777	5X/2Y Ø8/14.4	-3424	-10584	SLV 1	8884	38145	41707	2.5	11.14	-926	-14071	SLV 5	8390	33497	46274	2.5	36.18	Si
806	5X/2Y Ø8/14.4	-3424	-10454	SLV 1	8868	38145	41690	2.5	11.14	-926	-13940	SLV 5	8372	33497	46256	2.5	36.18	Si
835	5X/2Y Ø8/14.4	-3424	-10323	SLV 1	8852	38145	41673	2.5	11.14	-926	-13810	SLV 5	8354	33497	46238	2.5	36.18	Si
864	5X/2Y Ø8/14.4	-3424	-10193	SLV 1	8835	38145	41656	2.5	11.14	-926	-13679	SLV 5	8336	33497	46219	2.5	36.18	Si
893	5X/2Y Ø8/14.4	-3424	-10062	SLV 1	8819	38145	41639	2.5	11.14	-926	-13549	SLV 5	8319	33497	46201	2.5	36.18	Si
922	5X/2Y Ø8/10	-3424	-9932	SLV 1	8803	46282	46854	2.1	13.52	-926	-13418	SLV 5	8301	46450	47549	2.4	50.16	Si
951	5X/2Y Ø8/10	-3424	-9801	SLV 1	8787	46282	46835	2.1	13.52	-926	-13288	SLV 5	8283	46450	47530	2.4	50.16	Si
980	5X/2Y Ø8/10	-3424	-9671	SLV 1	8770	46282	46816	2.1	13.52	-926	-13157	SLV 5	8265	46450	47511	2.4	50.16	Si
1000	4X/2Y Ø8/10	-3709	-5318	SLV 1	6967	37907	38041	2.15	10.22	1620	-15601	SLV 11	7695	38743	38908	2.45	23.91	Si
1029	4X/2Y Ø8/10	-3709	-5211	SLV 1	6954	37907	38026	2.15	10.22	1620	-15494	SLV 11	7681	38743	38893	2.45	23.91	Si
1058	4X/2Y Ø8/10	-3709	-5102	SLV 1	6941	37907	38011	2.15	10.22	1620	-15386	SLV 11	7666	38743	38878	2.45	23.91	Si
1087	4X/2Y Ø8/14.4	-3709	-4993	SLV 1	6927	30516	34263	2.5	8.23	1620	-15277	SLV 11	7652	27370	38302	2.5	16.89	Si
1116	4X/2Y Ø8/14.4	-3709	-4885	SLV 1	6914	30516	34249	2.5	8.23	1620	-15168	SLV 11	7637	27370	38287	2.5	16.89	Si
1145	4X/2Y Ø8/14.4	-3709	-4776	SLV 1	6900	30516	34235	2.5	8.23	1620	-15059	SLV 11	7623	27370	38272	2.5	16.89	Si
1174	4X/2Y Ø8/14.4	-3709	-4667	SLV 1	6886	30516	34221	2.5	8.23	1620	-14951	SLV 11	7608	27370	38256	2.5	16.89	Si
1203	4X/2Y Ø8/14.4	-3709	-4558	SLV 1	6873	30516	34207	2.5	8.23	1620	-14842	SLV 11	7593	27370	38241	2.5	16.89	Si
1232	4X/2Y Ø8/10	-3709	-4450	SLV 1	6859	37907	37917	2.15	10.22	1620	-14733	SLV 11	7579	38743	38786	2.45	23.91	Si
1261	4X/2Y Ø8/10	-3709	-4341	SLV 1	6846	37026	38475	2.1	9.98	1620	-14624	SLV 11	7564	38743	38771	2.45	23.91	Si
1290	4X/2Y Ø8/10	-3709	-4232	SLV 1	6832	37026	38459	2.1	9.98	1620	-14516	SLV 11	7550	38743	38755	2.45	23.91	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	669	-63282	SLD 15	15445	55098	48494	2.5	72.46	722	-60222	SLD 11	14697	48385	52799	2.5	67.01	Si
-111	5X/2Y Ø8/10	669	-63152	SLD 15	15429	55098	48477	2.5	72.44	722	-60092	SLD 11	14679	48385	52781	2.5	67.01	Si
-81	5X/2Y Ø8/10	669	-63020	SLD 15	15412	55098	48460	2.5	72.41	722	-59960	SLD 11	14661	48385	52762	2.5	67.01	Si
-52	5X/2Y Ø8/10	669	-62888	SLD 15	15396	55098	48443	2.5	72.39	722	-59827	SLD 11	14643	48385	52743	2.5	67.01	Si
-22	5X/2Y Ø8/15	669	-62755	SLD 15	15379	36732	48426	2.5	54.89	722	-59695	SLD 11	14625	32257	52725	2.5	44.67	Si
7	5X/2Y Ø8/15	669	-62623	SLD 15	15363	36732	48409	2.5	54.89	722	-59563	SLD 11	14607	32257	52706	2.5	44.67	Si
36	5X/2Y Ø8/15	669	-62491	SLD 15	15347	36732	48392	2.5	54.89	722	-59430	SLD 11	14589	32257	52687	2.5	44.67	Si
66	5X/2Y Ø8/15	669	-62358	SLD 15	15330	36732	48375	2.5	54.89	722	-59298	SLD 11	14571	32257	52669	2.5	44.67	Si
95	5X/2Y Ø8/15	669	-62226	SLD 15	15314	36732	48358	2.5	54.89	722	-59166	SLD 11	14553	32257	52650	2.5	44.67	Si
125	5X/2Y Ø8/15	669	-62092	SLD 15	15297	36732	48340	2.5	54.89	722	-59032	SLD 11	14535	32257	52631	2.5	44.67	Si
154	5X/2Y Ø8/15	669	-61961	SLD 15	15281	36732	48324	2.5	54.89	722	-58901	SLD 11	14517	32257	52612	2.5	44.67	Si
184	5X/2Y Ø8/15	669	-61829	SLD 15	15264	36732	48307	2.5	54.89	722	-58769	SLD 11	14499	32257	52594	2.5	44.67	Si
213	5X/2Y Ø8/15	669	-61698	SLD 15	15248	36732	48290	2.5	54.89	722	-58638	SLD 11	14481	32257	52575	2.5	44.67	Si
242	5X/2Y Ø8/10	669	-61564	SLD 15	15231	55098	48272	2.5	72.13	722	-58504	SLD 11	14462	48385	52556	2.5	67.01	Si
272	5X/2Y Ø8/10	669	-61432	SLD 15	15215	55098	48255	2.5	72.11	722	-58372	SLD 11	14444	48385	52538	2.5	67.01	Si
301	5X/2Y Ø8/10	669	-61299	SLD 15	15198	55098	48238	2.5	72.08	722	-58239	SLD 11	14426	48385	52519	2.5	67.01	Si
331	5X/2Y Ø8/10	669	-61167	SLD 15	15182	55098	48221	2.5	72.06	722	-58107	SLD 11	14408	48385	52500	2.5	67.01	Si
360	5X/2Y Ø8/10	669	-61037	SLD 15	15166	55098	48205	2.5	72.03	722	-57977	SLD 11	14390	48385	52482	2.5	67.01	Si
380	5X/2Y Ø8/10	-1607	-29124	SLD 1	11192	55098	44094	2.5	27.44	465	-43297	SLD 11	12384	48385	50406	2.5	104.05	Si
409	5X/2Y Ø8/10	-1607	-28994	SLD 1	11176	55098	44078	2.5	27.43	465	-43167	SLD 11	12366	48385	50388	2.5	104.05	Si
438	5X/2Y Ø8/10	-1607	-28863	SLD 1	11160	55098	44061	2.5	27.42	465	-43036	SLD 11	12348	48385	50369	2.5	104.05	Si
467	5X/2Y Ø8/14.4	-1607	-28733	SLD 1	11144	38145	44044	2.5	23.74	465	-42906	SLD 11	12331	33497	50351	2.5	72.03	Si
496	5X/2Y Ø8/14.4	-1607	-28602	SLD 1	11127	38145	44027	2.5	23.74	465	-42775	SLD 11	12313	33497	50333	2.5	72.03	Si
525	5X/2Y Ø8/14.4	-1607	-28472	SLD 1	11111	38145	44010	2.5	23.74	465	-42645	SLD 11	12295	33497	50314	2.5	72.03	Si
554	5X/2Y Ø8/14.4	-1607	-28341	SLD 1	11095	38145	43994	2.5	23.74	465	-42514	SLD 11	12277	33497	50296	2.5	72.03	Si
583	5X/2Y Ø8/14.4	-1607	-28211	SLD 1	11079	38145	43977	2.5	23.74	465	-42384	SLD 11	12259	33497	50277	2.5	72.03	Si
612	5X/2Y Ø8/10	-1607	-28080	SLD 1	11062	55098	43960	2.5	27.36	465	-42253	SLD 11	12241	48385	50259	2.5	104.05	Si
641	5X/2Y Ø8/10	-1607	-27950	SLD 1	11046	55098	43943	2.5	27.35	465	-42123	SLD 11	12224	48385	50240	2.5	104.05	Si
670	5X/2Y Ø8/10	-1607	-27819	SLD 1	11030	55098	43926	2.5	27.34	465	-41992	SLD 11	12206	48385	50222	2.5	104.05	Si
690	5X/2Y Ø8/10	-1628	-18859	SLD 1	9914	53996	43398	2.45	26.66	-399	-20248	SLD 5	9234	48385	47148	2.5	118.06	Si
719	5X/2Y Ø8/10	-1628	-18730	SLD 1	9898	53996	43382	2.45	26.65	-399	-20119	SLD 5	9217	48385	47130	2.5	118.01	Si
748	5X/2Y Ø8/10	-1628	-18600	SLD 1	9882	53996	43365	2.45	26.64	-399	-19989	SLD 5	9199	48385	47111	2.5	117.97	Si
777	5X/2Y Ø8/14.4	-1628	-18469	SLD 1	9866	38145	42722	2.5	23.43	-399	-19858	SLD 5	9181	33497	47093	2.5	83.88	Si
806	5X/2Y Ø8/14.4	-1628	-18339	SLD 1	9850	38145	42705	2.5	23.43	-399	-19728	SLD 5	9163	33497	47074	2.5	83.88	Si
835	5X/2Y Ø8/14.4	-1628	-18208	SLD 1	9833	38145	42689	2.5	23.43	-399	-19597	SLD 5	9145	33497	47056	2.5	83.88	Si
864	5X/2Y Ø8/14.4	-1628	-18078	SLD 1	9817	38145	42672	2.5	23.43	-399	-19467	SLD 5	9127	33497	47037	2.5	83.88	Si
893	5X/2Y Ø8/14.4	-1628	-17947	SLD 1	9801	38145	42655	2.5	23.43	-399	-19336	SLD 5	9110	33497	47019	2.5	83.88	Si
922	5X/2Y Ø8/10	-1628	-17817	SLD 1	9785	53996	43262	2.45	26.57	-399	-19206	SLD 5	9092	48385	47000	2.5	117.69	Si
951	5X/2Y Ø8/10	-1628	-17686	SLD 1	9768	53996	43245	2.45	26.56	-399	-19075	SLD 5	9074	48385	46982	2.5	117.64	Si
980	5X/2Y Ø8/10	-1628	-17556	SLD 1	9752	53996	43228	2.45	26.55	-399	-18945	SLD 5	9056	48385	46964	2.5	117.6	Si
1000	4X/2Y Ø8/10	-1810	-8782	SLD 1	7399	44078	34751	2.5	19.2	1121	-12934	SLD 11	7338	39534	37977	2.5	33.88	Si
1029	4X/2Y Ø8/10	-1810	-8675	SLD 1	7385	44078	34737	2.5	19.19	1121	-12827	SLD 11	7323	39534	37962	2.5	33.86	Si
1058	4X/2Y Ø8/10	-1810	-8566	SLD 1	7372	44078	34723	2.5	19.18	1121	-12718	SLD 11	7309	39534	37947	2.5	33.85	Si
1087	4X/2Y Ø8/14.4	-1810	-8457	SLD 1	7358	30516	34709	2.5	16.86	1121	-12610	SLD 11	7294	27370	37932	2.5	24.41	Si
1116	4X/2Y Ø8/14.4	-1810	-8349	SLD 1	7345	30516	34695	2.5	16.86	1121	-12501	SLD 11	7280	27370	37917	2.5	24.41	Si
1145	4X/2Y Ø8/14.4	-1810	-8240	SLD 1	7331	30516	34681	2.5	16.86	1121	-12392	SLD 11	7265	27370	37902	2.5	24.41	Si
1174	4X/2Y Ø8/14.4	-1810	-8131	SLD 1	7318	30516	34667	2.5	16.86	1121	-12283	SLD 11	7251	27370	37887	2.5	24.41	Si
1203	4X/2Y Ø8/14.4	-1810	-8022	SLD 1	7304	30516	34653	2.5	16.86	1121	-12175	SLD 11	7236	27370	37872	2.5	24.41	Si
1232	4X/2Y Ø8/10	-1810	-7914	SLD 1	7291	44078	34639	2.5	19.14	1121	-12066	SLD 11	7221	39534	37857	2.5	33.77	Si
1261	4X/2Y Ø8/10	-1810	-7805	SLD 1	7277	44078	34625	2.5	19.13	1121	-11957	SLD 11	7207	39534	37842	2.5	33.76	Si
1290	4X/2Y Ø8/10	-1810	-7696	SLD 1	7264	44078	34611	2.5	19.12	1121	-11848	SLD 11	7192	39534	37826	2.5	33.74	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	-79595	-162049	-55756	SLE RA 7	-45.1	-79595	-162049	-55756	SLE RA 7	-587.7	Si
-111	-69253	-146144	-55626	SLE RA 7	-43.1	-69253	-146144	-55626	SLE RA 7	-566.7	Si
-81	-58732	-129964	-55494	SLE RA 7	-41.1	-58732	-129964	-55494	SLE RA 7	-545.3	Si
-52	-48211	-113783	-55361	SLE RA 7	-39	-48211	-113783	-55361	SLE RA 7	-523.9	Si
-22	-37690	-97603	-55229	SLE RA 7	-37	-37690	-97603	-55229	SLE RA 7	-502.5	Si
7	-27169	-81423	-55097	SLE RA 7	-35	-20875	-63015	-58388	SLE RA 13	-484.6	Si
36	-12054	-51598	-58256	SLE RA 13	-33	-12054	-51598	-58256	SLE RA 13	-468.5	Si
66	-3233	-40181	-58124	SLE RA 13	-31.5	-3233	-40181	-58124	SLE RA 13	-452.3	Si
95	5588	-28763	-57991	SLE RA 13	-30.5	5588	-28763	-57991	SLE RA 13	-442.6	Si
125	10357	-17202	-58346	SLE RA 12	-29.8	10357	-17202	-58346	SLE RA 12	-437.7	Si
154	16018	-13131	-58215	SLE RA 12	-29.7	16018	-13131	-58215	SLE RA 12	-436.5	Si
184	21736	-9020	-58083	SLE RA 12	-29.5	21736	-9020	-58083	SLE RA 12	-435.2	Si
213	46319	31596	-54172	SLE RA 7	-30.9	40741	16734	-57464	SLE RA 13	-448.7	Si
242	56998	48019	-54038	SLE RA 7	-32.8	49694	28322	-57329	SLE RA 13	-463.3	Si
272	67519	64200	-53906	SLE RA 7	-34.7	67519	64200	-53906	SLE RA 7	-480.9	Si
301	78040	80380	-53773	SLE RA 7	-36.6	78040	80380	-53773	SLE RA 7	-500.5	Si
331	88561	96560	-53641	SLE RA 7	-38.6	88561	96560	-53641	SLE RA 7	-520	Si
360	98903	112465	-53511	SLE RA 7	-40.4	98903	112465	-53511	SLE RA 7	-539.1	Si
380	8208	74515	-42141	SLE RA 13	-27.3	-16370	64553	-43033	SLE RA 12	-373.8	Si
409	12461	60997	-42011	SLE RA 13	-26.2	12461	60997	-42011	SLE RA 13	-361.1	Si
438	16714	47478	-41880	SLE RA 13	-25.1	16714	47478	-41880	SLE RA 13	-350.7	Si
467	20967	33960	-41750	SLE RA 13	-24	20967	33960	-41750	SLE RA 13	-340.3	Si
496	25220	20442	-41619	SLE RA 13	-22.9	25220	20442	-41619	SLE RA 13	-329.9	Si
525	29473	6923	-41489	SLE RA 13	-21.8	29473	6923	-41489	SLE RA 13	-319.5	Si
554	24138	-12532	-42250	SLE RA 12	-22.4	24138	-12532	-42250	SLE RA 12	-326.7	Si
583	30890	-25380	-42120	SLE RA 12	-23.8	30890	-25380	-42120	SLE RA 12	-341.1	Si
612	37641	-38227	-41989	SLE RA 12	-25.3	37641	-38227	-41989	SLE RA 12	-355.5	Si
641	44392	-51074	-41859	SLE RA 12	-26.7	44392	-51074	-41859	SLE RA 12	-369.8	Si
670	51144	-63922	-41728	SLE RA 12	-28.1	51144	-63922	-41728	SLE RA 12	-384.2	Si
690	-3386	81135	-27644	SLE RA 13	-20.7	-5977	75195	-28358	SLE RA 12	-272.4	Si
719	-6682	59891	-28230	SLE RA 12	-19.2	-6682	59891	-28230	SLE RA 12	-258.3	Si
748	-7400	44319	-28099	SLE RA 12	-17.8	-7400	44319	-28099	SLE RA 12	-244.1	Si
777	-8118	28747	-27969	SLE RA 12	-16.3	-8118	28747	-27969	SLE RA 12	-229.8	Si
806	-8835	13175	-27838	SLE RA 12	-14.9	-8835	13175	-27838	SLE RA 12	-215.5	Si
835	-9553	-2398	-27708	SLE RA 12	-13.9	-9553	-2398	-27708	SLE RA 12	-205.5	Si
864	-10270	-17970	-27577	SLE RA 12	-15.3	-10270	-17970	-27577	SLE RA 12	-218.7	Si
893	-10988	-33542	-27447	SLE RA 12	-16.6	-10988	-33542	-27447	SLE RA 12	-232	Si
922	-11706	-49114	-27316	SLE RA 12	-18	-11706	-49114	-27316	SLE RA 12	-245.2	Si
951	-13155	-68717	-26472	SLE RA 13	-19.5	-12423	-64687	-27186	SLE RA 12	-258	Si
980	-14242	-85399	-26342	SLE RA 13	-19.9	-14242	-85399	-26342	SLE RA 13	-259.1	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1000	-68020	96801	-13749	SLE RA 13	-22.5	-68020	96801	-13749	SLE RA 13	-267.6	Si
1029	-40891	75828	-13643	SLE RA 13	-18.7	-44260	70827	-14007	SLE RA 12	-228.7	Si
1058	-13286	54486	-13534	SLE RA 13	-14.7	-15623	50951	-13898	SLE RA 12	-186.8	Si
1087	14319	33145	-13425	SLE RA 13	-12.4	14319	33145	-13425	SLE RA 13	-162.7	Si
1116	41651	11199	-13680	SLE RA 12	-11.9	41651	11199	-13680	SLE RA 12	-163.5	Si
1145	70289	-8677	-13572	SLE RA 12	-13.6	70289	-8677	-13572	SLE RA 12	-183	Si
1174	98926	-28554	-13463	SLE RA 12	-17.7	98926	-28554	-13463	SLE RA 12	-226.5	Si
1203	124740	-52221	-12990	SLE RA 13	-21.8	127563	-48430	-13354	SLE RA 12	-269.9	Si
1232	152345	-73562	-12881	SLE RA 13	-26	156201	-68306	-13245	SLE RA 12	-313.4	Si
1261	179950	-94904	-12773	SLE RA 13	-37.8	179950	-94904	-12773	SLE RA 13	-425.1	Si
1290	207555	-116245	-12664	SLE RA 13	-42.2	207555	-116245	-12664	SLE RA 13	-465.7	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	-37792	-48919	-52375	SLE QP 2	-31.2	Si
-111	-33076	-45255	-52245	SLE QP 2	-30.6	Si
-81	-28279	-41527	-52112	SLE QP 2	-29.9	Si
-52	-23481	-37800	-51980	SLE QP 2	-29.3	Si
-22	-18684	-34073	-51848	SLE QP 2	-28.7	Si
7	-13887	-30345	-51715	SLE QP 2	-28	Si
36	-9089	-26618	-51583	SLE QP 2	-27.4	Si
66	-4292	-22891	-51451	SLE QP 2	-26.8	Si
95	505	-19163	-51318	SLE QP 2	-26.2	Si
125	5350	-15399	-51185	SLE QP 2	-26	Si
154	10100	-11709	-51054	SLE QP 2	-25.8	Si
184	14897	-7981	-50921	SLE QP 2	-25.7	Si
213	19622	-4310	-50791	SLE QP 2	-25.5	Si
242	24492	-527	-50657	SLE QP 2	-25.3	Si
272	29289	3201	-50524	SLE QP 2	-25.7	Si
301	34086	6928	-50392	SLE QP 2	-26.2	Si
331	38884	10655	-50260	SLE QP 2	-26.7	Si
360	43599	14319	-50129	SLE QP 2	-27.2	Si
380	-8306	58309	-37350	SLE QP 2	-23.5	Si
409	-3847	46772	-37219	SLE QP 2	-22.2	Si
438	612	35234	-37089	SLE QP 2	-20.9	Si
467	5071	23696	-36958	SLE QP 2	-20	Si
496	9530	12159	-36828	SLE QP 2	-19.1	Si
525	13989	621	-36697	SLE QP 2	-18.2	Si
554	18448	-10917	-36567	SLE QP 2	-19.3	Si
583	22907	-22454	-36436	SLE QP 2	-20.5	Si
612	27366	-33992	-36306	SLE QP 2	-21.7	Si
641	31825	-45530	-36175	SLE QP 2	-22.9	Si
670	36284	-57067	-36045	SLE QP 2	-24.1	Si
690	-569	66886	-24061	SLE QP 2	-17.6	Si
719	-2089	53249	-23933	SLE QP 2	-16.4	Si
748	-3635	39372	-23802	SLE QP 2	-15.1	Si
777	-5182	25495	-23672	SLE QP 2	-13.8	Si
806	-6728	11619	-23541	SLE QP 2	-12.6	Si
835	-8275	-2258	-23411	SLE QP 2	-11.7	Si
864	-9822	-16135	-23280	SLE QP 2	-13	Si
893	-11368	-30011	-23150	SLE QP 2	-14.3	Si
922	-12915	-43888	-23019	SLE QP 2	-15.6	Si
951	-14461	-57764	-22889	SLE QP 2	-16.8	Si
980	-16008	-71641	-22758	SLE QP 2	-17.2	Si
1000	-54682	77157	-11129	SLE QP 2	-18	Si
1029	-32698	60708	-11023	SLE QP 2	-15.1	Si
1058	-10328	43971	-10914	SLE QP 2	-11.8	Si
1087	12041	27234	-10805	SLE QP 2	-10	Si
1116	34411	10497	-10696	SLE QP 2	-9.7	Si
1145	56781	-6240	-10588	SLE QP 2	-10.7	Si
1174	79151	-22977	-10479	SLE QP 2	-14	Si
1203	101520	-39714	-10370	SLE QP 2	-17.3	Si
1232	123890	-56451	-10261	SLE QP 2	-20.6	Si
1261	146260	-73188	-10153	SLE QP 2	-23.9	Si
1290	168629	-89925	-10044	SLE QP 2	-33.5	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

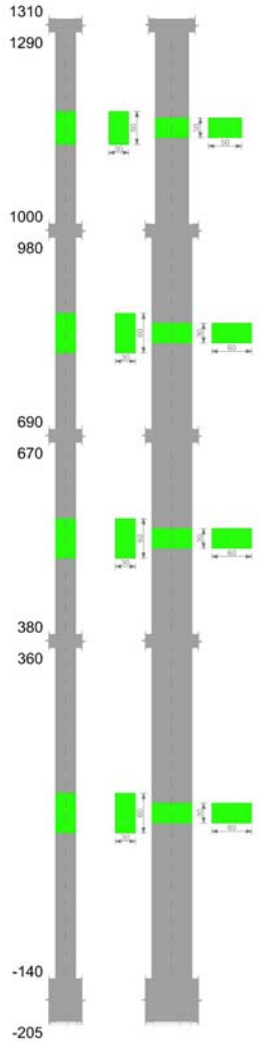
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.

Pilastro 8

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60	No	No	No	No		C30/37	B450C	
380	670	R 30x60	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	472537	-419250	-154562	914702	-811555	SLU 52	1.936	Si
-111	20.11	2.2	0	1,2	429054	-418792	-154393	836891	-816874	SLU 52	1.951	Si
-81	20.11	1.1	0	2	418325	-418325	-154221	818158	-818158	SLU 52	1.956	Si
-52	20.11	1.1	0	2	417858	-417858	-154049	818158	-818158	SLU 52	1.958	Si
-22	20.11	1.1	0	2	417391	-417391	-153877	818158	-818158	SLU 52	1.96	Si
7	20.11	1.1	0	2	416925	-416925	-153705	818158	-818158	SLU 52	1.962	Si
36	20.11	1.1	0	2	416458	-416458	-153533	818158	-818158	SLU 52	1.965	Si
66	20.11	1.1	0	2	415991	-415991	-153361	818158	-818158	SLU 52	1.967	Si
95	20.11	1.1	0	2	415525	-415525	-153189	818158	-818158	SLU 52	1.969	Si
125	20.11	1.1	0	2	415053	-415053	-153015	818158	-818158	SLU 52	1.971	Si
154	20.11	1.1	0	2	414591	-414591	-152845	818158	-818158	SLU 52	1.973	Si
184	20.11	1.1	0	2	-414124	-414124	-152673	-818158	-818158	SLU 52	1.976	Si
213	20.11	1.1	0	2	-413665	-413665	-152503	-818158	-818158	SLU 52	1.978	Si
242	20.11	1.1	0	2	-413191	-413191	-152328	-818158	-818158	SLU 52	1.98	Si
272	20.11	1.1	0	2	-412724	-412724	-152156	-818158	-818158	SLU 52	1.982	Si
301	20.11	1.1	0	2	-412258	-412258	-151984	-818158	-818158	SLU 52	1.985	Si
331	20.11	1.1	0	2	-411791	-411791	-151812	-818158	-818158	SLU 52	1.987	Si
360	20.11	1.1	0	2	-411332	-411332	-151643	-818158	-818158	SLU 52	1.989	Si
380	20.11	2.2	0	2,3	-436732	227210	-113605	-1182763	615332	SLU 52	2.708	Si
409	20.11	2.2	0	2,3	-379011	226870	-113435	-1045406	625765	SLU 52	2.758	Si
438	20.11	1.1	0	3	-321289	226531	-113266	-900715	635067	SLU 52	2.803	Si
467	20.11	1.1	0	3	-263567	226192	-113096	-749377	643110	SLU 52	2.843	Si
496	20.11	1.1	0	3	-225852	225852	-112926	-647491	647491	SLU 52	2.867	Si
525	20.11	1.1	0	3	-225513	225513	-112757	-647491	647491	SLU 52	2.871	Si
554	20.11	1.1	0	3	-225174	225174	-112587	-647491	647491	SLU 52	2.876	Si
583	20.11	1.1	0	3	-224835	-224835	-112417	-647491	-647491	SLU 52	2.88	Si
612	20.11	1.1	0	3	224495	-224495	-112248	647491	-647491	SLU 52	2.884	Si
641	20.11	1.1	0	3	224156	-224156	-112078	647491	-647491	SLU 52	2.889	Si
670	20.11	1.1	0	3	223823	-223823	-111911	647491	-647491	SLU 52	2.893	Si
690	20.11	2.2	0	3,4,6,7	-148811	148811	-74405	-647491	647491	SLU 52	4.351	Si
719	20.11	2.2	0	3,4,6,7	-148471	148471	-74236	-647491	647491	SLU 52	4.361	Si
748	20.11	1.1	0	4,6,7	-148132	148132	-74066	-647491	647491	SLU 52	4.371	Si
777	20.11	1.1	0	4,6,7	-147793	147793	-73896	-647491	647491	SLU 52	4.381	Si
806	20.11	1.1	0	4,6,7	-147453	147453	-73727	-647491	647491	SLU 52	4.391	Si
835	20.11	1.1	0	4,6,7	147114	-147114	-73557	647491	-647491	SLU 52	4.401	Si
864	20.11	1.1	0	4,6,7	146775	-146775	-73387	647491	-647491	SLU 52	4.411	Si
893	20.11	1.1	0	4,6,7	146435	-146435	-73218	647491	-647491	SLU 52	4.422	Si
922	20.11	1.1	0	4,6,7	146096	-146096	-73048	647491	-647491	SLU 52	4.432	Si
951	20.37	1.6	0	4,5,6,7	145757	-145757	-72878	649217	-649217	SLU 52	4.454	Si
980	27.42	2	0	4,5,6,7	145418	-145418	-72709	695580	-695580	SLU 52	4.783	Si
1000	20.11	2.4	0	5,6,7,8,9	-141436	69721	-34860	-1040431	512881	SLU 50	7.356	Si
1029	17.8	2.4	0	5,6,7,8,9	-107371	69679	-34840	-803657	521537	SLU 52	7.485	Si
1058	16.08	1.1	0	8,9	-75163	69396	-34698	-572055	528165	SLU 52	7.611	Si
1087	16.08	1.1	0	8,9	-69114	69114	-34557	-530708	530708	SLU 52	7.679	Si
1116	16.08	1.1	0	8,9	-68831	68831	-34415	-530708	530708	SLU 52	7.71	Si
1145	16.08	1.1	0	8,9	68548	68548	-34274	530708	530708	SLU 52	7.742	Si
1174	16.08	1.1	0	8,9	68265	68265	-34133	530708	530708	SLU 52	7.774	Si
1203	16.08	1.1	0	8,9	91920	67623	-33811	704948	518607	SLU 49	7.669	Si
1232	16.08	1.1	0	8,9	125399	67340	-33670	927215	497921	SLU 49	7.394	Si
1261	16.08	1.1	0	8,9	158877	67057	-33529	1125589	475076	SLU 49	7.085	Si
1290	22.11	2.1	0	8,9	191778	66779	-33390	1394626	485624	SLU 49	7.272	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	1462174	-183247	-99983	-2.02	1.92	2383127	-298665	SLV 15	1.63				Si
-111	20.11	2.2	0	1,2	1350163	-168825	-99853	-2.02	1.92	2347332	-293511	SLV 15	1.739				Si
-81	20.11	1.1	0	2	1236226	-154157	-99721	-2.02	1.92	2295973	-286308	SLV 15	1.857				Si
-52	20.11	1.1	0	2	1122304	-139495	-99588	-2.02	1.92	2226050	-276683	SLV 15	1.983				Si
-22	20.11	1.1	0	2	1008404	-124839	-99456	-2.02	1.92	2134413	-264238	SLV 15	2.117				Si
7	20.11	1.1	0	2	894531	-110194	-99324	-2.02	1.92	2018511	-248654	SLV 15	2.257				Si
36	20.11	1.1	0	2	780698	-95564	-99191	-2.02	1.92	1875388	-229564	SLV 15	2.402				Si
66	20.11	1.1	0	2	666933	-80962	-99059	-2.02	1.92	1704444	-206910	SLV 15	2.556				Si
95	20.11	1.1	0	2	553270	-66408	-98927	-2.02	1.92	1506973	-180879	SLV 15	2.724				Si
125	20.11	1.1	0	2	438653	-51807	-98793	-2.02	1.92	1279552	-151122	SLV 15	2.917				Si
154	20.11	1.1	0	2	326749	-37838	-98662	-2.02	1.92	1023835	-118562	SLV 15	3.133				Si
184	20.11	1.1	0	2	154864	-28669	-99408	-2.02	1.92	512958	-94961	SLV 11	3.312				Si
213	20.11	1.1	0	2	69522	-1181	-99277	-2.02	1.92	230583	-3917	SLV 11	3.317				Si
242	20.11	1.1	0	2	-21982	12582	-99143	-2.02	1.92	-73006	41785	SLV 11	3.321				Si
272	20.11	1.1	0	2	-89797	36465	-99011	-2.02	1.92	-298630	121267	SLV 11	3.326				Si
301	20.11	1.1	0	2	-250694	37672	-98000	-2.02	1.92	-824665	123922	SLV 15	3.29				Si
331	20.11	1.1	0	2	-363524	52216	-97868	-2.02	1.92	-1110660	159533	SLV 15	3.055				Si
360	20.11	1.1	0	2	-474960	66564	-97738	-2.02	1.92	-1355775	190007	SLV 15	2.855				Si
380	20.11	2.2	0	2,3	-281625	242174	-62982	-2.02	1.92	-988510	850035	SLV 5	3.51				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
409	20.11	2.2	0	2,3	-242458	156622	-63278	-2.02	1.92	-973050	628567	SLV 1	4.013				Si
438	20.11	1.1	0	3	-179499	120332	-63147	-2.02	1.92	-789334	529150	SLV 1	4.397				Si
467	20.11	1.1	0	3	-80664	-40620	-73320	-2.02	1.92	-362251	-182419	SLV 11	4.491				Si
496	20.11	1.1	0	3	-71114	-18671	-73190	-2.02	1.92	-319931	-83999	SLV 11	4.499				Si
525	20.11	1.1	0	3	-92727	3446	-73059	-2.02	1.92	-417911	15530	SLV 11	4.507				Si
554	20.11	1.1	0	3	-100583	39546	-72929	-2.02	1.92	-454126	178550	SLV 11	4.515				Si
583	20.11	1.1	0	3	-176120	42427	-72372	-2.02	1.92	-776239	186997	SLV 15	4.407				Si
612	20.11	1.1	0	3	-205906	56594	-72241	-2.02	1.92	-873706	240143	SLV 15	4.243				Si
641	20.11	1.1	0	3	342917	-137736	-62234	-2.02	1.92	1331779	-534921	SLV 1	3.884				Si
670	20.11	1.1	0	3	413563	-173520	-62106	-2.02	1.92	1464947	-614652	SLV 1	3.542				Si
690	20.11	2.2	0	3,4,6,7	-478333	161087	-40308	-2.02	1.92	-1886477	635304	SLV 1	3.944				Si
719	20.11	2.2	0	3,4,6,7	-385734	127241	-40178	-2.02	1.92	-1801608	594291	SLV 1	4.671				Si
748	20.11	1.1	0	4,6,7	-294039	93576	-40047	-2.02	1.92	-1624172	516880	SLV 1	5.524				Si
777	20.11	1.1	0	4,6,7	155597	-29132	-47205	-2.02	1.92	1000914	-187396	SLV 15	6.433				Si
806	20.11	1.1	0	4,6,7	63683	-19589	-47088	-2.02	1.92	445313	-136981	SLV 11	6.993				Si
835	20.11	1.1	0	4,6,7	40285	6200	-46958	-2.02	1.92	282483	43475	SLV 11	7.012				Si
864	20.11	1.1	0	4,6,7	-26986	25782	-46827	-2.02	1.92	-189757	181286	SLV 11	7.032				Si
893	20.11	1.1	0	4,6,7	201037	-80774	-39395	-2.02	1.92	1270771	-510577	SLV 1	6.321				Si
922	20.11	1.1	0	4,6,7	290089	-114215	-39264	-2.02	1.92	1560539	-614424	SLV 1	5.38				Si
951	20.37	1.6	0	4,5,6,7	381583	-147969	-39134	-2.02	1.92	1737140	-673620	SLV 1	4.552				Si
980	27.42	2	0	4,5,6,7	474087	-181856	-39003	-2.02	1.92	1985011	-761433	SLV 1	4.187				Si
1000	20.11	2.4	0	5,6,7,8,9	-414300	117916	-17084	-2.02	1.92	-1504053	428076	SLV 1	3.63				Si
1029	17.8	2.4	0	5,6,7,8,9	-308716	95083	-16977	-2.02	1.92	-1455646	448333	SLV 1	4.715				Si
1058	16.08	1.1	0	8,9	-202076	72013	-16868	-2.02	1.92	-1379616	491645	SLV 1	6.827				Si
1087	16.08	1.1	0	8,9	-73806	51960	-17074	-2.02	1.92	-820643	577733	SLV 5	11.119				Si
1116	16.08	1.1	0	8,9	-41468	30489	-21303	-2.02	1.92	-477547	351112	SLV 15	11.516				Si
1145	16.08	1.1	0	8,9	-109288	53924	-21194	-2.02	1.92	-976718	481929	SLV 15	8.937				Si
1174	16.08	1.1	0	8,9	-180128	82715	-21086	-2.02	1.92	-1213730	557346	SLV 15	6.738				Si
1203	16.08	1.1	0	8,9	344783	-46621	-16324	-2.02	1.92	1686760	-228081	SLV 1	4.892				Si
1232	16.08	1.1	0	8,9	452404	-69852	-16216	-2.02	1.92	1596410	-246490	SLV 1	3.529				Si
1261	16.08	1.1	0	8,9	560217	-93150	-16107	-2.02	1.92	1377401	-229028	SLV 1	2.459				Si
1290	22.11	2.1	0	8,9	666271	-116079	-16000	-2.02	1.92	1545639	-269285	SLV 1	2.32				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	608625	-69865	-96345	1639532	-188205	SLD 15	2.694	Si
-111	20.11	2.2	0	1,2	562659	-65022	-96215	1556338	-179853	SLD 15	2.766	Si
-81	20.11	1.1	0	2	515906	-60097	-96083	1467015	-170889	SLD 15	2.844	Si
-52	20.11	1.1	0	2	469162	-55174	-95950	1372558	-161415	SLD 15	2.926	Si
-22	20.11	1.1	0	2	422430	-50256	-95818	1272518	-151391	SLD 15	3.012	Si
7	20.11	1.1	0	2	375716	-45344	-95686	1166395	-140769	SLD 15	3.104	Si
36	20.11	1.1	0	2	329025	-40441	-95553	1053634	-129504	SLD 15	3.202	Si
66	20.11	1.1	0	2	282375	-35555	-95421	933634	-117556	SLD 15	3.306	Si
95	20.11	1.1	0	2	235788	-30697	-95289	805737	-104896	SLD 15	3.417	Si
125	20.11	1.1	0	2	138399	-33052	-95496	477200	-113964	SLD 11	3.448	Si
154	20.11	1.1	0	2	106222	-25762	-95365	366756	-88949	SLD 11	3.453	Si
184	20.11	1.1	0	2	74185	-18878	-95232	256497	-65271	SLD 11	3.458	Si
213	20.11	1.1	0	2	39237	-7793	-95102	135850	-26981	SLD 11	3.462	Si
242	20.11	1.1	0	2	-652	-3450	-94968	-2261	-11962	SLD 11	3.467	Si
272	20.11	1.1	0	2	-29037	5120	-94835	-100816	17775	SLD 11	3.472	Si
301	20.11	1.1	0	2	-60753	15337	-94703	-211231	53326	SLD 11	3.477	Si
331	20.11	1.1	0	2	-93193	23103	-94571	-324475	80439	SLD 11	3.482	Si
360	20.11	1.1	0	2	-125267	30775	-94441	-436747	107297	SLD 11	3.487	Si
380	20.11	2.2	0	2,3	-188542	134410	-66246	-781701	557270	SLD 5	4.146	Si
409	20.11	2.2	0	2,3	-162512	94249	-66282	-723797	419769	SLD 1	4.454	Si
438	20.11	1.1	0	3	-95609	958	-70187	-448536	4492	SLD 11	4.691	Si
467	20.11	1.1	0	3	-72443	3325	-70056	-340488	15625	SLD 11	4.7	Si
496	20.11	1.1	0	3	-58226	4817	-69926	-274178	22682	SLD 11	4.709	Si
525	20.11	1.1	0	3	-56635	7010	-69795	-267185	33069	SLD 11	4.718	Si
554	20.11	1.1	0	3	-46611	16123	-69665	-220306	76208	SLD 11	4.726	Si
583	20.11	1.1	0	3	-38884	17644	-69534	-184130	83550	SLD 11	4.735	Si
612	20.11	1.1	0	3	-32163	20017	-69404	-152592	94965	SLD 11	4.744	Si
641	20.11	1.1	0	3	169521	-74455	-65238	781490	-343235	SLD 1	4.61	Si
670	20.11	1.1	0	3	208740	-94954	-65109	910473	-414167	SLD 1	4.362	Si
690	20.11	2.2	0	3,4,6,7	-228962	93061	-42520	-1311027	532865	SLD 1	5.726	Si
719	20.11	2.2	0	3,4,6,7	-184546	73221	-42390	-1148043	455503	SLD 1	6.221	Si
748	20.11	1.1	0	4,6,7	-140654	53481	-42259	-955428	363287	SLD 1	6.793	Si
777	20.11	1.1	0	4,6,7	25167	-10594	-44998	184157	-77523	SLD 11	7.317	Si
806	20.11	1.1	0	4,6,7	21253	-5570	-44868	155972	-40876	SLD 11	7.339	Si
835	20.11	1.1	0	4,6,7	20911	-554	-44737	153909	-4077	SLD 11	7.36	Si
864	20.11	1.1	0	4,6,7	-1242	197	-44607	-9170	1455	SLD 11	7.382	Si
893	20.11	1.1	0	4,6,7	100555	-48683	-41607	731460	-354131	SLD 1	7.274	Si
922	20.11	1.1	0	4,6,7	142929	-68279	-41476	952527	-455034	SLD 1	6.664	Si
951	20.37	1.6	0	4,5,6,7	186686	-88058	-41346	1148553	-541761	SLD 1	6.152	Si
980	27.42	2	0	4,5,6,7	231036	-107916	-41215	1404223	-655909	SLD 1	6.078	Si
1000	20.11	2.4	0	5,6,7,8,9	-210239	53970	-18492	-1546220	396925	SLD 1	7.355	Si
1029	17.8	2.4	0	5,6,7,8,9	-158492	46714	-18385	-1378356	406256	SLD 1	8.697	Si
1058	16.08	1.1	0	8,9	-106285	39405	-18276	-1096867	406664	SLD 1	10.32	Si
1087	16.08	1.1	0	8,9	-44791	32909	-18291	-565413	415421	SLD 5	12.623	Si
1116	16.08	1.1	0	8,9	-21045	26277	-19895	-275822	344382	SLD 15	13.106	Si
1145	16.08	1.1	0	8,9	-35963	37193	-19786	-430708	445442	SLD 15	11.977	Si
1174	16.08	1.1	0	8,9	-52709	50548	-19678	-572506	549032	SLD 15	10.862	Si
1203	16.08	1.1	0	8,9	-70404	64265	-19569	-693792	633303	SLD 15	9.855	Si
1232	16.08	1.1	0	8,9	215414	-6061	-17624	1800816	-50667	SLD 1	8.36	Si
1261	16.08	1.1	0	8,9	268280	-13472	-17515	1834161	-92102	SLD 1	6.837	Si
1290	22.11	2.1	0	8,9	320294	-20771	-17408	1968459	-127654	SLD 1	6.146	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	154	-93240	SLU 29	15366	51792	52691	2.35	337.39	-2481	-93240	SLU 29	15029	48385	55356	2.5	19.5	Si
-111	5X/2Y Ø8/10	154	-93070	SLU 29	15366	51792	52691	2.35	337.39	-2481	-93070	SLU 29	15029	48385	55356	2.5	19.5	Si
-81	5X/2Y Ø8/10	154	-92898	SLU 29	15366	51792	52691	2.35	337.39	-2481	-92898	SLU 29	15029	48385	55356	2.5	19.5	Si
-52	5X/2Y Ø8/10	154	-92726	SLU 29	15366	51792	52691	2.35	337.39	-2481	-92726	SLU 29	15029	48385	55356	2.5	19.5	Si
-22	5X/2Y Ø8/15	154	-92554	SLU 29	15366	36732	50429	2.5	239.28	-2481	-92554	SLU 29	15029	32257	55356	2.5	13	Si
7	5X/2Y Ø8/15	154	-92382	SLU 29	15366	36732	50429	2.5	239.28	-2481	-92382	SLU 29	15029	32257	55356	2.5	13	Si
36	5X/2Y Ø8/15	154	-92210	SLU 29	15366	36732	50429	2.5	239.28	-2481	-92210	SLU 29	15029	32257	55356	2.5	13	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
66	5X/2Y Ø8/15	154	-92038	SLU 29	15366	36732	50429	2.5	239.28	-2481	-92038	SLU 29	15029	32257	55356	2.5	13	Si
95	5X/2Y Ø8/15	154	-91866	SLU 29	15366	36732	50429	2.5	239.28	-2481	-91866	SLU 29	15029	32257	55356	2.5	13	Si
125	5X/2Y Ø8/15	154	-91692	SLU 29	15366	36732	50429	2.5	239.28	-2481	-91692	SLU 29	15029	32257	55356	2.5	13	Si
154	5X/2Y Ø8/15	154	-91522	SLU 29	15366	36732	50429	2.5	239.28	-2481	-91522	SLU 29	15029	32257	55356	2.5	13	Si
184	5X/2Y Ø8/15	154	-91350	SLU 29	15366	36732	50429	2.5	239.28	-2481	-91350	SLU 29	15029	32257	55356	2.5	13	Si
213	5X/2Y Ø8/15	154	-91180	SLU 29	15366	36732	50429	2.5	239.28	-2481	-91180	SLU 29	15029	32257	55356	2.5	13	Si
242	5X/2Y Ø8/10	154	-91006	SLU 29	15366	51792	52691	2.35	337.39	-2481	-91006	SLU 29	15029	48385	55356	2.5	19.5	Si
272	5X/2Y Ø8/10	154	-90834	SLU 29	15366	51792	52691	2.35	337.39	-2481	-90834	SLU 29	15029	48385	55356	2.5	19.5	Si
301	5X/2Y Ø8/10	154	-90662	SLU 29	15366	51792	52691	2.35	337.39	-2481	-90662	SLU 29	15029	48385	55356	2.5	19.5	Si
331	5X/2Y Ø8/10	154	-90490	SLU 29	15366	51792	52691	2.35	337.39	-2481	-90490	SLU 29	15029	48385	55356	2.5	19.5	Si
360	5X/2Y Ø8/10	154	-90320	SLU 29	15366	51792	52691	2.35	337.39	-2481	-90320	SLU 29	15029	48385	55356	2.5	19.5	Si
380	5X/2Y Ø8/10	-753	-103478	SLU 24	15366	51792	52691	2.35	68.81	2405	-106106	SLU 45	15029	48385	55356	2.5	20.12	Si
409	5X/2Y Ø8/10	-753	-103347	SLU 24	15366	51792	52691	2.35	68.81	2405	-105936	SLU 45	15029	48385	55356	2.5	20.12	Si
438	5X/2Y Ø8/10	-753	-103217	SLU 24	15366	51792	52691	2.35	68.81	2405	-105766	SLU 45	15029	48385	55356	2.5	20.12	Si
467	5X/2Y Ø8/14.4	-753	-103086	SLU 24	15366	38145	50429	2.5	50.68	2405	-105597	SLU 45	15029	33497	55356	2.5	13.93	Si
496	5X/2Y Ø8/14.4	-753	-102956	SLU 24	15366	38145	50429	2.5	50.68	2405	-105427	SLU 45	15029	33497	55356	2.5	13.93	Si
525	5X/2Y Ø8/14.4	-753	-102825	SLU 24	15366	38145	50429	2.5	50.68	2405	-105257	SLU 45	15029	33497	55356	2.5	13.93	Si
554	5X/2Y Ø8/14.4	-753	-102695	SLU 24	15366	38145	50429	2.5	50.68	2405	-105088	SLU 45	15029	33497	55356	2.5	13.93	Si
583	5X/2Y Ø8/14.4	-753	-102564	SLU 24	15366	38145	50429	2.5	50.68	2405	-104918	SLU 45	15029	33497	55356	2.5	13.93	Si
612	5X/2Y Ø8/10	-753	-102434	SLU 24	15366	51792	52691	2.35	68.81	2405	-104748	SLU 45	15029	48385	55356	2.5	20.12	Si
641	5X/2Y Ø8/10	-753	-102303	SLU 24	15366	51792	52691	2.35	68.81	2405	-104579	SLU 45	15029	48385	55356	2.5	20.12	Si
670	5X/2Y Ø8/10	-753	-102175	SLU 24	15366	51792	52691	2.35	68.81	2405	-104412	SLU 45	15029	48385	55356	2.5	20.12	Si
690	5X/2Y Ø8/10	-745	-67689	SLU 26	15366	50690	52025	2.3	68.06	881	-74165	SLU 49	15029	48385	54770	2.5	54.91	Si
719	5X/2Y Ø8/10	-745	-67558	SLU 26	15366	50690	52007	2.3	68.06	881	-73996	SLU 49	15029	48385	54746	2.5	54.91	Si
748	5X/2Y Ø8/10	-745	-67428	SLU 26	15366	50690	51990	2.3	68.06	881	-73826	SLU 49	15029	48385	54722	2.5	54.91	Si
777	5X/2Y Ø8/14.4	-745	-67297	SLU 26	15366	38145	49011	2.5	51.22	881	-73656	SLU 49	15029	33497	54698	2.5	38.01	Si
806	5X/2Y Ø8/14.4	-745	-67167	SLU 26	15366	38145	48994	2.5	51.22	881	-73487	SLU 49	15029	33497	54674	2.5	38.01	Si
835	5X/2Y Ø8/14.4	-745	-67036	SLU 26	15366	38145	48977	2.5	51.22	881	-73317	SLU 49	15029	33497	54650	2.5	38.01	Si
864	5X/2Y Ø8/14.4	-745	-66906	SLU 26	15366	38145	48960	2.5	51.22	881	-73147	SLU 49	15029	33497	54626	2.5	38.01	Si
893	5X/2Y Ø8/14.4	-745	-66775	SLU 26	15366	38145	48944	2.5	51.22	881	-72978	SLU 49	15029	33497	54602	2.5	38.01	Si
922	5X/2Y Ø8/10	-745	-66645	SLU 26	15366	50690	51883	2.3	68.06	881	-72808	SLU 49	15029	48385	54579	2.5	54.91	Si
951	5X/2Y Ø8/10	-745	-66514	SLU 26	15366	50690	51865	2.3	68.06	881	-72638	SLU 49	15029	48385	54555	2.5	54.91	Si
980	5X/2Y Ø8/10	-745	-66384	SLU 26	15366	50690	51847	2.3	68.06	881	-72469	SLU 49	15029	48385	54531	2.5	54.91	Si
1000	4X/2Y Ø8/10	231	-27622	SLU 34	9744	39671	40013	2.25	171.53	1154	-34798	SLU 49	10268	39534	41008	2.5	34.25	Si
1029	4X/2Y Ø8/10	231	-27483	SLU 34	9727	39671	39994	2.25	171.53	1154	-34660	SLU 49	10249	39534	40988	2.5	34.25	Si
1058	4X/2Y Ø8/10	231	-27341	SLU 34	9709	39671	39974	2.25	171.53	1154	-34518	SLU 49	10230	39534	40969	2.5	34.25	Si
1087	4X/2Y Ø8/14.4	231	-27200	SLU 34	9692	30516	37123	2.5	131.95	1154	-34377	SLU 49	10211	27370	40949	2.5	23.71	Si
1116	4X/2Y Ø8/14.4	231	-27059	SLU 34	9674	30516	37104	2.5	131.95	1154	-34235	SLU 49	10192	27370	40930	2.5	23.71	Si
1145	4X/2Y Ø8/14.4	231	-26917	SLU 34	9657	30516	37086	2.5	131.95	1154	-34094	SLU 49	10173	27370	40910	2.5	23.71	Si
1174	4X/2Y Ø8/14.4	231	-26776	SLU 34	9639	30516	37068	2.5	131.95	1154	-33953	SLU 49	10154	27370	40890	2.5	23.71	Si
1203	4X/2Y Ø8/14.4	231	-26634	SLU 34	9621	30516	37050	2.5	131.95	1154	-33811	SLU 49	10135	27370	40871	2.5	23.71	Si
1232	4X/2Y Ø8/10	231	-26493	SLU 34	9604	39671	39857	2.25	171.53	1154	-33670	SLU 49	10116	39534	40851	2.5	34.25	Si
1261	4X/2Y Ø8/10	231	-26352	SLU 34	9586	39671	39837	2.25	171.53	1154	-33529	SLU 49	10097	39534	40832	2.5	34.25	Si
1290	4X/2Y Ø8/10	231	-26213	SLU 34	9569	39671	39818	2.25	171.53	1154	-33390	SLU 49	10079	39534	40812	2.5	34.25	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-852	-87155	SLV 5	15366	51792	52691	2.35	60.82	-3876	-99983	SLV 15	15029	48385	55356	2.5	12.48	Si
-111	5X/2Y Ø8/10	-852	-87025	SLV 5	15366	51792	52691	2.35	60.82	-3876	-99853	SLV 15	15029	48385	55356	2.5	12.48	Si
-81	5X/2Y Ø8/10	-852	-86892	SLV 5	15366	51792	52691	2.35	60.82	-3876	-99721	SLV 15	15029	48385	55356	2.5	12.48	Si
-52	5X/2Y Ø8/10	-852	-86760	SLV 5	15366	51792	52691	2.35	60.82	-3876	-99588	SLV 15	15029	48385	55356	2.5	12.48	Si
-22	5X/2Y Ø8/15	-852	-86628	SLV 5	15366	36732	50429	2.5	43.13	-3876	-99456	SLV 15	15029	32257	55356	2.5	8.32	Si
7	5X/2Y Ø8/15	-852	-86495	SLV 5	15366	36732	50429	2.5	43.13	-3876	-99324	SLV 15	15029	32257	55356	2.5	8.32	Si
36	5X/2Y Ø8/15	-852	-86363	SLV 5	15366	36732	50429	2.5	43.13	-3876	-99191	SLV 15	15029	32257	55356	2.5	8.32	Si
66	5X/2Y Ø8/15	-852	-86231	SLV 5	15366	36732	50429	2.5	43.13	-3876	-99059	SLV 15	15029	32257	55356	2.5	8.32	Si
95	5X/2Y Ø8/15	-852	-86098	SLV 5	15366	36732	50429	2.5	43.13	-3876	-98927	SLV 15	15029	32257	55356	2.5	8.32	Si
125	5X/2Y Ø8/15	-852	-85965	SLV 5	15366	36732	50429	2.5	43.13	-3876	-98793	SLV 15	15029	32257	55356	2.5	8.32	Si
154	5X/2Y Ø8/15	-852	-85834	SLV 5	15366	36732	50429	2.5	43.13	-3876	-98662	SLV 15	15029	32257	55356	2.5	8.32	Si
184	5X/2Y Ø8/15	-852	-85701	SLV 5	15366	36732	50429	2.5	43.13	-3876	-98530	SLV 15	15029	32257	55356	2.5	8.32	Si
213	5X/2Y Ø8/15	-852	-85571	SLV 5	15366	36732	50429	2.5	43.13	-3876	-98399	SLV 15	15029	32257	55356	2.5	8.32	Si
242	5X/2Y Ø8/10	-852	-85437	SLV 5	15366	51792	52691	2.35	60.82	-3876	-98265	SLV 15	15029	48385	55356	2.5	12.48	Si
272	5X/2Y Ø8/10	-852	-85304	SLV 5	15366	51792	52691	2.35	60.82	-3876	-98133	SLV 15	15029	48385	55356	2.5	12.48	Si
301	5X/2Y Ø8/10	-852	-85172	SLV 5	15366	51792	52691	2.35	60.82	-3876	-98000	SLV 15	15029	48385	55356	2.5	12.48	Si
331	5X/2Y Ø8/10	-852	-85040	SLV 5	15366	51792	52691	2.35	60.82	-3876	-97868	SLV 15	15029	48385	55356	2.5	12.48	Si
360	5X/2Y Ø8/10	-852	-84909	SLV 5	15366	51792	52691	2.35	60.82	-3876	-97738	SLV 15	15029	48385	55356	2.5	12.48	Si
380	5X/2Y Ø8/10	-1592	-62982	SLV 5	15366	50690	51382	2.3	31.83	2540	-63408	SLV 1	15029	48385	53250	2.5	19.05	Si
409	5X/2Y Ø8/10	-1592	-62851	SLV 5	15366	50690	51365	2.3	31.83	2540	-63278	SLV 1	15029	48385	53231	2.5	19.05	Si
438	5X/2Y Ø8/10	-1592	-62721	SLV 5	15366	50690	51347	2.3	31.83	2540	-63147	SLV 1	15029	48385	53213	2.5	19.05	Si
467	5X/2Y Ø8/14.4	-1592	-62590	SLV 5	15359	38145	48405	2.5	23.95	2540	-63017	SLV 1	15029	33497	53194	2.5	13.19	Si
496	5X/2Y Ø8/14.4	-1592	-62460	SLV 5	15343	38145	48388	2.5	23.95	2540	-62886	SLV 1	15029	33497	53176	2.5	13.19	Si
525	5X/2Y Ø8/14.4	-1592	-62329	SLV 5	15326	38145	48371	2.5	23.95	2540	-62756	SLV 1	15029	33497	53157	2.5	13.19	Si
554	5X/2Y Ø8/14.4	-1592	-62199	SLV 5	15310	38145	48354	2.5	23.95	2540	-62625	SLV 1	15026	33497	53139	2.5	13.19	Si
583	5X/2Y Ø8/14.4	-1592	-62068	SLV 5	15294	38145	48337	2.5	23.95	2540	-62495	SLV 1	15008	33497	53120	2.5	13.19	Si
612	5X/2Y Ø8/10	-1592	-61938	SLV 5	15278	50690	51240	2.3	31.83	2540	-62364	SLV 1	14990	48385	53102	2.5	19.05	Si
641	5X/2Y Ø8/10	-1592	-61807	SLV 5	15261	50690	51222	2.3	31.83	2540	-62234	SLV 1	14972	48385	53084	2.5	19.05	Si
670	5X/2Y Ø8/10	-1592	-61679	SLV 5	15245	50690	51204	2.3	31.83	2540	-62106	SLV 1	14955	48385	53065	2.5	19.05	Si
690	5X/2Y Ø8/10	-1535	-40294	SLV 5	12583	48486	49743	2.2	31.59	3243	-40308	SLV 1	11976	48385	49984	2.5	14.92	Si
719	5X/2Y Ø8/10	-1535	-40164	SLV 5	12567	48486	49725	2.2	31.59	3243	-40178	SLV 1	11958	48385	49965	2.5	14.92	Si
748	5X/2Y Ø8/10	-1535	-40033	SLV 5	12551	48486	49707	2.2	31.59	3243	-40047	SLV 1	11940	48385	49947	2.5	14.92	Si
777	5X/2Y Ø8/14.4	-1535	-39903	SLV 5	12534	38145	45483	2.5	24.85	3243	-39917	SLV 1	11922	33497	49928	2.5	10.33	Si
806	5X/2Y Ø8/14.4	-1535	-39772	SLV 5	12518	38145	45466	2.5	24.85	3243	-39786	SLV 1	11904	33497	49910	2.5	10.33	Si
835	5X/2Y Ø8/14.4	-1535	-39642	SLV 5	12502	38145	45449	2.5	24.85	3243	-39656	SLV 1	11886	33497	49892	2.5	10.33	Si
864	5X/2Y Ø8/14.4	-1535	-39511	SLV 5	12486	38145	45432	2.5	24.85	3243	-39525	SLV 1	11869	33497	49873	2.5	10.33	Si
893	5X/2Y Ø8/14.4	-1535	-39381	SLV 5	12469	38145	45415	2.5	24.85	3243	-39395	SLV 1	11851	33497	49855	2.5	10.33	Si
922	5X/2Y Ø8/10	-1535	-39250	SLV 5	12453	48486	49596	2.2	31.59	3243	-39264	SLV 1	11833	48385	49836	2.5	14.92	Si
951	5X/2Y Ø8/10	-1535	-39120	SLV 5	12437	48486	49578	2.2	31.59	3243	-39134	SLV 1	11815	48385	49818	2.5	14.92	Si
980	5X/2Y Ø8/10	-1535	-38989	SLV 5	12421	48486	49560	2.2	31.59	3243	-39003	SLV 1	11797	48385	49799	2.5	14.92	Si
1000	4X/2Y Ø8/10	1373	-21422	SLV 11	8972	38789	39742	2.2	28.25	3729	-17084	SLV 1	7894	38743	39116	2.45	10.39	Si
1029	4X/2Y Ø8/10	1373	-21315	SLV 11	8959	38789	39727	2.2	28.25	3729	-16977	SLV 1	7879	38743	39101	2.45	10.39	Si
1058	4X/2Y Ø8/10	1373	-21206	SLV 11	8946	38789	39712	2.2	28.25	3729	-16868	SLV 1	7865	38743	39086	2.45	10.39	Si
1087	4X/2Y Ø8/14.4	1373	-21097	SLV 11	8932	30516	36337	2.5	22.22	3729	-16759	SLV 1	7850	27370	38507	2.5	7.34	Si
1116	4X/2Y Ø8/14.4	1373	-20989	SLV 11	8918	30516	36323	2.5	22.22	3729	-16651	SLV 1	7836	27370	38492	2.5	7.34	Si
1145	4X/2Y Ø8/14.4	1373	-20880	SLV 11	8905	30516	36309	2.5	22.22	3729	-16542	SLV 1	7821	27370	38477	2.5	7.34	Si
1174	4X/2Y Ø8/14.4	1373	-20771	SLV 11	8891	30516	36295	2.5	22.22	3729	-16433	SLV 1	7807	27370	38462	2.5	7.34	Si
1203	4X/2Y Ø8/14.4	1373	-20662	SLV 11	8878	30516	36281	2.5	22.22	3729	-16324	SLV 1	7792	27370	38447	2.5	7.34	Si
1232	4X/2Y Ø8/10	1373	-20554	SLV 11	8864	38789	39620	2.2	28.25	3729	-16216	SLV 1	7777	38743	38994	2.45	10.39	Si
1261	4X/2Y Ø8/10	1373	-20445	SLV 11	8851	38789	39605	2.2	28.25	3729	-16107	SLV 1	7763	38743	38979	2.45	10.39	Si
1290	4X/2Y Ø8/10	1373	-20338	SLV 11	8837	38789	39590	2.2	28.25	3729	-16000	SLV 1	7749	38743	38964	2.45	10.39	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-366	-91330	SLD 5	18937	55098	50429	2.5	137.61	-1591	-96345	SLD 15	19310	48385	55356	2.5	30.41	Si
-111	5X/2Y Ø8/10	-366	-91200	SLD 5	18921	55098	50429	2.5	137.61	-1591	-96215	SLD 15	19310	48385	55356	2.5	30.41	Si
-81	5X/2Y Ø8/10	-366	-91068	SLD 5	18904	55098	50429	2.5	137.61	-1591	-96083	SLD 15	19310	48385	55356	2.5	30.41	Si
-52	5X/2Y Ø8/10	-366	-90935	SLD 5	18888	55098	50429	2.5	137.61	-1591	-95950	SLD 15	19310	48385	55356	2.5	30.41	Si
-22	5X/2Y Ø8/15	-366	-90803	SLD 5	18871	36732	50429	2.5	100.23	-1591	-95818	SLD 15	19310	32257	55356	2.5	20.27	Si
7	5X/2Y Ø8/15	-366	-90671	SLD 5	18855	36732	50429	2.5	100.23	-1591	-95686	SLD 15	19310	32257	55356	2.5	20.27	Si
36	5X/2Y Ø8/15	-366	-90538	SLD 5	18838	36732	50429	2.5	100.23	-1591	-95553	SLD 15	19310	32257	55356	2.5	20.27	Si
66	5X/2Y Ø8/15	-366	-90406	SLD 5	18822	36732	50429	2.5	100.23	-1591	-95421	SLD 15	19310	32257	55356	2.5	20.27	Si
95	5X/2Y Ø8/15	-366	-90274	SLD 5	18806	36732	50429	2.5	100.23	-1591	-95289	SLD 15	19310	32257	55356	2.5	20.27	Si
125	5X/2Y Ø8/15	-366	-90140	SLD 5	18789	36732	50429	2.5	100.23	-1591	-95155	SLD 15	19310	32257	55356	2.5	20.27	Si
154	5X/2Y Ø8/15	-366	-90009	SLD 5	18773	36732	50429	2.5	100.23	-1591	-95024	SLD 15	19310	32257	55356	2.5	20.27	Si
184	5X/2Y Ø8/15	-366	-89877	SLD 5	18756	36732	50429	2.5	100.23	-1591	-94892	SLD 15	19310	32257	55356	2.5	20.27	Si
213	5X/2Y Ø8/15	-366	-89746	SLD 5	18740	36732	50429	2.5	100.23	-1591	-94761	SLD 15	19310	32257	55356	2.5	20.27	Si
242	5X/2Y Ø8/10	-366	-89612	SLD 5	18723	55098	50429	2.5	137.61	-1591	-94627	SLD 15	19310	48385	55356	2.5	30.41	Si
272	5X/2Y Ø8/10	-366	-89480	SLD 5	18707	55098	50429	2.5	137.61	-1591	-94495	SLD 15	19310	48385	55356	2.5	30.41	Si
301	5X/2Y Ø8/10	-366	-89347	SLD 5	18690	55098	50429	2.5	137.61	-1591	-94362	SLD 15	19310	48385	55356	2.5	30.41	Si
331	5X/2Y Ø8/10	-366	-89215	SLD 5	18674	55098	50429	2.5	137.61	-1591	-94230	SLD 15	19310	48385	55356	2.5	30.41	Si
360	5X/2Y Ø8/10	-366	-89085	SLD 5	18657	55098	50429	2.5	137.61	-1591	-94100	SLD 15	19310	48385	55356	2.5	30.41	Si
380	5X/2Y Ø8/10	-852	-66246	SLD 5	15814	55098	48875	2.5	57.36	1412	-66412	SLD 1	15543	48385	53674	2.5	34.28	Si
409	5X/2Y Ø8/10	-852	-66115	SLD 5	15798	55098	48859	2.5	57.34	1412	-66282	SLD 1	15525	48385	53656	2.5	34.28	Si
438	5X/2Y Ø8/10	-852	-65985	SLD 5	15782	55098	48842	2.5	57.32	1412	-66151	SLD 1	15507	48385	53637	2.5	34.28	Si
467	5X/2Y Ø8/14.4	-852	-65854	SLD 5	15765	38145	48825	2.5	44.76	1412	-66021	SLD 1	15490	33497	53619	2.5	23.73	Si
496	5X/2Y Ø8/14.4	-852	-65724	SLD 5	15749	38145	48808	2.5	44.76	1412	-65890	SLD 1	15472	33497	53600	2.5	23.73	Si
525	5X/2Y Ø8/14.4	-852	-65593	SLD 5	15733	38145	48791	2.5	44.76	1412	-65760	SLD 1	15454	33497	53582	2.5	23.73	Si
554	5X/2Y Ø8/14.4	-852	-65463	SLD 5	15717	38145	48775	2.5	44.76	1412	-65629	SLD 1	15436	33497	53564	2.5	23.73	Si
583	5X/2Y Ø8/14.4	-852	-65332	SLD 5	15700	38145	48758	2.5	44.76	1412	-65499	SLD 1	15418	33497	53545	2.5	23.73	Si
612	5X/2Y Ø8/10	-852	-65202	SLD 5	15684	55098	48741	2.5	57.2	1412	-65368	SLD 1	15400	48385	53527	2.5	34.28	Si
641	5X/2Y Ø8/10	-852	-65071	SLD 5	15668	55098	48724	2.5	57.18	1412	-65238	SLD 1	15383	48385	53508	2.5	34.28	Si
670	5X/2Y Ø8/10	-852	-64943	SLD 5	15652	55098	48708	2.5	57.16	1412	-65109	SLD 1	15365	48385	53490	2.5	34.28	Si
690	5X/2Y Ø8/10	-830	-42515	SLD 5	12860	55098	45819	2.5	55.2	1561	-42520	SLD 1	12278	48385	50297	2.5	31	Si
719	5X/2Y Ø8/10	-830	-42384	SLD 5	12843	55098	45802	2.5	55.18	1561	-42390	SLD 1	12260	48385	50278	2.5	31	Si
748	5X/2Y Ø8/10	-830	-42254	SLD 5	12827	55098	45785	2.5	55.16	1561	-42259	SLD 1	12242	48385	50260	2.5	31	Si
777	5X/2Y Ø8/14.4	-830	-42123	SLD 5	12811	38145	45769	2.5	45.95	1561	-42129	SLD 1	12225	33497	50241	2.5	21.46	Si
806	5X/2Y Ø8/14.4	-830	-41993	SLD 5	12795	38145	45752	2.5	45.95	1561	-41998	SLD 1	12207	33497	50223	2.5	21.46	Si
835	5X/2Y Ø8/14.4	-830	-41862	SLD 5	12778	38145	45735	2.5	45.95	1561	-41868	SLD 1	12189	33497	50204	2.5	21.46	Si
864	5X/2Y Ø8/14.4	-830	-41732	SLD 5	12762	38145	45718	2.5	45.95	1561	-41737	SLD 1	12171	33497	50186	2.5	21.46	Si
893	5X/2Y Ø8/14.4	-830	-41601	SLD 5	12746	38145	45701	2.5	45.95	1561	-41607	SLD 1	12153	33497	50167	2.5	21.46	Si
922	5X/2Y Ø8/10	-830	-41471	SLD 5	12730	55098	45685	2.5	55.04	1561	-41476	SLD 1	12135	48385	50149	2.5	31	Si
951	5X/2Y Ø8/10	-830	-41340	SLD 5	12713	55098	45668	2.5	55.02	1561	-41346	SLD 1	12117	48385	50131	2.5	31	Si
980	5X/2Y Ø8/10	-830	-41210	SLD 5	12697	55098	45651	2.5	55	1561	-41215	SLD 1	12100	48385	50112	2.5	31	Si
1000	4X/2Y Ø8/10	612	-20205	SLD 11	8821	44078	36222	2.5	59.16	1830	-18492	SLD 1	8082	39534	38747	2.5	21.18	Si
1029	4X/2Y Ø8/10	612	-20098	SLD 11	8808	44078	36208	2.5	59.14	1830	-18385	SLD 1	8068	39534	38733	2.5	21.17	Si
1058	4X/2Y Ø8/10	612	-19989	SLD 11	8794	44078	36194	2.5	59.12	1830	-18276	SLD 1	8054	39534	38717	2.5	21.16	Si
1087	4X/2Y Ø8/14.4	612	-19880	SLD 11	8780	30516	36180	2.5	49.84	1830	-18167	SLD 1	8039	27370	38702	2.5	14.96	Si
1116	4X/2Y Ø8/14.4	612	-19772	SLD 11	8767	30516	36166	2.5	49.84	1830	-18059	SLD 1	8024	27370	38687	2.5	14.96	Si
1145	4X/2Y Ø8/14.4	612	-19663	SLD 11	8753	30516	36152	2.5	49.84	1830	-17950	SLD 1	8010	27370	38672	2.5	14.96	Si
1174	4X/2Y Ø8/14.4	612	-19554	SLD 11	8740	30516	36138	2.5	49.84	1830	-17841	SLD 1	7995	27370	38657	2.5	14.96	Si
1203	4X/2Y Ø8/14.4	612	-19445	SLD 11	8726	30516	36124	2.5	49.84	1830	-17732	SLD 1	7981	27370	38642	2.5	14.96	Si
1232	4X/2Y Ø8/10	612	-19337	SLD 11	8713	44078	36110	2.5	58.98	1830	-17624	SLD 1	7966	39534	38627	2.5	21.11	Si
1261	4X/2Y Ø8/10	612	-19228	SLD 11	8699	44078	36096	2.5	58.96	1830	-17515	SLD 1	7952	39534	38612	2.5	21.1	Si
1290	4X/2Y Ø8/10	612	-19121	SLD 11	8686	44078	36082	2.5	58.93	1830	-17408	SLD 1	7937	39534	38597	2.5	21.1	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	496050	-22381	-102809	SLE RA 7	-74.5	496050	-22381	-102809	SLE RA 7	-1043.4	Si
-111	448566	-20973	-102679	SLE RA 7	-72	448566	-20973	-102679	SLE RA 7	-1013.5	Si
-81	400260	-19541	-102547	SLE RA 7	-69.5	400260	-19541	-102547	SLE RA 7	-983	Si
-52	351955	-18109	-102415	SLE RA 7	-67.1	351955	-18109	-102415	SLE RA 7	-952.6	Si
-22	303650	-16677	-102282	SLE RA 7	-64.6	303650	-16677	-102282	SLE RA 7	-922.2	Si
7	255344	-15245	-102150	SLE RA 7	-62.1	255344	-15245	-102150	SLE RA 7	-891.7	Si
36	207039	-13813	-102018	SLE RA 7	-59.6	143147	-9128	-108286	SLE RA 13	-864.6	Si
66	113108	-9208	-108154	SLE RA 13	-57.7	113108	-9208	-108154	SLE RA 13	-846.2	Si
95	83068	-9289	-108021	SLE RA 13	-56.2	83068	-9289	-108021	SLE RA 13	-827.7	Si
125	52728	-9370	-107888	SLE RA 13	-54.7	52728	-9370	-107888	SLE RA 13	-809.1	Si
154	32623	-11167	-107621	SLE RA 12	-53.8	32623	-11167	-107621	SLE RA 12	-797.1	Si
184	29670	-13159	-107488	SLE RA 12	-53.8	29670	-13159	-107488	SLE RA 12	-796.2	Si
213	-36639	-9609	-107494	SLE RA 13	-53.8	-36639	-9609	-107494	SLE RA 13	-797.1	Si
242	-67129	-9690	-107360	SLE RA 13	-55.2	-67129	-9690	-107360	SLE RA 13	-814.1	Si
272	-179404	-2358	-100959	SLE RA 7	-56.8	-97168	-9770	-107227	SLE RA 13	-830.7	Si
301	-227709	-926	-100826	SLE RA 7	-58.8	-227709	-926	-100826	SLE RA 7	-853.5	Si
331	-276015	506	-100694	SLE RA 7	-61	-276015	506	-100694	SLE RA 7	-880.4	Si
360	-323499	1914	-100564	SLE RA 7	-63.4	-323499	1914	-100564	SLE RA 7	-908.5	Si
380	-385137	83820	-75268	SLE RA 7	-61.7	-385137	83820	-75268	SLE RA 7	-836.3	Si
409	-337413	70710	-75138	SLE RA 7	-58.2	-337413	70710	-75138	SLE RA 7	-795.9	Si
438	-289690	57600	-75007	SLE RA 7	-54.7	-289690	57600	-75007	SLE RA 7	-755.5	Si
467	-241967	44489	-74877	SLE RA 7	-51.2	-241967	44489	-74877	SLE RA 7	-715.1	Si
496	-194244	31379	-74746	SLE RA 7	-47.6	-140823	29679	-79655	SLE RA 13	-677	Si
525	-146520	18269	-74616	SLE RA 7	-44.1	-100995	16211	-79524	SLE RA 13	-640.9	Si
554	-61167	2743	-79394	SLE RA 13	-40.9	-61167	2743	-79394	SLE RA 13	-604.8	Si
583	19672	-13646	-79060	SLE RA 10	-39.8	18981	-13498	-79151	SLE RA 12	-588	Si
612	44579	-26475	-78929	SLE RA 10	-42.1	43776	-26282	-79021	SLE RA 12	-612.8	Si
641	69486	-39304	-78799	SLE RA 10	-44.4	69486	-39304	-78799	SLE RA 10	-637.8	Si
670	98483	-51178	-78782	SLE RA 11	-46.8	98483	-51178	-78782	SLE RA 11	-665.1	Si
690	-85980	58004	-52429	SLE RA 10	-34.3	-85980	58004	-52429	SLE RA 10	-475.7	Si
719	-68119	44996	-52298	SLE RA 10	-32.2	-67151	45004	-52384	SLE RA 12	-452.9	Si
748	-49475	31975	-52253	SLE RA 12	-30.1	-49475	31975	-52253	SLE RA 12	-430.1	Si
777	-31798	18947	-52123	SLE RA 12	-28	-31798	18947	-52123	SLE RA 12	-407.4	Si
806	-14121	5919	-51992	SLE RA 12	-25.9	-14121	5919	-51992	SLE RA 12	-384.6	Si
835	7127	-6793	-51936	SLE RA 13	-25.7	7127	-6793	-51936	SLE RA 13	-380.9	Si
864	23286	-20216	-51806	SLE RA 13	-27.6	23286	-20216	-51806	SLE RA 13	-401.2	Si
893	39445	-33639	-51675	SLE RA 13	-29.5	39445	-33639	-51675	SLE RA 13	-421.6	Si
922	55604	-47062	-51545	SLE RA 13	-31.5	55604	-47062	-51545	SLE RA 13	-442	Si
951	71762	-60485	-51414	SLE RA 13	-33.3	71762	-60485	-51414	SLE RA 13	-461.4	Si
980	91939	-72250	-51209	SLE RA 12	-33.4	91939	-72250	-51209	SLE RA 12	-458.6	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1000	-98862	14687	-24763	SLE RA 11	-21.9	-98862	14687	-24763	SLE RA 11	-299.6	Si
1029	-76270	17665	-24656	SLE RA 11	-21.1	-76270	17665	-24656	SLE RA 11	-289	Si
1058	-53283	20695	-24548	SLE RA 11	-20	-52760	20610	-24626	SLE RA 13	-276.8	Si
1087	-30320	23897	-24518	SLE RA 13	-18.8	-30320	23897	-24518	SLE RA 13	-261.3	Si
1116	-7879	27185	-24409	SLE RA 13	-17.6	-7879	27185	-24409	SLE RA 13	-245.7	Si
1145	15777	30794	-24259	SLE RA 12	-18.4	15777	30794	-24259	SLE RA 12	-254.7	Si
1174	38517	34415	-24150	SLE RA 12	-20.3	38517	34415	-24150	SLE RA 12	-276	Si
1203	61257	38037	-24041	SLE RA 12	-22.2	61257	38037	-24041	SLE RA 12	-297.3	Si
1232	83997	41659	-23932	SLE RA 12	-24.1	83997	41659	-23932	SLE RA 12	-318.6	Si
1261	106737	45281	-23824	SLE RA 12	-26	110044	43563	-23745	SLE RA 10	-340.1	Si
1290	132930	46869	-23638	SLE RA 10	-26.4	132930	46869	-23638	SLE RA 10	-342.8	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	56006	3839	-94008	SLE QP 2	-47.7	Si
-111	53004	2412	-93878	SLE QP 2	-47.4	Si
-81	49950	960	-93746	SLE QP 2	-47.1	Si
-52	46896	-491	-93613	SLE QP 2	-46.8	Si
-22	43842	-1942	-93481	SLE QP 2	-46.7	Si
7	40788	-3394	-93349	SLE QP 2	-46.7	Si
36	37735	-4845	-93216	SLE QP 2	-46.6	Si
66	34681	-6296	-93084	SLE QP 2	-46.5	Si
95	31627	-7748	-92952	SLE QP 2	-46.4	Si
125	28542	-9214	-92818	SLE QP 2	-46.4	Si
154	25519	-10650	-92687	SLE QP 2	-46.3	Si
184	22465	-12102	-92554	SLE QP 2	-46.2	Si
213	19457	-13531	-92424	SLE QP 2	-46.1	Si
242	16357	-15005	-92290	SLE QP 2	-46.1	Si
272	13303	-16456	-92157	SLE QP 2	-46	Si
301	10249	-17907	-92025	SLE QP 2	-45.9	Si
331	7196	-19359	-91893	SLE QP 2	-45.8	Si
360	4194	-20785	-91763	SLE QP 2	-45.8	Si
380	-126601	65030	-68347	SLE QP 2	-44.5	Si
409	-106657	54099	-68216	SLE QP 2	-42.5	Si
438	-86712	43168	-68086	SLE QP 2	-40.5	Si
467	-66768	32236	-67955	SLE QP 2	-38.4	Si
496	-46824	21305	-67825	SLE QP 2	-36.4	Si
525	-26880	10374	-67694	SLE QP 2	-34.4	Si
554	-6935	-557	-67564	SLE QP 2	-32.5	Si
583	13009	-11488	-67433	SLE QP 2	-33.8	Si
612	32953	-22420	-67303	SLE QP 2	-35.6	Si
641	52898	-33351	-67172	SLE QP 2	-37.5	Si
670	72498	-44094	-67044	SLE QP 2	-39.4	Si
690	-66546	48221	-43952	SLE QP 2	-28.5	Si
719	-52507	37355	-43822	SLE QP 2	-26.8	Si
748	-38468	26489	-43691	SLE QP 2	-25	Si
777	-24429	15623	-43561	SLE QP 2	-23.3	Si
806	-10390	4757	-43430	SLE QP 2	-21.6	Si
835	3649	-6109	-43300	SLE QP 2	-21.3	Si
864	17688	-16975	-43169	SLE QP 2	-22.9	Si
893	31727	-27841	-43039	SLE QP 2	-24.5	Si
922	45766	-38707	-42908	SLE QP 2	-26.1	Si
951	59804	-49572	-42778	SLE QP 2	-27.7	Si
980	73843	-60438	-42647	SLE QP 2	-27.7	Si
1000	-75285	10357	-19410	SLE QP 2	-16.9	Si
1029	-58197	13514	-19303	SLE QP 2	-16.3	Si
1058	-40809	16727	-19194	SLE QP 2	-15.7	Si
1087	-23421	19940	-19086	SLE QP 2	-14.8	Si
1116	-6033	23153	-18977	SLE QP 2	-13.9	Si
1145	11355	26365	-18868	SLE QP 2	-14.5	Si
1174	28743	29578	-18759	SLE QP 2	-16	Si
1203	46132	32791	-18651	SLE QP 2	-17.5	Si
1232	63520	36004	-18542	SLE QP 2	-19	Si
1261	80908	39216	-18433	SLE QP 2	-20.5	Si
1290	97996	42374	-18326	SLE QP 2	-20.8	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

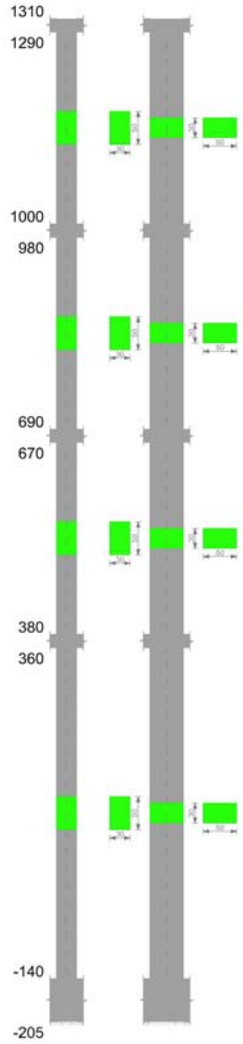
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.

Pilastro 9A

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x50	No	No	No	No		C30/37	B450C	
380	670	R 30x50	No	No	No	No		C30/37	B450C	
690	980	R 30x50	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.67	-19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.67	19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.67	19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.9	-6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.9	6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.9	-6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.9	6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.2	-9.67	-19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.67	-19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.67	19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.67	19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.9	-6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.9	6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.9	-6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.9	6.9	1.6	2.011	-140	380	R 30x50	B450C
p.3	-9.67	-19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	9.67	-19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	9.67	19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.67	19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.9	-6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.9	6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	9.9	-6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	9.9	6.9	1.6	2.011	380	690	R 30x50	B450C
p.4	-9.67	-19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.67	-19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.67	19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.67	19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.9	-6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.9	6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.9	-6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.9	6.9	1.6	2.011	690	1000	R 30x50	B450C
p.5	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.5	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.6	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.6	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.6	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.6	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2.1	0	1,2	-203738	-203738	-75111	-667210	-667210	SLU 52	3.275	Si
-111	16.08	2.1	0	1,2	-203356	-203356	-74970	-667210	-667210	SLU 52	3.281	Si
-81	16.08	1.1	0	2	-202967	-202967	-74826	-667210	-667210	SLU 52	3.287	Si
-52	16.08	1.1	0	2	-202578	-202578	-74683	-667210	-667210	SLU 52	3.294	Si
-22	16.08	1.1	0	2	-202189	202189	-74540	-667210	667210	SLU 52	3.3	Si
7	16.08	1.1	0	2	-201800	201800	-74396	-667210	667210	SLU 52	3.306	Si
36	16.08	1.1	0	2	-201411	201411	-74253	-667210	667210	SLU 52	3.313	Si
66	16.08	1.1	0	2	-201022	201022	-74110	-667210	667210	SLU 52	3.319	Si
95	16.08	1.1	0	2	-200633	200633	-73966	-667210	667210	SLU 52	3.326	Si
125	16.08	1.1	0	2	-200240	200240	-73821	-667210	667210	SLU 52	3.332	Si
154	16.08	1.1	0	2	-199855	199855	-73679	-667210	667210	SLU 52	3.338	Si
184	16.08	1.1	0	2	199466	199466	-73536	667210	667210	SLU 52	3.345	Si
213	16.08	1.1	0	2	199083	199083	-73395	667210	667210	SLU 52	3.351	Si
242	16.08	1.1	0	2	198689	198689	-73249	667210	667210	SLU 52	3.358	Si
272	16.08	1.1	0	2	198300	198300	-73106	667210	667210	SLU 52	3.365	Si
301	16.08	1.1	0	2	197911	197911	-72962	667210	667210	SLU 52	3.371	Si
331	16.08	1.1	0	2	197522	197522	-72819	667210	667210	SLU 52	3.378	Si
360	16.08	1.1	0	2	197139	197139	-72678	667210	667210	SLU 52	3.384	Si
380	16.08	2.1	0	2,3	108851	-301214	-54425	398968	-1104032	SLU 51	3.665	Si
409	16.08	2.1	0	2,3	108568	-246457	-54284	432906	-982724	SLU 51	3.987	Si
438	16.08	1.1	0	3	108285	-191699	-54143	470040	-832118	SLU 51	4.341	Si
467	16.08	1.1	0	3	108003	-136941	-54001	509206	-645643	SLU 51	4.715	Si
496	16.08	1.1	0	3	107728	-107728	-53864	530708	-530708	SLU 49	4.926	Si
525	16.08	1.1	0	3	107445	-107445	-53723	530708	-530708	SLU 49	4.939	Si
554	16.08	1.1	0	3	107163	107163	-53581	530708	530708	SLU 49	4.952	Si
583	16.08	1.1	0	3	106880	106880	-53440	530708	530708	SLU 49	4.965	Si
612	16.08	1.1	0	3	106568	143185	-53284	503009	675842	SLU 52	4.72	Si
641	16.08	1.1	0	3	106286	193442	-53143	466150	848402	SLU 52	4.386	Si
670	16.08	1.1	0	3	-106028	245419	-53014	-429755	994736	SLU 51	4.053	Si
690	16.08	2.1	0	3,4	69702	-190823	-34851	400918	-1097600	SLU 52	5.752	Si
719	16.08	2.1	0	3,4	69419	-154616	-34709	435986	-971069	SLU 52	6.281	Si
748	16.08	1.1	0	4	69136	-118409	-34568	474666	-812959	SLU 52	6.866	Si
777	16.08	1.1	0	4	68853	-82202	-34427	515380	-615298	SLU 52	7.485	Si
806	16.08	1.1	0	4	68592	-68592	-34296	530708	-530708	SLU 49	7.737	Si
835	16.08	1.1	0	4	-68309	-68309	-34155	-530708	-530708	SLU 49	7.769	Si
864	16.08	1.1	0	4	-68026	68026	-34013	-530708	530708	SLU 49	7.801	Si
893	16.08	1.1	0	4	-67744	67744	-33872	-530708	530708	SLU 49	7.834	Si
922	16.08	1.1	0	4	-67440	98833	-33720	-493310	722946	SLU 52	7.315	Si
951	16.08	1.1	0	4	-67565	135040	-33578	-454400	908199	SLU 52	6.725	Si
980	16.08	1.1	0	4	-81761	171247	-33437	-499314	1045801	SLU 52	6.107	Si
1000	16.08	2.1	0	4,5,6	44218	-198772	-15560	321215	-1443951	SLU 51	7.264	Si
1029	16.08	2.1	0	4,5,6	33922	-152080	-15421	309007	-1385365	SLU 51	9.109	Si
1058	16.08	1.1	0	5,6	30559	-104569	-15280	358230	-1225801	SLU 51	11.722	Si
1087	16.08	1.1	0	5,6	30277	-57057	-15138	461215	-869177	SLU 51	15.233	Si
1116	16.08	1.1	0	5,6	30017	-30017	-15008	530708	-530708	SLU 49	17.68	Si
1145	16.08	1.1	0	5,6	-29731	38215	-14866	-507751	652637	SLU 50	17.078	Si
1174	16.08	1.1	0	5,6	-29448	85593	-14724	-389820	1133025	SLU 50	13.237	Si
1203	16.08	1.1	0	5,6	-30973	132971	-14583	-316047	1356810	SLU 50	10.204	Si
1232	16.08	1.1	0	5,6	-40986	180536	-14430	-326628	1438730	SLU 52	7.969	Si
1261	16.08	1.1	0	5,6	-51398	227987	-14289	-319412	1416826	SLU 52	6.214	Si
1290	22.11	2.1	0	5,6	-61809	275438	-14147	-359324	1601237	SLU 52	5.813	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	16.08	2.1	0	1,2	560535	249342	-40686	-2.02	1.92	1273797	566620	SLV 5	2.272				Si
-111	16.08	2.1	0	1,2	520540	231877	-40577	-2.02	1.92	1276754	568736	SLV 5	2.453				Si
-81	16.08	1.1	0	2	479883	214112	-40467	-2.02	1.92	1276381	569489	SLV 5	2.66				Si
-52	16.08	1.1	0	2	439267	196349	-40357	-2.02	1.92	1270447	567880	SLV 5	2.892				Si
-22	16.08	1.1	0	2	398707	178590	-40246	-2.02	1.92	1257531	563275	SLV 5	3.154				Si
7	16.08	1.1	0	2	358218	160835	-40136	-2.02	1.92	1234649	554341	SLV 5	3.447				Si
36	16.08	1.1	0	2	317825	143088	-40026	-2.02	1.92	1197764	539245	SLV 5	3.769				Si
66	16.08	1.1	0	2	277587	125355	-39915	-2.02	1.92	1144758	516960	SLV 5	4.124				Si
95	16.08	1.1	0	2	-250743	-17860	-49799	-2.02	1.92	-1122028	-79918	SLV 11	4.475				Si
125	16.08	1.1	0	2	-207038	1187	-49688	-2.02	1.92	-998785	5726	SLV 11	4.824				Si
154	16.08	1.1	0	2	-164884	19638	-49579	-2.02	1.92	-819459	97599	SLV 11	4.97				Si
184	16.08	1.1	0	2	-123615	42000	-49468	-2.02	1.92	-625259	212440	SLV 11	5.058				Si
213	16.08	1.1	0	2	-66701	65698	-50734	-2.02	1.92	-338741	333652	SLV 15	5.079				Si
242	16.08	1.1	0	2	-45914	92320	-50622	-2.02	1.92	-226473	455374	SLV 15	4.933				Si
272	16.08	1.1	0	2	-22701	119514	-50512	-2.02	1.92	-108592	571717	SLV 15	4.784				Si
301	16.08	1.1	0	2	-6163	146880	-50401	-2.02	1.92	-28380	676393	SLV 15	4.605				Si
331	16.08	1.1	0	2	-7138	174303	-50291	-2.02	1.92	-31269	763555	SLV 15	4.381				Si
360	16.08	1.1	0	2	-10038	201284	-50183	-2.02	1.92	-41899	840173	SLV 15	4.174				Si
380	16.08	2.1	0	2,3	-64817	-337344	-37453	-2.02	1.92	-215619	-1122203	SLV 15	3.327				Si
409	16.08	2.1	0	2,3	-52626	-273295	-37344	-2.02	1.92	-207984	-1080099	SLV 15	3.952				Si
438	16.08	1.1	0	3	-42597	-209349	-37235	-2.02	1.92	-200168	-983761	SLV 15	4.699				Si
467	16.08	1.1	0	3	-36194	-145661	-37126	-2.02	1.92	-199908	-804509	SLV 15	5.523				Si
496	16.08	1.1	0	3	-2232	-83035	-37018	-2.02	1.92	-14993	-557806	SLV 15	6.718				Si
525	16.08	1.1	0	3	80097	-20882	-35961	-2.02	1.92	580358	-151307	SLV 11	7.246				Si
554	16.08	1.1	0	3	69791	51386	-36800	-2.02	1.92	468095	344653	SLV 15	6.707				Si
583	16.08	1.1	0	3	80741	114143	-36691	-2.02	1.92	459425	649488	SLV 15	5.69				Si
612	16.08	1.1	0	3	93440	177855	-36583	-2.02	1.92	451317	859047	SLV 15	4.83				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
641	16.08	1.1	0	3	107188	241811	-36474	-2.02	1.92	434488	980182	SLV 15	4.054				Si
670	16.08	1.1	0	3	121339	304759	-36367	-2.02	1.92	413063	1037462	SLV 15	3.404				Si
690	16.08	2.1	0	3,4	44996	-261025	-23494	-2.02	1.92	197994	-1148570	SLV 15	4.4				Si
719	16.08	2.1	0	3,4	39466	-211363	-23386	-2.02	1.92	210020	-1124783	SLV 15	5.322				Si
748	16.08	1.1	0	4	34447	-161823	-23277	-2.02	1.92	225492	-1059293	SLV 15	6.546				Si
777	16.08	1.1	0	4	29841	-112567	-23168	-2.02	1.92	240176	-905992	SLV 15	8.048				Si
806	16.08	1.1	0	4	34961	-64259	-23059	-2.02	1.92	335716	-617052	SLV 15	9.603				Si
835	16.08	1.1	0	4	48981	-15658	-22951	-2.02	1.92	554489	-177262	SLV 15	11.321				Si
864	16.08	1.1	0	4	48390	42691	-22842	-2.02	1.92	494674	436418	SLV 15	10.223				Si
893	16.08	1.1	0	4	50950	91303	-22733	-2.02	1.92	432362	774792	SLV 15	8.486				Si
922	16.08	1.1	0	4	55635	140279	-22624	-2.02	1.92	386302	974032	SLV 15	6.944				Si
951	16.08	1.1	0	4	61736	189721	-22516	-2.02	1.92	346310	1064241	SLV 15	5.61				Si
980	16.08	1.1	0	4	68800	239337	-22407	-2.02	1.92	315119	1096211	SLV 15	4.58				Si
1000	16.08	2.1	0	4,5,6	49976	-253574	-9909	-2.02	1.92	197618	-1002702	SLV 15	3.954				Si
1029	16.08	2.1	0	4,5,6	42277	-193702	-9802	-2.02	1.92	244565	-1120542	SLV 15	5.785				Si
1058	16.08	1.1	0	5,6	54580	-132897	-9694	-2.02	1.92	425775	-1036714	SLV 15	7.801				Si
1087	16.08	1.1	0	5,6	47499	-72574	-9585	-2.02	1.92	615852	-940956	SLV 15	12.966				Si
1116	16.08	1.1	0	5,6	53535	-11217	-9261	-2.02	1.92	1169233	-244986	SLV 11	21.84				Si
1145	16.08	1.1	0	5,6	44299	52470	-9367	-2.02	1.92	707789	838342	SLV 15	15.977				Si
1174	16.08	1.1	0	5,6	47709	112709	-9259	-2.02	1.92	438495	1035910	SLV 15	9.191				Si
1203	16.08	1.1	0	5,6	53231	173501	-9150	-2.02	1.92	329421	1073724	SLV 15	6.189				Si
1232	16.08	1.1	0	5,6	60113	234420	-9041	-2.02	1.92	247993	967086	SLV 15	4.125				Si
1261	16.08	1.1	0	5,6	67859	295388	-8932	-2.02	1.92	203445	885589	SLV 15	2.998				Si
1290	22.11	2.1	0	5,6	-49640	356381	-8824	-2.02	1.92	-156524	1123735	SLV 15	3.153				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2.1	0	1,2	208499	122215	-43734	903072	529350	SLD 5	4.331	Si
-111	16.08	2.1	0	1,2	193638	115707	-43625	864589	516627	SLD 5	4.465	Si
-81	16.08	1.1	0	2	178539	109087	-43515	822104	502303	SLD 5	4.605	Si
-52	16.08	1.1	0	2	163464	102468	-43405	776291	486622	SLD 5	4.749	Si
-22	16.08	1.1	0	2	148423	95851	-43294	727106	469565	SLD 5	4.899	Si
7	16.08	1.1	0	2	133424	89237	-43184	674559	451162	SLD 5	5.056	Si
36	16.08	1.1	0	2	118483	82627	-43074	618710	431471	SLD 5	5.222	Si
66	16.08	1.1	0	2	103636	76024	-42964	559493	410426	SLD 5	5.399	Si
95	16.08	1.1	0	2	88920	69434	-42853	496694	387848	SLD 5	5.586	Si
125	16.08	1.1	0	2	-83819	28196	-46640	-480664	161693	SLD 11	5.735	Si
154	16.08	1.1	0	2	-49268	31298	-47065	-284489	180722	SLD 15	5.774	Si
184	16.08	1.1	0	2	-37221	42240	-46955	-215430	244480	SLD 15	5.788	Si
213	16.08	1.1	0	2	-26413	55136	-46846	-153229	319861	SLD 15	5.801	Si
242	16.08	1.1	0	2	-18360	65851	-46735	-105144	377124	SLD 15	5.727	Si
272	16.08	1.1	0	2	-8008	76892	-46624	-45252	434494	SLD 15	5.651	Si
301	16.08	1.1	0	2	401	88024	-46514	2230	489259	SLD 15	5.558	Si
331	16.08	1.1	0	2	46409	83245	-45869	251527	451168	SLD 11	5.42	Si
360	16.08	1.1	0	2	59657	90921	-45760	314036	478607	SLD 11	5.264	Si
380	16.08	2.1	0	2,3	-20467	-241198	-34645	-92977	-1095713	SLD 15	4.543	Si
409	16.08	2.1	0	2,3	-16330	-196342	-34536	-84327	-1013885	SLD 15	5.164	Si
438	16.08	1.1	0	3	-13107	-151550	-34428	-76553	-885128	SLD 15	5.841	Si
467	16.08	1.1	0	3	-11251	-106915	-34319	-74059	-703793	SLD 15	6.583	Si
496	16.08	1.1	0	3	4793	-62905	-34210	36222	-475338	SLD 15	7.556	Si
525	16.08	1.1	0	3	35169	-19972	-34101	280275	-159163	SLD 15	7.969	Si
554	16.08	1.1	0	3	37525	30583	-33993	299854	244388	SLD 15	7.991	Si
583	16.08	1.1	0	3	41059	74707	-33884	287136	522449	SLD 15	6.993	Si
612	16.08	1.1	0	3	45377	119364	-33775	280737	738477	SLD 15	6.187	Si
641	16.08	1.1	0	3	50207	164165	-33666	275356	900351	SLD 15	5.484	Si
670	16.08	1.1	0	3	55284	208250	-33560	267451	1007474	SLD 15	4.838	Si
690	16.08	2.1	0	3,4	30366	-170452	-21807	196225	-1101474	SLD 15	6.462	Si
719	16.08	2.1	0	3,4	25129	-137962	-21698	189064	-1038003	SLD 15	7.524	Si
748	16.08	1.1	0	4	20055	-105545	-21589	175306	-922572	SLD 15	8.741	Si
777	16.08	1.1	0	4	15104	-73295	-21481	152432	-739675	SLD 15	10.092	Si
806	16.08	1.1	0	4	14899	-41577	-21372	173727	-484787	SLD 15	11.66	Si
835	16.08	1.1	0	4	18756	-9453	-21263	239723	-120818	SLD 15	12.781	Si
864	16.08	1.1	0	4	14946	28073	-21154	187699	352542	SLD 15	12.558	Si
893	16.08	1.1	0	4	12394	59796	-21046	135125	651933	SLD 15	10.903	Si
922	16.08	1.1	0	4	10770	91884	-20937	103043	879135	SLD 15	9.568	Si
951	16.08	1.1	0	4	9804	124242	-20828	81777	1036322	SLD 15	8.341	Si
980	16.08	1.1	0	4	9305	156704	-20719	67089	1129785	SLD 15	7.21	Si
1000	16.08	2.1	0	4,5,6	32848	-169124	-9221	221089	-1138331	SLD 15	6.731	Si
1029	16.08	2.1	0	4,5,6	26694	-129956	-9114	233243	-1135494	SLD 15	8.738	Si
1058	16.08	1.1	0	5,6	30450	-90169	-9005	362493	-1073404	SLD 15	11.904	Si
1087	16.08	1.1	0	5,6	23932	-50650	-8897	438301	-927640	SLD 15	18.315	Si
1116	16.08	1.1	0	5,6	22516	-10254	-8704	625749	-284981	SLD 11	27.791	Si
1145	16.08	1.1	0	5,6	15273	30957	-8679	360305	730286	SLD 15	23.59	Si
1174	16.08	1.1	0	5,6	13467	70394	-8570	211874	1107484	SLD 15	15.733	Si
1203	16.08	1.1	0	5,6	12867	110167	-8462	137836	1180163	SLD 15	10.712	Si
1232	16.08	1.1	0	5,6	13059	150018	-8353	104629	1201942	SLD 15	8.012	Si
1261	16.08	1.1	0	5,6	13745	189899	-8244	80985	1118876	SLD 15	5.892	Si
1290	22.11	2.1	0	5,6	-36213	229794	-8135	-197708	1254595	SLD 15	5.46	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	637	-56362	SLU 33	12805	41434	42712	2.35	65.05	554	-59787	SLU 41	12600	39534	44472	2.5	71.4	Si
-111	4X/2Y Ø8/10	637	-56221	SLU 33	12805	41434	42693	2.35	65.05	554	-59646	SLU 41	12600	39534	44452	2.5	71.4	Si
-81	4X/2Y Ø8/10	637	-56078	SLU 33	12805	41434	42673	2.35	65.05	554	-59502	SLU 41	12600	39534	44432	2.5	71.4	Si
-52	4X/2Y Ø8/10	637	-55934	SLU 33	12805	41434	42654	2.35	65.05	554	-59359	SLU 41	12600	39534	44412	2.5	71.4	Si
-22	4X/2Y Ø8/15	637	-55791	SLU 33	12805	29386	40805	2.5	46.13	554	-59215	SLU 41	12600	26356	44392	2.5	47.6	Si
7	4X/2Y Ø8/15	637	-55648	SLU 33	12805	29386	40787	2.5	46.13	554	-59072	SLU 41	12600	26356	44372	2.5	47.6	Si
36	4X/2Y Ø8/15	637	-55504	SLU 33	12805	29386	40768	2.5	46.13	554	-58929	SLU 41	12600	26356	44353	2.5	47.6	Si
66	4X/2Y Ø8/15	637	-55361	SLU 33	12805	29386	40750	2.5	46.13	554	-58785	SLU 41	12600	26356	44333	2.5	47.6	Si
95	4X/2Y Ø8/15	637	-55217	SLU 33	12805	29386	40731	2.5	46.13	554	-58642	SLU 41	12600	26356	44313	2.5	47.6	Si
125	4X/2Y Ø8/15	637	-55073	SLU 33	12805	29386	40712	2.5	46.13	554	-58497	SLU 41	12600	26356	44293	2.5	47.6	Si
154	4X/2Y Ø8/15	637	-54931	SLU 33	12805	29386	40694	2.5	46.13	554	-58355	SLU 41	12600	26356	44273	2.5	47.6	Si
184	4X/2Y Ø8/15	637	-54787	SLU 33	12805	29386	40676	2.5	46.13	554	-58212	SLU 41	12600	26356	44253	2.5	47.6	Si
213	4X/2Y Ø8/15	637	-54646	SLU 33	12805	29386	40658	2.5	46.13	554	-58071	SLU 41	12600	26356	44234	2.5	47.6	Si
242	4X/2Y Ø8/10	637	-54500	SLU 33	12805	41434	42461	2.35	65.05	554	-57925	SLU 41	12600	39534	44213	2.5	71.4	Si
272	4X/2Y Ø8/10	637	-54357	SLU 33	12805	41434	42442	2.35	65.05	554	-57782	SLU 41	12600	39534	44194	2.5	71.4	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
301	4X/2Y Ø8/10	637	-54214	SLU 33	12805	41434	42423	2.35	65.05	554	-57638	SLU 41	12600	39534	44174	2.5	71.4	Si
331	4X/2Y Ø8/10	637	-54070	SLU 33	12805	41434	42403	2.35	65.05	554	-57495	SLU 41	12600	39534	44154	2.5	71.4	Si
360	4X/2Y Ø8/10	637	-53929	SLU 33	12805	41434	42384	2.35	65.05	554	-57354	SLU 41	12600	39534	44134	2.5	71.4	Si
380	4X/2Y Ø8/10	1888	-54425	SLU 51	12805	41434	42451	2.35	21.94	-414	-40735	SLU 32	11063	39534	41831	2.5	95.41	Si
409	4X/2Y Ø8/10	1888	-54284	SLU 51	12805	41434	42432	2.35	21.94	-414	-40594	SLU 32	11044	39534	41811	2.5	95.41	Si
438	4X/2Y Ø8/10	1888	-54143	SLU 51	12805	41434	42413	2.35	21.94	-414	-40453	SLU 32	11025	39534	41792	2.5	95.41	Si
467	4X/2Y Ø8/14.4	1888	-54001	SLU 51	12805	30516	40575	2.5	16.16	-414	-40311	SLU 32	11006	27370	41772	2.5	66.06	Si
496	4X/2Y Ø8/14.4	1888	-53860	SLU 51	12805	30516	40556	2.5	16.16	-414	-40170	SLU 32	10987	27370	41752	2.5	66.06	Si
525	4X/2Y Ø8/14.4	1888	-53719	SLU 51	12805	30516	40538	2.5	16.16	-414	-40028	SLU 32	10968	27370	41733	2.5	66.06	Si
554	4X/2Y Ø8/14.4	1888	-53577	SLU 51	12805	30516	40520	2.5	16.16	-414	-39887	SLU 32	10949	27370	41713	2.5	66.06	Si
583	4X/2Y Ø8/14.4	1888	-53436	SLU 51	12805	30516	40502	2.5	16.16	-414	-39746	SLU 32	10930	27370	41694	2.5	66.06	Si
612	4X/2Y Ø8/10	1888	-53294	SLU 51	12805	41434	42299	2.35	21.94	-414	-39604	SLU 32	10912	39534	41674	2.5	95.41	Si
641	4X/2Y Ø8/10	1888	-53153	SLU 51	12805	41434	42280	2.35	21.94	-414	-39463	SLU 32	10893	39534	41654	2.5	95.41	Si
670	4X/2Y Ø8/10	1888	-53014	SLU 51	12805	41434	42261	2.35	21.94	-414	-39324	SLU 32	10874	39534	41635	2.5	95.41	Si
690	4X/2Y Ø8/10	1249	-34851	SLU 52	10644	39671	41015	2.25	31.77	-490	-34851	SLU 52	10275	39534	41015	2.5	80.76	Si
719	4X/2Y Ø8/10	1249	-34709	SLU 52	10627	39671	40996	2.25	31.77	-490	-34709	SLU 52	10256	39534	40995	2.5	80.76	Si
748	4X/2Y Ø8/10	1249	-34568	SLU 52	10609	39671	40976	2.25	31.77	-490	-34568	SLU 52	10237	39534	40976	2.5	80.76	Si
777	4X/2Y Ø8/14.4	1249	-34427	SLU 52	10591	30516	38053	2.5	24.44	-490	-34427	SLU 52	10218	27370	40956	2.5	55.91	Si
806	4X/2Y Ø8/14.4	1249	-34285	SLU 52	10574	30516	38035	2.5	24.44	-490	-34285	SLU 52	10199	27370	40937	2.5	55.91	Si
835	4X/2Y Ø8/14.4	1249	-34144	SLU 52	10556	30516	38017	2.5	24.44	-490	-34144	SLU 52	10180	27370	40917	2.5	55.91	Si
864	4X/2Y Ø8/14.4	1249	-34003	SLU 52	10539	30516	37999	2.5	24.44	-490	-34003	SLU 52	10161	27370	40897	2.5	55.91	Si
893	4X/2Y Ø8/14.4	1249	-33861	SLU 52	10521	30516	37981	2.5	24.44	-490	-33861	SLU 52	10142	27370	40878	2.5	55.91	Si
922	4X/2Y Ø8/10	1249	-33720	SLU 52	10503	39671	40858	2.25	31.77	-490	-33720	SLU 52	10123	39534	40858	2.5	80.76	Si
951	4X/2Y Ø8/10	1249	-33578	SLU 52	10486	39671	40839	2.25	31.77	-490	-33578	SLU 52	10104	39534	40839	2.5	80.76	Si
980	4X/2Y Ø8/10	1249	-33437	SLU 52	10468	39671	40819	2.25	31.77	-490	-33437	SLU 52	10085	39534	40819	2.5	80.76	Si
1000	4X/2Y Ø8/10	1638	-15560	SLU 51	8243	38789	38917	2.2	23.68	-361	-15560	SLU 51	7690	38743	38902	2.45	107.24	Si
1029	4X/2Y Ø8/10	1638	-15421	SLU 51	8225	38789	38898	2.2	23.68	-361	-15421	SLU 51	7671	38743	38883	2.45	107.24	Si
1058	4X/2Y Ø8/10	1638	-15280	SLU 51	8208	38789	38878	2.2	23.68	-361	-15280	SLU 51	7652	38743	38863	2.45	107.24	Si
1087	4X/2Y Ø8/14.4	1638	-15138	SLU 51	8190	30516	35569	2.5	18.63	-361	-15138	SLU 51	7633	27370	38282	2.5	75.76	Si
1116	4X/2Y Ø8/14.4	1638	-14997	SLU 51	8172	30516	35551	2.5	18.63	-361	-14997	SLU 51	7614	27370	38263	2.5	75.76	Si
1145	4X/2Y Ø8/14.4	1638	-14856	SLU 51	8155	30516	35533	2.5	18.63	-361	-14856	SLU 51	7595	27370	38243	2.5	75.76	Si
1174	4X/2Y Ø8/14.4	1638	-14714	SLU 51	8137	30516	35515	2.5	18.63	-361	-14714	SLU 51	7576	27370	38224	2.5	75.76	Si
1203	4X/2Y Ø8/14.4	1638	-14573	SLU 51	8120	30516	35496	2.5	18.63	-361	-14573	SLU 51	7557	27370	38204	2.5	75.76	Si
1232	4X/2Y Ø8/10	1638	-14431	SLU 51	8102	37907	39343	2.15	23.14	-359	-14430	SLU 52	7538	37953	39314	2.4	105.71	Si
1261	4X/2Y Ø8/10	1638	-14290	SLU 51	8084	37907	39323	2.15	23.14	-361	-14290	SLU 51	7519	37953	39294	2.4	105.05	Si
1290	4X/2Y Ø8/10	1638	-14149	SLU 51	8067	37907	39303	2.15	23.14	-361	-14149	SLU 51	7501	37953	39274	2.4	105.05	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	935	-52054	SLV 15	12786	41434	42132	2.35	44.33	1512	-50680	SLV 11	12396	39534	43209	2.5	26.15	Si
-111	4X/2Y Ø8/10	935	-51945	SLV 15	12773	41434	42117	2.35	44.33	1512	-50571	SLV 11	12381	39534	43194	2.5	26.15	Si
-81	4X/2Y Ø8/10	935	-51835	SLV 15	12759	41434	42103	2.35	44.33	1512	-50461	SLV 11	12366	39534	43179	2.5	26.15	Si
-52	4X/2Y Ø8/10	935	-51725	SLV 15	12745	41434	42088	2.35	44.33	1512	-50351	SLV 11	12351	39534	43164	2.5	26.15	Si
-22	4X/2Y Ø8/15	935	-51614	SLV 15	12731	29386	40267	2.5	31.44	1512	-50240	SLV 11	12337	26356	43148	2.5	17.43	Si
7	4X/2Y Ø8/15	935	-51504	SLV 15	12718	29386	40253	2.5	31.44	1512	-50130	SLV 11	12322	26356	43133	2.5	17.43	Si
36	4X/2Y Ø8/15	935	-51394	SLV 15	12704	29386	40239	2.5	31.44	1512	-50020	SLV 11	12307	26356	43118	2.5	17.43	Si
66	4X/2Y Ø8/15	935	-51284	SLV 15	12690	29386	40224	2.5	31.44	1512	-49909	SLV 11	12292	26356	43102	2.5	17.43	Si
95	4X/2Y Ø8/15	935	-51173	SLV 15	12676	29386	40210	2.5	31.44	1512	-49799	SLV 11	12278	26356	43087	2.5	17.43	Si
125	4X/2Y Ø8/15	935	-51062	SLV 15	12663	29386	40196	2.5	31.44	1512	-49688	SLV 11	12263	26356	43072	2.5	17.43	Si
154	4X/2Y Ø8/15	935	-50953	SLV 15	12649	29386	40182	2.5	31.44	1512	-49579	SLV 11	12248	26356	43057	2.5	17.43	Si
184	4X/2Y Ø8/15	935	-50842	SLV 15	12635	29386	40168	2.5	31.44	1512	-49468	SLV 11	12233	26356	43041	2.5	17.43	Si
213	4X/2Y Ø8/15	935	-50734	SLV 15	12622	29386	40154	2.5	31.44	1512	-49360	SLV 11	12219	26356	43026	2.5	17.43	Si
242	4X/2Y Ø8/10	935	-50622	SLV 15	12608	41434	41939	2.35	44.33	1512	-49248	SLV 11	12204	39534	43011	2.5	26.15	Si
272	4X/2Y Ø8/10	935	-50512	SLV 15	12594	41434	41924	2.35	44.33	1512	-49137	SLV 11	12189	39534	42995	2.5	26.15	Si
301	4X/2Y Ø8/10	935	-50401	SLV 15	12580	41434	41910	2.35	44.33	1512	-49027	SLV 11	12174	39534	42980	2.5	26.15	Si
331	4X/2Y Ø8/10	935	-50291	SLV 15	12567	41434	41895	2.35	44.33	1512	-48917	SLV 11	12159	39534	42965	2.5	26.15	Si
360	4X/2Y Ø8/10	935	-50183	SLV 15	12553	41434	41880	2.35	44.33	1512	-48808	SLV 11	12145	39534	42950	2.5	26.15	Si
380	4X/2Y Ø8/10	2214	-37453	SLV 15	10968	40552	40766	2.3	18.32	-749	-29190	SLV 5	9516	39534	40230	2.5	52.79	Si
409	4X/2Y Ø8/10	2214	-37344	SLV 15	10955	40552	40751	2.3	18.32	-749	-29081	SLV 5	9501	39534	40215	2.5	52.79	Si
438	4X/2Y Ø8/10	2214	-37235	SLV 15	10941	40552	40736	2.3	18.32	-749	-28973	SLV 5	9487	39534	40200	2.5	52.79	Si
467	4X/2Y Ø8/14.4	2214	-37126	SLV 15	10928	30516	38401	2.5	13.78	-749	-28864	SLV 5	9472	27370	40185	2.5	36.54	Si
496	4X/2Y Ø8/14.4	2214	-37018	SLV 15	10914	30516	38387	2.5	13.78	-749	-28755	SLV 5	9458	27370	40170	2.5	36.54	Si
525	4X/2Y Ø8/14.4	2214	-36909	SLV 15	10901	30516	38373	2.5	13.78	-749	-28646	SLV 5	9443	27370	40155	2.5	36.54	Si
554	4X/2Y Ø8/14.4	2214	-36800	SLV 15	10887	30516	38359	2.5	13.78	-749	-28538	SLV 5	9429	27370	40140	2.5	36.54	Si
583	4X/2Y Ø8/14.4	2214	-36691	SLV 15	10873	30516	38345	2.5	13.78	-749	-28429	SLV 5	9414	27370	40125	2.5	36.54	Si
612	4X/2Y Ø8/10	2214	-36583	SLV 15	10860	40552	40647	2.3	18.32	-749	-28320	SLV 5	9399	39534	40110	2.5	52.79	Si
641	4X/2Y Ø8/10	2214	-36474	SLV 15	10846	40552	40632	2.3	18.32	-749	-28211	SLV 5	9385	39534	40095	2.5	52.79	Si
670	4X/2Y Ø8/10	2214	-36367	SLV 15	10833	40552	40617	2.3	18.32	-749	-28104	SLV 5	9371	39534	40080	2.5	52.79	Si
690	4X/2Y Ø8/10	1719	-23494	SLV 15	9230	38789	40034	2.2	22.56	-966	-19904	SLV 9	8272	38743	39513	2.45	40.09	Si
719	4X/2Y Ø8/10	1719	-23386	SLV 15	9217	38789	40019	2.2	22.56	-966	-19795	SLV 9	8257	38743	39498	2.45	40.09	Si
748	4X/2Y Ø8/10	1719	-23277	SLV 15	9203	38789	40003	2.2	22.56	-966	-19686	SLV 9	8243	38743	39483	2.45	40.09	Si
777	4X/2Y Ø8/14.4	1719	-23168	SLV 15	9190	30516	36603	2.5	17.75	-966	-19577	SLV 9	8228	27370	38898	2.5	28.32	Si
806	4X/2Y Ø8/14.4	1719	-23059	SLV 15	9176	30516	36589	2.5	17.75	-966	-19469	SLV 9	8213	27370	38883	2.5	28.32	Si
835	4X/2Y Ø8/14.4	1719	-22951	SLV 15	9163	30516	36575	2.5	17.75	-966	-19360	SLV 9	8199	27370	38868	2.5	28.32	Si
864	4X/2Y Ø8/14.4	1719	-22842	SLV 15	9149	30516	36561	2.5	17.75	-966	-19251	SLV 9	8184	27370	38853	2.5	28.32	Si
893	4X/2Y Ø8/14.4	1719	-22733	SLV 15	9136	30516	36547	2.5	17.75	-966	-19142	SLV 9	8170	27370	38838	2.5	28.32	Si
922	4X/2Y Ø8/10	1719	-22624	SLV 15	9122	38789	39911	2.2	22.56	-966	-19034	SLV 9	8155	38743	39391	2.45	40.09	Si
951	4X/2Y Ø8/10	1719	-22516	SLV 15	9109	38789	39896	2.2	22.56	-966	-18925	SLV 9	8141	38743	39375	2.45	40.09	Si
980	4X/2Y Ø8/10	1719	-22407	SLV 15	9095	38789	39881	2.2	22.56	-966	-18816	SLV 9	8126	38743	39360	2.45	40.09	Si
1000	4X/2Y Ø8/10	2105	-9909	SLV 15	7539	37907	38697	2.15	18.01	-825	-8424	SLV 9	6733	37953	38457	2.4	46.03	Si
1029	4X/2Y Ø8/10	2105	-9802	SLV 15	7526	37907	38682	2.15	18.01	-825	-8317	SLV 9	6719	37953	38442	2.4	46.03	Si
1058	4X/2Y Ø8/10	2105	-9694	SLV 15	7512	37907	38666	2.15	18.01	-825	-8208	SLV 9	6705	37953	38426	2.4	46.03	Si
1087	4X/2Y Ø8/14.4	2105	-9585	SLV 15	7499	30516	34854	2.5	14.5	-825	-8099	SLV 9	6690	27370	37307	2.5	33.2	Si
1116	4X/2Y Ø8/14.4	2105	-9476	SLV 15	7485	30516	34840	2.5	14.5	-825	-7990	SLV 9	6675	27370	37292	2.5	33.2	Si
1145	4X/2Y Ø8/14.4	2105	-9367	SLV 15	7472	30516	34826	2.5	14.5	-825	-7882	SLV 9	6661	27370	37277	2.5	33.2	Si
1174	4X/2Y Ø8/14.4	2105	-9259	SLV 15	7458	30516	34812	2.5	14.5	-825	-7773	SLV 9	6646	27370	37262	2.5	33.2	Si
1203	4X/2Y Ø8/14.4	2105	-9150	SLV 15	7445	30516	34798	2.5	14.5	-825	-7664	SLV 9	6632	27370	37246	2.5	33.2	Si
1232	4X/2Y Ø8/10	2105	-9041	SLV 15	7431	37907	38573	2.15	18.01	-825	-7555	SLV 9	6617	37953	38333	2.4	46.03	Si
1261	4X/2Y Ø8/10	2105	-8932	SLV 15	7417	37907	38558	2.15	18.01	-825	-7447	SLV 9	6602	37953	38317	2.4	46.03	Si
1290	4X/2Y Ø8/10	2105	-8824	SLV 15	7404	37907	38542	2.15	18.01	-825	-7338	SLV 9	6588	37953	38302	2.4	46.03	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	381	-48166	SLD 15	12302	44078	39823	2.5	104.54	640	-47632	SLD 11	11987	39534	42787	2.5	61.79	Si
-111	4X/2Y Ø8/10	381	-48058	SLD 15	12289	44078	39809	2.5	104.51	640	-47523	SLD 11	11973	39534	42772	2.5	61.79	Si
-81	4X/2Y Ø8/10	381	-47948	SLD 15	12275	44078	39795	2.5	104.47	640	-47413	SLD 11	11958	39534	42756	2.5	61.79	Si
-52	4X/2Y Ø8/10	381	-47837	SLD 15	12261	44078	39781	2.5	104.43	640	-47303	SLD 11	11943	39534	42741	2.5	61.79	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-22	4X/2Y Ø8/15	381	-47727	SLD 15	12247	29386	39766	2.5	77.14	640	-47192	SLD 11	11928	26356	42726	2.5	41.19	Si
7	4X/2Y Ø8/15	381	-47617	SLD 15	12234	29386	39752	2.5	77.14	640	-47082	SLD 11	11913	26356	42710	2.5	41.19	Si
36	4X/2Y Ø8/15	381	-47507	SLD 15	12220	29386	39738	2.5	77.14	640	-46972	SLD 11	11899	26356	42695	2.5	41.19	Si
66	4X/2Y Ø8/15	381	-47396	SLD 15	12206	29386	39724	2.5	77.14	640	-46861	SLD 11	11884	26356	42680	2.5	41.19	Si
95	4X/2Y Ø8/15	381	-47286	SLD 15	12192	29386	39710	2.5	77.14	640	-46751	SLD 11	11869	26356	42665	2.5	41.19	Si
125	4X/2Y Ø8/15	381	-47175	SLD 15	12179	29386	39695	2.5	77.14	640	-46640	SLD 11	11854	26356	42649	2.5	41.19	Si
154	4X/2Y Ø8/15	381	-47065	SLD 15	12165	29386	39681	2.5	77.14	640	-46530	SLD 11	11840	26356	42634	2.5	41.19	Si
184	4X/2Y Ø8/15	381	-46955	SLD 15	12151	29386	39667	2.5	77.14	640	-46420	SLD 11	11825	26356	42619	2.5	41.19	Si
213	4X/2Y Ø8/15	381	-46846	SLD 15	12138	29386	39653	2.5	77.14	640	-46312	SLD 11	11810	26356	42604	2.5	41.19	Si
242	4X/2Y Ø8/10	381	-46735	SLD 15	12124	44078	39639	2.5	104.06	640	-46200	SLD 11	11795	39534	42588	2.5	61.79	Si
272	4X/2Y Ø8/10	381	-46624	SLD 15	12110	44078	39624	2.5	104.02	640	-46089	SLD 11	11780	39534	42573	2.5	61.79	Si
301	4X/2Y Ø8/10	381	-46514	SLD 15	12096	44078	39610	2.5	103.98	640	-45979	SLD 11	11766	39534	42558	2.5	61.79	Si
331	4X/2Y Ø8/10	381	-46404	SLD 15	12083	44078	39596	2.5	103.95	640	-45869	SLD 11	11751	39534	42542	2.5	61.79	Si
360	4X/2Y Ø8/10	381	-46295	SLD 15	12069	44078	39582	2.5	103.91	640	-45760	SLD 11	11736	39534	42527	2.5	61.79	Si
380	4X/2Y Ø8/10	1550	-34645	SLD 15	10619	44078	38082	2.5	24.57	-314	-31419	SLD 5	9815	39534	40539	2.5	125.92	Si
409	4X/2Y Ø8/10	1550	-34536	SLD 15	10605	44078	38068	2.5	24.56	-314	-31310	SLD 5	9800	39534	40524	2.5	125.92	Si
438	4X/2Y Ø8/10	1550	-34428	SLD 15	10592	44078	38054	2.5	24.55	-314	-31201	SLD 5	9786	39534	40509	2.5	125.92	Si
467	4X/2Y Ø8/14.4	1550	-34319	SLD 15	10578	30516	38040	2.5	19.69	-314	-31092	SLD 5	9771	27370	40494	2.5	87.17	Si
496	4X/2Y Ø8/14.4	1550	-34210	SLD 15	10565	30516	38026	2.5	19.69	-314	-30984	SLD 5	9756	27370	40479	2.5	87.17	Si
525	4X/2Y Ø8/14.4	1550	-34101	SLD 15	10551	30516	38012	2.5	19.69	-314	-30875	SLD 5	9742	27370	40464	2.5	87.17	Si
554	4X/2Y Ø8/14.4	1550	-33993	SLD 15	10537	30516	37998	2.5	19.69	-314	-30766	SLD 5	9727	27370	40449	2.5	87.17	Si
583	4X/2Y Ø8/14.4	1550	-33884	SLD 15	10524	30516	37984	2.5	19.69	-314	-30657	SLD 5	9713	27370	40434	2.5	87.17	Si
612	4X/2Y Ø8/10	1550	-33775	SLD 15	10510	44078	37970	2.5	24.5	-314	-30549	SLD 5	9698	39534	40419	2.5	125.92	Si
641	4X/2Y Ø8/10	1550	-33666	SLD 15	10497	44078	37956	2.5	24.49	-314	-30440	SLD 5	9684	39534	40404	2.5	125.92	Si
670	4X/2Y Ø8/10	1550	-33560	SLD 15	10484	44078	37942	2.5	24.48	-314	-30333	SLD 5	9669	39534	40389	2.5	125.92	Si
690	4X/2Y Ø8/10	1124	-21807	SLD 15	9020	44078	36428	2.5	32.4	-492	-20400	SLD 9	8338	39534	39012	2.5	79.29	Si
719	4X/2Y Ø8/10	1124	-21698	SLD 15	9007	44078	36414	2.5	32.38	-492	-20291	SLD 9	8324	39534	38997	2.5	79.26	Si
748	4X/2Y Ø8/10	1124	-21589	SLD 15	8993	44078	36400	2.5	32.37	-492	-20183	SLD 9	8309	39534	38982	2.5	79.23	Si
777	4X/2Y Ø8/14.4	1124	-21481	SLD 15	8980	30516	36386	2.5	27.14	-492	-20074	SLD 9	8295	27370	38967	2.5	55.63	Si
806	4X/2Y Ø8/14.4	1124	-21372	SLD 15	8966	30516	36372	2.5	27.14	-492	-19965	SLD 9	8280	27370	38952	2.5	55.63	Si
835	4X/2Y Ø8/14.4	1124	-21263	SLD 15	8953	30516	36358	2.5	27.14	-492	-19856	SLD 9	8265	27370	38937	2.5	55.63	Si
864	4X/2Y Ø8/14.4	1124	-21154	SLD 15	8939	30516	36344	2.5	27.14	-492	-19748	SLD 9	8251	27370	38921	2.5	55.63	Si
893	4X/2Y Ø8/14.4	1124	-21046	SLD 15	8926	30516	36330	2.5	27.14	-492	-19639	SLD 9	8236	27370	38906	2.5	55.63	Si
922	4X/2Y Ø8/10	1124	-20937	SLD 15	8912	44078	36316	2.5	32.3	-492	-19530	SLD 9	8222	39534	38891	2.5	79.05	Si
951	4X/2Y Ø8/10	1124	-20828	SLD 15	8898	44078	36302	2.5	32.28	-492	-19421	SLD 9	8207	39534	38876	2.5	79.02	Si
980	4X/2Y Ø8/10	1124	-20719	SLD 15	8885	44078	36288	2.5	32.27	-492	-19313	SLD 9	8192	39534	38861	2.5	78.99	Si
1000	4X/2Y Ø8/10	1377	-9221	SLD 15	7453	44078	34807	2.5	25.28	-432	-8638	SLD 9	6762	39534	37381	2.5	86.46	Si
1029	4X/2Y Ø8/10	1377	-9114	SLD 15	7440	44078	34793	2.5	25.27	-432	-8531	SLD 9	6748	39534	37367	2.5	86.42	Si
1058	4X/2Y Ø8/10	1377	-9005	SLD 15	7427	44078	34779	2.5	25.26	-432	-8422	SLD 9	6733	39534	37351	2.5	86.39	Si
1087	4X/2Y Ø8/14.4	1377	-8897	SLD 15	7413	30516	34765	2.5	22.17	-432	-8313	SLD 9	6719	27370	37336	2.5	63.3	Si
1116	4X/2Y Ø8/14.4	1377	-8788	SLD 15	7399	30516	34751	2.5	22.17	-432	-8204	SLD 9	6704	27370	37321	2.5	63.3	Si
1145	4X/2Y Ø8/14.4	1377	-8679	SLD 15	7386	30516	34737	2.5	22.17	-432	-8096	SLD 9	6689	27370	37306	2.5	63.3	Si
1174	4X/2Y Ø8/14.4	1377	-8570	SLD 15	7372	30516	34723	2.5	22.17	-432	-7987	SLD 9	6675	27370	37291	2.5	63.3	Si
1203	4X/2Y Ø8/14.4	1377	-8462	SLD 15	7359	30516	34709	2.5	22.17	-432	-7878	SLD 9	6660	27370	37276	2.5	63.3	Si
1232	4X/2Y Ø8/10	1377	-8353	SLD 15	7345	44078	34695	2.5	25.2	-432	-7769	SLD 9	6646	39534	37261	2.5	86.18	Si
1261	4X/2Y Ø8/10	1377	-8244	SLD 15	7332	44078	34681	2.5	25.19	-432	-7661	SLD 9	6631	39534	37246	2.5	86.14	Si
1290	4X/2Y Ø8/10	1377	-8135	SLD 15	7318	44078	34667	2.5	25.18	-432	-7552	SLD 9	6617	39534	37231	2.5	86.11	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	-92753	-66276	-50039	SLE RA 7	-42.4	-92753	-66276	-50039	SLE RA 7	-576.9	Si
-111	-83665	-53953	-49930	SLE RA 7	-40.4	-83665	-53953	-49930	SLE RA 7	-555.4	Si
-81	-74420	-41417	-49820	SLE RA 7	-38.3	-74420	-41417	-49820	SLE RA 7	-533.6	Si
-52	-65174	-28881	-49710	SLE RA 7	-36.2	-65174	-28881	-49710	SLE RA 7	-511.8	Si
-22	-3195	47526	-52459	SLE RA 10	-35.6	-3195	47526	-52459	SLE RA 10	-505.3	Si
7	-3129	48493	-52349	SLE RA 10	-35.6	-3129	48493	-52349	SLE RA 10	-505.3	Si
36	-3062	49461	-52239	SLE RA 10	-35.7	-3062	49461	-52239	SLE RA 10	-505.4	Si
66	-2996	50429	-52128	SLE RA 10	-35.7	-2996	50429	-52128	SLE RA 10	-505.4	Si
95	-2929	51396	-52018	SLE RA 10	-35.8	-2929	51396	-52018	SLE RA 10	-505.4	Si
125	-6406	50688	-52046	SLE RA 11	-35.9	-6406	50688	-52046	SLE RA 11	-507.7	Si
154	-1328	58557	-51937	SLE RA 11	-36.4	-1328	58557	-51937	SLE RA 11	-511.9	Si
184	3781	66525	-51827	SLE RA 13	-37.4	3781	66525	-51827	SLE RA 13	-520.6	Si
213	8833	74443	-51718	SLE RA 13	-38.5	8833	74443	-51718	SLE RA 13	-532.3	Si
242	27280	96478	-48607	SLE RA 7	-40.5	14039	82602	-51606	SLE RA 13	-544.2	Si
272	36525	109014	-48496	SLE RA 7	-42.4	36525	109014	-48496	SLE RA 7	-563.9	Si
301	45771	121549	-48386	SLE RA 7	-44.4	45771	121549	-48386	SLE RA 7	-583.8	Si
331	55016	134085	-48276	SLE RA 7	-46.3	55016	134085	-48276	SLE RA 7	-603.7	Si
360	64104	146408	-48167	SLE RA 7	-48.3	64104	146408	-48167	SLE RA 7	-623.3	Si
380	33915	-211581	-38422	SLE RA 12	-47.8	33915	-211581	-38422	SLE RA 12	-584.6	Si
409	29980	-173109	-38314	SLE RA 12	-43.2	29980	-173109	-38314	SLE RA 12	-539.4	Si
438	26046	-134637	-38205	SLE RA 12	-38.6	26046	-134637	-38205	SLE RA 12	-494.1	Si
467	22111	-96165	-38096	SLE RA 12	-34	22111	-96165	-38096	SLE RA 12	-448.9	Si
496	18176	-57693	-37987	SLE RA 12	-29.4	18176	-57693	-37987	SLE RA 12	-403.6	Si
525	14181	-19261	-37881	SLE RA 10	-24.9	31816	-6034	-37875	SLE RA 11	-358.4	Si
554	25201	29477	-37763	SLE RA 13	-26.7	25201	29477	-37763	SLE RA 13	-377.2	Si
583	18524	64948	-37654	SLE RA 13	-30.1	18524	64948	-37654	SLE RA 13	-408.8	Si
612	11848	100420	-37546	SLE RA 13	-33.5	11848	100420	-37546	SLE RA 13	-440.4	Si
641	5171	135891	-37437	SLE RA 13	-36.9	5171	135891	-37437	SLE RA 13	-472.8	Si
670	-5363	172476	-37337	SLE RA 12	-40.9	-5363	172476	-37337	SLE RA 12	-512	Si
690	41642	-133956	-24648	SLE RA 13	-31.8	41642	-133956	-24648	SLE RA 13	-389.2	Si
719	31770	-108538	-24539	SLE RA 13	-28.3	31770	-108538	-24539	SLE RA 13	-353.1	Si
748	21898	-83120	-24431	SLE RA 13	-24.7	21898	-83120	-24431	SLE RA 13	-317	Si
777	12027	-57701	-24322	SLE RA 13	-21.2	12027	-57701	-24322	SLE RA 13	-280.9	Si
806	2155	-32283	-24213	SLE RA 13	-17.6	2155	-32283	-24213	SLE RA 13	-244.8	Si
835	-7865	-6882	-24110	SLE RA 11	-15.1	-7865	-6882	-24110	SLE RA 11	-221.4	Si
864	-17695	18797	-24003	SLE RA 10	-17.1	-17695	18797	-24003	SLE RA 10	-241.2	Si
893	-27461	43971	-23887	SLE RA 13	-20.5	-27461	43971	-23887	SLE RA 13	-275	Si
922	-37332	69389	-23778	SLE RA 13	-23.9	-37332	69389	-23778	SLE RA 13	-309.2	Si
951	-47204	94807	-23669	SLE RA 13	-27.3	-47204	94807	-23669	SLE RA 13	-343.4	Si
980	-57076	120225	-23561	SLE RA 13	-30.7	-57076	120225	-23561	SLE RA 13	-377.7	Si
1000	30426	-139903	-11071	SLE RA 12	-23.9	30426	-139903	-11071	SLE RA 12	-269.6	Si
1029	23287	-106977	-10964	SLE RA 12	-19.7	23287	-106977	-10964	SLE RA 12	-227.7	Si
1058	16023	-73474	-10856	SLE RA 12	-15.5	16023	-73474	-10856	SLE RA 12	-185	Si
1087	8759	-39970	-10747	SLE RA 12	-11.2	8759	-39970	-10747	SLE RA 12	-142.4	Si
1116	1495	-6466	-10638	SLE RA 12	-6.9	1495	-6466	-10638	SLE RA 12	-99.8	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1145	-7215	27204	-10536	SLE RA 11	-9.6	-7215	27204	-10536	SLE RA 11	-125.7	Si
1174	-14434	60618	-10427	SLE RA 11	-13.7	-14434	60618	-10427	SLE RA 11	-166.3	Si
1203	-21653	94033	-10319	SLE RA 11	-17.8	-21653	94033	-10319	SLE RA 11	-206.9	Si
1232	-28872	127447	-10210	SLE RA 11	-21.9	-28872	127447	-10210	SLE RA 11	-247.6	Si
1261	-35828	161036	-10094	SLE RA 13	-35.1	-35828	161036	-10094	SLE RA 13	410.1	Si
1290	-43049	194500	-9985	SLE RA 13	-38.2	-43049	194500	-9985	SLE RA 13	474.8	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	-20922	40090	-45683	SLE QP 2	-32.1	Si
-111	-19157	40681	-45574	SLE QP 2	-32	Si
-81	-17361	41283	-45464	SLE QP 2	-31.9	Si
-52	-15566	41885	-45354	SLE QP 2	-31.7	Si
-22	-13771	42487	-45243	SLE QP 2	-31.6	Si
7	-11976	43088	-45133	SLE QP 2	-31.5	Si
36	-10180	43690	-45023	SLE QP 2	-31.4	Si
66	-8385	44292	-44912	SLE QP 2	-31.3	Si
95	-6590	44894	-44802	SLE QP 2	-31.1	Si
125	-4776	45502	-44691	SLE QP 2	-31	Si
154	-2999	46097	-44582	SLE QP 2	-30.9	Si
184	-1204	46699	-44471	SLE QP 2	-30.8	Si
213	565	47292	-44363	SLE QP 2	-30.7	Si
242	2387	47903	-44251	SLE QP 2	-30.9	Si
272	4182	48505	-44140	SLE QP 2	-31	Si
301	5978	49106	-44030	SLE QP 2	-31.1	Si
331	7773	49708	-43920	SLE QP 2	-31.3	Si
360	9538	50300	-43811	SLE QP 2	-31.4	Si
380	13883	-179689	-32847	SLE QP 2	-39.7	Si
409	13319	-147078	-32739	SLE QP 2	-36	Si
438	12755	-114468	-32630	SLE QP 2	-32.3	Si
467	12191	-81857	-32521	SLE QP 2	-28.6	Si
496	11626	-49246	-32412	SLE QP 2	-24.9	Si
525	11062	-16636	-32304	SLE QP 2	-21.1	Si
554	10498	15975	-32195	SLE QP 2	-21	Si
583	9934	48585	-32086	SLE QP 2	-24.5	Si
612	9370	81196	-31977	SLE QP 2	-28	Si
641	8806	113807	-31869	SLE QP 2	-31.5	Si
670	8252	145855	-31762	SLE QP 2	-34.9	Si
690	17903	-112166	-20721	SLE QP 2	-25.5	Si
719	12887	-90596	-20612	SLE QP 2	-22.7	Si
748	7871	-69026	-20504	SLE QP 2	-20	Si
777	2855	-47456	-20395	SLE QP 2	-17.2	Si
806	-2161	-25886	-20286	SLE QP 2	-14.7	Si
835	-7177	-4316	-20177	SLE QP 2	-12.6	Si
864	-12193	17254	-20069	SLE QP 2	-14.3	Si
893	-17209	38824	-19960	SLE QP 2	-16.9	Si
922	-22225	60393	-19851	SLE QP 2	-19.6	Si
951	-27241	81963	-19742	SLE QP 2	-22.3	Si
980	-32257	103533	-19634	SLE QP 2	-24.9	Si
1000	17551	-113833	-8776	SLE QP 2	-18.8	Si
1029	13222	-88015	-8669	SLE QP 2	-15.6	Si
1058	8817	-61745	-8561	SLE QP 2	-12.4	Si
1087	4411	-35475	-8452	SLE QP 2	-9.1	Si
1116	6	-9205	-8343	SLE QP 2	-5.8	Si
1145	-4400	17065	-8234	SLE QP 2	-6.9	Si
1174	-8805	43335	-8126	SLE QP 2	-10.1	Si
1203	-13211	69605	-8017	SLE QP 2	-13.2	Si
1232	-17616	95876	-7908	SLE QP 2	-16.4	Si
1261	-22022	122146	-7799	SLE QP 2	-19.5	Si
1290	-26427	148416	-7691	SLE QP 2	-21.4	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

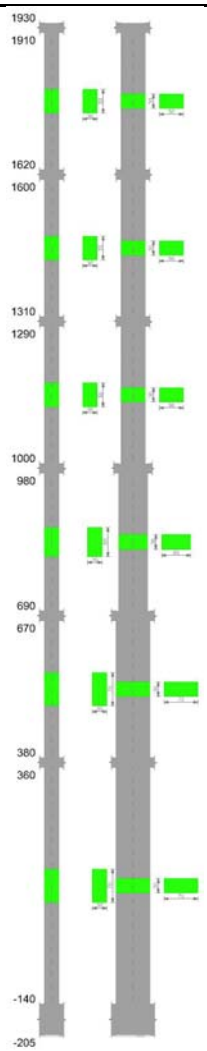
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.

Pilastro 10

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x70	No	No	No	No		C30/37	B450C	
380	670	R 30x70	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	
1620	1910	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.67	-29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.67	29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.67	29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	-18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	-6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	-18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	-6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.2	-9.67	-29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.67	-29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.67	29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.67	29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	-18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	-6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	-18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	-6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	18.42	1.6	2.011	-140	380	R 30x70	B450C
p.3	-9.67	-29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	9.67	-29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	9.67	29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	-9.67	29.67	1.6	2.011	380	690	R 30x70	B450C
p.5	-9.9	-18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	-9.9	18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	9.9	-18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	9.9	18.42	1.6	2.011	380	690	R 30x70	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	-9.9	-6.14	1.6	2.011	380	690	R 30x70	B450C
p.6	-9.9	6.14	1.6	2.011	380	690	R 30x70	B450C
p.6	9.9	-6.14	1.6	2.011	380	690	R 30x70	B450C
p.6	9.9	6.14	1.6	2.011	380	690	R 30x70	B450C
p.7	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.7	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.9	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.9	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.9	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.9	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.10	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.10	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.11	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.12	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.12	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.13	-9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.13	9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.13	9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.13	-9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.14	-9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.14	-9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.14	9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.14	9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	2.3	0	1,2	474679	474679	-174997	967634	967634	SLU 51	2.038	Si
-111	24.13	2.3	0	1,2	474144	474144	-174800	967634	967634	SLU 51	2.041	Si
-81	24.13	1.1	0	2	473600	473600	-174599	967634	967634	SLU 51	2.043	Si
-52	24.13	1.1	0	2	473055	473055	-174398	967634	967634	SLU 51	2.045	Si
-22	24.13	1.1	0	2	472511	472511	-174198	967634	967634	SLU 51	2.048	Si
7	24.13	1.1	0	2	471966	471966	-173997	967634	967634	SLU 51	2.05	Si
36	24.13	1.1	0	2	471422	471422	-173796	967634	967634	SLU 51	2.053	Si
66	24.13	1.1	0	2	470877	470877	-173595	967634	967634	SLU 51	2.055	Si
95	24.13	1.1	0	2	470333	-470333	-173395	967634	-967634	SLU 51	2.057	Si
125	24.13	1.1	0	2	469783	-469783	-173192	967634	-967634	SLU 51	2.06	Si
154	24.13	1.1	0	2	469244	-469244	-172993	967634	-967634	SLU 51	2.062	Si
184	24.13	1.1	0	2	468699	-468699	-172792	967634	-967634	SLU 51	2.065	Si
213	24.13	1.1	0	2	468163	-468163	-172595	967634	-967634	SLU 51	2.067	Si
242	24.13	1.1	0	2	-467610	-467610	-172391	-967634	-967634	SLU 51	2.069	Si
272	24.13	1.1	0	2	-467066	-467066	-172190	-967634	-967634	SLU 51	2.072	Si
301	24.13	1.1	0	2	-466521	-466521	-171989	-967634	-967634	SLU 51	2.074	Si
331	24.13	1.1	0	2	-465977	-465977	-171789	-967634	-967634	SLU 51	2.077	Si
360	24.13	1.1	0	2	-465442	-465442	-171591	-967634	-967634	SLU 51	2.079	Si
380	24.13	2.3	0	2,3,5,6	-288983	288983	-144492	-763108	763108	SLU 52	2.641	Si
409	24.13	2.3	0	2,3,5,6	-288594	288594	-144297	-763108	763108	SLU 52	2.644	Si
438	24.13	1.1	0	3,5,6	-288198	288198	-144099	-763108	763108	SLU 52	2.648	Si
467	24.13	1.1	0	3,5,6	-287802	287802	-143901	-763108	763108	SLU 52	2.651	Si
496	24.13	1.1	0	3,5,6	-287407	287407	-143703	-763108	763108	SLU 52	2.655	Si
525	24.13	1.1	0	3,5,6	-287011	-287011	-143505	-763108	-763108	SLU 52	2.659	Si
554	24.13	1.1	0	3,5,6	-286615	-286615	-143307	-763108	-763108	SLU 52	2.662	Si
583	24.13	1.1	0	3,5,6	-286219	-286219	-143110	-763108	-763108	SLU 52	2.666	Si
612	24.13	1.1	0	3,5,6	-285823	-285823	-142912	-763108	-763108	SLU 52	2.67	Si
641	24.39	1.5	0	3,4,5,6	-285427	-285427	-142714	-764835	-764835	SLU 52	2.68	Si
670	31.44	1.9	0	3,4,5,6	-285032	-285032	-142516	-811233	-811233	SLU 52	2.846	Si
690	24.13	2.5	0	4,5,6,7,9,10	228714	228714	-114357	673235	673235	SLU 52	2.944	Si
719	21.83	2.5	0	4,5,6,7,9,10	228375	228375	-114188	658510	658510	SLU 52	2.883	Si
748	20.11	1.1	0	7,9,10	228036	228036	-114018	647491	647491	SLU 52	2.839	Si
777	20.11	1.1	0	7,9,10	227696	227696	-113848	647491	647491	SLU 52	2.844	Si
806	20.11	1.1	0	7,9,10	227357	227357	-113679	647491	647491	SLU 52	2.848	Si
835	20.11	1.1	0	7,9,10	227018	-227018	-113509	647491	-647491	SLU 52	2.852	Si
864	20.11	1.1	0	7,9,10	-226679	-226679	-113339	-647491	-647491	SLU 52	2.856	Si
893	20.11	1.1	0	7,9,10	-226339	-226339	-113170	-647491	-647491	SLU 52	2.861	Si
922	20.11	1.1	0	7,9,10	-226000	-226000	-113000	-647491	-647491	SLU 52	2.865	Si
951	20.37	1.6	0	7,8,9,10	-225661	-225661	-112830	-649217	-649217	SLU 52	2.877	Si
980	27.42	2	0	7,8,9,10	-225321	-225321	-112661	-695580	-695580	SLU 52	3.087	Si
1000	20.11	2.4	0	8,9,10,11	173555	173555	-86777	556148	556148	SLU 52	3.204	Si
1029	17.8	2.4	0	8,9,10,11	173272	173272	-86636	541580	541580	SLU 52	3.126	Si
1058	16.08	1.1	0	11	172989	172989	-86495	530708	530708	SLU 52	3.068	Si
1087	16.08	1.1	0	11	172706	172706	-86353	530708	530708	SLU 52	3.073	Si
1116	16.08	1.1	0	11	172424	172424	-86212	530708	530708	SLU 52	3.078	Si
1145	16.08	1.1	0	11	-172141	-172141	-86070	-530708	-530708	SLU 52	3.083	Si
1174	16.08	1.1	0	11	-171858	-171858	-85929	-530708	-530708	SLU 52	3.088	Si
1203	16.08	1.1	0	11	-171575	-171575	-85788	-530708	-530708	SLU 52	3.093	Si
1232	16.08	1.1	0	11	-171293	-171293	-85646	-530708	-530708	SLU 52	3.098	Si
1261	16.08	1.1	0	11	-171010	-171010	-85505	-530708	-530708	SLU 52	3.103	Si
1290	16.08	1.1	0	11	-170732	-192146	-85366	-520712	-586020	SLU 52	3.05	Si
1310	16.08	2.1	0	11,12	120917	201015	-60459	478518	795497	SLU 52	3.957	Si
1339	16.08	2.1	0	11,12	120635	160397	-60317	504136	670304	SLU 52	4.179	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1368	16.08	1.1	0	12	120352	120352	-60176	530708	530708	SLU 52	4.41	Si
1397	16.08	1.1	0	12	120069	120069	-60035	530708	530708	SLU 52	4.42	Si
1426	16.08	1.1	0	12	119786	119786	-59893	530708	530708	SLU 52	4.43	Si
1455	16.08	1.1	0	12	119504	-119504	-59752	530708	-530708	SLU 52	4.441	Si
1484	16.08	1.1	0	12	-119221	-119221	-59610	-530708	-530708	SLU 52	4.451	Si
1513	16.08	1.1	0	12	-118938	-118938	-59469	-530708	-530708	SLU 52	4.462	Si
1542	16.08	1.1	0	12	-118655	-123931	-59328	-527116	-550555	SLU 52	4.442	Si
1571	16.08	1.1	0	12	-118373	-164550	-59186	-499253	-694011	SLU 52	4.218	Si
1600	16.08	1.1	0	12	-118090	-205168	-59045	-472663	-821200	SLU 52	4.003	Si
1620	16.08	2.1	0	12,13,14	139275	260044	-35298	640483	1195860	SLU 51	4.599	Si
1649	16.08	2.1	0	12,13,14	104768	198735	-35159	573554	1087978	SLU 51	5.475	Si
1678	16.08	1.1	0	13,14	70349	136272	-35174	457237	885708	SLU 52	6.5	Si
1707	16.08	1.1	0	13,14	70066	74026	-35033	526153	555885	SLU 52	7.509	Si
1736	16.08	1.1	0	13,14	-69783	69783	-34892	-530708	530708	SLU 52	7.605	Si
1765	16.08	1.1	0	13,14	-69501	-69501	-34750	-530708	-530708	SLU 52	7.636	Si
1794	16.08	1.1	0	13,14	-69218	-112715	-34609	-480994	-783251	SLU 52	6.949	Si
1823	16.08	1.1	0	13,14	-105909	-175573	-34311	-618555	-1025425	SLU 51	5.84	Si
1852	16.08	1.1	0	13,14	-141022	-237958	-34169	-687921	-1160787	SLU 51	4.878	Si
1881	16.08	1.1	0	13,14	-176135	-300343	-34028	-720535	-1228648	SLU 51	4.091	Si
1910	16.08	1.1	0	13,14	-210642	-361652	-33889	-733661	-1259625	SLU 51	3.483	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	24.13	2.3	0	1,2	-1453957	-288699	-119076	-2.02	1.92	-2732585	-542584	SLV 11	1.879				Si
-111	24.13	2.3	0	1,2	-1344321	-262412	-118924	-2.02	1.92	-2664137	-520040	SLV 11	1.982				Si
-81	24.13	1.1	0	2	-1232795	-235673	-118770	-2.02	1.92	-2578087	-492852	SLV 11	2.091				Si
-52	24.13	1.1	0	2	-1121281	-208940	-118615	-2.02	1.92	-2473358	-460887	SLV 11	2.206				Si
-22	24.13	1.1	0	2	-1009780	-182214	-118461	-2.02	1.92	-2348091	-423711	SLV 11	2.325				Si
7	24.13	1.1	0	2	-898299	-155500	-118306	-2.02	1.92	-2201235	-381044	SLV 11	2.45				Si
36	24.13	1.1	0	2	-786843	-128804	-118152	-2.02	1.92	-2032473	-332710	SLV 11	2.583				Si
66	24.13	1.1	0	2	-675431	-102149	-117997	-2.02	1.92	-1843211	-278758	SLV 11	2.729				Si
95	24.13	1.1	0	2	-564084	-75584	-117843	-2.02	1.92	-1631282	-218584	SLV 11	2.892				Si
125	24.13	1.1	0	2	-451731	-49044	-117687	-2.02	1.92	-1389638	-150870	SLV 11	3.076				Si
154	24.13	1.1	0	2	-246836	-28665	-122699	-2.02	1.92	-778073	-90358	SLV 15	3.152				Si
184	24.13	1.1	0	2	-169786	7940	-122545	-2.02	1.92	-535873	25059	SLV 15	3.156				Si
213	24.13	1.1	0	2	-96899	36194	-122392	-2.02	1.92	-306209	114376	SLV 15	3.16				Si
242	24.13	1.1	0	2	-44501	91215	-122236	-2.02	1.92	-140806	288617	SLV 15	3.164				Si
272	24.13	1.1	0	2	-29430	137158	-122081	-2.02	1.92	-93239	434535	SLV 15	3.168				Si
301	24.13	1.1	0	2	-44364	177961	-121927	-2.02	1.92	-138337	554926	SLV 15	3.118				Si
331	24.13	1.1	0	2	177964	218792	-121772	-2.02	1.92	515627	633920	SLV 15	2.897				Si
360	24.13	1.1	0	2	312200	258942	-121621	-2.02	1.92	842598	698860	SLV 15	2.699				Si
380	24.13	2.3	0	2,3,5,6	170518	524464	-75688	-2.02	1.92	486820	1497322	SLV 1	2.855				Si
409	24.13	2.3	0	2,3,5,6	136296	423606	-75539	-2.02	1.92	446456	1387580	SLV 1	3.276				Si
438	24.13	1.1	0	3,5,6	-43307	-198114	-100086	-2.02	1.92	-155252	-710225	SLV 15	3.585				Si
467	24.13	1.1	0	3,5,6	-24043	-136266	-99934	-2.02	1.92	-92841	-526199	SLV 15	3.862				Si
496	24.13	1.1	0	3,5,6	-11980	-74846	-99782	-2.02	1.92	-46439	-290115	SLV 15	3.876				Si
525	24.13	1.1	0	3,5,6	-17901	-12097	-99629	-2.02	1.92	-69492	-46962	SLV 15	3.882				Si
554	24.13	1.1	0	3,5,6	61854	52536	-99477	-2.02	1.92	240490	204262	SLV 15	3.888				Si
583	24.13	1.1	0	3,5,6	126337	113555	-99325	-2.02	1.92	483399	434492	SLV 15	3.826				Si
612	24.13	1.1	0	3,5,6	149042	175339	-99173	-2.02	1.92	530908	624584	SLV 15	3.562				Si
641	24.39	1.5	0	3,4,5,6	-206136	-398728	-74321	-2.02	1.92	-683021	-1321163	SLV 1	3.313				Si
670	31.44	1.9	0	3,4,5,6	-244047	-501346	-74169	-2.02	1.92	-748717	-1538085	SLV 1	3.068				Si
690	24.13	2.5	0	4,5,6,7,9,10	265057	435447	-60698	-2.02	1.92	751364	1234370	SLV 1	2.835				Si
719	21.83	2.5	0	4,5,6,7,9,10	212197	344857	-60567	-2.02	1.92	695055	1129587	SLV 1	3.276				Si
748	20.11	1.1	0	7,9,10	159942	254341	-60437	-2.02	1.92	608308	967340	SLV 1	3.803				Si
777	20.11	1.1	0	7,9,10	-51621	-90311	-77272	-2.02	1.92	-219966	-384834	SLV 15	4.261				Si
806	20.11	1.1	0	7,9,10	-29428	-43383	-77141	-2.02	1.92	-125609	-185177	SLV 15	4.268				Si
835	20.11	1.1	0	7,9,10	-13823	7705	-77011	-2.02	1.92	-59100	32946	SLV 15	4.276				Si
864	20.11	1.1	0	7,9,10	60871	57412	-76880	-2.02	1.92	260702	245888	SLV 15	4.283				Si
893	20.11	1.1	0	7,9,10	87023	104986	-76750	-2.02	1.92	358042	431945	SLV 15	4.114				Si
922	20.11	1.1	0	7,9,10	-172989	-291081	-59654	-2.02	1.92	-622777	-1047916	SLV 1	3.6				Si
951	20.37	1.6	0	7,8,9,10	-225616	-381631	-59523	-2.02	1.92	-687541	-1162982	SLV 1	3.047				Si
980	27.42	2	0	7,8,9,10	-278653	-472237	-59393	-2.02	1.92	-778035	-1318543	SLV 1	2.792				Si
1000	20.11	2.4	0	8,9,10,11	187851	413676	-46637	-2.02	1.92	490391	1079913	SLV 1	2.611				Si
1029	17.8	2.4	0	8,9,10,11	147091	328557	-46528	-2.02	1.92	454306	1014783	SLV 1	3.089				Si
1058	16.08	1.1	0	11	106888	243503	-46419	-2.02	1.92	397459	905458	SLV 1	3.718				Si
1087	16.08	1.1	0	11	68226	158617	-46310	-2.02	1.92	309119	718658	SLV 1	4.531				Si
1116	16.08	1.1	0	11	-17097	-41621	-56697	-2.02	1.92	-81950	-199504	SLV 15	4.793				Si
1145	16.08	1.1	0	11	31156	4537	-56589	-2.02	1.92	149628	21788	SLV 15	4.803				Si
1174	16.08	1.1	0	11	45378	41388	-56480	-2.02	1.92	218351	199148	SLV 15	4.812				Si
1203	16.08	1.1	0	11	-109152	-183989	-45875	-2.02	1.92	-456494	-769478	SLV 1	4.182				Si
1232	16.08	1.1	0	11	-149505	-268927	-45767	-2.02	1.92	-510406	-918110	SLV 1	3.414				Si
1261	16.08	1.1	0	11	-190330	-353999	-45658	-2.02	1.92	-527649	-981388	SLV 1	2.772				Si
1290	16.08	1.1	0	11	-230673	-437658	-45551	-2.02	1.92	-526026	-998030	SLV 1	2.28				Si
1310	16.08	2.1	0	11,12	209908	421802	-32914	-2.02	1.92	498409	1001534	SLV 1	2.374				Si
1339	16.08	2.1	0	11,12	166790	337005	-32806	-2.02	1.92	500079	1010429	SLV 1	2.998				Si
1368	16.08	1.1	0	12	123953	252259	-32697	-2.02	1.92	489158	995493	SLV 1	3.946				Si
1397	16.08	1.1	0	12	81869	167642	-32588	-2.02	1.92	433595	887861	SLV 1	5.296				Si
1426	16.08	1.1	0	12	43154	83592	-32479	-2.02	1.92	302491	585950	SLV 1	7.01				Si
1455	16.08	1.1	0	12	20402	4397	-37265	-2.02	1.92	148791	32066	SLV 15	7.293				Si
1484	16.08	1.1	0	12	-57426	-89176	-32262	-2.02	1.92	-390288	-606069	SLV 1	6.796				Si
1513	16.08	1.1	0	12	-98928	-173298	-32153	-2.02	1.92	-506687	-887598	SLV 1	5.122				Si
1542	16.08	1.1	0	12	-141587	-257928	-32044	-2.02	1.92	-538878	-981672	SLV 1	3.806				Si
1571	16.08	1.1	0	12	-184630	-342678	-31936	-2.02	1.92	-534621	-992272	SLV 1	2.896				Si
1600	16.08	1.1	0	12	-227844	-427476	-31827	-2.02	1.92	-524375	-983821	SLV 1	2.301				Si
1620	16.08	2.1	0	12,13,14	188828	440636	-19997	-2.02	1.92	411605	960491	SLV 1	2.18				Si
1649	16.08	2.1	0	12,13,14	139458	340534	-19890	-2.02	1.92	420585	1027005	SLV 1	3.016				Si
1678	16.08	1.1	0	13,14	89421	238701	-19781	-2.02	1.92	396252	1057755	SLV 1	4.431				Si
1707	16.08	1.1	0	13,14	40556	136950	-19673	-2.02	1.92	306561	1035192	SLV 1	7.559				Si
1736	16.08	1.1	0	13,14	-4058	33900	-19999	-2.02	1.92	-53117	443753	SLV 3	13.09				Si
1765	16.08	1.1	0	13,14	-64006	-68101	-19455	-2.02	1.92	-632193	-672640	SLV 1	9.877				Si
1794	16.08	1.1	0	13,14	-113865	-169333	-19346	-2.02	1.92	-634987	-944313	SLV 1	5.577				Si
1823	16.08	1.1	0	13,14	-164056	-271105	-19238	-2.02	1.92	-575357	-950786	SLV 1	3.507				Si
1852	16.08	1.1	0	13,14	-214345	-372943	-19129	-2.02	1.92	-540473	-940377	SLV 1	2.522				Si
1881	16.08	1.1	0	13,14	-264678	-474803	-19020	-2.02	1.92	-472502	-847617	SLV 1	1.785				Si
1910	16.08	1.1	0	13,14	-314164	-574917	-18913	-2.02	1.92	-430093	-787065	SLV 1	1.369				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	2.3	0	1,2	-560794	-98661	-112283	-1656351	-291402	SLD 11	2.954	Si
-111	24.13	2.3	0	1,2	-518435	-90444	-112132	-1566590	-273301	SLD 11	3.022	Si
-81	24.13	1.1	0	2	-475348	-82087	-111977	-1470931	-254011	SLD 11	3.094	Si
-52	24.13	1.1	0	2	-432267	-73732	-111823	-1370571	-233778	SLD 11	3.171	Si
-22	24.13	1.1	0	2	-389194	-65380	-111668	-1265159	-212533	SLD 11	3.251	Si
7	24.13	1.1	0	2	-346130	-57034	-111514	-1154304	-190202	SLD 11	3.335	Si
36	24.13	1.1	0	2	-215081	-72987	-113375	-733731	-248991	SLD 15	3.411	Si
66	24.13	1.1	0	2	-184747	-59074	-113221	-631110	-201801	SLD 15	3.416	Si
95	24.13	1.1	0	2	-154470	-45204	-113067	-528402	-154630	SLD 15	3.421	Si
125	24.13	1.1	0	2	-123986	-31333	-112911	-424710	-107330	SLD 15	3.425	Si
154	24.13	1.1	0	2	-94319	-17975	-112758	-323525	-61657	SLD 15	3.43	Si
184	24.13	1.1	0	2	-64855	-5325	-112603	-222763	-18291	SLD 15	3.435	Si
213	24.13	1.1	0	2	-37371	3559	-112451	-128536	12241	SLD 15	3.439	Si
242	24.13	1.1	0	2	-19065	23078	-112294	-65664	79487	SLD 15	3.444	Si
272	24.13	1.1	0	2	-13487	39031	-112140	-46517	134619	SLD 15	3.449	Si
301	24.13	1.1	0	2	-19922	52953	-111986	-68807	182886	SLD 15	3.454	Si
331	24.13	1.1	0	2	69284	66889	-111831	239619	231338	SLD 15	3.459	Si
360	24.13	1.1	0	2	122117	80596	-111679	422917	279121	SLD 15	3.463	Si
380	24.13	2.3	0	2,3,5,6	95354	266796	-83173	357492	1000247	SLD 1	3.749	Si
409	24.13	2.3	0	2,3,5,6	78472	215211	-83024	313961	861043	SLD 1	4.001	Si
438	24.13	1.1	0	3,5,6	-1070	-39838	-92601	-4467	-166391	SLD 15	4.177	Si
467	24.13	1.1	0	3,5,6	2487	-28066	-92449	10405	-117416	SLD 15	4.184	Si
496	24.13	1.1	0	3,5,6	3698	-16554	-92297	15496	-69372	SLD 15	4.191	Si
525	24.13	1.1	0	3,5,6	-2825	-4608	-92144	-11858	-19341	SLD 15	4.197	Si
554	24.13	1.1	0	3,5,6	27580	9203	-91992	115958	38695	SLD 15	4.204	Si
583	24.13	1.1	0	3,5,6	49982	20496	-91840	210491	86316	SLD 15	4.211	Si
612	24.13	1.1	0	3,5,6	54369	32232	-91688	229347	135967	SLD 15	4.218	Si
641	24.39	1.5	0	3,4,5,6	-92627	-205512	-81806	-377587	-837750	SLD 1	4.076	Si
670	31.44	1.9	0	3,4,5,6	-111409	-257996	-81653	-450564	-1043396	SLD 1	4.044	Si
690	24.13	2.5	0	4,5,6,7,9,10	142912	231286	-65768	559064	904779	SLD 1	3.912	Si
719	21.83	2.5	0	4,5,6,7,9,10	115448	183050	-65637	479503	760284	SLD 1	4.153	Si
748	20.11	1.1	0	7,9,10	88320	134859	-65507	393549	600924	SLD 1	4.456	Si
777	20.11	1.1	0	7,9,10	-4412	-13074	-72201	-20119	-59622	SLD 15	4.56	Si
806	20.11	1.1	0	7,9,10	-3649	-7959	-72071	-16673	-36363	SLD 15	4.569	Si
835	20.11	1.1	0	7,9,10	-3699	-15	-71940	-16932	-67	SLD 15	4.577	Si
864	20.11	1.1	0	7,9,10	22096	6407	-71810	101317	29380	SLD 15	4.585	Si
893	20.11	1.1	0	7,9,10	24593	11892	-71679	112971	54628	SLD 15	4.594	Si
922	20.11	1.1	0	7,9,10	-85653	-155701	-64724	-374034	-679919	SLD 1	4.367	Si
951	20.37	1.6	0	7,8,9,10	-112975	-203912	-64593	-455673	-822459	SLD 1	4.033	Si
980	27.42	2	0	7,8,9,10	-140534	-252158	-64463	-560139	-1005048	SLD 1	3.986	Si
1000	20.11	2.4	0	8,9,10,11	104491	228116	-49692	405618	885508	SLD 1	3.882	Si
1029	17.8	2.4	0	8,9,10,11	82442	180907	-49583	345936	759103	SLD 1	4.196	Si
1058	16.08	1.1	0	11	60694	133737	-49474	277311	611046	SLD 1	4.569	Si
1087	16.08	1.1	0	11	-2956	-8214	-53751	-14947	-41531	SLD 15	5.056	Si
1116	16.08	1.1	0	11	-3802	-7140	-53642	-19264	-36174	SLD 15	5.066	Si
1145	16.08	1.1	0	11	12608	-1688	-53534	64004	-8569	SLD 15	5.077	Si
1174	16.08	1.1	0	11	11030	-1515	-53425	56107	-7707	SLD 15	5.087	Si
1203	16.08	1.1	0	11	-56752	-103451	-48930	-277934	-506634	SLD 1	4.897	Si
1232	16.08	1.1	0	11	-78532	-150549	-48822	-345577	-662484	SLD 1	4.4	Si
1261	16.08	1.1	0	11	-100594	-197728	-48713	-399949	-786143	SLD 1	3.976	Si
1290	16.08	1.1	0	11	-122411	-244127	-48606	-439338	-876181	SLD 1	3.589	Si
1310	16.08	2.1	0	11,12	121844	243719	-34272	489670	979462	SLD 1	4.019	Si
1339	16.08	2.1	0	11,12	97734	194837	-34164	462310	921633	SLD 1	4.73	Si
1368	16.08	1.1	0	12	73769	145982	-34055	409521	810412	SLD 1	5.551	Si
1397	16.08	1.1	0	12	50169	97198	-33946	325585	630792	SLD 1	6.49	Si
1426	16.08	1.1	0	12	2009	-1357	-36016	15156	-10238	SLD 15	7.546	Si
1455	16.08	1.1	0	12	10475	1099	-35907	79280	8318	SLD 15	7.569	Si
1484	16.08	1.1	0	12	11029	-1199	-35798	83725	-9099	SLD 15	7.592	Si
1513	16.08	1.1	0	12	-50898	-99323	-33511	-331045	-646000	SLD 1	6.504	Si
1542	16.08	1.1	0	12	-74707	-148106	-33402	-416156	-825029	SLD 1	5.571	Si
1571	16.08	1.1	0	12	-98749	-196960	-33294	-467816	-933082	SLD 1	4.737	Si
1600	16.08	1.1	0	12	-122896	-245842	-33185	-493222	-986645	SLD 1	4.013	Si
1620	16.08	2.1	0	12,13,14	120599	273528	-19735	450808	1022471	SLD 1	3.738	Si
1649	16.08	2.1	0	12,13,14	89770	210780	-19628	441986	1037782	SLD 1	4.924	Si
1678	16.08	1.1	0	13,14	58502	146941	-19519	406799	1021767	SLD 1	6.954	Si
1707	16.08	1.1	0	13,14	27781	83138	-19411	279218	835605	SLD 1	10.051	Si
1736	16.08	1.1	0	13,14	5315	13597	-19513	74027	189368	SLD 7	13.928	Si
1765	16.08	1.1	0	13,14	-37081	-45171	-19193	-436073	-531211	SLD 1	11.76	Si
1794	16.08	1.1	0	13,14	-68225	-108726	-19084	-559786	-892091	SLD 1	8.205	Si
1823	16.08	1.1	0	13,14	-99562	-172536	-18976	-564923	-978978	SLD 1	5.674	Si
1852	16.08	1.1	0	13,14	-130956	-236376	-18867	-542476	-979173	SLD 1	4.142	Si
1881	16.08	1.1	0	13,14	-162373	-300227	-18758	-524667	-970104	SLD 1	3.231	Si
1910	16.08	1.1	0	13,14	-193262	-362981	-18651	-510377	-958581	SLD 1	2.641	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	6X/2Y Ø8/10	-992	-146908	SLU 20	17927	60828	62389	2.3	61.35	-1384	-146908	SLU 20	17432	57236	65483	2.5	41.34	Si
-111	6X/2Y Ø8/10	-992	-146756	SLU 20	17927	60828	62389	2.3	61.35	-1384	-146756	SLU 20	17432	57236	65483	2.5	41.34	Si
-81	6X/2Y Ø8/10	-992	-146601	SLU 20	17927	60828	62389	2.3	61.35	-1384	-146601	SLU 20	17432	57236	65483	2.5	41.34	Si
-52	6X/2Y Ø8/10	-992	-146447	SLU 20	17927	60828	62389	2.3	61.35	-1384	-146447	SLU 20	17432	57236	65483	2.5	41.34	Si
-22	6X/2Y Ø8/15	-992	-146293	SLU 20	17927	44078	58834	2.5	44.46	-1384	-146293	SLU 20	17432	38157	65483	2.5	27.56	Si
7	6X/2Y Ø8/15	-992	-146138	SLU 20	17927	44078	58834	2.5	44.46	-1384	-146138	SLU 20	17432	38157	65483	2.5	27.56	Si
36	6X/2Y Ø8/15	-992	-145984	SLU 20	17927	44078	58834	2.5	44.46	-1384	-145984	SLU 20	17432	38157	65483	2.5	27.56	Si
66	6X/2Y Ø8/15	-992	-145829	SLU 20	17927	44078	58834	2.5	44.46	-1384	-145829	SLU 20	17432	38157	65483	2.5	27.56	Si
95	6X/2Y Ø8/15	-992	-145675	SLU 20	17927	44078	58834	2.5	44.46	-1384	-145675	SLU 20	17432	38157	65483	2.5	27.56	Si
125	6X/2Y Ø8/15	-992	-145519	SLU 20	17927	44078	58834	2.5	44.46	-1384	-145519	SLU 20	17432	38157	65483	2.5	27.56	Si
154	6X/2Y Ø8/15	-992	-145366	SLU 20	17927	44078	58834	2.5	44.46	-1384	-145366	SLU 20	17432	38157	65483	2.5	27.56	Si
184	6X/2Y Ø8/15	-992	-145212	SLU 20	17927	44078	58834	2.5	44.46	-1384	-145212	SLU 20	17432	38157	65483	2.5	27.56	Si
213	6X/2Y Ø8/15	-992	-145060	SLU 20	17927	44078	58834	2.5	44.46	-1384	-145060	SLU 20	17432	38157	65483	2.5	27.56	Si
242	6X/2Y Ø8/10	-992	-144903	SLU 20	17927	60828	62389	2.3	61.35	-1384	-144903	SLU 20	17432	57236	65483	2.5	41.34	Si
272	6X/2Y Ø8/10	-992	-144748	SLU 20	17927	60828	62389	2.3	61.35	-1384	-144748	SLU 20	17432	57236	65483	2.5	41.34	Si
301	6X/2Y Ø8/10	-992	-144594	SLU 20	17927	60828	62389	2.3	61.35	-1384	-144594	SLU 20	17432	57236	65483	2.5	41.34	Si
331	6X/2Y Ø8/10	-992	-144440	SLU 20	17927	60828	62389	2.3	61.35	-1384	-144440	SLU 20	17432	57236	65483	2.5	41.34	Si
360	6X/2Y Ø8/10	-992	-144288	SLU 20	17927	60828	62389	2.3	61.35	-1384	-144288	SLU 20	17432	57236	65483	2.5	41.34	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
380	6X/2Y Ø8/10	-1126	-143826	SLU 51	17927	60828	62389	2.3	54.01	668	-76282	SLU 2	17432	57236	63321	2.5	85.7	Si
409	6X/2Y Ø8/10	-1126	-143631	SLU 51	17927	60828	62389	2.3	54.01	668	-76133	SLU 2	17432	57236	63300	2.5	85.7	Si
438	6X/2Y Ø8/10	-1126	-143433	SLU 51	17927	60828	62389	2.3	54.01	668	-75980	SLU 2	17432	57236	63278	2.5	85.7	Si
467	6X/2Y Ø8/14.4	-1126	-143235	SLU 51	17927	45774	58834	2.5	40.65	668	-75828	SLU 2	17432	39625	63256	2.5	59.33	Si
496	6X/2Y Ø8/14.4	-1126	-143038	SLU 51	17927	45774	58834	2.5	40.65	668	-75676	SLU 2	17432	39625	63234	2.5	59.33	Si
525	6X/2Y Ø8/14.4	-1126	-142840	SLU 51	17927	45774	58834	2.5	40.65	668	-75524	SLU 2	17432	39625	63212	2.5	59.33	Si
554	6X/2Y Ø8/14.4	-1126	-142642	SLU 51	17927	45774	58834	2.5	40.65	668	-75371	SLU 2	17432	39625	63191	2.5	59.33	Si
583	6X/2Y Ø8/14.4	-1126	-142444	SLU 51	17927	45774	58834	2.5	40.65	668	-75219	SLU 2	17432	39625	63169	2.5	59.33	Si
612	6X/2Y Ø8/10	-1126	-142246	SLU 51	17927	60828	62389	2.3	54.01	668	-75067	SLU 2	17432	57236	63147	2.5	85.7	Si
641	6X/2Y Ø8/10	-1126	-142048	SLU 51	17927	60828	62389	2.3	54.01	668	-74915	SLU 2	17432	57236	63125	2.5	85.7	Si
670	6X/2Y Ø8/10	-1126	-141850	SLU 51	17927	60828	62389	2.3	54.01	668	-74762	SLU 2	17432	57236	63103	2.5	85.7	Si
690	5X/2Y Ø8/10	-1178	-113833	SLU 51	15366	51792	52691	2.35	43.97	-785	-113833	SLU 51	15029	48385	55356	2.5	61.66	Si
719	5X/2Y Ø8/10	-1178	-113663	SLU 51	15366	51792	52691	2.35	43.97	-785	-113663	SLU 51	15029	48385	55356	2.5	61.66	Si
748	5X/2Y Ø8/10	-1178	-113493	SLU 51	15366	51792	52691	2.35	43.97	-785	-113493	SLU 51	15029	48385	55356	2.5	61.66	Si
777	5X/2Y Ø8/14.4	-1178	-113324	SLU 51	15366	38145	50429	2.5	32.39	-785	-113324	SLU 51	15029	33497	55356	2.5	42.69	Si
806	5X/2Y Ø8/14.4	-1178	-113154	SLU 51	15366	38145	50429	2.5	32.39	-785	-113154	SLU 51	15029	33497	55356	2.5	42.69	Si
835	5X/2Y Ø8/14.4	-1178	-112984	SLU 51	15366	38145	50429	2.5	32.39	-785	-112984	SLU 51	15029	33497	55356	2.5	42.69	Si
864	5X/2Y Ø8/14.4	-1178	-112815	SLU 51	15366	38145	50429	2.5	32.39	-785	-112815	SLU 51	15029	33497	55356	2.5	42.69	Si
893	5X/2Y Ø8/14.4	-1178	-112645	SLU 51	15366	38145	50429	2.5	32.39	-785	-112645	SLU 51	15029	33497	55356	2.5	42.69	Si
922	5X/2Y Ø8/10	-1178	-112475	SLU 51	15366	51792	52691	2.35	43.97	-785	-112475	SLU 51	15029	48385	55356	2.5	61.66	Si
951	5X/2Y Ø8/10	-1178	-112306	SLU 51	15366	51792	52691	2.35	43.97	-785	-112306	SLU 51	15029	48385	55356	2.5	61.66	Si
980	5X/2Y Ø8/10	-1178	-112136	SLU 51	15366	51792	52691	2.35	43.97	-785	-112136	SLU 51	15029	48385	55356	2.5	61.66	Si
1000	4X/2Y Ø8/10	-1272	-86399	SLU 51	12805	42315	43268	2.4	33.26	-696	-86399	SLU 51	12600	39534	45230	2.5	56.81	Si
1029	4X/2Y Ø8/10	-1272	-86258	SLU 51	12805	42315	43268	2.4	33.26	-696	-86258	SLU 51	12600	39534	45230	2.5	56.81	Si
1058	4X/2Y Ø8/10	-1272	-86116	SLU 51	12805	42315	43268	2.4	33.26	-696	-86116	SLU 51	12600	39534	45230	2.5	56.81	Si
1087	4X/2Y Ø8/14.4	-1272	-85975	SLU 51	12805	30516	42024	2.5	23.99	-696	-85975	SLU 51	12600	27370	45230	2.5	39.33	Si
1116	4X/2Y Ø8/14.4	-1272	-85834	SLU 51	12805	30516	42024	2.5	23.99	-696	-85834	SLU 51	12600	27370	45230	2.5	39.33	Si
1145	4X/2Y Ø8/14.4	-1272	-85692	SLU 51	12805	30516	42024	2.5	23.99	-696	-85692	SLU 51	12600	27370	45230	2.5	39.33	Si
1174	4X/2Y Ø8/14.4	-1272	-85551	SLU 51	12805	30516	42024	2.5	23.99	-696	-85551	SLU 51	12600	27370	45230	2.5	39.33	Si
1203	4X/2Y Ø8/14.4	-1272	-85409	SLU 51	12805	30516	42024	2.5	23.99	-696	-85409	SLU 51	12600	27370	45230	2.5	39.33	Si
1232	4X/2Y Ø8/10	-1272	-85268	SLU 51	12805	42315	43268	2.4	33.26	-696	-85268	SLU 51	12600	39534	45230	2.5	56.81	Si
1261	4X/2Y Ø8/10	-1272	-85127	SLU 51	12805	42315	43268	2.4	33.26	-696	-85127	SLU 51	12600	39534	45230	2.5	56.81	Si
1290	4X/2Y Ø8/10	-1272	-84988	SLU 51	12805	42315	43268	2.4	33.26	-696	-84988	SLU 51	12600	39534	45230	2.5	56.81	Si
1310	4X/2Y Ø8/10	-1401	-60459	SLU 52	12805	42315	42631	2.4	30.21	-793	-60199	SLU 51	12600	39534	44529	2.5	49.83	Si
1339	4X/2Y Ø8/10	-1401	-60317	SLU 52	12805	42315	42612	2.4	30.21	-793	-60057	SLU 51	12600	39534	44509	2.5	49.83	Si
1368	4X/2Y Ø8/10	-1401	-60176	SLU 52	12805	42315	42594	2.4	30.21	-793	-59916	SLU 51	12600	39534	44489	2.5	49.83	Si
1397	4X/2Y Ø8/14.4	-1401	-60035	SLU 52	12805	30516	41352	2.5	21.79	-793	-59775	SLU 51	12600	27370	44470	2.5	34.5	Si
1426	4X/2Y Ø8/14.4	-1401	-59893	SLU 52	12805	30516	41333	2.5	21.79	-793	-59633	SLU 51	12600	27370	44450	2.5	34.5	Si
1455	4X/2Y Ø8/14.4	-1401	-59752	SLU 52	12805	30516	41315	2.5	21.79	-793	-59492	SLU 51	12600	27370	44431	2.5	34.5	Si
1484	4X/2Y Ø8/14.4	-1401	-59610	SLU 52	12805	30516	41297	2.5	21.79	-793	-59351	SLU 51	12600	27370	44411	2.5	34.5	Si
1513	4X/2Y Ø8/14.4	-1401	-59469	SLU 52	12805	30516	41279	2.5	21.79	-793	-59209	SLU 51	12600	27370	44392	2.5	34.5	Si
1542	4X/2Y Ø8/10	-1401	-59328	SLU 52	12805	42315	42481	2.4	30.21	-793	-59068	SLU 51	12600	39534	44372	2.5	49.83	Si
1571	4X/2Y Ø8/10	-1401	-59186	SLU 52	12805	42315	42462	2.4	30.21	-793	-58926	SLU 51	12600	39534	44352	2.5	49.83	Si
1600	4X/2Y Ø8/10	-1401	-59045	SLU 52	12805	42315	42444	2.4	30.21	-793	-58785	SLU 51	12600	39534	44333	2.5	49.83	Si
1620	4X/2Y Ø8/10	-2151	-35298	SLU 51	10700	39671	41077	2.25	18.44	-1211	-35298	SLU 51	10334	39534	41077	2.5	32.65	Si
1649	4X/2Y Ø8/10	-2151	-35159	SLU 51	10683	39671	41058	2.25	18.44	-1211	-35159	SLU 51	10316	39534	41058	2.5	32.65	Si
1678	4X/2Y Ø8/10	-2151	-35018	SLU 51	10665	39671	41038	2.25	18.44	-1211	-35018	SLU 51	10297	39534	41038	2.5	32.65	Si
1707	4X/2Y Ø8/14.4	-2151	-34876	SLU 51	10647	30516	38111	2.5	14.19	-1211	-34876	SLU 51	10278	27370	41019	2.5	22.6	Si
1736	4X/2Y Ø8/14.4	-2151	-34735	SLU 51	10630	30516	38093	2.5	14.19	-1211	-34735	SLU 51	10259	27370	40999	2.5	22.6	Si
1765	4X/2Y Ø8/14.4	-2151	-34594	SLU 51	10612	30516	38075	2.5	14.19	-1211	-34594	SLU 51	10240	27370	40979	2.5	22.6	Si
1794	4X/2Y Ø8/14.4	-2151	-34452	SLU 51	10595	30516	38057	2.5	14.19	-1211	-34452	SLU 51	10221	27370	40960	2.5	22.6	Si
1823	4X/2Y Ø8/14.4	-2151	-34311	SLU 51	10577	30516	38039	2.5	14.19	-1211	-34311	SLU 51	10202	27370	40940	2.5	22.6	Si
1852	4X/2Y Ø8/10	-2151	-34169	SLU 51	10559	39671	40921	2.25	18.44	-1211	-34169	SLU 51	10183	39534	40921	2.5	32.65	Si
1881	4X/2Y Ø8/10	-2151	-34028	SLU 51	10542	39671	40901	2.25	18.44	-1211	-34028	SLU 51	10164	39534	40901	2.5	32.65	Si
1910	4X/2Y Ø8/10	-2151	-33889	SLU 51	10525	39671	40882	2.25	18.44	-1211	-33889	SLU 51	10146	39534	40882	2.5	32.65	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	6X/2Y Ø8/10	-1633	-91613	SLV 1	17927	60828	62389	2.3	37.24	-3862	-96777	SLV 5	17432	57236	65483	2.5	14.82	Si
-111	6X/2Y Ø8/10	-1633	-91461	SLV 1	17927	60828	62389	2.3	37.24	-3862	-96626	SLV 5	17432	57236	65483	2.5	14.82	Si
-81	6X/2Y Ø8/10	-1633	-91306	SLV 1	17927	60828	62381	2.3	37.24	-3862	-96471	SLV 5	17432	57236	65483	2.5	14.82	Si
-52	6X/2Y Ø8/10	-1633	-91152	SLV 1	17927	60828	62360	2.3	37.24	-3862	-96317	SLV 5	17432	57236	65483	2.5	14.82	Si
-22	6X/2Y Ø8/15	-1633	-90998	SLV 1	17927	44078	58787	2.5	26.98	-3862	-96162	SLV 5	17432	38157	65483	2.5	9.88	Si
7	6X/2Y Ø8/15	-1633	-90843	SLV 1	17927	44078	58767	2.5	26.98	-3862	-96008	SLV 5	17432	38157	65483	2.5	9.88	Si
36	6X/2Y Ø8/15	-1633	-90689	SLV 1	17927	44078	58747	2.5	26.98	-3862	-95853	SLV 5	17432	38157	65483	2.5	9.88	Si
66	6X/2Y Ø8/15	-1633	-90534	SLV 1	17927	44078	58728	2.5	26.98	-3862	-95699	SLV 5	17432	38157	65483	2.5	9.88	Si
95	6X/2Y Ø8/15	-1633	-90380	SLV 1	17927	44078	58708	2.5	26.98	-3862	-95545	SLV 5	17432	38157	65483	2.5	9.88	Si
125	6X/2Y Ø8/15	-1633	-90224	SLV 1	17927	44078	58688	2.5	26.98	-3862	-95389	SLV 5	17432	38157	65483	2.5	9.88	Si
154	6X/2Y Ø8/15	-1633	-90071	SLV 1	17927	44078	58668	2.5	26.98	-3862	-95236	SLV 5	17432	38157	65483	2.5	9.88	Si
184	6X/2Y Ø8/15	-1633	-89917	SLV 1	17927	44078	58648	2.5	26.98	-3862	-95081	SLV 5	17432	38157	65483	2.5	9.88	Si
213	6X/2Y Ø8/15	-1633	-89765	SLV 1	17927	44078	58628	2.5	26.98	-3862	-94929	SLV 5	17432	38157	65483	2.5	9.88	Si
242	6X/2Y Ø8/10	-1633	-89608	SLV 1	17927	60828	62149	2.3	37.24	-3862	-94773	SLV 5	17432	57236	65483	2.5	14.82	Si
272	6X/2Y Ø8/10	-1633	-89453	SLV 1	17927	60828	62128	2.3	37.24	-3862	-94618	SLV 5	17432	57236	65483	2.5	14.82	Si
301	6X/2Y Ø8/10	-1633	-89299	SLV 1	17927	60828	62107	2.3	37.24	-3862	-94464	SLV 5	17432	57236	65483	2.5	14.82	Si
331	6X/2Y Ø8/10	-1633	-89145	SLV 1	17927	60828	62086	2.3	37.24	-3862	-94309	SLV 5	17432	57236	65483	2.5	14.82	Si
360	6X/2Y Ø8/10	-1633	-88993	SLV 1	17927	60828	62065	2.3	37.24	-3862	-94158	SLV 5	17432	57236	65483	2.5	14.82	Si
380	6X/2Y Ø8/10	-3541	-75688	SLV 1	17927	59506	61150	2.25	16.8	-1695	-79599	SLV 5	17432	57236	63797	2.5	33.76	Si
409	6X/2Y Ø8/10	-3541	-75539	SLV 1	17927	59506	61129	2.25	16.8	-1695	-79450	SLV 5	17432	57236	63775	2.5	33.76	Si
438	6X/2Y Ø8/10	-3541	-75387	SLV 1	17927	59506	61108	2.25	16.8	-1695	-79297	SLV 5	17432	57236	63753	2.5	33.76	Si
467	6X/2Y Ø8/14.4	-3541	-75234	SLV 1	17927	45774	56757	2.5	12.93	-1695	-79145	SLV 5	17432	39625	63731	2.5	23.37	Si
496	6X/2Y Ø8/14.4	-3541	-75082	SLV 1	17927	45774	56737	2.5	12.93	-1695	-78993	SLV 5	17432	39625	63710	2.5	23.37	Si
525	6X/2Y Ø8/14.4	-3541	-74930	SLV 1	17927	45774	56718	2.5	12.93	-1695	-78841	SLV 5	17432	39625	63688	2.5	23.37	Si
554	6X/2Y Ø8/14.4	-3541	-74778	SLV 1	17927	45774	56698	2.5	12.93	-1695	-78688	SLV 5	17432	39625	63666	2.5	23.37	Si
583	6X/2Y Ø8/14.4	-3541	-74625	SLV 1	17927	45774	56679	2.5	12.93	-1695	-78536	SLV 5	17432	39625	63644	2.5	23.37	Si
612	6X/2Y Ø8/10	-3541	-74473	SLV 1	17927	59506	60981	2.25	16.8	-1695	-78384	SLV 5	17432	57236	63622	2.5	33.76	Si
641	6X/2Y Ø8/10	-3541	-74321	SLV 1	17927	59506	60960	2.25	16.8	-1695	-78232	SLV 5	17432	57236	63601	2.5	33.76	Si
670	6X/2Y Ø8/10	-3541	-74169	SLV 1	17927	59506	60939	2.25	16.8	-1695	-78079	SLV 5	17432	57236	63579	2.5	33.76	Si
690	5X/2Y Ø8/10	-3127	-60698	SLV 1	15123	50690	51070	2.3	16.21	-2378	-63392	SLV 5	15029	48385	53247	2.5	20.34	Si
719	5X/2Y Ø8/10	-3127	-60567	SLV 1	15107	50690	51053	2.3	16.21	-2378	-63262	SLV 5	15029	48385	53229	2.5	20.34	Si
748	5X/2Y Ø8/10	-3127	-60437	SLV 1	15091	50690	51035	2.3	16.21	-2378	-63131	SLV 5	15029	48385	53210	2.5	20.34	Si
777	5X/2Y Ø8/14.4	-3127	-60306	SLV 1	15075	38145	48110	2.5	12.2	-2378	-63001	SLV 5	15029	33497	53192	2.5	14.08	Si
806	5X/2Y Ø8/14.4	-3127	-60176	SLV 1	15058	38145	48094	2.5	12.2	-2378	-62870	SLV 5	15029	33497	53174	2.5	14.08	Si
835	5X/2Y Ø8/14.4	-3127	-60045	SLV 1	15042	38145	48077	2.5	12.2	-2378	-62740	SLV 5	15029	33497	53155	2.5	14.08	Si
864	5X/2Y Ø8/14.4	-3127	-59915	SLV 1	15026	38145	48060	2.5	12.2	-2378	-62609	SLV 5	15023	33497	53137	2.5	14.08	Si
893	5X/2Y Ø8/14.4	-3127	-59784	SLV 1	15010	38145	48043	2.5	12.2	-2378	-62479	SLV 5	15006	33497	53118	2.5	14.08	Si
922	5X/2Y Ø8/10	-3127	-59654	SLV 1	14993	50690	50928	2.3	16.21	-2378	-62348	SLV 5	14988	48385	53100	2.5	20.34	Si
951	5X/2Y Ø8/10	-3127	-59523	SLV 1	14977	50690	50910	2.3	16.21	-2378	-62218	SLV 5	14970	48385	53081	2.5	20.34	Si
980	5X/2Y Ø8/10	-3127	-59393	SLV 1	14961	50690	50892	2.3	16.21	-2378	-62087	SLV 5	14952	48385	53063	2.5	20.34	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1000	4X/2Y Ø8/10	-2938	-46637	SLV 1	12112	40552	42020	2.3	13.8	-1822	-48315	SLV 5	12079	39534	42881	2.5	21.7	Si
1029	4X/2Y Ø8/10	-2938	-46528	SLV 1	12098	40552	42005	2.3	13.8	-1822	-48207	SLV 5	12064	39534	42866	2.5	21.7	Si
1058	4X/2Y Ø8/10	-2938	-46419	SLV 1	12085	40552	41990	2.3	13.8	-1822	-48098	SLV 5	12050	39534	42851	2.5	21.7	Si
1087	4X/2Y Ø8/14.4	-2938	-46310	SLV 1	12071	30516	39584	2.5	10.39	-1822	-47989	SLV 5	12035	27370	42836	2.5	15.03	Si
1116	4X/2Y Ø8/14.4	-2938	-46202	SLV 1	12057	30516	39570	2.5	10.39	-1822	-47880	SLV 5	12020	27370	42821	2.5	15.03	Si
1145	4X/2Y Ø8/14.4	-2938	-46093	SLV 1	12044	30516	39556	2.5	10.39	-1822	-47772	SLV 5	12006	27370	42806	2.5	15.03	Si
1174	4X/2Y Ø8/14.4	-2938	-45984	SLV 1	12030	30516	39542	2.5	10.39	-1822	-47663	SLV 5	11991	27370	42791	2.5	15.03	Si
1203	4X/2Y Ø8/14.4	-2938	-45875	SLV 1	12017	30516	39528	2.5	10.39	-1822	-47554	SLV 5	11977	27370	42776	2.5	15.03	Si
1232	4X/2Y Ø8/10	-2938	-45767	SLV 1	12003	40552	41901	2.3	13.8	-1822	-47445	SLV 5	11962	39534	42761	2.5	21.7	Si
1261	4X/2Y Ø8/10	-2938	-45658	SLV 1	11990	40552	41886	2.3	13.8	-1822	-47337	SLV 5	11948	39534	42746	2.5	21.7	Si
1290	4X/2Y Ø8/10	-2938	-45551	SLV 1	11976	40552	41872	2.3	13.8	-1822	-47230	SLV 5	11933	39534	42731	2.5	21.7	Si
1310	4X/2Y Ø8/10	-2927	-32914	SLV 1	10403	39671	40747	2.25	13.56	-1868	-33656	SLV 5	10115	39534	40849	2.5	21.16	Si
1339	4X/2Y Ø8/10	-2927	-32806	SLV 1	10390	39671	40732	2.25	13.56	-1868	-33548	SLV 5	10100	39534	40834	2.5	21.16	Si
1368	4X/2Y Ø8/10	-2927	-32697	SLV 1	10376	39671	40717	2.25	13.56	-1868	-33439	SLV 5	10085	39534	40819	2.5	21.16	Si
1397	4X/2Y Ø8/14.4	-2927	-32588	SLV 1	10363	30516	37817	2.5	10.43	-1868	-33330	SLV 5	10071	27370	40804	2.5	14.65	Si
1426	4X/2Y Ø8/14.4	-2927	-32479	SLV 1	10349	30516	37803	2.5	10.43	-1868	-33221	SLV 5	10056	27370	40789	2.5	14.65	Si
1455	4X/2Y Ø8/14.4	-2927	-32371	SLV 1	10336	30516	37789	2.5	10.43	-1868	-33113	SLV 5	10042	27370	40774	2.5	14.65	Si
1484	4X/2Y Ø8/14.4	-2927	-32262	SLV 1	10322	30516	37775	2.5	10.43	-1868	-33004	SLV 5	10027	27370	40759	2.5	14.65	Si
1513	4X/2Y Ø8/14.4	-2927	-32153	SLV 1	10308	30516	37761	2.5	10.43	-1868	-32895	SLV 5	10013	27370	40744	2.5	14.65	Si
1542	4X/2Y Ø8/10	-2927	-32044	SLV 1	10295	39671	40626	2.25	13.56	-1868	-32786	SLV 5	9998	39534	40729	2.5	21.16	Si
1571	4X/2Y Ø8/10	-2927	-31936	SLV 1	10281	39671	40611	2.25	13.56	-1868	-32678	SLV 5	9983	39534	40714	2.5	21.16	Si
1600	4X/2Y Ø8/10	-2927	-31827	SLV 1	10268	39671	40596	2.25	13.56	-1868	-32569	SLV 5	9969	39534	40699	2.5	21.16	Si
1620	4X/2Y Ø8/10	-3513	-19997	SLV 1	8795	38789	39542	2.2	11.04	-2033	-19021	SLV 5	8153	38743	39389	2.45	19.05	Si
1649	4X/2Y Ø8/10	-3513	-19890	SLV 1	8782	38789	39527	2.2	11.04	-2033	-18914	SLV 5	8139	38743	39374	2.45	19.05	Si
1678	4X/2Y Ø8/10	-3513	-19781	SLV 1	8768	38789	39511	2.2	11.04	-2033	-18805	SLV 5	8125	38743	39359	2.45	19.05	Si
1707	4X/2Y Ø8/14.4	-3513	-19673	SLV 1	8755	30516	36153	2.5	8.69	-2033	-18697	SLV 5	8110	27370	38776	2.5	13.46	Si
1736	4X/2Y Ø8/14.4	-3513	-19564	SLV 1	8741	30516	36139	2.5	8.69	-2033	-18588	SLV 5	8095	27370	38761	2.5	13.46	Si
1765	4X/2Y Ø8/14.4	-3513	-19455	SLV 1	8728	30516	36125	2.5	8.69	-2033	-18479	SLV 5	8081	27370	38746	2.5	13.46	Si
1794	4X/2Y Ø8/14.4	-3513	-19346	SLV 1	8714	30516	36111	2.5	8.69	-2033	-18370	SLV 5	8066	27370	38731	2.5	13.46	Si
1823	4X/2Y Ø8/14.4	-3513	-19238	SLV 1	8700	30516	36097	2.5	8.69	-2033	-18262	SLV 5	8052	27370	38715	2.5	13.46	Si
1852	4X/2Y Ø8/10	-3513	-19129	SLV 1	8687	38789	39420	2.2	11.04	-2033	-18153	SLV 5	8037	38743	39267	2.45	19.05	Si
1881	4X/2Y Ø8/10	-3513	-19020	SLV 1	8673	38789	39404	2.2	11.04	-2033	-18044	SLV 5	8023	38743	39252	2.45	19.05	Si
1910	4X/2Y Ø8/10	-3513	-18913	SLV 1	8660	38789	39389	2.2	11.04	-2033	-17937	SLV 5	8008	38743	39237	2.45	19.05	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	6X/2Y Ø8/10	-718	-101554	SLD 1	21471	66118	58834	2.5	81.91	-1535	-103570	SLD 5	21656	57236	65483	2.5	37.3	Si
-111	6X/2Y Ø8/10	-718	-101402	SLD 1	21452	66118	58834	2.5	81.91	-1535	-103418	SLD 5	21635	57236	65483	2.5	37.3	Si
-81	6X/2Y Ø8/10	-718	-101248	SLD 1	21433	66118	58834	2.5	81.91	-1535	-103264	SLD 5	21613	57236	65483	2.5	37.3	Si
-52	6X/2Y Ø8/10	-718	-101093	SLD 1	21414	66118	58834	2.5	81.91	-1535	-103109	SLD 5	21592	57236	65483	2.5	37.3	Si
-22	6X/2Y Ø8/15	-718	-100939	SLD 1	21394	44078	58834	2.5	61.37	-1535	-102955	SLD 5	21571	38157	65483	2.5	24.86	Si
7	6X/2Y Ø8/15	-718	-100784	SLD 1	21375	44078	58834	2.5	61.37	-1535	-102800	SLD 5	21549	38157	65483	2.5	24.86	Si
36	6X/2Y Ø8/15	-718	-100630	SLD 1	21356	44078	58834	2.5	61.37	-1535	-102646	SLD 5	21528	38157	65483	2.5	24.86	Si
66	6X/2Y Ø8/15	-718	-100476	SLD 1	21337	44078	58834	2.5	61.37	-1535	-102491	SLD 5	21506	38157	65483	2.5	24.86	Si
95	6X/2Y Ø8/15	-718	-100321	SLD 1	21318	44078	58834	2.5	61.37	-1535	-102337	SLD 5	21485	38157	65483	2.5	24.86	Si
125	6X/2Y Ø8/15	-718	-100165	SLD 1	21298	44078	58834	2.5	61.37	-1535	-102181	SLD 5	21463	38157	65483	2.5	24.86	Si
154	6X/2Y Ø8/15	-718	-100012	SLD 1	21279	44078	58834	2.5	61.37	-1535	-102028	SLD 5	21442	38157	65483	2.5	24.86	Si
184	6X/2Y Ø8/15	-718	-99858	SLD 1	21260	44078	58834	2.5	61.37	-1535	-101874	SLD 5	21421	38157	65483	2.5	24.86	Si
213	6X/2Y Ø8/15	-718	-99706	SLD 1	21241	44078	58834	2.5	61.37	-1535	-101722	SLD 5	21400	38157	65483	2.5	24.86	Si
242	6X/2Y Ø8/10	-718	-99549	SLD 1	21221	66118	58834	2.5	81.91	-1535	-101565	SLD 5	21378	57236	65483	2.5	37.3	Si
272	6X/2Y Ø8/10	-718	-99395	SLD 1	21202	66118	58834	2.5	81.91	-1535	-101411	SLD 5	21357	57236	65483	2.5	37.3	Si
301	6X/2Y Ø8/10	-718	-99240	SLD 1	21183	66118	58834	2.5	81.91	-1535	-101256	SLD 5	21335	57236	65483	2.5	37.3	Si
331	6X/2Y Ø8/10	-718	-99086	SLD 1	21164	66118	58834	2.5	81.91	-1535	-101102	SLD 5	21314	57236	65483	2.5	37.3	Si
360	6X/2Y Ø8/10	-718	-98934	SLD 1	21145	66118	58834	2.5	81.91	-1535	-100950	SLD 5	21293	57236	65483	2.5	37.3	Si
380	6X/2Y Ø8/10	-1811	-83173	SLD 1	19183	66118	57779	2.5	31.9	-805	-84714	SLD 5	19043	57236	64530	2.5	71.09	Si
409	6X/2Y Ø8/10	-1811	-83024	SLD 1	19164	66118	57760	2.5	31.89	-805	-84564	SLD 5	19022	57236	64508	2.5	71.09	Si
438	6X/2Y Ø8/10	-1811	-82871	SLD 1	19145	66118	57741	2.5	31.87	-805	-84412	SLD 5	19001	57236	64486	2.5	71.09	Si
467	6X/2Y Ø8/14.4	-1811	-82719	SLD 1	19126	45774	57721	2.5	25.27	-805	-84260	SLD 5	18980	39625	64465	2.5	49.22	Si
496	6X/2Y Ø8/14.4	-1811	-82567	SLD 1	19107	45774	57701	2.5	25.27	-805	-84107	SLD 5	18959	39625	64443	2.5	49.22	Si
525	6X/2Y Ø8/14.4	-1811	-82415	SLD 1	19088	45774	57682	2.5	25.27	-805	-83955	SLD 5	18938	39625	64421	2.5	49.22	Si
554	6X/2Y Ø8/14.4	-1811	-82262	SLD 1	19069	45774	57662	2.5	25.27	-805	-83803	SLD 5	18917	39625	64399	2.5	49.22	Si
583	6X/2Y Ø8/14.4	-1811	-82110	SLD 1	19050	45774	57643	2.5	25.27	-805	-83651	SLD 5	18896	39625	64377	2.5	49.22	Si
612	6X/2Y Ø8/10	-1811	-81958	SLD 1	19031	66118	57623	2.5	31.81	-805	-83498	SLD 5	18875	57236	64356	2.5	71.09	Si
641	6X/2Y Ø8/10	-1811	-81806	SLD 1	19012	66118	57603	2.5	31.8	-805	-83346	SLD 5	18853	57236	64334	2.5	71.09	Si
670	6X/2Y Ø8/10	-1811	-81653	SLD 1	18993	66118	57584	2.5	31.79	-805	-83194	SLD 5	18832	57236	64312	2.5	71.09	Si
690	5X/2Y Ø8/10	-1665	-65768	SLD 1	15755	55098	48814	2.5	29.31	-1169	-66855	SLD 5	15604	48385	53737	2.5	41.38	Si
719	5X/2Y Ø8/10	-1665	-65637	SLD 1	15738	55098	48797	2.5	29.3	-1169	-66724	SLD 5	15586	48385	53718	2.5	41.38	Si
748	5X/2Y Ø8/10	-1665	-65507	SLD 1	15722	55098	48780	2.5	29.29	-1169	-66594	SLD 5	15568	48385	53700	2.5	41.38	Si
777	5X/2Y Ø8/14.4	-1665	-65376	SLD 1	15706	38145	48763	2.5	22.9	-1169	-66463	SLD 5	15550	33497	53681	2.5	28.65	Si
806	5X/2Y Ø8/14.4	-1665	-65246	SLD 1	15690	38145	48747	2.5	22.9	-1169	-66333	SLD 5	15532	33497	53663	2.5	28.65	Si
835	5X/2Y Ø8/14.4	-1665	-65115	SLD 1	15673	38145	48730	2.5	22.9	-1169	-66202	SLD 5	15514	33497	53645	2.5	28.65	Si
864	5X/2Y Ø8/14.4	-1665	-64985	SLD 1	15657	38145	48713	2.5	22.9	-1169	-66072	SLD 5	15497	33497	53626	2.5	28.65	Si
893	5X/2Y Ø8/14.4	-1665	-64854	SLD 1	15641	38145	48696	2.5	22.9	-1169	-65941	SLD 5	15479	33497	53608	2.5	28.65	Si
922	5X/2Y Ø8/10	-1665	-64724	SLD 1	15625	55098	48679	2.5	29.23	-1169	-65811	SLD 5	15461	48385	53589	2.5	41.38	Si
951	5X/2Y Ø8/10	-1665	-64593	SLD 1	15608	55098	48663	2.5	29.22	-1169	-65680	SLD 5	15443	48385	53571	2.5	41.38	Si
980	5X/2Y Ø8/10	-1665	-64463	SLD 1	15592	55098	48646	2.5	29.21	-1169	-65550	SLD 5	15425	48385	53552	2.5	41.38	Si
1000	4X/2Y Ø8/10	-1630	-49692	SLD 1	12492	44078	40019	2.5	24.56	-927	-50397	SLD 5	12358	39534	43170	2.5	42.67	Si
1029	4X/2Y Ø8/10	-1630	-49583	SLD 1	12478	44078	40005	2.5	24.55	-927	-50288	SLD 5	12343	39534	43155	2.5	42.67	Si
1058	4X/2Y Ø8/10	-1630	-49474	SLD 1	12465	44078	39991	2.5	24.54	-927	-50179	SLD 5	12329	39534	43140	2.5	42.67	Si
1087	4X/2Y Ø8/14.4	-1630	-49365	SLD 1	12451	30516	39977	2.5	18.72	-927	-50071	SLD 5	12314	27370	43125	2.5	29.54	Si
1116	4X/2Y Ø8/14.4	-1630	-49257	SLD 1	12438	30516	39963	2.5	18.72	-927	-49962	SLD 5	12299	27370	43110	2.5	29.54	Si
1145	4X/2Y Ø8/14.4	-1630	-49148	SLD 1	12424	30516	39949	2.5	18.72	-927	-49853	SLD 5	12285	27370	43095	2.5	29.54	Si
1174	4X/2Y Ø8/14.4	-1630	-49039	SLD 1	12411	30516	39935	2.5	18.72	-927	-49744	SLD 5	12270	27370	43080	2.5	29.54	Si
1203	4X/2Y Ø8/14.4	-1630	-48930	SLD 1	12397	30516	39921	2.5	18.72	-927	-49636	SLD 5	12256	27370	43064	2.5	29.54	Si
1232	4X/2Y Ø8/10	-1630	-48822	SLD 1	12384	44078	39907	2.5	24.49	-927	-49527	SLD 5	12241	39534	43049	2.5	42.67	Si
1261	4X/2Y Ø8/10	-1630	-48713	SLD 1	12370	44078	39893	2.5	24.48	-927	-49418	SLD 5	12227	39534	43034	2.5	42.67	Si
1290	4X/2Y Ø8/10	-1630	-48606	SLD 1	12357	44078	39880	2.5	24.47	-927	-49311	SLD 5	12212	39534	43019	2.5	42.67	Si
1310	4X/2Y Ø8/10	-1687	-34272	SLD 1	10572	44078	38034	2.5	22.55	-978	-34603	SLD 5	10241	39534	40981	2.5	40.41	Si
1339	4X/2Y Ø8/10	-1687	-34164	SLD 1	10559	44078	38020	2.5	22.54	-978	-34495	SLD 5	10227	39534	40966	2.5	40.41	Si
1368	4X/2Y Ø8/10	-1687	-34055	SLD 1	10545	44078	38006	2.5	22.53	-978	-34386	SLD 5	10212	39534	40951	2.5	40.41	Si
1397	4X/2Y Ø8/14.4	-1687	-33946	SLD 1	10532	30516	37992	2.5	18.09	-978	-34277	SLD 5	10198	27370	40935	2.5	27.97	Si
1426	4X/2Y Ø8/14.4	-1687	-33837	SLD 1	10518	30516	37978	2.5	18.09	-978	-34168	SLD 5	10183	27370	40920	2.5	27.97	Si
1455	4X/2Y Ø8/14.4	-1687	-33729	SLD 1	10505	30516	37964	2.5	18.09	-978	-34060	SLD 5	10169	27370	40905	2.5	27.97	Si
1484	4X/2Y Ø8/14.4	-1687	-33620	SLD 1	10491	30516	37950	2.5	18.09	-978	-33951	SLD 5	10154	27370	40890	2.5	27.97	Si
1513	4X/2Y Ø8/14.4	-1687	-33511	SLD 1	10478	30516	37936	2.5	18.09	-978	-33842	SLD 5	10139	27370	40875	2.5	27.97	Si
1542	4X/2Y Ø8/10	-1687	-33402	SLD 1	10464	44078	37922	2.5	22.48	-978	-33733	SLD 5	10125	39534	40860	2.5	40.41	Si
1571	4X/2Y Ø8/10	-1687	-33294	SLD 1	10450	44078	37908	2.5	22.47	-978	-33625	SLD 5	10110	39534	40845	2.5	40.41	Si
1600	4X/2Y Ø8/10	-1687	-33185	SLD 1	10437	44078	37894	2.5	22.46	-978	-33516	SLD 5	10096	39534	40830	2.5	40.41	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1620	4X/2Y Ø8/10	-2202	-19735	SLD 1	8762	44078	36161	2.5	16.42	-1192	-19316	SLD 5	8193	39534	38862	2.5	32.6	Si
1649	4X/2Y Ø8/10	-2202	-19628	SLD 1	8749	44078	36147	2.5	16.41	-1192	-19209	SLD 5	8179	39534	38847	2.5	32.59	Si
1678	4X/2Y Ø8/10	-2202	-19519	SLD 1	8736	44078	36133	2.5	16.41	-1192	-19100	SLD 5	8164	39534	38832	2.5	32.57	Si
1707	4X/2Y Ø8/14.4	-2202	-19411	SLD 1	8722	30516	36119	2.5	13.86	-1192	-18992	SLD 5	8149	27370	38817	2.5	22.96	Si
1736	4X/2Y Ø8/14.4	-2202	-19302	SLD 1	8708	30516	36105	2.5	13.86	-1192	-18883	SLD 5	8135	27370	38802	2.5	22.96	Si
1765	4X/2Y Ø8/14.4	-2202	-19193	SLD 1	8695	30516	36091	2.5	13.86	-1192	-18774	SLD 5	8120	27370	38786	2.5	22.96	Si
1794	4X/2Y Ø8/14.4	-2202	-19084	SLD 1	8681	30516	36077	2.5	13.86	-1192	-18665	SLD 5	8106	27370	38771	2.5	22.96	Si
1823	4X/2Y Ø8/14.4	-2202	-18976	SLD 1	8668	30516	36063	2.5	13.86	-1192	-18557	SLD 5	8091	27370	38756	2.5	22.96	Si
1852	4X/2Y Ø8/10	-2202	-18867	SLD 1	8654	44078	36049	2.5	16.37	-1192	-18448	SLD 5	8077	39534	38741	2.5	32.5	Si
1881	4X/2Y Ø8/10	-2202	-18758	SLD 1	8641	44078	36035	2.5	16.36	-1192	-18339	SLD 5	8062	39534	38726	2.5	32.48	Si
1910	4X/2Y Ø8/10	-2202	-18651	SLD 1	8627	44078	36022	2.5	16.36	-1192	-18232	SLD 5	8048	39534	38711	2.5	32.47	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	229195	162987	-117476	SLE RA 7	-68.4	229195	162987	-117476	SLE RA 7	-939.6	Si
-111	204989	144176	-117324	SLE RA 7	-66	204989	144176	-117324	SLE RA 7	-913.9	Si
-81	180364	125039	-117170	SLE RA 7	-63.6	180364	125039	-117170	SLE RA 7	-887.6	Si
-52	155738	105903	-117016	SLE RA 7	-61.2	155738	105903	-117016	SLE RA 7	-861.4	Si
-22	131113	86766	-116861	SLE RA 7	-58.8	97692	56283	-123864	SLE RA 13	-840.2	Si
7	80569	43175	-123709	SLE RA 13	-56.4	80569	43175	-123709	SLE RA 13	-821.8	Si
36	63446	30067	-123555	SLE RA 13	-54.7	63446	30067	-123555	SLE RA 13	-803.4	Si
66	46323	16958	-123401	SLE RA 13	-53.1	46323	16958	-123401	SLE RA 13	-785.1	Si
95	29200	3850	-123246	SLE RA 13	-51.4	29200	3850	-123246	SLE RA 13	-766.7	Si
125	12887	-8977	-123091	SLE RA 12	-51.1	12887	-8977	-123091	SLE RA 12	-762.4	Si
154	-5046	-22366	-122937	SLE RA 13	-51.9	-5046	-22366	-122937	SLE RA 13	-768.1	Si
184	-22169	-35475	-122783	SLE RA 13	-53.4	-22169	-35475	-122783	SLE RA 13	-784.6	Si
213	-39035	-48386	-122631	SLE RA 13	-54.9	-39035	-48386	-122631	SLE RA 13	-800.8	Si
242	-90514	-85462	-115471	SLE RA 7	-56.7	-56415	-61691	-122474	SLE RA 13	-817.6	Si
272	-115139	-104599	-115317	SLE RA 7	-59	-73538	-74800	-122320	SLE RA 13	-834.1	Si
301	-139765	-123735	-115163	SLE RA 7	-61.3	-139765	-123735	-115163	SLE RA 7	-856.5	Si
331	-164390	-142872	-115008	SLE RA 7	-63.6	-164390	-142872	-115008	SLE RA 7	-880.9	Si
360	-188597	-161683	-114856	SLE RA 7	-65.8	-188597	-161683	-114856	SLE RA 7	-904.8	Si
380	57826	113759	-102238	SLE RA 12	-52.4	57826	113759	-102238	SLE RA 12	-734.1	Si
409	48443	91399	-102089	SLE RA 12	-50.3	48443	91399	-102089	SLE RA 12	-712.2	Si
438	38895	68647	-101936	SLE RA 12	-48.1	38895	68647	-101936	SLE RA 12	-690	Si
467	29347	45894	-101784	SLE RA 12	-45.9	29347	45894	-101784	SLE RA 12	-667.7	Si
496	19799	23142	-101632	SLE RA 12	-43.8	19799	23142	-101632	SLE RA 12	-645.4	Si
525	-33030	-10478	-101924	SLE RA 13	-43.4	-33030	-10478	-101924	SLE RA 13	-643.5	Si
554	-32913	-31374	-101771	SLE RA 13	-44.9	-32913	-31374	-101771	SLE RA 13	-658.2	Si
583	-32796	-52270	-101619	SLE RA 13	-46.5	-32796	-52270	-101619	SLE RA 13	-673	Si
612	-32680	-73166	-101467	SLE RA 13	-48.1	-32680	-73166	-101467	SLE RA 13	-687.8	Si
641	-32563	-94062	-101315	SLE RA 13	-49.5	-32563	-94062	-101315	SLE RA 13	-701.4	Si
670	-32446	-114958	-101162	SLE RA 13	-48.9	-32446	-114958	-101162	SLE RA 13	-687.5	Si
690	83044	112762	-80932	SLE RA 12	-51.3	83044	112762	-80932	SLE RA 12	-705.4	Si
719	67601	88946	-80801	SLE RA 12	-49.2	67601	88946	-80801	SLE RA 12	-686.3	Si
748	52158	65130	-80671	SLE RA 12	-46.8	52158	65130	-80671	SLE RA 12	-663.8	Si
777	36714	41315	-80540	SLE RA 12	-43.8	35650	39842	-80890	SLE RA 13	-633.4	Si
806	21428	16603	-80760	SLE RA 13	-41	21428	16603	-80760	SLE RA 13	-603.6	Si
835	7206	-6637	-80629	SLE RA 13	-39.3	7206	-6637	-80629	SLE RA 13	-585.6	Si
864	-7016	-29876	-80499	SLE RA 13	-41.4	-7016	-29876	-80499	SLE RA 13	-605.1	Si
893	-25058	-53948	-80018	SLE RA 12	-44.2	-25058	-53948	-80018	SLE RA 12	-633.5	Si
922	-40501	-77764	-79888	SLE RA 12	-47	-40501	-77764	-79888	SLE RA 12	-662.6	Si
951	-55944	-101580	-79757	SLE RA 12	-49.8	-55944	-101580	-79757	SLE RA 12	-690.4	Si
980	-71387	-125395	-79627	SLE RA 12	-49.9	-71387	-125395	-79627	SLE RA 12	-685.5	Si
1000	65778	121500	-61442	SLE RA 12	-51.4	65778	121500	-61442	SLE RA 12	-688.2	Si
1029	52044	95710	-61333	SLE RA 12	-48.6	52044	95710	-61333	SLE RA 12	-662.8	Si
1058	36972	69609	-61477	SLE RA 13	-45.5	36972	69609	-61477	SLE RA 13	-633.9	Si
1087	24103	44051	-61368	SLE RA 13	-41.8	24103	44051	-61368	SLE RA 13	-595.2	Si
1116	11233	18494	-61259	SLE RA 13	-38	11233	18494	-61259	SLE RA 13	-556.6	Si
1145	-1636	-7064	-61150	SLE RA 13	-36	-1636	-7064	-61150	SLE RA 13	-535.6	Si
1174	-16628	-33243	-60789	SLE RA 12	-39.7	-16628	-33243	-60789	SLE RA 12	-572.7	Si
1203	-30362	-59034	-60681	SLE RA 12	-43.5	-30362	-59034	-60681	SLE RA 12	-610.4	Si
1232	-44097	-84824	-60572	SLE RA 12	-47.2	-44097	-84824	-60572	SLE RA 12	-648.1	Si
1261	-57831	-110615	-60463	SLE RA 12	-50.9	-57831	-110615	-60463	SLE RA 12	-685.9	Si
1290	-71329	-135960	-60356	SLE RA 12	-54.6	-71329	-135960	-60356	SLE RA 12	-723	Si
1310	82453	140663	-42842	SLE RA 12	-45.8	82453	140663	-42842	SLE RA 12	-586.1	Si
1339	66754	112202	-42733	SLE RA 12	-41.5	64731	112409	-42907	SLE RA 13	-542.1	Si
1368	49713	83944	-42798	SLE RA 13	-37.3	49713	83944	-42798	SLE RA 13	-498.6	Si
1397	34694	55480	-42689	SLE RA 13	-33	34694	55480	-42689	SLE RA 13	-455.1	Si
1426	19675	27015	-42580	SLE RA 13	-28.8	19675	27015	-42580	SLE RA 13	-411.6	Si
1455	4657	-1450	-42472	SLE RA 13	-24.9	4657	-1450	-42472	SLE RA 13	-371.2	Si
1484	-11744	-30103	-42190	SLE RA 12	-28.4	-10362	-29915	-42363	SLE RA 13	-405.3	Si
1513	-27443	-58564	-42081	SLE RA 12	-32.5	-27443	-58564	-42081	SLE RA 12	-447.3	Si
1542	-43143	-87025	-41972	SLE RA 12	-36.7	-43143	-87025	-41972	SLE RA 12	-489.5	Si
1571	-58842	-115486	-41863	SLE RA 12	-40.8	-58842	-115486	-41863	SLE RA 12	-531.7	Si
1600	-74542	-143947	-41755	SLE RA 12	-45	-74542	-143947	-41755	SLE RA 12	-573.9	Si
1620	95590	182391	-25157	SLE RA 12	-41.2	95590	182391	-25157	SLE RA 12	-489	Si
1649	71812	139426	-25051	SLE RA 12	-34.7	71812	139426	-25051	SLE RA 12	-422.9	Si
1678	47617	95708	-24942	SLE RA 12	-28.2	47617	95708	-24942	SLE RA 12	-355.7	Si
1707	22999	52029	-24938	SLE RA 13	-21.7	22999	52029	-24938	SLE RA 13	-289	Si
1736	-461	8403	-24829	SLE RA 13	-15.2	-461	8403	-24829	SLE RA 13	-223.2	Si
1765	-24969	-35448	-24616	SLE RA 12	-19.8	-24969	-35448	-24616	SLE RA 12	-270.1	Si
1794	-49164	-79166	-24507	SLE RA 12	-26.2	-49164	-79166	-24507	SLE RA 12	-335.5	Si
1823	-73360	-122885	-24398	SLE RA 12	-32.6	-73360	-122885	-24398	SLE RA 12	-400.9	Si
1852	-97555	-166603	-24289	SLE RA 12	-39.1	-97555	-166603	-24289	SLE RA 12	-466.2	Si
1881	-121750	-210322	-24181	SLE RA 12	-51.6	-121750	-210322	-24181	SLE RA 12	-582.4	Si
1910	-145529	-253286	-24074	SLE RA 12	-63.1	-145529	-253286	-24074	SLE RA 12	-684.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	13405	24457	-107927	SLE QP 2	-46.2	Si
-111	12412	20935	-107775	SLE QP 2	-45.8	Si
-81	11402	17353	-107620	SLE QP 2	-45.5	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
-52	10392	13770	-107466	SLE QP 2	-45.1	Si
-22	9382	10187	-107312	SLE QP 2	-44.7	Si
7	8372	6605	-107157	SLE QP 2	-44.3	Si
36	7362	3022	-107003	SLE QP 2	-44	Si
66	6352	-560	-106848	SLE QP 2	-43.7	Si
95	5341	-4143	-106694	SLE QP 2	-43.8	Si
125	4321	-7761	-106538	SLE QP 2	-44	Si
154	3321	-11308	-106385	SLE QP 2	-44.2	Si
184	2311	-14891	-106231	SLE QP 2	-44.4	Si
213	1316	-18420	-106079	SLE QP 2	-44.6	Si
242	291	-22056	-105922	SLE QP 2	-44.8	Si
272	-720	-25639	-105767	SLE QP 2	-45	Si
301	-1730	-29221	-105613	SLE QP 2	-45.2	Si
331	-2740	-32804	-105459	SLE QP 2	-45.5	Si
360	-3733	-36325	-105307	SLE QP 2	-45.7	Si
380	44507	101728	-88038	SLE QP 2	-45.2	Si
409	37811	81767	-87889	SLE QP 2	-43.4	Si
438	30998	61455	-87736	SLE QP 2	-41.5	Si
467	24184	41144	-87584	SLE QP 2	-39.6	Si
496	17371	20832	-87432	SLE QP 2	-37.7	Si
525	10557	520	-87280	SLE QP 2	-35.9	Si
554	3744	-19791	-87127	SLE QP 2	-37.1	Si
583	-3069	-40103	-86975	SLE QP 2	-38.6	Si
612	-9883	-60414	-86823	SLE QP 2	-40.3	Si
641	-16696	-80726	-86671	SLE QP 2	-42	Si
670	-23510	-101038	-86518	SLE QP 2	-41.9	Si
690	63232	100380	-69180	SLE QP 2	-43.8	Si
719	51752	79206	-69050	SLE QP 2	-42	Si
748	40273	58032	-68919	SLE QP 2	-40	Si
777	28794	36858	-68789	SLE QP 2	-37.5	Si
806	17314	15684	-68658	SLE QP 2	-34.9	Si
835	5835	-5491	-68528	SLE QP 2	-33.4	Si
864	-5645	-26665	-68397	SLE QP 2	-35.3	Si
893	-17124	-47839	-68267	SLE QP 2	-37.7	Si
922	-28603	-69013	-68136	SLE QP 2	-40.1	Si
951	-40083	-90187	-68006	SLE QP 2	-42.4	Si
980	-51562	-111361	-67875	SLE QP 2	-42.5	Si
1000	49077	107547	-51885	SLE QP 2	-43.5	Si
1029	38844	84773	-51776	SLE QP 2	-41.1	Si
1058	28611	61999	-51667	SLE QP 2	-38.5	Si
1087	18378	39225	-51558	SLE QP 2	-35.2	Si
1116	8145	16452	-51450	SLE QP 2	-31.9	Si
1145	-2088	-6322	-51341	SLE QP 2	-30.3	Si
1174	-12321	-29096	-51232	SLE QP 2	-33.5	Si
1203	-22554	-51870	-51123	SLE QP 2	-36.6	Si
1232	-32787	-74644	-51015	SLE QP 2	-39.8	Si
1261	-43020	-97418	-50906	SLE QP 2	-43	Si
1290	-53076	-119799	-50799	SLE QP 2	-46.1	Si
1310	61789	123074	-35362	SLE QP 2	-38.2	Si
1339	50094	98225	-35253	SLE QP 2	-34.5	Si
1368	38399	73376	-35144	SLE QP 2	-30.9	Si
1397	26704	48527	-35035	SLE QP 2	-27.3	Si
1426	15009	23678	-34927	SLE QP 2	-23.7	Si
1455	3314	-1171	-34818	SLE QP 2	-20.4	Si
1484	-8381	-26020	-34709	SLE QP 2	-23.4	Si
1513	-20075	-50869	-34600	SLE QP 2	-26.9	Si
1542	-31770	-75718	-34492	SLE QP 2	-30.4	Si
1571	-43465	-100568	-34383	SLE QP 2	-33.8	Si
1600	-55160	-125417	-34274	SLE QP 2	-37.3	Si
1620	73154	157070	-19546	SLE QP 2	-33.6	Si
1649	54874	120223	-19439	SLE QP 2	-28.2	Si
1678	36273	82729	-19330	SLE QP 2	-22.7	Si
1707	17672	45235	-19222	SLE QP 2	-17.3	Si
1736	-929	7742	-19113	SLE QP 2	-11.9	Si
1765	-19530	-29752	-19004	SLE QP 2	-15.5	Si
1794	-38130	-67246	-18895	SLE QP 2	-20.9	Si
1823	-56731	-104739	-18787	SLE QP 2	-26.3	Si
1852	-75332	-142233	-18678	SLE QP 2	-31.6	Si
1881	-93933	-179727	-18569	SLE QP 2	-43.3	Si
1910	-112213	-216574	-18462	SLE QP 2	-53.3	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

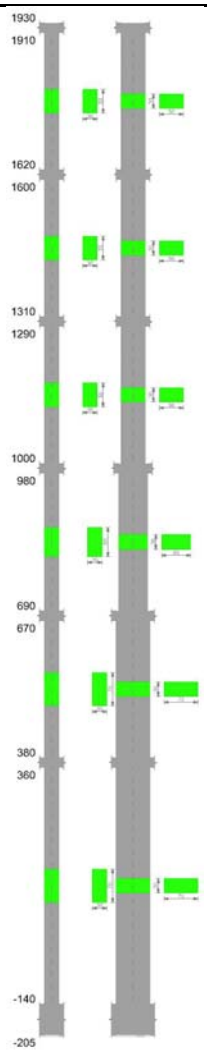
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.

Pilastro 11

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x70	No	No	No	No		C30/37	B450C	
380	670	R 30x70	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	
1620	1910	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.67	-29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.67	29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.67	29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	-18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	-6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	-18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	-6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.2	-9.67	-29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.67	-29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.67	29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.67	29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	-18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	-6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	-18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	-6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	18.42	1.6	2.011	-140	380	R 30x70	B450C
p.3	-9.67	-29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	9.67	-29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	9.67	29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	-9.67	29.67	1.6	2.011	380	690	R 30x70	B450C
p.5	-9.9	-18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	-9.9	18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	9.9	-18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	9.9	18.42	1.6	2.011	380	690	R 30x70	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	-9.9	-6.14	1.6	2.011	380	690	R 30x70	B450C
p.6	-9.9	6.14	1.6	2.011	380	690	R 30x70	B450C
p.6	9.9	-6.14	1.6	2.011	380	690	R 30x70	B450C
p.6	9.9	6.14	1.6	2.011	380	690	R 30x70	B450C
p.7	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.7	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.9	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.9	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.9	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.9	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.10	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.10	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.11	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.12	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.12	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.13	-9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.13	9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.13	9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.13	-9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.14	-9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.14	-9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.14	9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.14	9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	2.3	0	1,2	-761862	663309	-244538	-1103983	961175	SLU 52	1.449	Si
-111	24.13	2.3	0	1,2	-695671	662774	-244341	-1013409	965487	SLU 52	1.457	Si
-81	24.13	1.1	0	2	-662230	662230	-244140	-967634	967634	SLU 52	1.461	Si
-52	24.13	1.1	0	2	-661685	661685	-243939	-967634	967634	SLU 52	1.462	Si
-22	24.13	1.1	0	2	-661141	661141	-243738	-967634	967634	SLU 52	1.464	Si
7	24.13	1.1	0	2	-660596	660596	-243538	-967634	967634	SLU 52	1.465	Si
36	24.13	1.1	0	2	-660052	660052	-243337	-967634	967634	SLU 52	1.466	Si
66	24.13	1.1	0	2	-659507	659507	-243136	-967634	967634	SLU 52	1.467	Si
95	24.13	1.1	0	2	-658963	658963	-242936	-967634	967634	SLU 52	1.468	Si
125	24.13	1.1	0	2	-658413	-658413	-242733	-967634	-967634	SLU 52	1.47	Si
154	24.13	1.1	0	2	-657874	-657874	-242534	-967634	-967634	SLU 52	1.471	Si
184	24.13	1.1	0	2	-657329	-657329	-242333	-967634	-967634	SLU 52	1.472	Si
213	24.13	1.1	0	2	656793	-656793	-242136	967634	-967634	SLU 52	1.473	Si
242	24.13	1.1	0	2	656240	-656240	-241932	967634	-967634	SLU 52	1.475	Si
272	24.13	1.1	0	2	655696	-655696	-241731	967634	-967634	SLU 52	1.476	Si
301	24.13	1.1	0	2	655151	-655151	-241530	967634	-967634	SLU 52	1.477	Si
331	24.13	1.1	0	2	654607	-654607	-241330	967634	-967634	SLU 52	1.478	Si
360	24.13	1.1	0	2	654071	-654071	-241132	967634	-967634	SLU 52	1.479	Si
380	24.13	2.3	0	2,3,5,6	410741	410741	-205371	763108	763108	SLU 52	1.858	Si
409	24.13	2.3	0	2,3,5,6	410345	410345	-205173	763108	763108	SLU 52	1.86	Si
438	24.13	1.1	0	3,5,6	409949	409949	-204975	763108	763108	SLU 52	1.861	Si
467	24.13	1.1	0	3,5,6	409554	409554	-204777	763108	763108	SLU 52	1.863	Si
496	24.13	1.1	0	3,5,6	409158	409158	-204579	763108	763108	SLU 52	1.865	Si
525	24.13	1.1	0	3,5,6	408762	-408762	-204381	763108	-763108	SLU 52	1.867	Si
554	24.13	1.1	0	3,5,6	408366	-408366	-204183	763108	-763108	SLU 52	1.869	Si
583	24.13	1.1	0	3,5,6	407970	-407970	-203985	763108	-763108	SLU 52	1.87	Si
612	24.13	1.1	0	3,5,6	407574	-407574	-203787	763108	-763108	SLU 52	1.872	Si
641	24.39	1.5	0	3,4,5,6	-407178	-407178	-203589	-764835	-764835	SLU 52	1.878	Si
670	31.44	1.9	0	3,4,5,6	-406789	-406789	-203395	-811233	-811233	SLU 52	1.994	Si
690	24.13	2.5	0	4,5,6,7,9,10	335715	335715	-167857	673235	673235	SLU 52	2.005	Si
719	21.83	2.5	0	4,5,6,7,9,10	335375	335375	-167688	658510	658510	SLU 52	1.964	Si
748	20.11	1.1	0	7,9,10	335036	335036	-167518	647491	647491	SLU 52	1.933	Si
777	20.11	1.1	0	7,9,10	334697	334697	-167348	647491	647491	SLU 52	1.935	Si
806	20.11	1.1	0	7,9,10	-334357	334357	-167179	-647491	647491	SLU 52	1.937	Si
835	20.11	1.1	0	7,9,10	-334018	334018	-167009	-647491	647491	SLU 52	1.938	Si
864	20.11	1.1	0	7,9,10	-333679	-333679	-166839	-647491	-647491	SLU 52	1.94	Si
893	20.11	1.1	0	7,9,10	-333339	-333339	-166670	-647491	-647491	SLU 52	1.942	Si
922	20.11	1.1	0	7,9,10	-333000	-333000	-166500	-647491	-647491	SLU 52	1.944	Si
951	20.37	1.6	0	7,8,9,10	-332661	-332661	-166330	-649217	-649217	SLU 52	1.952	Si
980	27.42	2	0	7,8,9,10	-332327	-332327	-166164	-695580	-695580	SLU 52	2.093	Si
1000	20.11	2.4	0	8,9,10,11	263238	263238	-131619	556148	556148	SLU 52	2.113	Si
1029	17.8	2.4	0	8,9,10,11	262955	262955	-131478	541580	541580	SLU 52	2.06	Si
1058	16.08	1.1	0	11	262673	262673	-131336	530708	530708	SLU 52	2.02	Si
1087	16.08	1.1	0	11	262390	262390	-131195	530708	530708	SLU 52	2.023	Si
1116	16.08	1.1	0	11	262107	262107	-131054	530708	530708	SLU 52	2.025	Si
1145	16.08	1.1	0	11	261824	261824	-130912	530708	530708	SLU 52	2.027	Si
1174	16.08	1.1	0	11	-261542	-261542	-130771	-530708	-530708	SLU 52	2.029	Si
1203	16.08	1.1	0	11	-261259	-261259	-130629	-530708	-530708	SLU 52	2.031	Si
1232	16.08	1.1	0	11	-260976	-260976	-130488	-530708	-530708	SLU 52	2.034	Si
1261	16.08	1.1	0	11	-260693	-260693	-130347	-530708	-530708	SLU 52	2.036	Si
1290	16.08	1.1	0	11	-260416	-260416	-130208	-530708	-530708	SLU 52	2.038	Si
1310	16.08	2.1	0	11,12	192767	192767	-96383	530708	530708	SLU 52	2.753	Si
1339	16.08	2.1	0	11,12	192484	192484	-96242	530708	530708	SLU 52	2.757	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1368	16.08	1.1	0	12	192201	192201	-96101	530708	530708	SLU 52	2.761	Si
1397	16.08	1.1	0	12	191919	191919	-95959	530708	530708	SLU 52	2.765	Si
1426	16.08	1.1	0	12	191636	191636	-95818	530708	530708	SLU 52	2.769	Si
1455	16.08	1.1	0	12	191353	191353	-95677	530708	530708	SLU 52	2.773	Si
1484	16.08	1.1	0	12	-191070	-191070	-95535	-530708	-530708	SLU 52	2.778	Si
1513	16.08	1.1	0	12	-190788	-190788	-95394	-530708	-530708	SLU 52	2.782	Si
1542	16.08	1.1	0	12	-190505	-190505	-95252	-530708	-530708	SLU 52	2.786	Si
1571	16.08	1.1	0	12	-190222	-190222	-95111	-530708	-530708	SLU 52	2.79	Si
1600	16.08	1.1	0	12	-189944	-189944	-94972	-530708	-530708	SLU 52	2.794	Si
1620	16.08	2.1	0	12,13,14	124022	124022	-62011	530708	530708	SLU 52	4.279	Si
1649	16.08	2.1	0	12,13,14	123739	123739	-61870	530708	530708	SLU 52	4.289	Si
1678	16.08	1.1	0	13,14	123457	123457	-61728	530708	530708	SLU 52	4.299	Si
1707	16.08	1.1	0	13,14	123174	123174	-61587	530708	530708	SLU 52	4.309	Si
1736	16.08	1.1	0	13,14	122891	122891	-61446	530708	530708	SLU 52	4.319	Si
1765	16.08	1.1	0	13,14	122608	122608	-61304	530708	530708	SLU 52	4.328	Si
1794	16.08	1.1	0	13,14	122326	-122326	-61163	530708	-530708	SLU 52	4.338	Si
1823	16.08	1.1	0	13,14	-122043	-122043	-61021	-530708	-530708	SLU 52	4.349	Si
1852	16.08	1.1	0	13,14	-121760	-121760	-60880	-530708	-530708	SLU 52	4.359	Si
1881	16.08	1.1	0	13,14	-121477	-121477	-60739	-530708	-530708	SLU 52	4.369	Si
1910	16.08	1.1	0	13,14	-121199	-121199	-60600	-530708	-530708	SLU 52	4.379	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	24.13	2.3	0	1,2	-2343003	267114	-156542	-2.02	1.92	-3148490	358943	SLV 1	1.344				Si
-111	24.13	2.3	0	1,2	-2166520	241914	-156390	-2.02	1.92	-3085441	344521	SLV 1	1.424				Si
-81	24.13	1.1	0	2	-1987006	216279	-156236	-2.02	1.92	-3000864	326634	SLV 1	1.51				Si
-52	24.13	1.1	0	2	-1807522	190646	-156081	-2.02	1.92	-2893295	305166	SLV 1	1.601				Si
-22	24.13	1.1	0	2	-1628079	165014	-155927	-2.02	1.92	-2759484	279688	SLV 1	1.695				Si
7	24.13	1.1	0	2	-1448688	139387	-155772	-2.02	1.92	-2597630	249933	SLV 1	1.793				Si
36	24.13	1.1	0	2	-1269374	113764	-155618	-2.02	1.92	-2406262	215655	SLV 1	1.896				Si
66	24.13	1.1	0	2	-1090184	88153	-155464	-2.02	1.92	-2187170	176856	SLV 1	2.006				Si
95	24.13	1.1	0	2	-911182	62566	-155309	-2.02	1.92	-1940926	133273	SLV 1	2.13				Si
125	24.13	1.1	0	2	-730711	36795	-155153	-2.02	1.92	-1659612	83569	SLV 1	2.271				Si
154	24.13	1.1	0	2	-554559	11253	-155000	-2.02	1.92	-1346377	27320	SLV 1	2.428				Si
184	24.13	1.1	0	2	-378514	-15454	-154846	-2.02	1.92	-945445	-38602	SLV 1	2.498				Si
213	24.13	1.1	0	2	-212031	-40103	-154694	-2.02	1.92	-530127	-100267	SLV 1	2.5				Si
242	24.13	1.1	0	2	-79735	-66000	-154537	-2.02	1.92	-199558	-165184	SLV 1	2.503				Si
272	24.13	1.1	0	2	137690	-91587	-154383	-2.02	1.92	344950	-229449	SLV 1	2.505				Si
301	24.13	1.1	0	2	268882	-117197	-154228	-2.02	1.92	674297	-293906	SLV 1	2.508				Si
331	24.13	1.1	0	2	404671	-142820	-154074	-2.02	1.92	961729	-339421	SLV 1	2.377				Si
360	24.13	1.1	0	2	539129	-168012	-153922	-2.02	1.92	1216260	-379030	SLV 1	2.256				Si
380	24.13	2.3	0	2,3,5,6	-124459	332416	-129559	-2.02	1.92	-319764	854052	SLV 5	2.569				Si
409	24.13	2.3	0	2,3,5,6	-95064	267916	-129407	-2.02	1.92	-258630	728892	SLV 5	2.721				Si
438	24.13	1.1	0	3,5,6	-71051	203433	-129254	-2.02	1.92	-205114	587284	SLV 5	2.887				Si
467	24.13	1.1	0	3,5,6	-97660	108395	-130160	-2.02	1.92	-290195	322097	SLV 1	2.972				Si
496	24.13	1.1	0	3,5,6	88077	58594	-130008	-2.02	1.92	262029	174316	SLV 1	2.975				Si
525	24.13	1.1	0	3,5,6	135305	9397	-129856	-2.02	1.92	403002	27989	SLV 1	2.978				Si
554	24.13	1.1	0	3,5,6	198730	-42392	-129703	-2.02	1.92	592607	-126413	SLV 1	2.982				Si
583	24.13	1.1	0	3,5,6	264288	-92084	-129551	-2.02	1.92	783299	-272919	SLV 1	2.964				Si
612	24.13	1.1	0	3,5,6	316624	-142002	-129399	-2.02	1.92	888640	-398543	SLV 1	2.807				Si
641	24.39	1.5	0	3,4,5,6	371129	-191965	-129247	-2.02	1.92	990212	-512184	SLV 1	2.668				Si
670	31.44	1.9	0	3,4,5,6	271233	-311935	-128039	-2.02	1.92	729309	-838751	SLV 5	2.689				Si
690	24.13	2.5	0	4,5,6,7,9,10	-425409	226347	-106041	-2.02	1.92	-1074819	571878	SLV 1	2.527				Si
719	21.83	2.5	0	4,5,6,7,9,10	-337753	180061	-105911	-2.02	1.92	-900980	480325	SLV 1	2.668				Si
748	20.11	1.1	0	7,9,10	-251576	133797	-105780	-2.02	1.92	-714884	380200	SLV 1	2.842				Si
777	20.11	1.1	0	7,9,10	-169265	87593	-105650	-2.02	1.92	-522435	270354	SLV 1	3.086				Si
806	20.11	1.1	0	7,9,10	-94561	41695	-105519	-2.02	1.92	-295074	130109	SLV 1	3.12				Si
835	20.11	1.1	0	7,9,10	88359	-6514	-105389	-2.02	1.92	276062	-20350	SLV 1	3.124				Si
864	20.11	1.1	0	7,9,10	144959	-52193	-105258	-2.02	1.92	453462	-163271	SLV 1	3.128				Si
893	20.11	1.1	0	7,9,10	224883	-98264	-105128	-2.02	1.92	671236	-293301	SLV 1	2.985				Si
922	20.11	1.1	0	7,9,10	310304	-144495	-104997	-2.02	1.92	855361	-398304	SLV 1	2.757				Si
951	20.37	1.6	0	7,8,9,10	397637	-190768	-104867	-2.02	1.92	1019925	-489315	SLV 1	2.565				Si
980	27.42	2	0	7,8,9,10	484315	-236261	-104738	-2.02	1.92	1240686	-605237	SLV 1	2.562				Si
1000	20.11	2.4	0	8,9,10,11	-310255	204960	-82222	-2.02	1.92	-800167	528604	SLV 1	2.579				Si
1029	17.8	2.4	0	8,9,10,11	-243232	163049	-82113	-2.02	1.92	-666794	446982	SLV 1	2.741				Si
1058	16.08	1.1	0	11	-177351	121159	-82004	-2.02	1.92	-521916	356552	SLV 1	2.943				Si
1087	16.08	1.1	0	11	-114617	79321	-81895	-2.02	1.92	-370703	256544	SLV 1	3.234				Si
1116	16.08	1.1	0	11	-65249	37742	-81787	-2.02	1.92	-216816	125415	SLV 1	3.323				Si
1145	16.08	1.1	0	11	73469	-6102	-81678	-2.02	1.92	244456	-20302	SLV 1	3.327				Si
1174	16.08	1.1	0	11	121830	-47251	-81569	-2.02	1.92	405908	-157430	SLV 1	3.332				Si
1203	16.08	1.1	0	11	184345	-88958	-81460	-2.02	1.92	562221	-271308	SLV 1	3.05				Si
1232	16.08	1.1	0	11	250158	-130817	-81352	-2.02	1.92	697794	-364901	SLV 1	2.789				Si
1261	16.08	1.1	0	11	317152	-172714	-81243	-2.02	1.92	814110	-443346	SLV 1	2.567				Si
1290	16.08	1.1	0	11	383528	-213905	-81136	-2.02	1.92	908468	-506679	SLV 1	2.369				Si
1310	16.08	2.1	0	11,12	-347441	201163	-59125	-2.02	1.92	-1001768	580009	SLV 1	2.883				Si
1339	16.08	2.1	0	11,12	-276286	160357	-59017	-2.02	1.92	-896060	520076	SLV 1	3.243				Si
1368	16.08	1.1	0	12	-205683	119567	-58908	-2.02	1.92	-749157	435496	SLV 1	3.642				Si
1397	16.08	1.1	0	12	-136486	78818	-58799	-2.02	1.92	-562068	324583	SLV 1	4.118				Si
1426	16.08	1.1	0	12	-72868	38270	-58690	-2.02	1.92	-337422	177210	SLV 1	4.631				Si
1455	16.08	1.1	0	12	34274	-4476	-58582	-2.02	1.92	159001	-20766	SLV 1	4.639				Si
1484	16.08	1.1	0	12	100710	-44312	-58473	-2.02	1.92	456319	-200778	SLV 1	4.531				Si
1513	16.08	1.1	0	12	166608	-84937	-58364	-2.02	1.92	664095	-338557	SLV 1	3.986				Si
1542	16.08	1.1	0	12	236293	-125698	-58255	-2.02	1.92	837282	-445399	SLV 1	3.543				Si
1571	16.08	1.1	0	12	307070	-166492	-58147	-2.02	1.92	969219	-525507	SLV 1	3.156				Si
1600	16.08	1.1	0	12	377078	-206597	-58040	-2.02	1.92	1059011	-580221	SLV 1	2.808				Si
1620	16.08	2.1	0	12,13,14	-298167	189529	-36629	-2.02	1.92	-1067604	678619	SLV 1	3.581				Si
1649	16.08	2.1	0	12,13,14	-215935	149109	-36520	-2.02	1.92	-951225	656847	SLV 1	4.405				Si
1678	16.08	1.1	0	13,14	-133982	108696	-36412	-2.02	1.92	-724281	587590	SLV 1	5.406				Si
1707	16.08	1.1	0	13,14	-53284	68304	-36303	-2.02	1.92	-354142	453967	SLV 1	6.646				Si
1736	16.08	1.1	0	13,14	34704	28080	-36194	-2.02	1.92	260582	210846	SLV 1	7.509				Si
1765	16.08	1.1	0	13,14	117932	-12217	-36085	-2.02	1.92	811639	-84081	SLV 1	6.882				Si
1794	16.08	1.1	0	13,14	199022	-53189	-35977	-2.02	1.92	1112899	-297427	SLV 1	5.592				Si
1823	16.08	1.1	0	13,14	281042	-93572	-35868	-2.02	1.92	1281780	-426765	SLV 1	4.561				Si
1852	16.08	1.1	0	13,14	363298	-133983	-35759	-2.02	1.92	1341342	-494682	SLV 1	3.692				Si
1881	16.08	1.1	0	13,14	445649	-174402	-35650	-2.02	1.92	1340207	-524483	SLV 1	3.007				Si
1910	16.08	1.1	0	13,14	526627	-214129	-35543	-2.02	1.92	1314938	-534659	SLV 1	2.497				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	2.3	0	1,2	-1054247	107650	-152831	-2141736	218694	SLD 1	2.032	Si
-111	24.13	2.3	0	1,2	-975553	97343	-152679	-2034620	203019	SLD 1	2.086	Si
-81	24.13	1.1	0	2	-895511	86858	-152525	-1919624	186190	SLD 1	2.144	Si
-52	24.13	1.1	0	2	-815486	76374	-152371	-1798057	168397	SLD 1	2.205	Si
-22	24.13	1.1	0	2	-735486	65891	-152216	-1669378	149558	SLD 1	2.27	Si
7	24.13	1.1	0	2	-655517	55410	-152062	-1532954	129579	SLD 1	2.339	Si
36	24.13	1.1	0	2	-575593	44932	-151907	-1388067	108355	SLD 1	2.412	Si
66	24.13	1.1	0	2	-495742	34459	-151753	-1233950	85771	SLD 1	2.489	Si
95	24.13	1.1	0	2	-416003	23998	-151598	-1061343	61225	SLD 1	2.551	Si
125	24.13	1.1	0	2	-335659	13468	-151443	-857244	34395	SLD 1	2.554	Si
154	24.13	1.1	0	2	-257351	3060	-151290	-657916	7823	SLD 1	2.556	Si
184	24.13	1.1	0	2	-179383	-7918	-151135	-459059	-20262	SLD 1	2.559	Si
213	24.13	1.1	0	2	-106617	-18035	-150983	-273119	-46199	SLD 1	2.562	Si
242	24.13	1.1	0	2	-48468	-28618	-150826	-124288	-73385	SLD 1	2.564	Si
272	24.13	1.1	0	2	55739	-39079	-150672	143081	-100314	SLD 1	2.567	Si
301	24.13	1.1	0	2	115872	-49552	-150518	297746	-127328	SLD 1	2.57	Si
331	24.13	1.1	0	2	178383	-60030	-150363	458843	-154412	SLD 1	2.572	Si
360	24.13	1.1	0	2	240383	-70333	-150211	618948	-181096	SLD 1	2.575	Si
380	24.13	2.3	0	2,3,5,6	-40975	122339	-127523	-124275	371048	SLD 1	3.033	Si
409	24.13	2.3	0	2,3,5,6	-31396	98825	-127371	-95336	300089	SLD 1	3.037	Si
438	24.13	1.1	0	3,5,6	-25637	75319	-127219	-77943	228986	SLD 1	3.04	Si
467	24.13	1.1	0	3,5,6	-27133	51834	-127067	-82587	157776	SLD 1	3.044	Si
496	24.13	1.1	0	3,5,6	55025	28431	-126914	167688	86644	SLD 1	3.047	Si
525	24.13	1.1	0	3,5,6	67415	5365	-126762	205694	16371	SLD 1	3.051	Si
554	24.13	1.1	0	3,5,6	83656	-19212	-126610	255555	-58689	SLD 1	3.055	Si
583	24.13	1.1	0	3,5,6	100431	-42553	-126458	307169	-130149	SLD 1	3.059	Si
612	24.13	1.1	0	3,5,6	111905	-66028	-126305	342675	-202191	SLD 1	3.062	Si
641	24.39	1.5	0	3,4,5,6	124532	-89531	-126153	382825	-275226	SLD 1	3.074	Si
670	31.44	1.9	0	3,4,5,6	137616	-112638	-126003	453669	-371325	SLD 1	3.297	Si
690	24.13	2.5	0	4,5,6,7,9,10	-158622	110099	-103477	-508097	352668	SLD 1	3.203	Si
719	21.83	2.5	0	4,5,6,7,9,10	-127189	87819	-103346	-413516	285517	SLD 1	3.251	Si
748	20.11	1.1	0	7,9,10	-96584	65553	-103216	-308113	209120	SLD 1	3.19	Si
777	20.11	1.1	0	7,9,10	-68017	43322	-103085	-217256	138378	SLD 1	3.194	Si
806	20.11	1.1	0	7,9,10	-42646	21275	-102955	-136389	68041	SLD 1	3.198	Si
835	20.11	1.1	0	7,9,10	39993	-2119	-102824	128067	-6785	SLD 1	3.202	Si
864	20.11	1.1	0	7,9,10	56340	-24078	-102694	180646	-77201	SLD 1	3.206	Si
893	20.11	1.1	0	7,9,10	83326	-46228	-102563	267511	-148410	SLD 1	3.21	Si
922	20.11	1.1	0	7,9,10	113386	-68474	-102433	364479	-220111	SLD 1	3.215	Si
951	20.37	1.6	0	7,8,9,10	144578	-90746	-102302	463893	-291169	SLD 1	3.209	Si
980	27.42	2	0	7,8,9,10	175746	-112644	-102174	581806	-372909	SLD 1	3.31	Si
1000	20.11	2.4	0	8,9,10,11	-107560	100354	-80211	-361915	337668	SLD 1	3.365	Si
1029	17.8	2.4	0	8,9,10,11	-84680	79958	-80102	-290552	274353	SLD 1	3.431	Si
1058	16.08	1.1	0	11	-62427	59575	-79993	-212089	202400	SLD 1	3.397	Si
1087	16.08	1.1	0	11	-41795	39223	-79885	-142186	133437	SLD 1	3.402	Si
1116	16.08	1.1	0	11	-26869	19021	-79776	-91534	64799	SLD 1	3.407	Si
1145	16.08	1.1	0	11	34366	-2511	-79667	117234	-8566	SLD 1	3.411	Si
1174	16.08	1.1	0	11	47540	-22471	-79558	162396	-76761	SLD 1	3.416	Si
1203	16.08	1.1	0	11	67712	-42743	-79450	231618	-146207	SLD 1	3.421	Si
1232	16.08	1.1	0	11	89809	-63106	-79341	307625	-216160	SLD 1	3.425	Si
1261	16.08	1.1	0	11	112621	-83493	-79232	372826	-276402	SLD 1	3.31	Si
1290	16.08	1.1	0	11	135368	-103539	-79125	430319	-329138	SLD 1	3.179	Si
1310	16.08	2.1	0	11,12	-117318	102458	-57606	-481522	420531	SLD 1	4.104	Si
1339	16.08	2.1	0	11,12	-93210	81833	-57498	-405363	355886	SLD 1	4.349	Si
1368	16.08	1.1	0	12	-69393	61217	-57389	-320800	283002	SLD 1	4.623	Si
1397	16.08	1.1	0	12	-46287	40624	-57280	-219613	192744	SLD 1	4.745	Si
1426	16.08	1.1	0	12	-25699	20142	-57171	-122163	95749	SLD 1	4.754	Si
1455	16.08	1.1	0	12	18609	-1613	-57063	88628	-7683	SLD 1	4.763	Si
1484	16.08	1.1	0	12	39651	-21669	-56954	189206	-103399	SLD 1	4.772	Si
1513	16.08	1.1	0	12	60557	-42186	-56845	289518	-201686	SLD 1	4.781	Si
1542	16.08	1.1	0	12	83741	-62784	-56736	383858	-287795	SLD 1	4.584	Si
1571	16.08	1.1	0	12	107587	-83402	-56628	465498	-360859	SLD 1	4.327	Si
1600	16.08	1.1	0	12	131292	-103673	-56521	538241	-425015	SLD 1	4.1	Si
1620	16.08	2.1	0	12,13,14	-89619	100169	-35527	-531881	594496	SLD 1	5.935	Si
1649	16.08	2.1	0	12,13,14	-61023	79192	-35418	-397051	515268	SLD 1	6.507	Si
1678	16.08	1.1	0	13,14	-32573	58218	-35309	-234283	418735	SLD 1	7.192	Si
1707	16.08	1.1	0	13,14	-4751	37257	-35201	-36681	287648	SLD 1	7.721	Si
1736	16.08	1.1	0	13,14	28001	16392	-35092	216856	126949	SLD 1	7.745	Si
1765	16.08	1.1	0	13,14	56135	-4599	-34983	436092	-35728	SLD 1	7.769	Si
1794	16.08	1.1	0	13,14	84050	-25808	-34874	612138	-187963	SLD 1	7.283	Si
1823	16.08	1.1	0	13,14	112515	-46765	-34766	743807	-309147	SLD 1	6.611	Si
1852	16.08	1.1	0	13,14	141117	-67737	-34657	853188	-409534	SLD 1	6.046	Si
1881	16.08	1.1	0	13,14	169773	-88714	-34548	940627	-491519	SLD 1	5.541	Si
1910	16.08	1.1	0	13,14	197962	-109331	-34441	1004710	-554886	SLD 1	5.075	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	6X/2Y Ø8/10	-257	-229969	SLU 46	17927	50249	52139	1.9	195.4	3237	-229969	SLU 46	17432	51513	52256	2.25	15.92	Si
-111	6X/2Y Ø8/10	-257	-229772	SLU 46	17927	50249	52214	1.9	195.4	3237	-229772	SLU 46	17432	51513	52332	2.25	15.92	Si
-81	6X/2Y Ø8/10	-257	-229571	SLU 46	17927	50249	52292	1.9	195.4	3237	-229571	SLU 46	17432	51513	52409	2.25	15.92	Si
-52	6X/2Y Ø8/10	-257	-229370	SLU 46	17927	51572	51593	1.95	200.54	3237	-229370	SLU 46	17432	51513	52487	2.25	15.92	Si
-22	6X/2Y Ø8/15	-267	-204541	SLU 20	17927	44078	51810	2.5	165.19	3237	-229169	SLU 46	17432	38157	48838	2.5	11.79	Si
7	6X/2Y Ø8/15	-267	-204387	SLU 20	17927	44078	51859	2.5	165.19	3237	-228969	SLU 46	17432	38157	48910	2.5	11.79	Si
36	6X/2Y Ø8/15	-267	-204232	SLU 20	17927	44078	51909	2.5	165.19	3237	-228768	SLU 46	17432	38157	48982	2.5	11.79	Si
66	6X/2Y Ø8/15	-267	-204078	SLU 20	17927	44078	51959	2.5	165.19	3237	-228567	SLU 46	17432	38157	49054	2.5	11.79	Si
95	6X/2Y Ø8/15	-267	-203923	SLU 20	17927	44078	52008	2.5	165.19	3237	-228366	SLU 46	17432	38157	49126	2.5	11.79	Si
125	6X/2Y Ø8/15	-267	-203767	SLU 20	17927	44078	52059	2.5	165.19	3237	-228164	SLU 46	17432	38157	49199	2.5	11.79	Si
154	6X/2Y Ø8/15	-267	-203614	SLU 20	17927	44078	52108	2.5	165.19	3237	-227965	SLU 46	17432	38157	49270	2.5	11.79	Si
184	6X/2Y Ø8/15	-267	-203460	SLU 20	17927	44078	52158	2.5	165.19	3237	-227764	SLU 46	17432	38157	49342	2.5	11.79	Si
213	6X/2Y Ø8/15	-267	-203308	SLU 20	17927	44078	52207	2.5	165.19	3237	-227567	SLU 46	17432	38157	49413	2.5	11.79	Si
242	6X/2Y Ø8/10	-257	-227363	SLU 46	17927	51572	52354	1.95	200.54	3237	-227363	SLU 46	17432	51513	53261	2.25	15.92	Si
272	6X/2Y Ø8/10	-257	-227162	SLU 46	17927	51572	52430	1.95	200.54	3237	-227162	SLU 46	17432	51513	53338	2.25	15.92	Si
301	6X/2Y Ø8/10	-257	-226961	SLU 46	17927	51572	52506	1.95	200.54	3237	-226961	SLU 46	17432	51513	53416	2.25	15.92	Si
331	6X/2Y Ø8/10	-257	-226761	SLU 46	17927	51572	52582	1.95	200.54	3237	-226761	SLU 46	17432	52657	52704	2.3	16.27	Si
360	6X/2Y Ø8/10	-257	-226563	SLU 46	17927	51572	52657	1.95	200.54	3237	-226563	SLU 46	17432	52657	52779	2.3	16.27	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
380	6X/2Y Ø8/10	-443	-205343	SLU 51	17927	56861	57167	2.15	128.44	-2086	-191404	SLU 45	17432	57236	62372	2.5	27.44	Si
409	6X/2Y Ø8/10	-443	-205145	SLU 51	17927	56861	57238	2.15	128.44	-2086	-191206	SLU 45	17432	57236	62443	2.5	27.44	Si
438	6X/2Y Ø8/10	-443	-204947	SLU 51	17927	56861	57309	2.15	128.44	-2086	-191008	SLU 45	17432	57236	62514	2.5	27.44	Si
467	6X/2Y Ø8/14.4	-443	-204749	SLU 51	17927	45774	51743	2.5	103.39	-2086	-190810	SLU 45	17432	39625	62585	2.5	18.99	Si
496	6X/2Y Ø8/14.4	-443	-204551	SLU 51	17927	45774	51806	2.5	103.39	-2086	-190612	SLU 45	17432	39625	62656	2.5	18.99	Si
525	6X/2Y Ø8/14.4	-443	-204353	SLU 51	17927	45774	51870	2.5	103.39	-2086	-190414	SLU 45	17432	39625	62727	2.5	18.99	Si
554	6X/2Y Ø8/14.4	-443	-204156	SLU 51	17927	45774	51934	2.5	103.39	-2086	-190216	SLU 45	17432	39625	62798	2.5	18.99	Si
583	6X/2Y Ø8/14.4	-443	-203958	SLU 51	17927	45774	51997	2.5	103.39	-2086	-190018	SLU 45	17432	39625	62869	2.5	18.99	Si
612	6X/2Y Ø8/10	-443	-203760	SLU 51	17927	56861	57733	2.15	128.44	-2086	-189821	SLU 45	17432	57236	62940	2.5	27.44	Si
641	6X/2Y Ø8/10	-443	-203562	SLU 51	17927	56861	57803	2.15	128.44	-2086	-189623	SLU 45	17432	57236	63011	2.5	27.44	Si
670	6X/2Y Ø8/10	-443	-203367	SLU 51	17927	56861	57873	2.15	128.44	-2086	-189428	SLU 45	17432	57236	63080	2.5	27.44	Si
690	5X/2Y Ø8/10	-458	-167854	SLU 51	15366	49588	50384	2.25	108.24	-255	-166556	SLU 49	15029	48385	51845	2.5	189.65	Si
719	5X/2Y Ø8/10	-458	-167685	SLU 51	15366	49588	50442	2.25	108.24	-255	-166387	SLU 49	15029	48385	51905	2.5	189.65	Si
748	5X/2Y Ø8/10	-458	-167515	SLU 51	15366	49588	50501	2.25	108.24	-255	-166217	SLU 49	15029	48385	51965	2.5	189.65	Si
777	5X/2Y Ø8/14.4	-458	-167345	SLU 51	15366	38145	46976	2.5	83.26	-255	-166048	SLU 49	15029	33497	52025	2.5	131.29	Si
806	5X/2Y Ø8/14.4	-458	-167176	SLU 51	15366	38145	47031	2.5	83.26	-255	-165878	SLU 49	15029	33497	52085	2.5	131.29	Si
835	5X/2Y Ø8/14.4	-458	-167006	SLU 51	15366	38145	47085	2.5	83.26	-255	-165708	SLU 49	15029	33497	52145	2.5	131.29	Si
864	5X/2Y Ø8/14.4	-458	-166836	SLU 51	15366	38145	47140	2.5	83.26	-255	-165539	SLU 49	15029	33497	52205	2.5	131.29	Si
893	5X/2Y Ø8/14.4	-458	-166667	SLU 51	15366	38145	47195	2.5	83.26	-255	-165369	SLU 49	15029	33497	52265	2.5	131.29	Si
922	5X/2Y Ø8/10	-458	-166497	SLU 51	15366	49588	50854	2.25	108.24	-255	-165199	SLU 49	15029	48385	52325	2.5	189.65	Si
951	5X/2Y Ø8/10	-458	-166327	SLU 51	15366	49588	50913	2.25	108.24	-255	-165030	SLU 49	15029	48385	52384	2.5	189.65	Si
980	5X/2Y Ø8/10	-458	-166161	SLU 51	15366	49588	50971	2.25	108.24	-255	-164863	SLU 49	15029	48385	52443	2.5	189.65	Si
1000	4X/2Y Ø8/10	-431	-131614	SLU 51	12805	42315	42904	2.4	98.22	-316	-130275	SLU 49	12600	39534	45230	2.5	124.96	Si
1029	4X/2Y Ø8/10	-431	-131472	SLU 51	12805	42315	42951	2.4	98.22	-316	-130133	SLU 49	12600	39534	45230	2.5	124.96	Si
1058	4X/2Y Ø8/10	-431	-131331	SLU 51	12805	42315	42998	2.4	98.22	-316	-129992	SLU 49	12600	39534	45230	2.5	124.96	Si
1087	4X/2Y Ø8/14.4	-431	-131190	SLU 51	12805	30516	41808	2.5	70.83	-316	-129850	SLU 49	12600	27370	45230	2.5	86.51	Si
1116	4X/2Y Ø8/14.4	-431	-131048	SLU 51	12805	30516	41853	2.5	70.83	-316	-129709	SLU 49	12600	27370	45230	2.5	86.51	Si
1145	4X/2Y Ø8/14.4	-431	-130907	SLU 51	12805	30516	41899	2.5	70.83	-316	-129568	SLU 49	12600	27370	45230	2.5	86.51	Si
1174	4X/2Y Ø8/14.4	-431	-130766	SLU 51	12805	30516	41945	2.5	70.83	-316	-129426	SLU 49	12600	27370	45230	2.5	86.51	Si
1203	4X/2Y Ø8/14.4	-431	-130624	SLU 51	12805	30516	41990	2.5	70.83	-316	-129285	SLU 49	12600	27370	45230	2.5	86.51	Si
1232	4X/2Y Ø8/10	-431	-130483	SLU 51	12805	42315	43268	2.4	98.22	-316	-129144	SLU 49	12600	39534	45230	2.5	124.96	Si
1261	4X/2Y Ø8/10	-431	-130341	SLU 51	12805	42315	43268	2.4	98.22	-316	-129002	SLU 49	12600	39534	45230	2.5	124.96	Si
1290	4X/2Y Ø8/10	-431	-130202	SLU 51	12805	42315	43268	2.4	98.22	-316	-128863	SLU 49	12600	39534	45230	2.5	124.96	Si
1310	4X/2Y Ø8/10	-485	-96375	SLU 51	12805	42315	43268	2.4	87.23	-411	-94983	SLU 49	12600	39534	45230	2.5	96.27	Si
1339	4X/2Y Ø8/10	-485	-96234	SLU 51	12805	42315	43268	2.4	87.23	-411	-94841	SLU 49	12600	39534	45230	2.5	96.27	Si
1368	4X/2Y Ø8/10	-485	-96092	SLU 51	12805	42315	43268	2.4	87.23	-411	-94700	SLU 49	12600	39534	45230	2.5	96.27	Si
1397	4X/2Y Ø8/14.4	-485	-95951	SLU 51	12805	30516	42024	2.5	62.91	-411	-94558	SLU 49	12600	27370	45230	2.5	66.65	Si
1426	4X/2Y Ø8/14.4	-485	-95810	SLU 51	12805	30516	42024	2.5	62.91	-411	-94417	SLU 49	12600	27370	45230	2.5	66.65	Si
1455	4X/2Y Ø8/14.4	-485	-95668	SLU 51	12805	30516	42024	2.5	62.91	-411	-94276	SLU 49	12600	27370	45230	2.5	66.65	Si
1484	4X/2Y Ø8/14.4	-485	-95527	SLU 51	12805	30516	42024	2.5	62.91	-411	-94134	SLU 49	12600	27370	45230	2.5	66.65	Si
1513	4X/2Y Ø8/14.4	-485	-95386	SLU 51	12805	30516	42024	2.5	62.91	-411	-93993	SLU 49	12600	27370	45230	2.5	66.65	Si
1542	4X/2Y Ø8/10	-485	-95244	SLU 51	12805	42315	43268	2.4	87.23	-411	-93852	SLU 49	12600	39534	45230	2.5	96.27	Si
1571	4X/2Y Ø8/10	-485	-95103	SLU 51	12805	42315	43268	2.4	87.23	-411	-93710	SLU 49	12600	39534	45230	2.5	96.27	Si
1600	4X/2Y Ø8/10	-485	-94964	SLU 51	12805	42315	43268	2.4	87.23	-411	-93571	SLU 49	12600	39534	45230	2.5	96.27	Si
1620	4X/2Y Ø8/10	-515	-62005	SLU 51	12805	42315	42836	2.4	82.21	-576	-60538	SLU 49	12600	39534	44576	2.5	68.68	Si
1649	4X/2Y Ø8/10	-515	-61864	SLU 51	12805	42315	42818	2.4	82.21	-576	-60397	SLU 49	12600	39534	44556	2.5	68.68	Si
1678	4X/2Y Ø8/10	-515	-61723	SLU 51	12805	42315	42799	2.4	82.21	-576	-60256	SLU 49	12600	39534	44537	2.5	68.68	Si
1707	4X/2Y Ø8/14.4	-515	-61581	SLU 51	12805	30516	41551	2.5	59.29	-576	-60114	SLU 49	12600	27370	44517	2.5	47.55	Si
1736	4X/2Y Ø8/14.4	-515	-61440	SLU 51	12805	30516	41533	2.5	59.29	-576	-59973	SLU 49	12600	27370	44497	2.5	47.55	Si
1765	4X/2Y Ø8/14.4	-515	-61298	SLU 51	12805	30516	41514	2.5	59.29	-576	-59831	SLU 49	12600	27370	44478	2.5	47.55	Si
1794	4X/2Y Ø8/14.4	-515	-61157	SLU 51	12805	30516	41496	2.5	59.29	-576	-59690	SLU 49	12600	27370	44458	2.5	47.55	Si
1823	4X/2Y Ø8/14.4	-515	-61016	SLU 51	12805	30516	41478	2.5	59.29	-576	-59549	SLU 49	12600	27370	44439	2.5	47.55	Si
1852	4X/2Y Ø8/10	-515	-60874	SLU 51	12805	42315	42686	2.4	82.21	-576	-59407	SLU 49	12600	39534	44419	2.5	68.68	Si
1881	4X/2Y Ø8/10	-515	-60733	SLU 51	12805	42315	42668	2.4	82.21	-576	-59266	SLU 49	12600	39534	44399	2.5	68.68	Si
1910	4X/2Y Ø8/10	-515	-60594	SLU 51	12805	42315	42649	2.4	82.21	-576	-59127	SLU 49	12600	39534	44380	2.5	68.68	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	6X/2Y Ø8/10	-1178	-155370	SLV 5	17927	60828	62389	2.3	51.65	6108	-156542	SLV 1	17432	57236	65483	2.5	9.37	Si
-111	6X/2Y Ø8/10	-1178	-155218	SLV 5	17927	60828	62389	2.3	51.65	6108	-156390	SLV 1	17432	57236	65483	2.5	9.37	Si
-81	6X/2Y Ø8/10	-1178	-155064	SLV 5	17927	60828	62389	2.3	51.65	6108	-156236	SLV 1	17432	57236	65483	2.5	9.37	Si
-52	6X/2Y Ø8/10	-1178	-154909	SLV 5	17927	60828	62389	2.3	51.65	6108	-156081	SLV 1	17432	57236	65483	2.5	9.37	Si
-22	6X/2Y Ø8/15	-1178	-154755	SLV 5	17927	44078	58834	2.5	37.43	6108	-155927	SLV 1	17432	38157	65483	2.5	6.25	Si
7	6X/2Y Ø8/15	-1178	-154600	SLV 5	17927	44078	58834	2.5	37.43	6108	-155772	SLV 1	17432	38157	65483	2.5	6.25	Si
36	6X/2Y Ø8/15	-1178	-154446	SLV 5	17927	44078	58834	2.5	37.43	6108	-155618	SLV 1	17432	38157	65483	2.5	6.25	Si
66	6X/2Y Ø8/15	-1178	-154292	SLV 5	17927	44078	58834	2.5	37.43	6108	-155464	SLV 1	17432	38157	65483	2.5	6.25	Si
95	6X/2Y Ø8/15	-1178	-154137	SLV 5	17927	44078	58834	2.5	37.43	6108	-155309	SLV 1	17432	38157	65483	2.5	6.25	Si
125	6X/2Y Ø8/15	-1178	-153981	SLV 5	17927	44078	58834	2.5	37.43	6108	-155153	SLV 1	17432	38157	65483	2.5	6.25	Si
154	6X/2Y Ø8/15	-1178	-153828	SLV 5	17927	44078	58834	2.5	37.43	6108	-155000	SLV 1	17432	38157	65483	2.5	6.25	Si
184	6X/2Y Ø8/15	-1178	-153674	SLV 5	17927	44078	58834	2.5	37.43	6108	-154846	SLV 1	17432	38157	65483	2.5	6.25	Si
213	6X/2Y Ø8/15	-1178	-153522	SLV 5	17927	44078	58834	2.5	37.43	6108	-154694	SLV 1	17432	38157	65483	2.5	6.25	Si
242	6X/2Y Ø8/10	-1178	-153365	SLV 5	17927	60828	62389	2.3	51.65	6108	-154537	SLV 1	17432	57236	65483	2.5	9.37	Si
272	6X/2Y Ø8/10	-1178	-153211	SLV 5	17927	60828	62389	2.3	51.65	6108	-154383	SLV 1	17432	57236	65483	2.5	9.37	Si
301	6X/2Y Ø8/10	-1178	-153056	SLV 5	17927	60828	62389	2.3	51.65	6108	-154228	SLV 1	17432	57236	65483	2.5	9.37	Si
331	6X/2Y Ø8/10	-1178	-152902	SLV 5	17927	60828	62389	2.3	51.65	6108	-154074	SLV 1	17432	57236	65483	2.5	9.37	Si
360	6X/2Y Ø8/10	-1178	-152750	SLV 5	17927	60828	62389	2.3	51.65	6108	-153922	SLV 1	17432	57236	65483	2.5	9.37	Si
380	6X/2Y Ø8/10	-2225	-129559	SLV 5	17927	60828	62389	2.3	27.34	-2922	-120208	SLV 15	17432	57236	65483	2.5	19.59	Si
409	6X/2Y Ø8/10	-2225	-129407	SLV 5	17927	60828	62389	2.3	27.34	-2922	-120056	SLV 15	17432	57236	65483	2.5	19.59	Si
438	6X/2Y Ø8/10	-2225	-129254	SLV 5	17927	60828	62389	2.3	27.34	-2922	-119904	SLV 15	17432	57236	65483	2.5	19.59	Si
467	6X/2Y Ø8/14.4	-2225	-129102	SLV 5	17927	45774	58834	2.5	20.57	-2922	-119751	SLV 15	17432	39625	65483	2.5	13.56	Si
496	6X/2Y Ø8/14.4	-2225	-128950	SLV 5	17927	45774	58834	2.5	20.57	-2922	-119599	SLV 15	17432	39625	65483	2.5	13.56	Si
525	6X/2Y Ø8/14.4	-2225	-128798	SLV 5	17927	45774	58834	2.5	20.57	-2922	-119447	SLV 15	17432	39625	65483	2.5	13.56	Si
554	6X/2Y Ø8/14.4	-2225	-128645	SLV 5	17927	45774	58834	2.5	20.57	-2922	-119295	SLV 15	17432	39625	65483	2.5	13.56	Si
583	6X/2Y Ø8/14.4	-2225	-128493	SLV 5	17927	45774	58834	2.5	20.57	-2922	-119142	SLV 15	17432	39625	65483	2.5	13.56	Si
612	6X/2Y Ø8/10	-2225	-128341	SLV 5	17927	60828	62389	2.3	27.34	-2922	-118990	SLV 15	17432	57236	65483	2.5	19.59	Si
641	6X/2Y Ø8/10	-2225	-128189	SLV 5	17927	60828	62389	2.3	27.34	-2922	-118838	SLV 15	17432	57236	65483	2.5	19.59	Si
670	6X/2Y Ø8/10	-2225	-128039	SLV 5	17927	60828	62389	2.3	27.34	-2922	-118688	SLV 15	17432	57236	65483	2.5	19.59	Si
690	5X/2Y Ø8/10	-2034	-105079	SLV 5	15366	51792	52691	2.35	25.46	-3369	-97293	SLV 15	15029	48385	55356	2.5	14.36	Si
719	5X/2Y Ø8/10	-2034	-104949	SLV 5	15366	51792	52691	2.35	25.46	-3369	-97162	SLV 15	15029	48385	55356	2.5	14.36	Si
748	5X/2Y Ø8/10	-2034	-104818	SLV 5	15366	51792	52691	2.35	25.46	-3369	-97032	SLV 15	15029	48385	55356	2.5	14.36	Si
777	5X/2Y Ø8/14.4	-2034	-104688	SLV 5	15366	38145	50429	2.5	18.75	-3369	-96901	SLV 15	15029	33497	55356	2.5	9.94	Si
806	5X/2Y Ø8/14.4	-2034	-104557	SLV 5	15366	38145	50429	2.5	18.75	-3369	-96771	SLV 15	15029	33497	55356	2.5	9.94	Si
835	5X/2Y Ø8/14.4	-2034	-104427	SLV 5	15366	38145	50429	2.5	18.75	-3369	-96640	SLV 15	15029	33497	55356	2.5	9.94	Si
864	5X/2Y Ø8/14.4	-2034	-104296	SLV 5	15366	38145	50429	2.5	18.75	-3369	-96510	SLV 15	15029	33497	55356	2.5	9.94	Si
893	5X/2Y Ø8/14.4	-2034	-104166	SLV 5	15366	38145	50429	2.5	18.75	-3369	-96379	SLV 15	15029	33497	55356	2.5	9.94	Si
922	5X/2Y Ø8/10	-2034	-104035	SLV 5	15366	51792	52691	2.35	25.46	-3369	-96249	SLV 15	15029	48385	55356	2.5	14.36	Si
951	5X/2Y Ø8/10	-2034	-103905	SLV 5	15366	51792	52691	2.35	25.46	-3369	-96118	SLV 15	15029	48385	55356	2.5	14.36	Si
980	5X/2Y Ø8/10	-2034	-103777	SLV 5	15366	51792	52691	2.35	25.46	-3369	-95990	SLV 15	15029	48385	55356	2.5	14.36	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1000	4X/2Y Ø8/10	-1824	-81407	SLV 5	12805	42315	43268	2.4	23.2	-2718	-75234	SLV 15	12600	39534	45230	2.5	14.55	Si
1029	4X/2Y Ø8/10	-1824	-81298	SLV 5	12805	42315	43268	2.4	23.2	-2718	-75125	SLV 15	12600	39534	45230	2.5	14.55	Si
1058	4X/2Y Ø8/10	-1824	-81189	SLV 5	12805	42315	43268	2.4	23.2	-2718	-75016	SLV 15	12600	39534	45230	2.5	14.55	Si
1087	4X/2Y Ø8/14.4	-1824	-81081	SLV 5	12805	30516	42024	2.5	16.73	-2718	-74908	SLV 15	12600	27370	45230	2.5	10.07	Si
1116	4X/2Y Ø8/14.4	-1824	-80972	SLV 5	12805	30516	42024	2.5	16.73	-2718	-74799	SLV 15	12600	27370	45230	2.5	10.07	Si
1145	4X/2Y Ø8/14.4	-1824	-80863	SLV 5	12805	30516	42024	2.5	16.73	-2718	-74690	SLV 15	12600	27370	45230	2.5	10.07	Si
1174	4X/2Y Ø8/14.4	-1824	-80754	SLV 5	12805	30516	42024	2.5	16.73	-2718	-74581	SLV 15	12600	27370	45230	2.5	10.07	Si
1203	4X/2Y Ø8/14.4	-1824	-80646	SLV 5	12805	30516	42024	2.5	16.73	-2718	-74473	SLV 15	12600	27370	45230	2.5	10.07	Si
1232	4X/2Y Ø8/10	-1824	-80537	SLV 5	12805	42315	43268	2.4	23.2	-2718	-74364	SLV 15	12600	39534	45230	2.5	14.55	Si
1261	4X/2Y Ø8/10	-1824	-80428	SLV 5	12805	42315	43268	2.4	23.2	-2718	-74255	SLV 15	12600	39534	45230	2.5	14.55	Si
1290	4X/2Y Ø8/10	-1824	-80321	SLV 5	12805	42315	43268	2.4	23.2	-2718	-74148	SLV 15	12600	39534	45230	2.5	14.55	Si
1310	4X/2Y Ø8/10	-1751	-58470	SLV 5	12805	42315	42368	2.4	24.17	-2973	-53749	SLV 15	12600	39534	43635	2.5	13.3	Si
1339	4X/2Y Ø8/10	-1751	-58362	SLV 5	12805	42315	42353	2.4	24.17	-2973	-53640	SLV 15	12600	39534	43619	2.5	13.3	Si
1368	4X/2Y Ø8/10	-1751	-58253	SLV 5	12805	42315	42339	2.4	24.17	-2973	-53531	SLV 15	12600	39534	43604	2.5	13.3	Si
1397	4X/2Y Ø8/14.4	-1751	-58144	SLV 5	12805	30516	41108	2.5	17.43	-2973	-53422	SLV 15	12600	27370	43589	2.5	9.21	Si
1426	4X/2Y Ø8/14.4	-1751	-58035	SLV 5	12805	30516	41094	2.5	17.43	-2973	-53314	SLV 15	12600	27370	43574	2.5	9.21	Si
1455	4X/2Y Ø8/14.4	-1751	-57927	SLV 5	12805	30516	41080	2.5	17.43	-2973	-53205	SLV 15	12600	27370	43559	2.5	9.21	Si
1484	4X/2Y Ø8/14.4	-1751	-57818	SLV 5	12805	30516	41066	2.5	17.43	-2973	-53096	SLV 15	12600	27370	43544	2.5	9.21	Si
1513	4X/2Y Ø8/14.4	-1751	-57709	SLV 5	12805	30516	41052	2.5	17.43	-2973	-52987	SLV 15	12600	27370	43529	2.5	9.21	Si
1542	4X/2Y Ø8/10	-1751	-57600	SLV 5	12805	41434	42878	2.35	23.66	-2973	-52879	SLV 15	12600	39534	43514	2.5	13.3	Si
1571	4X/2Y Ø8/10	-1751	-57492	SLV 5	12805	41434	42864	2.35	23.66	-2973	-52770	SLV 15	12600	39534	43499	2.5	13.3	Si
1600	4X/2Y Ø8/10	-1751	-57385	SLV 5	12805	41434	42849	2.35	23.66	-2973	-52663	SLV 15	12600	39534	43484	2.5	13.3	Si
1620	4X/2Y Ø8/10	-1695	-36127	SLV 5	10803	40552	40585	2.3	23.92	-3396	-32663	SLV 15	9981	39534	40712	2.5	11.64	Si
1649	4X/2Y Ø8/10	-1695	-36019	SLV 5	10790	40552	40570	2.3	23.92	-3396	-32554	SLV 15	9967	39534	40697	2.5	11.64	Si
1678	4X/2Y Ø8/10	-1695	-35910	SLV 5	10776	40552	40555	2.3	23.92	-3396	-32445	SLV 15	9952	39534	40682	2.5	11.64	Si
1707	4X/2Y Ø8/14.4	-1695	-35801	SLV 5	10763	30516	38230	2.5	18	-3396	-32337	SLV 15	9938	27370	40666	2.5	8.06	Si
1736	4X/2Y Ø8/14.4	-1695	-35692	SLV 5	10749	30516	38216	2.5	18	-3396	-32228	SLV 15	9923	27370	40651	2.5	8.06	Si
1765	4X/2Y Ø8/14.4	-1695	-35584	SLV 5	10736	30516	38202	2.5	18	-3396	-32119	SLV 15	9909	27370	40636	2.5	8.06	Si
1794	4X/2Y Ø8/14.4	-1695	-35475	SLV 5	10722	30516	38188	2.5	18	-3396	-32010	SLV 15	9894	27370	40621	2.5	8.06	Si
1823	4X/2Y Ø8/14.4	-1695	-35366	SLV 5	10708	30516	38174	2.5	18	-3396	-31902	SLV 15	9879	27370	40606	2.5	8.06	Si
1852	4X/2Y Ø8/10	-1695	-35257	SLV 5	10695	39671	41072	2.25	23.4	-3396	-31793	SLV 15	9865	39534	40591	2.5	11.64	Si
1881	4X/2Y Ø8/10	-1695	-35149	SLV 5	10681	39671	41057	2.25	23.4	-3396	-31684	SLV 15	9850	39534	40576	2.5	11.64	Si
1910	4X/2Y Ø8/10	-1695	-35042	SLV 5	10668	39671	41042	2.25	23.4	-3396	-31577	SLV 15	9836	39534	40561	2.5	11.64	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	6X/2Y Ø8/10	-476	-152350	SLD 5	22477	66118	58834	2.5	123.61	2724	-152831	SLD 1	22496	57236	65483	2.5	21.01	Si
-111	6X/2Y Ø8/10	-476	-152198	SLD 5	22477	66118	58834	2.5	123.61	2724	-152679	SLD 1	22496	57236	65483	2.5	21.01	Si
-81	6X/2Y Ø8/10	-476	-152043	SLD 5	22477	66118	58834	2.5	123.61	2724	-152525	SLD 1	22496	57236	65483	2.5	21.01	Si
-52	6X/2Y Ø8/10	-476	-151889	SLD 5	22477	66118	58834	2.5	123.61	2724	-152371	SLD 1	22496	57236	65483	2.5	21.01	Si
-22	6X/2Y Ø8/15	-476	-151734	SLD 5	22477	44078	58834	2.5	92.61	2724	-152216	SLD 1	22496	38157	65483	2.5	14.01	Si
7	6X/2Y Ø8/15	-476	-151580	SLD 5	22477	44078	58834	2.5	92.61	2724	-152062	SLD 1	22496	38157	65483	2.5	14.01	Si
36	6X/2Y Ø8/15	-476	-151426	SLD 5	22477	44078	58834	2.5	92.61	2724	-151907	SLD 1	22496	38157	65483	2.5	14.01	Si
66	6X/2Y Ø8/15	-476	-151271	SLD 5	22477	44078	58834	2.5	92.61	2724	-151753	SLD 1	22496	38157	65483	2.5	14.01	Si
95	6X/2Y Ø8/15	-476	-151117	SLD 5	22477	44078	58834	2.5	92.61	2724	-151598	SLD 1	22496	38157	65483	2.5	14.01	Si
125	6X/2Y Ø8/15	-476	-150961	SLD 5	22477	44078	58834	2.5	92.61	2724	-151443	SLD 1	22496	38157	65483	2.5	14.01	Si
154	6X/2Y Ø8/15	-476	-150808	SLD 5	22477	44078	58834	2.5	92.61	2724	-151290	SLD 1	22496	38157	65483	2.5	14.01	Si
184	6X/2Y Ø8/15	-476	-150654	SLD 5	22477	44078	58834	2.5	92.61	2724	-151135	SLD 1	22496	38157	65483	2.5	14.01	Si
213	6X/2Y Ø8/15	-476	-150502	SLD 5	22477	44078	58834	2.5	92.61	2724	-150983	SLD 1	22496	38157	65483	2.5	14.01	Si
242	6X/2Y Ø8/10	-476	-150345	SLD 5	22477	66118	58834	2.5	123.61	2724	-150826	SLD 1	22496	57236	65483	2.5	21.01	Si
272	6X/2Y Ø8/10	-476	-150190	SLD 5	22477	66118	58834	2.5	123.61	2724	-150672	SLD 1	22496	57236	65483	2.5	21.01	Si
301	6X/2Y Ø8/10	-476	-150036	SLD 5	22477	66118	58834	2.5	123.61	2724	-150518	SLD 1	22496	57236	65483	2.5	21.01	Si
331	6X/2Y Ø8/10	-476	-149882	SLD 5	22477	66118	58834	2.5	123.61	2724	-150363	SLD 1	22496	57236	65483	2.5	21.01	Si
360	6X/2Y Ø8/10	-476	-149730	SLD 5	22477	66118	58834	2.5	123.61	2724	-150211	SLD 1	22496	57236	65483	2.5	21.01	Si
380	6X/2Y Ø8/10	-1007	-127076	SLD 5	22477	66118	58834	2.5	58.45	-1415	-123302	SLD 15	22496	57236	65483	2.5	40.46	Si
409	6X/2Y Ø8/10	-1007	-126924	SLD 5	22477	66118	58834	2.5	58.45	-1415	-123150	SLD 15	22496	57236	65483	2.5	40.46	Si
438	6X/2Y Ø8/10	-1007	-126772	SLD 5	22477	66118	58834	2.5	58.45	-1415	-122997	SLD 15	22496	57236	65483	2.5	40.46	Si
467	6X/2Y Ø8/14.4	-1007	-126619	SLD 5	22477	45774	58834	2.5	45.48	-1415	-122845	SLD 15	22496	39625	65483	2.5	28.01	Si
496	6X/2Y Ø8/14.4	-1007	-126467	SLD 5	22477	45774	58834	2.5	45.48	-1415	-122693	SLD 15	22496	39625	65483	2.5	28.01	Si
525	6X/2Y Ø8/14.4	-1007	-126315	SLD 5	22477	45774	58834	2.5	45.48	-1415	-122541	SLD 15	22496	39625	65483	2.5	28.01	Si
554	6X/2Y Ø8/14.4	-1007	-126163	SLD 5	22477	45774	58834	2.5	45.48	-1415	-122388	SLD 15	22496	39625	65483	2.5	28.01	Si
583	6X/2Y Ø8/14.4	-1007	-126010	SLD 5	22477	45774	58834	2.5	45.48	-1415	-122236	SLD 15	22496	39625	65483	2.5	28.01	Si
612	6X/2Y Ø8/10	-1007	-125858	SLD 5	22477	66118	58834	2.5	58.45	-1415	-122084	SLD 15	22496	57236	65483	2.5	40.46	Si
641	6X/2Y Ø8/10	-1007	-125706	SLD 5	22477	66118	58834	2.5	58.45	-1415	-121932	SLD 15	22496	57236	65483	2.5	40.46	Si
670	6X/2Y Ø8/10	-1007	-125556	SLD 5	22477	66118	58834	2.5	58.45	-1415	-121782	SLD 15	22496	57236	65483	2.5	40.46	Si
690	5X/2Y Ø8/10	-939	-103060	SLD 5	19266	55098	50429	2.5	53.68	-1401	-99857	SLD 15	19310	48385	55356	2.5	34.52	Si
719	5X/2Y Ø8/10	-939	-102930	SLD 5	19266	55098	50429	2.5	53.68	-1401	-99727	SLD 15	19310	48385	55356	2.5	34.52	Si
748	5X/2Y Ø8/10	-939	-102799	SLD 5	19266	55098	50429	2.5	53.68	-1401	-99596	SLD 15	19310	48385	55356	2.5	34.52	Si
777	5X/2Y Ø8/14.4	-939	-102669	SLD 5	19266	38145	50429	2.5	40.6	-1401	-99466	SLD 15	19310	33497	55356	2.5	23.9	Si
806	5X/2Y Ø8/14.4	-939	-102538	SLD 5	19266	38145	50429	2.5	40.6	-1401	-99335	SLD 15	19310	33497	55356	2.5	23.9	Si
835	5X/2Y Ø8/14.4	-939	-102408	SLD 5	19266	38145	50429	2.5	40.6	-1401	-99205	SLD 15	19310	33497	55356	2.5	23.9	Si
864	5X/2Y Ø8/14.4	-939	-102277	SLD 5	19266	38145	50429	2.5	40.6	-1401	-99074	SLD 15	19310	33497	55356	2.5	23.9	Si
893	5X/2Y Ø8/14.4	-939	-102147	SLD 5	19266	38145	50429	2.5	40.6	-1401	-98944	SLD 15	19310	33497	55356	2.5	23.9	Si
922	5X/2Y Ø8/10	-939	-102016	SLD 5	19266	55098	50429	2.5	53.68	-1401	-98813	SLD 15	19310	48385	55356	2.5	34.52	Si
951	5X/2Y Ø8/10	-939	-101886	SLD 5	19266	55098	50429	2.5	53.68	-1401	-98683	SLD 15	19310	48385	55356	2.5	34.52	Si
980	5X/2Y Ø8/10	-939	-101758	SLD 5	19266	55098	50429	2.5	53.68	-1401	-98554	SLD 15	19310	48385	55356	2.5	34.52	Si
1000	4X/2Y Ø8/10	-851	-79848	SLD 5	16055	44078	42024	2.5	49.38	-1174	-77245	SLD 15	15955	39534	45230	2.5	33.67	Si
1029	4X/2Y Ø8/10	-851	-79739	SLD 5	16055	44078	42024	2.5	49.38	-1174	-77136	SLD 15	15941	39534	45230	2.5	33.67	Si
1058	4X/2Y Ø8/10	-851	-79631	SLD 5	16055	44078	42024	2.5	49.38	-1174	-77027	SLD 15	15926	39534	45230	2.5	33.67	Si
1087	4X/2Y Ø8/14.4	-851	-79522	SLD 5	16055	30516	42024	2.5	35.86	-1174	-76918	SLD 15	15912	27370	45230	2.5	23.31	Si
1116	4X/2Y Ø8/14.4	-851	-79413	SLD 5	16055	30516	42024	2.5	35.86	-1174	-76810	SLD 15	15897	27370	45230	2.5	23.31	Si
1145	4X/2Y Ø8/14.4	-851	-79304	SLD 5	16055	30516	42024	2.5	35.86	-1174	-76701	SLD 15	15882	27370	45230	2.5	23.31	Si
1174	4X/2Y Ø8/14.4	-851	-79196	SLD 5	16055	30516	42024	2.5	35.86	-1174	-76592	SLD 15	15868	27370	45230	2.5	23.31	Si
1203	4X/2Y Ø8/14.4	-851	-79087	SLD 5	16055	30516	42024	2.5	35.86	-1174	-76483	SLD 15	15853	27370	45230	2.5	23.31	Si
1232	4X/2Y Ø8/10	-851	-78978	SLD 5	16055	44078	42024	2.5	49.38	-1174	-76375	SLD 15	15839	39534	45230	2.5	33.67	Si
1261	4X/2Y Ø8/10	-851	-78869	SLD 5	16055	44078	42024	2.5	49.38	-1174	-76266	SLD 15	15824	39534	45230	2.5	33.67	Si
1290	4X/2Y Ø8/10	-851	-78763	SLD 5	16055	44078	42024	2.5	49.38	-1174	-76159	SLD 15	15810	39534	45230	2.5	33.67	Si
1310	4X/2Y Ø8/10	-844	-57309	SLD 5	13440	44078	41001	2.5	48.56	-1338	-55268	SLD 15	13010	39534	43845	2.5	29.54	Si
1339	4X/2Y Ø8/10	-844	-57201	SLD 5	13427	44078	40987	2.5	48.54	-1338	-55159	SLD 15	12996	39534	43830	2.5	29.54	Si
1368	4X/2Y Ø8/10	-844	-57092	SLD 5	13413	44078	40973	2.5	48.53	-1338	-55050	SLD 15	12981	39534	43815	2.5	29.54	Si
1397	4X/2Y Ø8/14.4	-844	-56983	SLD 5	13400	30516	40959	2.5	36.14	-1338	-54941	SLD 15	12967	27370	43800	2.5	20.45	Si
1426	4X/2Y Ø8/14.4	-844	-56874	SLD 5	13386	30516	40945	2.5	36.14	-1338	-54833	SLD 15	12952	27370	43785	2.5	20.45	Si
1455	4X/2Y Ø8/14.4	-844	-56766	SLD 5	13373	30516	40931	2.5	36.14	-1338	-54724	SLD 15	12938	27370	43770	2.5	20.45	Si
1484	4X/2Y Ø8/14.4	-844	-56657	SLD 5	13359	30516	40917	2.5	36.14	-1338	-54615	SLD 15	12923	27370	43755	2.5	20.45	Si
1513	4X/2Y Ø8/14.4	-844	-56548	SLD 5	13346	30516	40903	2.5	36.14	-1338	-54506	SLD 15	12908	27370	43740	2.5	20.45	Si
1542	4X/2Y Ø8/10	-844	-56439	SLD 5	13332	44078	40889	2.5	48.43	-1338	-54398	SLD 15	12894	39534	43725	2.5	29.54	Si
1571	4X/2Y Ø8/10	-844	-56331	SLD 5	13319	44078	40875	2.5	48.41	-1338	-54289	SLD 15	12879	39534	43709	2.5	29.54	Si
1600	4X/2Y Ø8/10	-844	-56224	SLD 5	13305	44078	40861	2.5	48.4	-1338	-54182	SLD 15	12865	39534	43695	2.5	29.54	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1620	4X/2Y Ø8/10	-838	-35298	SLD 5	10700	44078	38166	2.5	45.52	-1543	-33765	SLD 15	10129	39534	40865	2.5	25.63	Si
1649	4X/2Y Ø8/10	-838	-35189	SLD 5	10686	44078	38152	2.5	45.51	-1543	-33657	SLD 15	10115	39534	40849	2.5	25.63	Si
1678	4X/2Y Ø8/10	-838	-35081	SLD 5	10673	44078	38138	2.5	45.49	-1543	-33548	SLD 15	10100	39534	40834	2.5	25.63	Si
1707	4X/2Y Ø8/14.4	-838	-34972	SLD 5	10659	30516	38124	2.5	36.4	-1543	-33439	SLD 15	10085	27370	40819	2.5	17.74	Si
1736	4X/2Y Ø8/14.4	-838	-34863	SLD 5	10646	30516	38110	2.5	36.4	-1543	-33330	SLD 15	10071	27370	40804	2.5	17.74	Si
1765	4X/2Y Ø8/14.4	-838	-34754	SLD 5	10632	30516	38096	2.5	36.4	-1543	-33222	SLD 15	10056	27370	40789	2.5	17.74	Si
1794	4X/2Y Ø8/14.4	-838	-34646	SLD 5	10619	30516	38082	2.5	36.4	-1543	-33113	SLD 15	10042	27370	40774	2.5	17.74	Si
1823	4X/2Y Ø8/14.4	-838	-34537	SLD 5	10605	30516	38068	2.5	36.4	-1543	-33004	SLD 15	10027	27370	40759	2.5	17.74	Si
1852	4X/2Y Ø8/10	-838	-34428	SLD 5	10592	44078	38054	2.5	45.39	-1543	-32895	SLD 15	10013	39534	40744	2.5	25.63	Si
1881	4X/2Y Ø8/10	-838	-34319	SLD 5	10578	44078	38040	2.5	45.37	-1543	-32787	SLD 15	9998	39534	40729	2.5	25.63	Si
1910	4X/2Y Ø8/10	-838	-34212	SLD 5	10565	44078	38026	2.5	45.36	-1543	-32680	SLD 15	9984	39534	40714	2.5	25.63	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	-701724	42204	-164341	SLE RA 7	-94.4	-701724	42204	-164341	SLE RA 7	-1342.5	Si
-111	-638030	37372	-164189	SLE RA 7	-91.7	-638030	37372	-164189	SLE RA 7	-1309.9	Si
-81	-573236	32456	-164034	SLE RA 7	-89	-573236	32456	-164034	SLE RA 7	-1276.7	Si
-52	-508441	27540	-163880	SLE RA 7	-86.3	-388433	20480	-173593	SLE RA 13	-1244.4	Si
-22	-443646	22624	-163726	SLE RA 7	-83.7	-342212	16793	-173438	SLE RA 13	-1220.3	Si
7	-295991	13106	-173284	SLE RA 13	-81.7	-295991	13106	-173284	SLE RA 13	-1196.2	Si
36	-249770	9419	-173129	SLE RA 13	-79.7	-249770	9419	-173129	SLE RA 13	-1172.1	Si
66	-203550	5732	-172975	SLE RA 13	-77.8	-203550	5732	-172975	SLE RA 13	-1148	Si
95	-157329	2045	-172821	SLE RA 13	-75.8	-157329	2045	-172821	SLE RA 13	-1123.9	Si
125	-110646	-1679	-172665	SLE RA 13	-74.1	-110646	-1679	-172665	SLE RA 13	-1102.1	Si
154	-75295	-2681	-172436	SLE RA 12	-72.9	-75295	-2681	-172436	SLE RA 12	-1085.8	Si
184	-57904	-4084	-172282	SLE RA 12	-72.3	-57904	-4084	-172282	SLE RA 12	-1078.3	Si
213	26860	-12648	-172205	SLE RA 13	-71.9	-40774	-5466	-172130	SLE RA 12	-1070.9	Si
242	73774	-16391	-172049	SLE RA 13	-73.7	73774	-16391	-172049	SLE RA 13	-1093.1	Si
272	119995	-20078	-171894	SLE RA 13	-75.5	119995	-20078	-171894	SLE RA 13	-1115.4	Si
301	269097	-31454	-162027	SLE RA 7	-77.6	166216	-23765	-171740	SLE RA 13	-1137.6	Si
331	333892	-36370	-161873	SLE RA 7	-80.2	333892	-36370	-161873	SLE RA 7	-1160.9	Si
360	397585	-41202	-161721	SLE RA 7	-82.7	397585	-41202	-161721	SLE RA 7	-1191.7	Si
380	250819	40497	-146060	SLE RA 13	-71.2	250819	40497	-146060	SLE RA 13	-1031	Si
409	219430	32294	-145908	SLE RA 13	-69.4	219430	32294	-145908	SLE RA 13	-1010.1	Si
438	188041	24090	-145756	SLE RA 13	-67.6	188041	24090	-145756	SLE RA 13	-989.1	Si
467	156651	15887	-145603	SLE RA 13	-65.8	156651	15887	-145603	SLE RA 13	-968.2	Si
496	125262	7684	-145451	SLE RA 13	-64	125262	7684	-145451	SLE RA 13	-947.2	Si
525	93873	-519	-145299	SLE RA 13	-62.3	93873	-519	-145299	SLE RA 13	-927.1	Si
554	62483	-8723	-145147	SLE RA 13	-61.8	62483	-8723	-145147	SLE RA 13	-918.5	Si
583	31094	-16926	-144994	SLE RA 13	-61.3	31094	-16926	-144994	SLE RA 13	-909.9	Si
612	-32563	-23592	-144824	SLE RA 12	-61.8	-32563	-23592	-144824	SLE RA 12	-914.5	Si
641	-47748	-32478	-144671	SLE RA 12	-62.8	-47748	-32478	-144671	SLE RA 12	-925.5	Si
670	-62533	-41394	-144540	SLE RA 13	-61.3	-62533	-41394	-144540	SLE RA 13	-899	Si
690	21812	47268	-119342	SLE RA 12	-60.4	21812	47268	-119342	SLE RA 12	-880.9	Si
719	16980	38045	-119211	SLE RA 12	-60.3	16980	38045	-119211	SLE RA 12	-883.5	Si
748	12149	28821	-119081	SLE RA 12	-59.9	12149	28821	-119081	SLE RA 12	-882.5	Si
777	7318	19597	-118950	SLE RA 12	-58.7	7318	19597	-118950	SLE RA 12	-870.6	Si
806	2487	10373	-118820	SLE RA 12	-57.6	2487	10373	-118820	SLE RA 12	-858.7	Si
835	-4812	804	-118691	SLE RA 13	-56.8	-4812	804	-118691	SLE RA 13	-850.7	Si
864	-8920	-7673	-118561	SLE RA 13	-57.5	-8920	-7673	-118561	SLE RA 13	-858.2	Si
893	-12007	-17298	-118428	SLE RA 12	-58.5	-12007	-17298	-118428	SLE RA 12	-867.6	Si
922	-16838	-26522	-118298	SLE RA 12	-59.5	-16838	-26522	-118298	SLE RA 12	-877.6	Si
951	-21669	-35746	-118167	SLE RA 12	-60.4	-21669	-35746	-118167	SLE RA 12	-886	Si
980	-26417	-44811	-118039	SLE RA 12	-58.4	-26417	-44811	-118039	SLE RA 12	-853.1	Si
1000	33036	43420	-93545	SLE RA 12	-58.7	33036	43420	-93545	SLE RA 12	-849.5	Si
1029	26881	34730	-93436	SLE RA 12	-58.5	26881	34730	-93436	SLE RA 12	-851.1	Si
1058	20726	26039	-93327	SLE RA 12	-57.9	20726	26039	-93327	SLE RA 12	-848.6	Si
1087	14571	17349	-93218	SLE RA 12	-56.5	14571	17349	-93218	SLE RA 12	-833.3	Si
1116	8416	8658	-93110	SLE RA 12	-55	8416	8658	-93110	SLE RA 12	-818.1	Si
1145	2261	-32	-93001	SLE RA 12	-53.6	2261	-32	-93001	SLE RA 12	-803	Si
1174	-3894	-8723	-92892	SLE RA 12	-54.6	-3894	-8723	-92892	SLE RA 12	-812.7	Si
1203	-10049	-17413	-92783	SLE RA 12	-55.9	-10049	-17413	-92783	SLE RA 12	-826	Si
1232	-16204	-26103	-92675	SLE RA 12	-57.2	-16204	-26103	-92675	SLE RA 12	-839.3	Si
1261	-22359	-34794	-92566	SLE RA 12	-58.5	-22359	-34794	-92566	SLE RA 12	-852.7	Si
1290	-28407	-43334	-92459	SLE RA 12	-59.8	-28407	-43334	-92459	SLE RA 12	-865.8	Si
1310	48970	49519	-68481	SLE RA 12	-48.2	48970	49519	-68481	SLE RA 12	-682.5	Si
1339	40710	39679	-68372	SLE RA 12	-46.4	40710	39679	-68372	SLE RA 12	-664.3	Si
1368	32450	29838	-68263	SLE RA 12	-44.7	32450	29838	-68263	SLE RA 12	-646.2	Si
1397	24190	19998	-68154	SLE RA 12	-43	24190	19998	-68154	SLE RA 12	-628	Si
1426	15930	10157	-68046	SLE RA 12	-41.3	15930	10157	-68046	SLE RA 12	-609.9	Si
1455	7670	317	-67937	SLE RA 12	-39.6	7670	317	-67937	SLE RA 12	-591.8	Si
1484	-590	-9524	-67828	SLE RA 12	-40	-590	-9524	-67828	SLE RA 12	-595	Si
1513	-8850	-19365	-67719	SLE RA 12	-41.6	-8850	-19365	-67719	SLE RA 12	-611.2	Si
1542	-17109	-29205	-67611	SLE RA 12	-43.2	-17109	-29205	-67611	SLE RA 12	-627.5	Si
1571	-25369	-39046	-67502	SLE RA 12	-44.8	-25369	-39046	-67502	SLE RA 12	-643.7	Si
1600	-33487	-48716	-67395	SLE RA 12	-46.4	-33487	-48716	-67395	SLE RA 12	-659.7	Si
1620	67500	52621	-44033	SLE RA 12	-35.7	67500	52621	-44033	SLE RA 12	-490.1	Si
1649	57205	42253	-43924	SLE RA 12	-33.8	57205	42253	-43924	SLE RA 12	-469.8	Si
1678	46911	31885	-43815	SLE RA 12	-31.9	46911	31885	-43815	SLE RA 12	-449.5	Si
1707	36617	21517	-43707	SLE RA 12	-30	36617	21517	-43707	SLE RA 12	-429.1	Si
1736	26323	11148	-43598	SLE RA 12	-28.1	26323	11148	-43598	SLE RA 12	-408.8	Si
1765	16601	1040	-43493	SLE RA 13	-26.2	16601	1040	-43493	SLE RA 13	-389.2	Si
1794	7025	-8878	-43384	SLE RA 13	-26.4	7025	-8878	-43384	SLE RA 13	-388.9	Si
1823	-4560	-19956	-43272	SLE RA 12	-27.4	-4560	-19956	-43272	SLE RA 12	-397.8	Si
1852	-14855	-30324	-43163	SLE RA 12	-29.2	-14855	-30324	-43163	SLE RA 12	-416.3	Si
1881	-25149	-40692	-43054	SLE RA 12	-31	-25149	-40692	-43054	SLE RA 12	-434.7	Si
1910	-35266	-50882	-42947	SLE RA 12	-32.7	-35266	-50882	-42947	SLE RA 12	-452.9	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	-220492	4617	-150369	SLE QP 2	-69.1	Si
-111	-205390	3950	-150218	SLE QP 2	-68.4	Si
-81	-190026	3271	-150063	SLE QP 2	-67.8	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
-52	-174663	2593	-149909	SLE QP 2	-67.2	Si
-22	-159299	1914	-149754	SLE QP 2	-66.5	Si
7	-143936	1235	-149600	SLE QP 2	-65.9	Si
36	-128572	556	-149445	SLE QP 2	-65.2	Si
66	-113209	-123	-149291	SLE QP 2	-64.6	Si
95	-97846	-802	-149137	SLE QP 2	-64	Si
125	-82328	-1487	-148981	SLE QP 2	-63.5	Si
154	-67119	-2159	-148828	SLE QP 2	-62.9	Si
184	-51755	-2838	-148673	SLE QP 2	-62.4	Si
213	-36622	-3507	-148521	SLE QP 2	-61.9	Si
242	-21028	-4196	-148365	SLE QP 2	-61.3	Si
272	-5665	-4874	-148210	SLE QP 2	-60.8	Si
301	9699	-5553	-148056	SLE QP 2	-60.9	Si
331	25062	-6232	-147901	SLE QP 2	-61.4	Si
360	40164	-6899	-147750	SLE QP 2	-61.9	Si
380	75815	35333	-125413	SLE QP 2	-56.3	Si
409	62840	28782	-125260	SLE QP 2	-55.3	Si
438	49866	22230	-125108	SLE QP 2	-54.3	Si
467	36891	15678	-124956	SLE QP 2	-53.3	Si
496	23916	9126	-124804	SLE QP 2	-52.2	Si
525	10941	2574	-124651	SLE QP 2	-51.2	Si
554	-2034	-3978	-124499	SLE QP 2	-51	Si
583	-15009	-10530	-124347	SLE QP 2	-51.8	Si
612	-27984	-17081	-124195	SLE QP 2	-52.7	Si
641	-40959	-23633	-124042	SLE QP 2	-53.6	Si
670	-53710	-30072	-123893	SLE QP 2	-52.1	Si
690	17702	35752	-101667	SLE QP 2	-51	Si
719	13697	28804	-101536	SLE QP 2	-51	Si
748	9691	21856	-101406	SLE QP 2	-50.7	Si
777	5686	14908	-101275	SLE QP 2	-49.8	Si
806	1681	7960	-101145	SLE QP 2	-48.9	Si
835	-2325	1011	-101014	SLE QP 2	-48.3	Si
864	-6330	-5937	-100884	SLE QP 2	-48.8	Si
893	-10335	-12885	-100753	SLE QP 2	-49.6	Si
922	-14340	-19833	-100623	SLE QP 2	-50.4	Si
951	-18346	-26781	-100492	SLE QP 2	-51	Si
980	-22282	-33610	-100364	SLE QP 2	-49.3	Si
1000	27808	32883	-78728	SLE QP 2	-49.1	Si
1029	22657	26303	-78619	SLE QP 2	-48.9	Si
1058	17505	19722	-78510	SLE QP 2	-48.5	Si
1087	12353	13142	-78402	SLE QP 2	-47.3	Si
1116	7201	6561	-78293	SLE QP 2	-46.2	Si
1145	2050	-20	-78184	SLE QP 2	-45	Si
1174	-3102	-6600	-78075	SLE QP 2	-45.8	Si
1203	-8254	-13181	-77967	SLE QP 2	-46.8	Si
1232	-13406	-19762	-77858	SLE QP 2	-47.8	Si
1261	-18557	-26342	-77749	SLE QP 2	-48.8	Si
1290	-23620	-32809	-77642	SLE QP 2	-49.8	Si
1310	41871	37507	-56437	SLE QP 2	-39.4	Si
1339	34741	30068	-56328	SLE QP 2	-38.1	Si
1368	27610	22630	-56219	SLE QP 2	-36.7	Si
1397	20479	15191	-56111	SLE QP 2	-35.3	Si
1426	13348	7753	-56002	SLE QP 2	-33.9	Si
1455	6217	314	-55893	SLE QP 2	-32.6	Si
1484	-914	-7124	-55784	SLE QP 2	-32.9	Si
1513	-8045	-14563	-55676	SLE QP 2	-34.1	Si
1542	-15176	-22001	-55567	SLE QP 2	-35.4	Si
1571	-22307	-29440	-55458	SLE QP 2	-36.6	Si
1600	-29315	-36750	-55351	SLE QP 2	-37.9	Si
1620	55512	40216	-34646	SLE QP 2	-28.1	Si
1649	47512	32291	-34537	SLE QP 2	-26.7	Si
1678	39512	24367	-34429	SLE QP 2	-25.2	Si
1707	31511	16443	-34320	SLE QP 2	-23.7	Si
1736	23511	8519	-34211	SLE QP 2	-22.2	Si
1765	15511	595	-34102	SLE QP 2	-20.7	Si
1794	7510	-7329	-33994	SLE QP 2	-20.8	Si
1823	-490	-15253	-33885	SLE QP 2	-21.2	Si
1852	-8490	-23177	-33776	SLE QP 2	-22.5	Si
1881	-16491	-31102	-33667	SLE QP 2	-23.9	Si
1910	-24353	-38889	-33560	SLE QP 2	-25.2	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

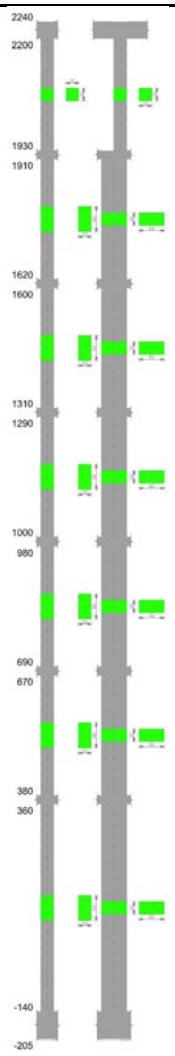
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.

Pilastro 12

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60	No	No	No	No		C30/37	B450C	
380	670	R 30x60	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x60	No	No	No	No		C30/37	B450C	
1310	1600	R 30x60	No	No	No	No		C30/37	B450C	
1620	1910	R 30x60	No	No	No	No		C30/37	B450C	
1930	2200	R 30x30 1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.5	-9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.6	-9.67	-24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.67	-24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.67	24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.67	24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.9	-12.85	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.9	0	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.9	12.85	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.9	-12.85	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.9	0	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.9	12.85	1.6	2.011	1310	1620	R 30x60	B450C
p.7	-9.67	-24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.7	9.67	-24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.9	9.67	24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.9	-9.67	24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.10	-9.9	-12.85	1.6	2.011	1620	1910	R 30x60	B450C
p.10	-9.9	0	1.6	2.011	1620	1910	R 30x60	B450C
p.10	9.9	-12.85	1.6	2.011	1620	1910	R 30x60	B450C
p.10	9.9	0	1.6	2.011	1620	1910	R 30x60	B450C
p.9	-9.9	12.85	1.6	2.011	1620	1910	R 30x60	B450C
p.9	9.9	12.85	1.6	2.011	1620	1910	R 30x60	B450C
p.15	-9.67	5.33	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.15	9.67	5.33	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.15	9.67	24.67	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.15	-9.67	24.67	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.16	-9.9	15	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.17	9.9	15	1.6	2.011	1930.1	2240	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	465208	465208	-171505	818158	818158	SLU 52	1.759	Si
-111	20.11	2.2	0	1,2	464749	464749	-171336	818158	818158	SLU 52	1.76	Si
-81	20.11	1.1	0	2	464282	464282	-171164	818158	818158	SLU 52	1.762	Si
-52	20.11	1.1	0	2	463815	463815	-170992	818158	818158	SLU 52	1.764	Si
-22	20.11	1.1	0	2	463349	463349	-170820	818158	818158	SLU 52	1.766	Si
7	20.11	1.1	0	2	462882	462882	-170648	818158	818158	SLU 52	1.768	Si
36	20.11	1.1	0	2	462415	462415	-170476	818158	818158	SLU 52	1.769	Si
66	20.11	1.1	0	2	461949	461949	-170304	818158	818158	SLU 52	1.771	Si
95	20.11	1.1	0	2	461482	461482	-170132	818158	818158	SLU 52	1.773	Si
125	20.11	1.1	0	2	461010	461010	-169958	818158	818158	SLU 52	1.775	Si
154	20.11	1.1	0	2	460548	-460548	-169787	818158	-818158	SLU 52	1.776	Si
184	20.11	1.1	0	2	460082	-460082	-169615	818158	-818158	SLU 52	1.778	Si
213	20.11	1.1	0	2	459622	-459622	-169446	818158	-818158	SLU 52	1.78	Si
242	20.11	1.1	0	2	459148	-459148	-169271	818158	-818158	SLU 52	1.782	Si
272	20.11	1.1	0	2	-458682	-458682	-169099	-818158	-818158	SLU 52	1.784	Si
301	20.11	1.1	0	2	-458215	-458215	-168927	-818158	-818158	SLU 52	1.786	Si
331	20.11	1.1	0	2	-457748	-457748	-168755	-818158	-818158	SLU 52	1.787	Si
360	20.11	1.1	0	2	-457289	-457289	-168586	-818158	-818158	SLU 52	1.789	Si
380	20.11	2.2	0	2,3	-287381	287381	-143690	-647491	647491	SLU 52	2.253	Si
409	20.11	2.2	0	2,3	-287041	287041	-143521	-647491	647491	SLU 52	2.256	Si
438	20.11	1.1	0	3	-286702	286702	-143351	-647491	647491	SLU 52	2.258	Si
467	20.11	1.1	0	3	-286363	286363	-143181	-647491	647491	SLU 52	2.261	Si
496	20.11	1.1	0	3	-286023	286023	-143012	-647491	647491	SLU 52	2.264	Si
525	20.11	1.1	0	3	-285684	-285684	-142842	-647491	-647491	SLU 52	2.266	Si
554	20.11	1.1	0	3	-285345	-285345	-142672	-647491	-647491	SLU 52	2.269	Si
583	20.11	1.1	0	3	285005	-285005	-142503	647491	-647491	SLU 52	2.272	Si
612	20.11	1.1	0	3	284666	-284666	-142333	647491	-647491	SLU 52	2.275	Si
641	20.11	1.1	0	3	284327	-284327	-142163	647491	-647491	SLU 52	2.277	Si
670	20.11	1.1	0	3	283993	-283993	-141997	647491	-647491	SLU 52	2.28	Si
690	20.11	2.2	0	3,4	-235929	235929	-117965	-647491	647491	SLU 52	2.744	Si
719	20.11	2.2	0	3,4	-235590	235590	-117795	-647491	647491	SLU 52	2.748	Si
748	20.11	1.1	0	4	-235251	235251	-117625	-647491	647491	SLU 52	2.752	Si
777	20.11	1.1	0	4	234912	234912	-117456	647491	647491	SLU 52	2.756	Si
806	20.11	1.1	0	4	234572	234572	-117286	647491	647491	SLU 52	2.76	Si
835	20.11	1.1	0	4	234233	234233	-117116	647491	647491	SLU 52	2.764	Si
864	20.11	1.1	0	4	233894	-233894	-116947	647491	-647491	SLU 52	2.768	Si
893	20.11	1.1	0	4	233554	-233554	-116777	647491	-647491	SLU 52	2.772	Si
922	20.11	1.1	0	4	233215	-233215	-116608	647491	-647491	SLU 52	2.776	Si
951	20.11	1.1	0	4	232876	-232876	-116438	647491	-647491	SLU 52	2.78	Si
980	20.11	1.1	0	4	232536	-232536	-116268	647491	-647491	SLU 52	2.784	Si
1000	20.11	2.2	0	4,5	-181748	181748	-90874	-647491	647491	SLU 52	3.563	Si
1029	20.11	2.2	0	4,5	-181414	181414	-90707	-647491	647491	SLU 52	3.569	Si
1058	20.11	1.1	0	5	-181075	181075	-90538	-647491	647491	SLU 52	3.576	Si
1087	20.11	1.1	0	5	-180736	180736	-90368	-647491	647491	SLU 52	3.583	Si
1116	20.11	1.1	0	5	-180396	180396	-90198	-647491	647491	SLU 52	3.589	Si
1145	20.11	1.1	0	5	180057	180057	-90029	647491	647491	SLU 52	3.596	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1174	20.11	1.1	0	5	179718	-179718	-89859	647491	-647491	SLU 52	3.603	Si
1203	20.11	1.1	0	5	179379	-179379	-89689	647491	-647491	SLU 52	3.61	Si
1232	20.11	1.1	0	5	179039	-179039	-89520	647491	-647491	SLU 52	3.616	Si
1261	20.11	1.1	0	5	178700	-178700	-89350	647491	-647491	SLU 52	3.623	Si
1290	20.11	1.1	0	5	178361	-178361	-89180	647491	-647491	SLU 52	3.63	Si
1310	20.11	2.2	0	5,6	-128738	128738	-64369	-647491	647491	SLU 52	5.03	Si
1339	20.11	2.2	0	5,6	-128405	128405	-64202	-647491	647491	SLU 52	5.043	Si
1368	20.11	1.1	0	6	-128065	128065	-64033	-647491	647491	SLU 52	5.056	Si
1397	20.11	1.1	0	6	-127726	127726	-63863	-647491	647491	SLU 52	5.069	Si
1426	20.11	1.1	0	6	-127387	127387	-63693	-647491	647491	SLU 52	5.083	Si
1455	20.11	1.1	0	6	127047	-127047	-63524	647491	-647491	SLU 52	5.096	Si
1484	20.11	1.1	0	6	126708	-126708	-63354	647491	-647491	SLU 52	5.11	Si
1513	20.11	1.1	0	6	126369	-126369	-63184	647491	-647491	SLU 52	5.124	Si
1542	20.11	1.1	0	6	126029	-126029	-63015	647491	-647491	SLU 52	5.138	Si
1571	20.11	1.1	0	6	125690	-125690	-62845	647491	-647491	SLU 52	5.151	Si
1600	20.11	1.1	0	6	130941	-125357	-62678	675121	-646329	SLU 52	5.156	Si
1620	20.11	2.2	0	6,7,9,10	-77013	-77013	-38506	-647491	-647491	SLU 52	8.408	Si
1649	20.11	2.2	0	6,7,9,10	-76673	-76673	-38337	-647491	-647491	SLU 52	8.445	Si
1678	20.11	1.1	0	7,9,10	-76334	-76334	-38167	-647491	-647491	SLU 52	8.482	Si
1707	20.11	1.1	0	7,9,10	-75995	75995	-37997	-647491	647491	SLU 52	8.52	Si
1736	20.11	1.1	0	7,9,10	-75655	75655	-37828	-647491	647491	SLU 52	8.558	Si
1765	20.11	1.1	0	7,9,10	-75316	75316	-37658	-647491	647491	SLU 52	8.597	Si
1794	20.11	1.1	0	7,9,10	74977	74977	-37488	647491	647491	SLU 52	8.636	Si
1823	20.11	1.1	0	7,9,10	74637	74637	-37319	647491	647491	SLU 52	8.675	Si
1852	20.11	1.1	0	7,9,10	74298	74298	-37149	647491	647491	SLU 52	8.715	Si
1881	20.11	1.1	0	7,9,10	73959	73959	-36979	647491	647491	SLU 52	8.755	Si
1910	39.29	3.1	0	7,8,9,10,11,12,13,14	73625	73625	-36813	735117	735117	SLU 52	9.985	Si
1930	12.17	2.2	0	8,9,11,12,13,14	112160	24774	-9389	747007	164997	SLU 51	6.66	Si
1960	7.38	3.6	0	8,9,11,12,13,14,15,16,17	77231	21773	-10252	687053	193698	SLU 47	8.896	Si
1990	12.06	1.3	0	15,16,17	43095	20328	-10164	568072	267962	SLU 47	13.182	Si
2020	12.06	1.3	0	15,16,17	20152	20152	-10076	316346	316346	SLU 47	15.698	Si
2050	12.06	1.3	0	15,16,17	-25178	19977	-9988	-384714	305237	SLU 47	15.279	Si
2080	12.06	1.3	0	15,16,17	-59315	19801	-9901	-698594	233215	SLU 47	11.778	Si
2110	12.06	1.3	0	15,16,17	-98813	-17724	-8862	-890731	-159772	SLU 51	9.014	Si
2140	12.06	1.3	0	15,16,17	-133975	-17549	-8774	-947062	-124051	SLU 51	7.069	Si
2170	12.06	1.3	0	15,16,17	-164527	-14844	-7422	-878278	-79241	SLU 49	5.338	Si
2200	12.06	1.3	0	15,16,17	-197851	-14672	-7336	-805862	-59759	SLU 49	4.073	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	849163	296492	-109104	-2.02	1.92	1640208	572691	SLV 1	1.932				Si
-111	20.11	2.2	0	1,2	782921	268869	-108974	-2.02	1.92	1584504	544147	SLV 1	2.024				Si
-81	20.11	1.1	0	2	715538	305906	-108841	-2.02	1.92	1449613	619736	SLV 1	2.026				Si
-52	20.11	1.1	0	2	648161	279046	-108709	-2.02	1.92	1375426	592147	SLV 1	2.122				Si
-22	20.11	1.1	0	2	580792	241974	-108577	-2.02	1.92	1300315	541748	SLV 1	2.239				Si
7	20.11	1.1	0	2	513434	204934	-108444	-2.02	1.92	1212636	484016	SLV 1	2.362				Si
36	20.11	1.1	0	2	446093	167946	-108312	-2.02	1.92	1113043	419040	SLV 1	2.495				Si
66	20.11	1.1	0	2	378780	131065	-108180	-2.02	1.92	1001346	346483	SLV 1	2.644				Si
95	20.11	1.1	0	2	311513	94409	-108047	-2.02	1.92	875338	265285	SLV 1	2.81				Si
125	20.11	1.1	0	2	109867	43416	-111162	-2.02	1.92	325436	128601	SLV 3	2.962				Si
154	20.11	1.1	0	2	84586	16360	-111031	-2.02	1.92	250847	48518	SLV 3	2.966				Si
184	20.11	1.1	0	2	59344	-18819	-110898	-2.02	1.92	176198	-55877	SLV 3	2.969				Si
213	20.11	1.1	0	2	42068	-57990	-110768	-2.02	1.92	125052	-172381	SLV 3	2.973				Si
242	20.11	1.1	0	2	11972	-94701	-110634	-2.02	1.92	35631	-281850	SLV 3	2.976				Si
272	20.11	1.1	0	2	-19092	-131406	-110501	-2.02	1.92	-56890	-391562	SLV 3	2.98				Si
301	20.11	1.1	0	2	165076	-128620	-108908	-2.02	1.92	479122	-373312	SLV 7	2.902				Si
331	20.11	1.1	0	2	213563	-155378	-108776	-2.02	1.92	592767	-431268	SLV 7	2.776				Si
360	20.11	1.1	0	2	-295409	-180064	-106858	-2.02	1.92	-785483	-478786	SLV 1	2.659				Si
380	20.11	2.2	0	2,3	-321143	272547	-91564	-2.02	1.92	-865930	734896	SLV 7	2.696				Si
409	20.11	2.2	0	2,3	-259560	219889	-91433	-2.02	1.92	-755051	639649	SLV 7	2.909				Si
438	20.11	1.1	0	3	-198280	167268	-91303	-2.02	1.92	-625249	527455	SLV 7	3.153				Si
467	20.11	1.1	0	3	-137737	114734	-91172	-2.02	1.92	-473943	394793	SLV 7	3.441				Si
496	20.11	1.1	0	3	1109	80878	-92584	-2.02	1.92	3946	287640	SLV 3	3.556				Si
525	20.11	1.1	0	3	-1659	13837	-92453	-2.02	1.92	-5910	49279	SLV 3	3.561				Si
554	20.11	1.1	0	3	-15373	-60951	-92323	-2.02	1.92	-54827	-217382	SLV 3	3.567				Si
583	20.11	1.1	0	3	-18696	-128463	-92192	-2.02	1.92	-66485	-456831	SLV 3	3.556				Si
612	20.11	1.1	0	3	180314	-149848	-90520	-2.02	1.92	587792	-488476	SLV 7	3.26				Si
641	20.11	1.1	0	3	241556	-202448	-90389	-2.02	1.92	725982	-608446	SLV 7	3.005				Si
670	20.11	1.1	0	3	302058	-254189	-90261	-2.02	1.92	842652	-709112	SLV 7	2.79				Si
690	20.11	2.2	0	3,4	-301568	238737	-74149	-2.02	1.92	-962704	762127	SLV 7	3.192				Si
719	20.11	2.2	0	3,4	-238317	190806	-74018	-2.02	1.92	-831129	665434	SLV 7	3.487				Si
748	20.11	1.1	0	4	-175378	142931	-73888	-2.02	1.92	-671068	546913	SLV 7	3.826				Si
777	20.11	1.1	0	4	42010	123660	-75049	-2.02	1.92	175991	518042	SLV 3	4.189				Si
806	20.11	1.1	0	4	33582	62655	-74919	-2.02	1.92	147594	275368	SLV 3	4.395				Si
835	20.11	1.1	0	4	38323	-9602	-74788	-2.02	1.92	168722	-42275	SLV 3	4.403				Si
864	20.11	1.1	0	4	3146	-68297	-74658	-2.02	1.92	13876	-301217	SLV 3	4.41				Si
893	20.11	1.1	0	4	150854	-98439	-73235	-2.02	1.92	624098	-407253	SLV 7	4.137				Si
922	20.11	1.1	0	4	213077	-146199	-73105	-2.02	1.92	800209	-549048	SLV 7	3.755				Si
951	20.11	1.1	0	4	276039	-194084	-72974	-2.02	1.92	948096	-666611	SLV 7	3.435				Si
980	20.11	1.1	0	4	339300	-242020	-72844	-2.02	1.92	1067493	-761434	SLV 7	3.146				Si
1000	20.11	2.2	0	4,5	-302522	219320	-52901	-2.02	1.92	-1171773	849503	SLV 7	3.873				Si
1029	20.11	2.2	0	4,5	-239832	176012	-52773	-2.02	1.92	-1045169	767047	SLV 7	4.358				Si
1058	20.11	1.1	0	5	118711	127526	-56949	-2.02	1.92	580321	623416	SLV 1	4.889				Si
1087	20.11	1.1	0	5	80654	85348	-56818	-2.02	1.92	436410	461810	SLV 1	5.411				Si
1116	20.11	1.1	0	5	50531	44591	-56688	-2.02	1.92	293508	259007	SLV 1	5.808				Si
1145	20.11	1.1	0	5	-32339	-11243	-56557	-2.02	1.92	-188277	-65454	SLV 1	5.822				Si
1174	20.11	1.1	0	5	-70363	-48386	-56427	-2.02	1.92	-410591	-282351	SLV 1	5.835				Si
1203	20.11	1.1	0	5	-106860	-89590	-56296	-2.02	1.92	-565943	-474477	SLV 1	5.296				Si
1232	20.11	1.1	0	5	220328	-134795	-51860	-2.02	1.92	1050055	-642415	SLV 7	4.766				Si
1261	20.11	1.1	0	5	284004	-178791	-51729	-2.02	1.92	1203121	-757409	SLV 7	4.236				Si
1290	20.11	1.1	0	5	348024	-222866	-51599	-2.02	1.92	1305522	-836025	SLV 7	3.751				Si
1310	20.11	2.2	0	5,6	-279388	195076	-36202	-2.02	1.92	-1310278	914872	SLV 7	4.69				Si
1339	20.11	2.2	0	5,6	-218407	155228	-36073	-2.02	1.92	-1207647	858309	SLV 7	5.529				Si
1368	20.11	1.1	0	6	104489	114423	-39589	-2.02	1.92	678979	743532	SLV 1	6.498				Si
1397	20.11	1.1	0	6	71066	74231	-39458	-2.02	1.92	524601	547965	SLV 1	7.382				Si
1426	20.11	1.1	0	6	53579	-10831	-39542	-2.02	1.92	446152	-90188	SLV 5	8.327				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1455	20.11	1.1	0	6	-55937	-11546	-39412	-2.02	1.92	-467331	-96463	SLV 5	8.355				Si
1484	20.11	1.1	0	6	-63887	-50647	-39067	-2.02	1.92	-508041	-402753	SLV 1	7.952				Si
1513	20.11	1.1	0	6	166621	-91005	-35290	-2.02	1.92	1146333	-626105	SLV 7	6.88				Si
1542	20.11	1.1	0	6	228149	-131269	-35160	-2.02	1.92	1332714	-766798	SLV 7	5.841				Si
1571	20.11	1.1	0	6	290239	-171744	-35029	-2.02	1.92	1430946	-846737	SLV 7	4.93				Si
1600	20.11	1.1	0	6	351515	-211605	-34901	-2.02	1.92	1468052	-883740	SLV 7	4.176				Si
1620	20.11	2.2	0	6,7,9,10	-99607	-237373	-23936	-2.02	1.92	-543954	-1296288	SLV 13	5.461				Si
1649	20.11	2.2	0	6,7,9,10	-78911	-182006	-23805	-2.02	1.92	-544326	-1255474	SLV 13	6.898				Si
1678	20.11	1.1	0	7,9,10	-58313	-126932	-23675	-2.02	1.92	-514362	-1119627	SLV 13	8.821				Si
1707	20.11	1.1	0	7,9,10	-38041	-72770	-23544	-2.02	1.92	-424331	-811706	SLV 13	11.154				Si
1736	20.11	1.1	0	7,9,10	-3917	-19007	-24402	-2.02	1.92	-52860	-256476	SLV 9	13.494				Si
1765	20.11	1.1	0	7,9,10	36888	50650	-21661	-2.02	1.92	477106	655102	SLV 15	12.934				Si
1794	20.11	1.1	0	7,9,10	86252	84573	-21530	-2.02	1.92	895685	878246	SLV 15	10.385				Si
1823	20.11	1.1	0	7,9,10	47020	155908	-23022	-2.02	1.92	379883	1259621	SLV 13	8.079				Si
1852	20.11	1.1	0	7,9,10	67673	211067	-22892	-2.02	1.92	426260	1329476	SLV 13	6.299				Si
1881	20.11	1.1	0	7,9,10	241827	202375	-21139	-2.02	1.92	1211836	1014134	SLV 15	5.011				Si
1910	39.29	3.1	0	7,8,9,10,11,12,13,14	108786	321027	-22633	-2.02	1.92	533446	1574199	SLV 13	4.904				Si
1930	12.17	2.2	0	8,9,11,12,13,14	214276	122927	-7875	-2.02	1.92	313302	179737	SLV 9	1.462				Si
1960	7.38	3.6	0	8,9,11,12,13,14,15,16,17	164136	89187	-7808	-2.02	1.92	387404	210506	SLV 9	2.36				Si
1990	12.06	1.3	0	15,16,17	114390	55427	-7740	-2.02	1.92	551439	267196	SLV 9	4.821				Si
2020	12.06	1.3	0	15,16,17	55597	24343	-8549	-2.02	1.92	558882	244708	SLV 5	10.052				Si
2050	12.06	1.3	0	15,16,17	-52302	30326	-1838	-2.02	1.92	-477385	276799	SLV 11	9.127				Si
2080	12.06	1.3	0	15,16,17	-63013	70779	-1770	-2.02	1.92	-301659	338842	SLV 11	4.787				Si
2110	12.06	1.3	0	15,16,17	-100052	111732	-1703	-2.02	1.92	-281595	314467	SLV 11	2.814				Si
2140	12.06	1.3	0	15,16,17	-138791	115793	-2631	-2.02	1.92	-344345	287285	SLV 15	2.481				Si
2170	12.06	1.3	0	15,16,17	-178836	145967	-2564	-2.02	1.92	-336524	274672	SLV 15	1.882				Si
2200	12.06	1.3	0	15,16,17	-218622	175662	-2497	-2.02	1.92	-331902	266682	SLV 15	1.518				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	422904	134884	-105540	1112608	354862	SLD 1	2.631	Si
-111	20.11	2.2	0	1,2	390957	122141	-105410	1054778	329529	SLD 1	2.698	Si
-81	20.11	1.1	0	2	358460	134705	-105277	972683	365522	SLD 1	2.714	Si
-52	20.11	1.1	0	2	325966	122226	-105145	907849	340413	SLD 1	2.785	Si
-22	20.11	1.1	0	2	293477	105746	-105013	842380	303529	SLD 1	2.87	Si
7	20.11	1.1	0	2	260994	89280	-104880	772727	264331	SLD 1	2.961	Si
36	20.11	1.1	0	2	228522	72836	-104748	698558	222648	SLD 1	3.057	Si
66	20.11	1.1	0	2	110866	44346	-105916	344656	137862	SLD 3	3.109	Si
95	20.11	1.1	0	2	94821	31365	-105784	295147	97630	SLD 3	3.113	Si
125	20.11	1.1	0	2	78631	18234	-105650	245063	56827	SLD 3	3.117	Si
154	20.11	1.1	0	2	62803	5924	-105519	195975	18486	SLD 3	3.12	Si
184	20.11	1.1	0	2	46984	-9960	-105387	146796	-31118	SLD 3	3.124	Si
213	20.11	1.1	0	2	35034	-27536	-105257	109596	-86141	SLD 3	3.128	Si
242	20.11	1.1	0	2	16637	-43871	-105122	52112	-137415	SLD 3	3.132	Si
272	20.11	1.1	0	2	-1999	-60194	-104990	-6270	-188780	SLD 3	3.136	Si
301	20.11	1.1	0	2	-17961	-76601	-104858	-56402	-240541	SLD 3	3.14	Si
331	20.11	1.1	0	2	-33983	-93050	-104725	-106846	-292562	SLD 3	3.144	Si
360	20.11	1.1	0	2	-49750	-109239	-104595	-156615	-343890	SLD 3	3.148	Si
380	20.11	2.2	0	2,3	-158274	131695	-88231	-542567	451455	SLD 7	3.428	Si
409	20.11	2.2	0	2,3	-128601	106201	-88100	-461537	381145	SLD 7	3.589	Si
438	20.11	1.1	0	3	-17958	100299	-88568	-66764	372883	SLD 3	3.718	Si
467	20.11	1.1	0	3	-13797	68622	-88437	-51369	255493	SLD 3	3.723	Si
496	20.11	1.1	0	3	-9052	37269	-88307	-33752	138964	SLD 3	3.729	Si
525	20.11	1.1	0	3	-4367	6416	-88176	-16309	23959	SLD 3	3.734	Si
554	20.11	1.1	0	3	-5242	-28906	-88046	-19605	-108101	SLD 3	3.74	Si
583	20.11	1.1	0	3	-634	-59977	-87915	-2375	-224633	SLD 3	3.745	Si
612	20.11	1.1	0	3	3494	-91607	-87785	13104	-343606	SLD 3	3.751	Si
641	20.11	1.1	0	3	114040	-98408	-87056	420432	-362799	SLD 7	3.687	Si
670	20.11	1.1	0	3	143196	-123457	-86928	505204	-435567	SLD 7	3.528	Si
690	20.11	2.2	0	3,4	-125065	117873	-71899	-519928	490029	SLD 7	4.157	Si
719	20.11	2.2	0	3,4	-96936	94406	-71769	-424498	413416	SLD 7	4.379	Si
748	20.11	1.1	0	4	20526	87808	-72145	93680	400752	SLD 3	4.564	Si
777	20.11	1.1	0	4	20438	58884	-72015	93447	269232	SLD 3	4.572	Si
806	20.11	1.1	0	4	21035	30615	-71884	96354	140235	SLD 3	4.581	Si
835	20.11	1.1	0	4	27397	-3864	-71754	125723	-17729	SLD 3	4.589	Si
864	20.11	1.1	0	4	14566	-31240	-71623	66963	-143620	SLD 3	4.597	Si
893	20.11	1.1	0	4	15254	-59689	-71493	70254	-274906	SLD 3	4.606	Si
922	20.11	1.1	0	4	105234	-70770	-70855	478944	-322090	SLD 7	4.551	Si
951	20.11	1.1	0	4	133188	-94209	-70725	576072	-407476	SLD 7	4.325	Si
980	20.11	1.1	0	4	161323	-117678	-70594	664650	-484834	SLD 7	4.12	Si
1000	20.11	2.2	0	4,5	-153184	103076	-53393	-794022	534286	SLD 7	5.183	Si
1029	20.11	2.2	0	4,5	-121853	82941	-53265	-672101	457476	SLD 7	5.516	Si
1058	20.11	1.1	0	5	-90316	62504	-53134	-532692	368653	SLD 7	5.898	Si
1087	20.11	1.1	0	5	22517	41395	-54860	135147	248455	SLD 1	6.002	Si
1116	20.11	1.1	0	5	18779	22484	-54729	112982	135269	SLD 1	6.016	Si
1145	20.11	1.1	0	5	-13065	-4654	-54599	-78795	-28067	SLD 1	6.031	Si
1174	20.11	1.1	0	5	-20308	-21921	-54468	-122766	-132518	SLD 1	6.045	Si
1203	20.11	1.1	0	5	-26482	-40986	-54338	-160473	-248365	SLD 1	6.06	Si
1232	20.11	1.1	0	5	109508	-61862	-52351	642657	-363039	SLD 7	5.869	Si
1261	20.11	1.1	0	5	141304	-82305	-52221	778411	-453397	SLD 7	5.509	Si
1290	20.11	1.1	0	5	173310	-102796	-52090	899343	-533429	SLD 7	5.189	Si
1310	20.11	2.2	0	5,6	-146142	87983	-37028	-1005548	605381	SLD 7	6.881	Si
1339	20.11	2.2	0	5,6	-114453	69761	-36900	-852695	519733	SLD 7	7.45	Si
1368	20.11	1.1	0	6	-82536	51276	-36770	-670924	416817	SLD 7	8.129	Si
1397	20.11	1.1	0	6	33928	-4351	-38289	291767	-37419	SLD 5	8.6	Si
1426	20.11	1.1	0	6	23576	-4632	-38159	203439	-39968	SLD 5	8.629	Si
1455	20.11	1.1	0	6	-19237	-7677	-38028	-166567	-66471	SLD 5	8.659	Si
1484	20.11	1.1	0	6	-24674	-3014	-37898	-214374	-26187	SLD 5	8.688	Si
1513	20.11	1.1	0	6	86453	-43190	-36117	723582	-361488	SLD 7	8.37	Si
1542	20.11	1.1	0	6	118338	-61560	-35987	910504	-473649	SLD 7	7.694	Si
1571	20.11	1.1	0	6	150571	-80056	-35856	1071014	-569438	SLD 7	7.113	Si
1600	20.11	1.1	0	6	182405	-98283	-35728	1203415	-648416	SLD 7	6.597	Si
1620	20.11	2.2	0	6,7,9,10	-66216	-108339	-22687	-632078	-1034176	SLD 13	9.546	Si
1649	20.11	2.2	0	6,7,9,10	-53305	-82388	-22557	-575618	-889680	SLD 13	10.799	Si
1678	20.11	1.1	0	7,9,10	-40440	-56594	-22426	-494708	-692334	SLD 13	12.233	Si
1707	20.11	1.1	0	7,9,10	-27716	-31268	-22296	-389207	-439086	SLD 13	14.042	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1736	20.11	1.1	0	7,9,10	-7922	-5794	-22576	-115540	-84506	SLD 9	14.585	Si
1765	20.11	1.1	0	7,9,10	-21261	5691	-22446	-311887	83483	SLD 9	14.669	Si
1794	20.11	1.1	0	7,9,10	35748	44120	-21239	483618	596878	SLD 15	13.528	Si
1823	20.11	1.1	0	7,9,10	25034	76505	-21774	295753	903841	SLD 13	11.814	Si
1852	20.11	1.1	0	7,9,10	37915	102327	-21643	397070	1071628	SLD 13	10.473	Si
1881	20.11	1.1	0	7,9,10	50833	128290	-21513	468592	1182609	SLD 13	9.218	Si
1910	39.29	3.1	0	7,8,9,10,11,12,13,14	137301	122495	-20719	1251294	1116361	SLD 15	9.114	Si
1930	12.17	2.2	0	8,9,11,12,13,14	138122	59091	-6419	392738	168020	SLD 9	2.843	Si
1960	7.38	3.6	0	8,9,11,12,13,14,15,16,17	103361	43789	-6351	477003	202081	SLD 9	4.615	Si
1990	12.06	1.3	0	15,16,17	68731	28475	-6284	587944	243586	SLD 9	8.554	Si
2020	12.06	1.3	0	15,16,17	29509	14276	-6572	485552	234903	SLD 5	16.454	Si
2050	12.06	1.3	0	15,16,17	-33141	14998	-3815	-573099	259354	SLD 11	17.293	Si
2080	12.06	1.3	0	15,16,17	-47343	29454	-3748	-505797	314675	SLD 11	10.684	Si
2110	12.06	1.3	0	15,16,17	-75444	44186	-3680	-502466	294284	SLD 11	6.66	Si
2140	12.06	1.3	0	15,16,17	-89354	-67383	-6302	-459069	-346187	SLD 5	5.138	Si
2170	12.06	1.3	0	15,16,17	-116499	-87957	-6235	-449410	-339307	SLD 5	3.858	Si
2200	12.06	1.3	0	15,16,17	-177483	-78283	-5812	-520787	-229706	SLD 9	2.934	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-488	-160760	SLU 46	15366	50690	52063	2.3	103.88	-850	-160760	SLU 46	15029	48385	53893	2.5	56.93	Si
-111	5X/2Y Ø8/10	-488	-160591	SLU 46	15366	50690	52120	2.3	103.88	-850	-160591	SLU 46	15029	48385	53953	2.5	56.93	Si
-81	5X/2Y Ø8/10	-488	-160419	SLU 46	15366	50690	52179	2.3	103.88	-850	-160419	SLU 46	15029	48385	54014	2.5	56.93	Si
-52	5X/2Y Ø8/10	-488	-160247	SLU 46	15366	50690	52238	2.3	103.88	-850	-160247	SLU 46	15029	48385	54075	2.5	56.93	Si
-22	5X/2Y Ø8/15	-488	-160075	SLU 46	15366	36732	49317	2.5	75.28	-850	-160075	SLU 46	15029	32257	54136	2.5	37.95	Si
7	5X/2Y Ø8/15	-488	-159903	SLU 46	15366	36732	49372	2.5	75.28	-850	-159903	SLU 46	15029	32257	54196	2.5	37.95	Si
36	5X/2Y Ø8/15	-488	-159731	SLU 46	15366	36732	49428	2.5	75.28	-850	-159731	SLU 46	15029	32257	54257	2.5	37.95	Si
66	5X/2Y Ø8/15	-488	-159559	SLU 46	15366	36732	49483	2.5	75.28	-850	-159559	SLU 46	15029	32257	54318	2.5	37.95	Si
95	5X/2Y Ø8/15	-488	-159387	SLU 46	15366	36732	49539	2.5	75.28	-850	-159387	SLU 46	15029	32257	54379	2.5	37.95	Si
125	5X/2Y Ø8/15	-488	-159213	SLU 46	15366	36732	49595	2.5	75.28	-850	-159213	SLU 46	15029	32257	54440	2.5	37.95	Si
154	5X/2Y Ø8/15	-488	-159043	SLU 46	15366	36732	49649	2.5	75.28	-850	-159043	SLU 46	15029	32257	54500	2.5	37.95	Si
184	5X/2Y Ø8/15	-488	-158871	SLU 46	15366	36732	49705	2.5	75.28	-850	-158871	SLU 46	15029	32257	54561	2.5	37.95	Si
213	5X/2Y Ø8/15	-488	-158701	SLU 46	15366	36732	49759	2.5	75.28	-850	-158701	SLU 46	15029	32257	54621	2.5	37.95	Si
242	5X/2Y Ø8/10	-488	-158527	SLU 46	15366	51792	52050	2.35	106.14	-850	-158527	SLU 46	15029	48385	54683	2.5	56.93	Si
272	5X/2Y Ø8/10	-488	-158355	SLU 46	15366	51792	52108	2.35	106.14	-850	-158355	SLU 46	15029	48385	54744	2.5	56.93	Si
301	5X/2Y Ø8/10	-488	-158183	SLU 46	15366	51792	52165	2.35	106.14	-850	-158183	SLU 46	15029	48385	54805	2.5	56.93	Si
331	5X/2Y Ø8/10	-488	-158010	SLU 46	15366	51792	52223	2.35	106.14	-850	-158010	SLU 46	15029	48385	54865	2.5	56.93	Si
360	5X/2Y Ø8/10	-488	-157841	SLU 46	15366	51792	52280	2.35	106.14	-850	-157841	SLU 46	15029	48385	54925	2.5	56.93	Si
380	5X/2Y Ø8/10	-588	-141927	SLU 49	15366	51792	52691	2.35	88.04	588	-134651	SLU 46	15029	48385	55356	2.5	82.25	Si
409	5X/2Y Ø8/10	-588	-141757	SLU 49	15366	51792	52691	2.35	88.04	588	-134481	SLU 46	15029	48385	55356	2.5	82.25	Si
438	5X/2Y Ø8/10	-588	-141588	SLU 49	15366	51792	52691	2.35	88.04	588	-134311	SLU 46	15029	48385	55356	2.5	82.25	Si
467	5X/2Y Ø8/14.4	-588	-141418	SLU 49	15366	38145	50429	2.5	64.84	588	-134142	SLU 46	15029	33497	55356	2.5	56.94	Si
496	5X/2Y Ø8/14.4	-588	-141248	SLU 49	15366	38145	50429	2.5	64.84	588	-133972	SLU 46	15029	33497	55356	2.5	56.94	Si
525	5X/2Y Ø8/14.4	-588	-141079	SLU 49	15366	38145	50429	2.5	64.84	588	-133802	SLU 46	15029	33497	55356	2.5	56.94	Si
554	5X/2Y Ø8/14.4	-588	-140909	SLU 49	15366	38145	50429	2.5	64.84	588	-133633	SLU 46	15029	33497	55356	2.5	56.94	Si
583	5X/2Y Ø8/14.4	-588	-140740	SLU 49	15366	38145	50429	2.5	64.84	588	-133463	SLU 46	15029	33497	55356	2.5	56.94	Si
612	5X/2Y Ø8/10	-588	-140570	SLU 49	15366	51792	52691	2.35	88.04	588	-133293	SLU 46	15029	48385	55356	2.5	82.25	Si
641	5X/2Y Ø8/10	-588	-140400	SLU 49	15366	51792	52691	2.35	88.04	588	-133124	SLU 46	15029	48385	55356	2.5	82.25	Si
670	5X/2Y Ø8/10	-588	-140233	SLU 49	15366	51792	52691	2.35	88.04	588	-132957	SLU 46	15029	48385	55356	2.5	82.25	Si
690	5X/2Y Ø8/10	-559	-116696	SLU 50	15366	51792	52691	2.35	92.62	419	-110384	SLU 46	15029	48385	55356	2.5	115.37	Si
719	5X/2Y Ø8/10	-559	-116526	SLU 50	15366	51792	52691	2.35	92.62	419	-110215	SLU 46	15029	48385	55356	2.5	115.37	Si
748	5X/2Y Ø8/10	-559	-116356	SLU 50	15366	51792	52691	2.35	92.62	419	-110045	SLU 46	15029	48385	55356	2.5	115.37	Si
777	5X/2Y Ø8/14.4	-559	-116187	SLU 50	15366	38145	50429	2.5	68.21	419	-109875	SLU 46	15029	33497	55356	2.5	79.87	Si
806	5X/2Y Ø8/14.4	-559	-116017	SLU 50	15366	38145	50429	2.5	68.21	419	-109706	SLU 46	15029	33497	55356	2.5	79.87	Si
835	5X/2Y Ø8/14.4	-559	-115847	SLU 50	15366	38145	50429	2.5	68.21	419	-109536	SLU 46	15029	33497	55356	2.5	79.87	Si
864	5X/2Y Ø8/14.4	-559	-115678	SLU 50	15366	38145	50429	2.5	68.21	419	-109366	SLU 46	15029	33497	55356	2.5	79.87	Si
893	5X/2Y Ø8/14.4	-559	-115508	SLU 50	15366	38145	50429	2.5	68.21	419	-109197	SLU 46	15029	33497	55356	2.5	79.87	Si
922	5X/2Y Ø8/10	-559	-115338	SLU 50	15366	51792	52691	2.35	92.62	419	-109027	SLU 46	15029	48385	55356	2.5	115.37	Si
951	5X/2Y Ø8/10	-559	-115169	SLU 50	15366	51792	52691	2.35	92.62	419	-108857	SLU 46	15029	48385	55356	2.5	115.37	Si
980	5X/2Y Ø8/10	-559	-114999	SLU 50	15366	51792	52691	2.35	92.62	419	-108688	SLU 46	15029	48385	55356	2.5	115.37	Si
1000	4X/2Y Ø8/10	-429	-89522	SLU 50	15366	44078	50429	2.5	102.83	739	-89522	SLU 50	15029	48385	55356	2.5	65.45	Si
1029	4X/2Y Ø8/10	-429	-89355	SLU 50	15366	44078	50429	2.5	102.83	739	-89355	SLU 50	15029	48385	55356	2.5	65.45	Si
1058	4X/2Y Ø8/10	-429	-89185	SLU 50	15366	44078	50429	2.5	102.83	739	-89185	SLU 50	15029	48385	55356	2.5	65.45	Si
1087	4X/2Y Ø8/14.4	-429	-89016	SLU 50	15366	30516	50429	2.5	71.19	739	-89016	SLU 50	15029	33497	55356	2.5	45.31	Si
1116	4X/2Y Ø8/14.4	-429	-88846	SLU 50	15366	30516	50429	2.5	71.19	739	-88846	SLU 50	15029	33497	55356	2.5	45.31	Si
1145	4X/2Y Ø8/14.4	-429	-88676	SLU 50	15366	30516	50429	2.5	71.19	739	-88676	SLU 50	15029	33497	55356	2.5	45.31	Si
1174	4X/2Y Ø8/14.4	-429	-88507	SLU 50	15366	30516	50429	2.5	71.19	739	-88507	SLU 50	15029	33497	55356	2.5	45.31	Si
1203	4X/2Y Ø8/14.4	-429	-88337	SLU 50	15366	30516	50429	2.5	71.19	739	-88337	SLU 50	15029	33497	55356	2.5	45.31	Si
1232	4X/2Y Ø8/10	-429	-88167	SLU 50	15366	44078	50429	2.5	102.83	739	-88167	SLU 50	15029	48385	55356	2.5	65.45	Si
1261	4X/2Y Ø8/10	-429	-87998	SLU 50	15366	44078	50429	2.5	102.83	739	-87998	SLU 50	15029	48385	55356	2.5	65.45	Si
1290	4X/2Y Ø8/10	-429	-87828	SLU 50	15366	44078	50429	2.5	102.83	739	-87828	SLU 50	15029	48385	55356	2.5	65.45	Si
1310	4X/2Y Ø8/10	-369	-64369	SLU 52	15366	44078	48634	2.5	119.42	786	-64369	SLU 52	15029	48385	53385	2.5	61.59	Si
1339	4X/2Y Ø8/10	-369	-64202	SLU 52	15366	44078	48612	2.5	119.42	786	-64202	SLU 52	15029	48385	53362	2.5	61.59	Si
1368	4X/2Y Ø8/10	-369	-64033	SLU 52	15366	44078	48590	2.5	119.42	786	-64033	SLU 52	15029	48385	53338	2.5	61.59	Si
1397	4X/2Y Ø8/14.4	-369	-63863	SLU 52	15366	30516	48569	2.5	82.68	786	-63863	SLU 52	15029	33497	53314	2.5	42.64	Si
1426	4X/2Y Ø8/14.4	-369	-63693	SLU 52	15366	30516	48547	2.5	82.68	786	-63693	SLU 52	15029	33497	53290	2.5	42.64	Si
1455	4X/2Y Ø8/14.4	-369	-63524	SLU 52	15366	30516	48525	2.5	82.68	786	-63524	SLU 52	15029	33497	53266	2.5	42.64	Si
1484	4X/2Y Ø8/14.4	-369	-63354	SLU 52	15366	30516	48503	2.5	82.68	786	-63354	SLU 52	15029	33497	53242	2.5	42.64	Si
1513	4X/2Y Ø8/14.4	-369	-63184	SLU 52	15366	30516	48481	2.5	82.68	786	-63184	SLU 52	15029	33497	53218	2.5	42.64	Si
1542	4X/2Y Ø8/10	-369	-63015	SLU 52	15366	44078	48459	2.5	119.42	786	-63015	SLU 52	15029	48385	53194	2.5	61.59	Si
1571	4X/2Y Ø8/10	-369	-62845	SLU 52	15366	44078	48437	2.5	119.42	786	-62845	SLU 52	15029	48385	53170	2.5	61.59	Si
1600	4X/2Y Ø8/10	-369	-62678	SLU 52	15366	44078	48416	2.5	119.42	786	-62678	SLU 52	15029	48385	53146	2.5	61.59	Si
1620	4X/2Y Ø8/10	370	-30232	SLU 43	11330	44078	44237	2.5	119.01	523	-36932	SLU 50	11514	48385	49506	2.5	92.55	Si
1649	4X/2Y Ø8/10	370	-30062	SLU 43	11309	44078	44215	2.5	119.01	523	-36762	SLU 50	11491	48385	49482	2.5	92.55	Si
1678	4X/2Y Ø8/10	370	-29893	SLU 43	11288	44078	44193	2.5	119.01	523	-36592	SLU 50	11468	48385	49458	2.5	92.55	Si
1707	4X/2Y Ø8/14.4	370	-29723	SLU 43	11267	30516	44172	2.5	82.39	523	-36423	SLU 50	11445	33497	49434	2.5	64.07	Si
1736	4X/2Y Ø8/14.4	370	-29553	SLU 43	11246	30516	44150	2.5	82.39	523	-36253	SLU 50	11421	33497	49410	2.5	64.07	Si
1765	4X/2Y Ø8/14.4	370	-29384	SLU 43	11225	30516	44128	2.5	82.39	523	-36083	SLU 50	11398	33497	49386	2.5	64.07	Si
1794	4X/2Y Ø8/14.4	370	-29214	SLU 43	11204	30516	44106	2.5	82.39	523	-35914	SLU 50	11375	33497	49362	2.5	64.07	Si
1823	4X/2Y Ø8/14.4	370	-29044	SLU 43	11182	30516	44084	2.5	82.39	523	-35744	SLU 50	11352	33497	49339	2.5	64.07	Si
1852	4X/2Y Ø8/10	370	-28875	SLU 43	11161	43197	44707	2.45	116.63	523	-35574	SLU 50	11329	48385	49315	2.5	92.55	Si
1881	4X/2Y Ø8/10	370	-28705	SLU 43	11140	43197	44685	2.45	116.63	523	-35405	SLU 50	11306	48385	49291	2.5	92.55	Si
1910	4X/2Y Ø8/10	370	-28538	SLU 43	11119	43197	44663	2.45	116.63	523	-35238	SLU 50	11283	48385	49267	2.5	92.55	Si
1930	2X/2Y Ø8/10	-138	-8124	SLU 49	4762	20959	21640	2.4	151.77	-1172	-9389	SLU 51	4952	21598	21694	2.45	18.43	Si
1960	2X/2Y Ø8/10	-138	-8036	SLU 49	4751	20959	21629	2.4	151.77	-1172	-9301	SLU 51	4941	21598	21682	2.45	18.43	Si
1990	2X/2Y Ø8/10	-138	-7949	SLU 49	4741	20959	21617	2.4	151.77	-1172	-9213	SLU 51	4930	21598	21671	2.45	18.43	Si
2020	2X/2Y Ø8/10	-138	-7861	SLU 49	4730	20959	21606	2.4	151.77	-1172	-9125	SLU 51	4919	21598	21659	2.45	18.43	Si
2050	2X/2Y Ø8/10	-138	-7773	SLU 49	4719	20959	21594	2.4	151.77	-1172	-9038	SLU 51	4908	21598	21648	2.45	18.43	Si
2080	2X/2Y Ø8/10	-138	-7685	SLU 49	4708	20959	21583	2.4	151.77	-1172	-8950	SLU 51	4897	21598	21637	2.45	18.43	Si

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
2110	2X/2Y Ø8/10	-138	-7598	SLU 49	4697	20959	21571	2.4	151.77	-1172	-8862	SLU 51	4887	21598	21625	2.45	18.43	Si
2140	2X/2Y Ø8/10	-138	-7510	SLU 49	4686	20959	21560	2.4	151.77	-1172	-8774	SLU 51	4876	21598	21614	2.45	18.43	Si
2170	2X/2Y Ø8/10	-138	-7422	SLU 49	4676	20959	21548	2.4	151.77	-1160	-8643	SLU 52	4859	21158	21915	2.4	18.23	Si
2200	2X/2Y Ø8/10	-141	-8600	SLU 51	4821	20959	21703	2.4	148.83	-1172	-8600	SLU 51	4854	21158	21909	2.4	18.05	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-1263	-112352	SLV 3	15366	51792	52691	2.35	40.99	-3072	-100064	SLV 5	15029	48385	55356	2.5	15.75	Si
-111	5X/2Y Ø8/10	-1263	-112222	SLV 3	15366	51792	52691	2.35	40.99	-3072	-99934	SLV 5	15029	48385	55356	2.5	15.75	Si
-81	5X/2Y Ø8/10	-1263	-112090	SLV 3	15366	51792	52691	2.35	40.99	-3072	-99802	SLV 5	15029	48385	55356	2.5	15.75	Si
-52	5X/2Y Ø8/10	-1263	-111957	SLV 3	15366	51792	52691	2.35	40.99	-3072	-99669	SLV 5	15029	48385	55356	2.5	15.75	Si
-22	5X/2Y Ø8/15	-1263	-111825	SLV 3	15366	36732	50429	2.5	29.07	-3072	-99537	SLV 5	15029	32257	55356	2.5	10.5	Si
7	5X/2Y Ø8/15	-1263	-111692	SLV 3	15366	36732	50429	2.5	29.07	-3072	-99404	SLV 5	15029	32257	55356	2.5	10.5	Si
36	5X/2Y Ø8/15	-1263	-111560	SLV 3	15366	36732	50429	2.5	29.07	-3072	-99272	SLV 5	15029	32257	55356	2.5	10.5	Si
66	5X/2Y Ø8/15	-1263	-111428	SLV 3	15366	36732	50429	2.5	29.07	-3072	-99140	SLV 5	15029	32257	55356	2.5	10.5	Si
95	5X/2Y Ø8/15	-1263	-111295	SLV 3	15366	36732	50429	2.5	29.07	-3072	-99007	SLV 5	15029	32257	55356	2.5	10.5	Si
125	5X/2Y Ø8/15	-1263	-111162	SLV 3	15366	36732	50429	2.5	29.07	-3072	-98874	SLV 5	15029	32257	55356	2.5	10.5	Si
154	5X/2Y Ø8/15	-1263	-111031	SLV 3	15366	36732	50429	2.5	29.07	-3072	-98743	SLV 5	15029	32257	55356	2.5	10.5	Si
184	5X/2Y Ø8/15	-1263	-110898	SLV 3	15366	36732	50429	2.5	29.07	-3072	-98610	SLV 5	15029	32257	55356	2.5	10.5	Si
213	5X/2Y Ø8/15	-1263	-110768	SLV 3	15366	36732	50429	2.5	29.07	-3072	-98480	SLV 5	15029	32257	55356	2.5	10.5	Si
242	5X/2Y Ø8/10	-1263	-110634	SLV 3	15366	51792	52691	2.35	40.99	-3072	-98346	SLV 5	15029	48385	55356	2.5	15.75	Si
272	5X/2Y Ø8/10	-1263	-110501	SLV 3	15366	51792	52691	2.35	40.99	-3072	-98213	SLV 5	15029	48385	55356	2.5	15.75	Si
301	5X/2Y Ø8/10	-1263	-110369	SLV 3	15366	51792	52691	2.35	40.99	-3072	-98081	SLV 5	15029	48385	55356	2.5	15.75	Si
331	5X/2Y Ø8/10	-1263	-110237	SLV 3	15366	51792	52691	2.35	40.99	-3072	-97949	SLV 5	15029	48385	55356	2.5	15.75	Si
360	5X/2Y Ø8/10	-1263	-110107	SLV 3	15366	51792	52691	2.35	40.99	-3072	-97819	SLV 5	15029	48385	55356	2.5	15.75	Si
380	5X/2Y Ø8/10	-2374	-93106	SLV 3	15366	51792	52691	2.35	21.81	2823	-87964	SLV 11	15029	48385	55356	2.5	17.14	Si
409	5X/2Y Ø8/10	-2374	-92975	SLV 3	15366	51792	52691	2.35	21.81	2823	-87834	SLV 11	15029	48385	55356	2.5	17.14	Si
438	5X/2Y Ø8/10	-2374	-92845	SLV 3	15366	51792	52691	2.35	21.81	2823	-87703	SLV 11	15029	48385	55356	2.5	17.14	Si
467	5X/2Y Ø8/14.4	-2374	-92714	SLV 3	15366	38145	50429	2.5	16.07	2823	-87573	SLV 11	15029	33497	55356	2.5	11.87	Si
496	5X/2Y Ø8/14.4	-2374	-92584	SLV 3	15366	38145	50429	2.5	16.07	2823	-87442	SLV 11	15029	33497	55356	2.5	11.87	Si
525	5X/2Y Ø8/14.4	-2374	-92453	SLV 3	15366	38145	50429	2.5	16.07	2823	-87312	SLV 11	15029	33497	55356	2.5	11.87	Si
554	5X/2Y Ø8/14.4	-2374	-92323	SLV 3	15366	38145	50429	2.5	16.07	2823	-87181	SLV 11	15029	33497	55356	2.5	11.87	Si
583	5X/2Y Ø8/14.4	-2374	-92192	SLV 3	15366	38145	50429	2.5	16.07	2823	-87051	SLV 11	15029	33497	55356	2.5	11.87	Si
612	5X/2Y Ø8/10	-2374	-92062	SLV 3	15366	51792	52691	2.35	21.81	2823	-86920	SLV 11	15029	48385	55356	2.5	17.14	Si
641	5X/2Y Ø8/10	-2374	-91931	SLV 3	15366	51792	52691	2.35	21.81	2823	-86790	SLV 11	15029	48385	55356	2.5	17.14	Si
670	5X/2Y Ø8/10	-2374	-91803	SLV 3	15366	51792	52691	2.35	21.81	2823	-86661	SLV 11	15029	48385	55356	2.5	17.14	Si
690	5X/2Y Ø8/10	-2160	-75441	SLV 3	15366	51792	52305	2.35	23.98	2963	-71518	SLV 11	15029	48385	54396	2.5	16.33	Si
719	5X/2Y Ø8/10	-2160	-75310	SLV 3	15366	51792	52287	2.35	23.98	2963	-71387	SLV 11	15029	48385	54378	2.5	16.33	Si
748	5X/2Y Ø8/10	-2160	-75180	SLV 3	15366	51792	52269	2.35	23.98	2963	-71257	SLV 11	15029	48385	54359	2.5	16.33	Si
777	5X/2Y Ø8/14.4	-2160	-75049	SLV 3	15366	38145	50009	2.5	17.66	2963	-71126	SLV 11	15029	33497	54341	2.5	11.3	Si
806	5X/2Y Ø8/14.4	-2160	-74919	SLV 3	15366	38145	49992	2.5	17.66	2963	-70996	SLV 11	15029	33497	54322	2.5	11.3	Si
835	5X/2Y Ø8/14.4	-2160	-74788	SLV 3	15366	38145	49976	2.5	17.66	2963	-70865	SLV 11	15029	33497	54304	2.5	11.3	Si
864	5X/2Y Ø8/14.4	-2160	-74658	SLV 3	15366	38145	49959	2.5	17.66	2963	-70735	SLV 11	15029	33497	54285	2.5	11.3	Si
893	5X/2Y Ø8/14.4	-2160	-74527	SLV 3	15366	38145	49942	2.5	17.66	2963	-70604	SLV 11	15029	33497	54267	2.5	11.3	Si
922	5X/2Y Ø8/10	-2160	-74397	SLV 3	15366	51792	52164	2.35	23.98	2963	-70474	SLV 11	15029	48385	54249	2.5	16.33	Si
951	5X/2Y Ø8/10	-2160	-74266	SLV 3	15366	51792	52147	2.35	23.98	2963	-70343	SLV 11	15029	48385	54230	2.5	16.33	Si
980	5X/2Y Ø8/10	-2160	-74136	SLV 3	15366	51792	52129	2.35	23.98	2963	-70213	SLV 11	15029	48385	54212	2.5	16.33	Si
1000	4X/2Y Ø8/10	-2001	-56147	SLV 3	14557	44078	47575	2.5	22.03	2945	-51180	SLV 11	13461	48385	51521	2.5	16.43	Si
1029	4X/2Y Ø8/10	-2001	-56019	SLV 3	14541	44078	47558	2.5	22.03	2945	-51051	SLV 11	13444	48385	51503	2.5	16.43	Si
1058	4X/2Y Ø8/10	-2001	-55888	SLV 3	14525	44078	47541	2.5	22.03	2945	-50921	SLV 11	13426	48385	51484	2.5	16.43	Si
1087	4X/2Y Ø8/14.4	-2001	-55758	SLV 3	14508	30516	47525	2.5	15.25	2945	-50790	SLV 11	13408	33497	51466	2.5	11.38	Si
1116	4X/2Y Ø8/14.4	-2001	-55627	SLV 3	14492	30516	47508	2.5	15.25	2945	-50660	SLV 11	13390	33497	51447	2.5	11.38	Si
1145	4X/2Y Ø8/14.4	-2001	-55497	SLV 3	14476	30516	47491	2.5	15.25	2945	-50529	SLV 11	13373	33497	51429	2.5	11.38	Si
1174	4X/2Y Ø8/14.4	-2001	-55366	SLV 3	14460	30516	47474	2.5	15.25	2945	-50399	SLV 11	13355	33497	51410	2.5	11.38	Si
1203	4X/2Y Ø8/14.4	-2001	-55236	SLV 3	14443	30516	47457	2.5	15.25	2945	-50268	SLV 11	13337	33497	51392	2.5	11.38	Si
1232	4X/2Y Ø8/10	-2001	-55105	SLV 3	14427	44078	47441	2.5	22.03	2945	-50138	SLV 11	13319	48385	51373	2.5	16.43	Si
1261	4X/2Y Ø8/10	-2001	-54975	SLV 3	14411	44078	47424	2.5	22.03	2945	-50007	SLV 11	13301	48385	51355	2.5	16.43	Si
1290	4X/2Y Ø8/10	-2001	-54844	SLV 3	14395	44078	47407	2.5	22.03	2945	-49877	SLV 11	13283	48385	51337	2.5	16.43	Si
1310	4X/2Y Ø8/10	-1888	-38689	SLV 3	12383	44078	45326	2.5	23.34	2839	-35228	SLV 11	11281	48385	49266	2.5	17.04	Si
1339	4X/2Y Ø8/10	-1888	-38561	SLV 3	12367	44078	45310	2.5	23.34	2839	-35099	SLV 11	11264	48385	49247	2.5	17.04	Si
1368	4X/2Y Ø8/10	-1888	-38431	SLV 3	12351	44078	45293	2.5	23.34	2839	-34969	SLV 11	11246	48385	49229	2.5	17.04	Si
1397	4X/2Y Ø8/14.4	-1888	-38300	SLV 3	12335	30516	45276	2.5	16.16	2839	-34838	SLV 11	11228	33497	49210	2.5	11.8	Si
1426	4X/2Y Ø8/14.4	-1888	-38170	SLV 3	12319	30516	45259	2.5	16.16	2839	-34708	SLV 11	11210	33497	49192	2.5	11.8	Si
1455	4X/2Y Ø8/14.4	-1888	-38039	SLV 3	12302	30516	45243	2.5	16.16	2839	-34577	SLV 11	11192	33497	49174	2.5	11.8	Si
1484	4X/2Y Ø8/14.4	-1888	-37909	SLV 3	12286	30516	45226	2.5	16.16	2839	-34447	SLV 11	11175	33497	49155	2.5	11.8	Si
1513	4X/2Y Ø8/14.4	-1888	-37778	SLV 3	12270	30516	45209	2.5	16.16	2839	-34316	SLV 11	11157	33497	49137	2.5	11.8	Si
1542	4X/2Y Ø8/10	-1888	-37648	SLV 3	12254	44078	45192	2.5	23.34	2839	-34186	SLV 11	11139	48385	49118	2.5	17.04	Si
1571	4X/2Y Ø8/10	-1888	-37517	SLV 3	12237	44078	45175	2.5	23.34	2839	-34055	SLV 11	11121	48385	49100	2.5	17.04	Si
1600	4X/2Y Ø8/10	-1888	-37389	SLV 3	12221	44078	45159	2.5	23.34	2839	-33927	SLV 11	11104	48385	49082	2.5	17.04	Si
1620	4X/2Y Ø8/10	1921	-23936	SLV 13	10546	43197	44062	2.45	22.48	2363	-19516	SLV 11	9134	47417	47733	2.45	20.06	Si
1649	4X/2Y Ø8/10	1921	-23805	SLV 13	10530	43197	44045	2.45	22.48	2363	-19386	SLV 11	9116	47417	47714	2.45	20.06	Si
1678	4X/2Y Ø8/10	1921	-23675	SLV 13	10514	43197	44028	2.45	22.48	2363	-19255	SLV 11	9098	47417	47695	2.45	20.06	Si
1707	4X/2Y Ø8/14.4	1921	-23544	SLV 13	10498	30516	43376	2.5	15.88	2363	-19125	SLV 11	9081	33497	46989	2.5	14.17	Si
1736	4X/2Y Ø8/14.4	1921	-23414	SLV 13	10481	30516	43359	2.5	15.88	2363	-18994	SLV 11	9063	33497	46970	2.5	14.17	Si
1765	4X/2Y Ø8/14.4	1921	-23283	SLV 13	10465	30516	43342	2.5	15.88	2363	-18864	SLV 11	9045	33497	46952	2.5	14.17	Si
1794	4X/2Y Ø8/14.4	1921	-23153	SLV 13	10449	30516	43325	2.5	15.88	2363	-18733	SLV 11	9027	33497	46934	2.5	14.17	Si
1823	4X/2Y Ø8/14.4	1921	-23022	SLV 13	10433	30516	43309	2.5	15.88	2363	-18603	SLV 11	9009	33497	46915	2.5	14.17	Si
1852	4X/2Y Ø8/10	1921	-22892	SLV 13	10416	43197	43925	2.45	22.48	2363	-18472	SLV 11	8991	47417	47583	2.45	20.06	Si
1881	4X/2Y Ø8/10	1921	-22761	SLV 13	10400	43197	43908	2.45	22.48	2363	-18342	SLV 11	8974	47417	47564	2.45	20.06	Si
1910	4X/2Y Ø8/10	1921	-22633	SLV 13	10384	43197	43892	2.45	22.48	2363	-18214	SLV 11	8956	47417	47546	2.45	20.06	Si
1930	2X/2Y Ø8/10	-1562	-8752	SLV 5	4840	21395	21407	2.45	13.69	-1809	-4834	SLV 13	4385	21158	21409	2.4	11.7	Si
1960	2X/2Y Ø8/10	-1562	-8684	SLV 5	4831	21395	21399	2.45	13.69	-1809	-4766	SLV 13	4377	21158	21401	2.4	11.7	Si
1990	2X/2Y Ø8/10	-1562	-8617	SLV 5	4823	20959	21705	2.4	13.41	-1809	-4699	SLV 13	4368	21158	21392	2.4	11.7	Si
2020	2X/2Y Ø8/10	-1562	-8549	SLV 5	4815	20959	21696	2.4	13.41	-1809	-4631	SLV 13	4360	21158	21383	2.4	11.7	Si
2050	2X/2Y Ø8/10	-1562	-8482	SLV 5	4806	20959	21687	2.4	13.41	-1809	-4564	SLV 13	4351	21158	21374	2.4	11.7	Si
2080	2X/2Y Ø8/10	-1562	-8414	SLV 5	4798	20959	21678	2.4	13.41	-1809	-4496	SLV 13	4343	21158	21365	2.4	11.7	Si
2110	2X/2Y Ø8/10	-1562	-8347	SLV 5	4790	20959	21669	2.4	13.41	-1809	-4429	SLV 13	4335	21158	21356	2.4	11.7	Si
2140	2X/2Y Ø8/10	-1562	-8279	SLV 5	4781	20959	21661	2.4	13.41	-1809	-4361	SLV 13	4326	21158	21347	2.4	11.7	Si
2170	2X/2Y Ø8/10	-1562	-8212	SLV 5	4773	20959	21652	2.4	13.41	-1809	-4294	SLV 13	4318	21158	21338	2.4	11.7	Si
2200	2X/2Y Ø8/10	-1562	-8145	SLV 5	4765	20959	21643	2.4	13.41	-1809	-4228	SLV 13	4310	21158	21329	2.4	11.7	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-562	-106841	SLD 3	19266	55098	50429	2.5	89.8	-1412	-101948	SLD 5	19310	48385	55356	2.5	34.27	Si
-111	5X/2Y Ø8/10	-562	-106711	SLD 3	19266	55098	50429	2.5	89.8	-1412	-101818	SLD 5	19310	48385	55356	2.5	34.27	Si
-81	5X/2Y Ø8/10	-562	-106578	SLD 3	19266	55098	50429	2.5	89.8	-1412	-101686	SLD 5	19310	48385	55356	2.5	34.27	Si
-52	5X/2Y Ø8/10	-562	-106446	SLD 3	19266	55098	50429	2.5	89.8	-1412	-101553	SLD 5	19310	48385	55356	2.5	34.27	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-22	5X/2Y Ø8/15	-562	-106313	SLD 3	19266	36732	50429	2.5	65.41	-1412	-101421	SLD 5	19310	32257	55356	2.5	22.85	Si
7	5X/2Y Ø8/15	-562	-106181	SLD 3	19266	36732	50429	2.5	65.41	-1412	-101289	SLD 5	19310	32257	55356	2.5	22.85	Si
36	5X/2Y Ø8/15	-562	-106049	SLD 3	19266	36732	50429	2.5	65.41	-1412	-101156	SLD 5	19310	32257	55356	2.5	22.85	Si
66	5X/2Y Ø8/15	-562	-105916	SLD 3	19266	36732	50429	2.5	65.41	-1412	-101024	SLD 5	19310	32257	55356	2.5	22.85	Si
95	5X/2Y Ø8/15	-562	-105784	SLD 3	19266	36732	50429	2.5	65.41	-1412	-100892	SLD 5	19310	32257	55356	2.5	22.85	Si
125	5X/2Y Ø8/15	-562	-105650	SLD 3	19266	36732	50429	2.5	65.41	-1412	-100758	SLD 5	19310	32257	55356	2.5	22.85	Si
154	5X/2Y Ø8/15	-562	-105519	SLD 3	19266	36732	50429	2.5	65.41	-1412	-100627	SLD 5	19310	32257	55356	2.5	22.85	Si
184	5X/2Y Ø8/15	-562	-105387	SLD 3	19266	36732	50429	2.5	65.41	-1412	-100494	SLD 5	19310	32257	55356	2.5	22.85	Si
213	5X/2Y Ø8/15	-562	-105257	SLD 3	19266	36732	50429	2.5	65.41	-1412	-100364	SLD 5	19310	32257	55356	2.5	22.85	Si
242	5X/2Y Ø8/10	-562	-105122	SLD 3	19266	55098	50429	2.5	89.8	-1412	-100230	SLD 5	19310	48385	55356	2.5	34.27	Si
272	5X/2Y Ø8/10	-562	-104990	SLD 3	19266	55098	50429	2.5	89.8	-1412	-100097	SLD 5	19310	48385	55356	2.5	34.27	Si
301	5X/2Y Ø8/10	-562	-104858	SLD 3	19266	55098	50429	2.5	89.8	-1412	-99965	SLD 5	19310	48385	55356	2.5	34.27	Si
331	5X/2Y Ø8/10	-562	-104725	SLD 3	19266	55098	50429	2.5	89.8	-1412	-99833	SLD 5	19310	48385	55356	2.5	34.27	Si
360	5X/2Y Ø8/10	-562	-104595	SLD 3	19266	55098	50429	2.5	89.8	-1412	-99703	SLD 5	19310	48385	55356	2.5	34.27	Si
380	5X/2Y Ø8/10	-1098	-88829	SLD 3	18626	55098	50429	2.5	45.91	1300	-86792	SLD 11	18328	48385	55356	2.5	37.21	Si
409	5X/2Y Ø8/10	-1098	-88698	SLD 3	18609	55098	50429	2.5	45.91	1300	-86661	SLD 11	18310	48385	55356	2.5	37.21	Si
438	5X/2Y Ø8/10	-1098	-88568	SLD 3	18593	55098	50429	2.5	45.91	1300	-86531	SLD 11	18293	48385	55356	2.5	37.21	Si
467	5X/2Y Ø8/14.4	-1098	-88437	SLD 3	18577	38145	50429	2.5	34.73	1300	-86400	SLD 11	18275	33497	55356	2.5	25.76	Si
496	5X/2Y Ø8/14.4	-1098	-88307	SLD 3	18561	38145	50429	2.5	34.73	1300	-86270	SLD 11	18257	33497	55356	2.5	25.76	Si
525	5X/2Y Ø8/14.4	-1098	-88176	SLD 3	18544	38145	50429	2.5	34.73	1300	-86139	SLD 11	18239	33497	55356	2.5	25.76	Si
554	5X/2Y Ø8/14.4	-1098	-88046	SLD 3	18528	38145	50429	2.5	34.73	1300	-86009	SLD 11	18221	33497	55356	2.5	25.76	Si
583	5X/2Y Ø8/14.4	-1098	-87915	SLD 3	18512	38145	50429	2.5	34.73	1300	-85878	SLD 11	18203	33497	55356	2.5	25.76	Si
612	5X/2Y Ø8/10	-1098	-87785	SLD 3	18496	55098	50429	2.5	45.91	1300	-85748	SLD 11	18186	48385	55356	2.5	37.21	Si
641	5X/2Y Ø8/10	-1098	-87654	SLD 3	18479	55098	50429	2.5	45.91	1300	-85617	SLD 11	18168	48385	55356	2.5	37.21	Si
670	5X/2Y Ø8/10	-1098	-87526	SLD 3	18463	55098	50429	2.5	45.91	1300	-85489	SLD 11	18150	48385	55356	2.5	37.21	Si
690	5X/2Y Ø8/10	-1008	-72406	SLD 3	16581	55098	49669	2.5	49.29	1279	-70824	SLD 11	16146	48385	54298	2.5	37.85	Si
719	5X/2Y Ø8/10	-1008	-72276	SLD 3	16565	55098	49652	2.5	49.27	1279	-70694	SLD 11	16128	48385	54280	2.5	37.85	Si
748	5X/2Y Ø8/10	-1008	-72145	SLD 3	16549	55098	49635	2.5	49.26	1279	-70563	SLD 11	16110	48385	54261	2.5	37.85	Si
777	5X/2Y Ø8/14.4	-1008	-72015	SLD 3	16532	38145	49618	2.5	37.85	1279	-70433	SLD 11	16093	33497	54243	2.5	26.2	Si
806	5X/2Y Ø8/14.4	-1008	-71884	SLD 3	16516	38145	49602	2.5	37.85	1279	-70302	SLD 11	16075	33497	54224	2.5	26.2	Si
835	5X/2Y Ø8/14.4	-1008	-71754	SLD 3	16500	38145	49585	2.5	37.85	1279	-70172	SLD 11	16057	33497	54206	2.5	26.2	Si
864	5X/2Y Ø8/14.4	-1008	-71623	SLD 3	16484	38145	49568	2.5	37.85	1279	-70041	SLD 11	16039	33497	54187	2.5	26.2	Si
893	5X/2Y Ø8/14.4	-1008	-71493	SLD 3	16467	38145	49551	2.5	37.85	1279	-69911	SLD 11	16021	33497	54169	2.5	26.2	Si
922	5X/2Y Ø8/10	-1008	-71362	SLD 3	16451	55098	49534	2.5	49.16	1279	-69780	SLD 11	16003	48385	54150	2.5	37.85	Si
951	5X/2Y Ø8/10	-1008	-71232	SLD 3	16435	55098	49518	2.5	49.14	1279	-69650	SLD 11	15986	48385	54132	2.5	37.85	Si
980	5X/2Y Ø8/10	-1008	-71101	SLD 3	16419	55098	49501	2.5	49.12	1279	-69519	SLD 11	15968	48385	54114	2.5	37.85	Si
1000	4X/2Y Ø8/10	-896	-54783	SLD 3	14387	44078	47399	2.5	49.17	1397	-52668	SLD 11	13665	48385	51731	2.5	34.63	Si
1029	4X/2Y Ø8/10	-896	-54654	SLD 3	14371	44078	47383	2.5	49.17	1397	-52540	SLD 11	13647	48385	51713	2.5	34.63	Si
1058	4X/2Y Ø8/10	-896	-54524	SLD 3	14355	44078	47366	2.5	49.17	1397	-52409	SLD 11	13629	48385	51695	2.5	34.63	Si
1087	4X/2Y Ø8/14.4	-896	-54393	SLD 3	14338	30516	47349	2.5	34.04	1397	-52279	SLD 11	13612	33497	51676	2.5	23.98	Si
1116	4X/2Y Ø8/14.4	-896	-54263	SLD 3	14322	30516	47332	2.5	34.04	1397	-52148	SLD 11	13594	33497	51658	2.5	23.98	Si
1145	4X/2Y Ø8/14.4	-896	-54132	SLD 3	14306	30516	47315	2.5	34.04	1397	-52018	SLD 11	13576	33497	51639	2.5	23.98	Si
1174	4X/2Y Ø8/14.4	-896	-54002	SLD 3	14290	30516	47298	2.5	34.04	1397	-51887	SLD 11	13558	33497	51621	2.5	23.98	Si
1203	4X/2Y Ø8/14.4	-896	-53871	SLD 3	14273	30516	47282	2.5	34.04	1397	-51757	SLD 11	13540	33497	51602	2.5	23.98	Si
1232	4X/2Y Ø8/10	-896	-53741	SLD 3	14257	44078	47265	2.5	49.17	1397	-51626	SLD 11	13522	48385	51584	2.5	34.63	Si
1261	4X/2Y Ø8/10	-896	-53610	SLD 3	14241	44078	47248	2.5	49.17	1397	-51496	SLD 11	13505	48385	51565	2.5	34.63	Si
1290	4X/2Y Ø8/10	-896	-53480	SLD 3	14225	44078	47231	2.5	49.17	1397	-51365	SLD 11	13487	48385	51547	2.5	34.63	Si
1310	4X/2Y Ø8/10	-844	-38093	SLD 3	12309	44078	45249	2.5	52.24	1397	-36611	SLD 11	11470	48385	49461	2.5	34.63	Si
1339	4X/2Y Ø8/10	-844	-37964	SLD 3	12293	44078	45233	2.5	52.24	1397	-36483	SLD 11	11453	48385	49443	2.5	34.63	Si
1368	4X/2Y Ø8/10	-844	-37834	SLD 3	12277	44078	45216	2.5	52.24	1397	-36353	SLD 11	11435	48385	49425	2.5	34.63	Si
1397	4X/2Y Ø8/14.4	-844	-37703	SLD 3	12261	30516	45199	2.5	36.17	1397	-36222	SLD 11	11417	33497	49406	2.5	23.97	Si
1426	4X/2Y Ø8/14.4	-844	-37573	SLD 3	12244	30516	45183	2.5	36.17	1397	-36092	SLD 11	11399	33497	49388	2.5	23.97	Si
1455	4X/2Y Ø8/14.4	-844	-37442	SLD 3	12228	30516	45166	2.5	36.17	1397	-35961	SLD 11	11382	33497	49369	2.5	23.97	Si
1484	4X/2Y Ø8/14.4	-844	-37312	SLD 3	12212	30516	45149	2.5	36.17	1397	-35831	SLD 11	11364	33497	49351	2.5	23.97	Si
1513	4X/2Y Ø8/14.4	-844	-37181	SLD 3	12196	30516	45132	2.5	36.17	1397	-35700	SLD 11	11346	33497	49332	2.5	23.97	Si
1542	4X/2Y Ø8/10	-844	-37051	SLD 3	12179	44078	45115	2.5	52.24	1397	-35570	SLD 11	11328	48385	49314	2.5	34.63	Si
1571	4X/2Y Ø8/10	-844	-36920	SLD 3	12163	44078	45099	2.5	52.24	1397	-35439	SLD 11	11310	48385	49295	2.5	34.63	Si
1600	4X/2Y Ø8/10	-844	-36792	SLD 3	12147	44078	45082	2.5	52.24	1397	-35311	SLD 11	11293	48385	49277	2.5	34.63	Si
1620	4X/2Y Ø8/10	902	-22687	SLD 13	10391	44078	43265	2.5	47.99	1106	-20880	SLD 11	9321	48385	47237	2.5	42.71	Si
1649	4X/2Y Ø8/10	902	-22557	SLD 13	10375	44078	43249	2.5	47.97	1106	-20749	SLD 11	9303	48385	47219	2.5	42.69	Si
1678	4X/2Y Ø8/10	902	-22426	SLD 13	10359	44078	43232	2.5	47.95	1106	-20619	SLD 11	9285	48385	47200	2.5	42.68	Si
1707	4X/2Y Ø8/14.4	902	-22296	SLD 13	10342	30516	43215	2.5	33.85	1106	-20488	SLD 11	9267	33497	47182	2.5	30.29	Si
1736	4X/2Y Ø8/14.4	902	-22165	SLD 13	10326	30516	43198	2.5	33.85	1106	-20358	SLD 11	9249	33497	47163	2.5	30.29	Si
1765	4X/2Y Ø8/14.4	902	-22035	SLD 13	10310	30516	43181	2.5	33.85	1106	-20227	SLD 11	9231	33497	47145	2.5	30.29	Si
1794	4X/2Y Ø8/14.4	902	-21904	SLD 13	10294	30516	43165	2.5	33.85	1106	-20097	SLD 11	9214	33497	47126	2.5	30.29	Si
1823	4X/2Y Ø8/14.4	902	-21774	SLD 13	10277	30516	43148	2.5	33.85	1106	-19966	SLD 11	9196	33497	47108	2.5	30.29	Si
1852	4X/2Y Ø8/10	902	-21643	SLD 13	10261	44078	43131	2.5	47.84	1106	-19836	SLD 11	9178	48385	47089	2.5	42.58	Si
1881	4X/2Y Ø8/10	902	-21513	SLD 13	10245	44078	43114	2.5	47.82	1106	-19705	SLD 11	9160	48385	47071	2.5	42.56	Si
1910	4X/2Y Ø8/10	902	-21385	SLD 13	10229	44078	43098	2.5	47.8	1106	-19577	SLD 11	9142	48385	47053	2.5	42.54	Si
1930	2X/2Y Ø8/10	-686	-6775	SLD 5	4596	21832	20846	2.5	30.37	-1215	-5187	SLD 13	4429	22039	20840	2.5	17.15	Si
1960	2X/2Y Ø8/10	-686	-6707	SLD 5	4587	21832	20838	2.5	30.35	-1215	-5119	SLD 13	4421	22039	20831	2.5	17.15	Si
1990	2X/2Y Ø8/10	-686	-6640	SLD 5	4579	21832	20829	2.5	30.34	-1215	-5052	SLD 13	4412	22039	20822	2.5	17.14	Si
2020	2X/2Y Ø8/10	-686	-6572	SLD 5	4571	21832	20820	2.5	30.33	-1215	-4984	SLD 13	4404	22039	20814	2.5	17.13	Si
2050	2X/2Y Ø8/10	-686	-6505	SLD 5	4562	21832	20812	2.5	30.32	-1215	-4917	SLD 13	4395	22039	20805	2.5	17.12	Si
2080	2X/2Y Ø8/10	-686	-6437	SLD 5	4554	21832	20803	2.5	30.3	-1215	-4849	SLD 13	4387	22039	20796	2.5	17.12	Si
2110	2X/2Y Ø8/10	-686	-6370	SLD 5	4546	21832	20795	2.5	30.29	-1215	-4782	SLD 13	4379	22039	20788	2.5	17.11	Si
2140	2X/2Y Ø8/10	-686	-6302	SLD 5	4537	21832	20786	2.5	30.28	-1215	-4714	SLD 13	4370	22039	20779	2.5	17.1	Si
2170	2X/2Y Ø8/10	-686	-6235	SLD 5	4529	21832	20777	2.5	30.27	-1215	-4647	SLD 13	4362	22039	20770	2.5	17.1	Si
2200	2X/2Y Ø8/10	-686	-6168	SLD 5	4521	21832	20769	2.5	30.25	-1215	-4580	SLD 13	4353	22039	20762	2.5	17.09	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	208063	71701	-121515	SLE RA 13	-74.2	208063	71701	-121515	SLE RA 13	-1052.2	Si
-111	192981	63990	-121385	SLE RA 13	-72.8	192981	63990	-121385	SLE RA 13	-1035.7	Si
-81	177638	56147	-121252	SLE RA 13	-71.2	177638	56147	-121252	SLE RA 13	-1018.8	Si
-52	162295	48303	-121120	SLE RA 13	-69.7	162295	48303	-121120	SLE RA 13	-1002	Si
-22	146952	40459	-120987	SLE RA 13	-68.2	146952	40459	-120987	SLE RA 13	-985.2	Si
7	131609	32615	-120855	SLE RA 13	-66.7	131609	32615	-120855	SLE RA 13	-968.3	Si
36	116266	24772	-120723	SLE RA 13	-65.2	116266	24772	-120723	SLE RA 13	-951.5	Si
66	100923	16928	-120590	SLE RA 13	-63.7	100923	16928	-120590	SLE RA 13	-934.6	Si
95	85580	9084	-120458	SLE RA 13	-62.2	85580	9084	-120458	SLE RA 13	-917.8	Si
125	70084	1162	-120324	SLE RA 13	-60.7	70084	1162	-120324	SLE RA 13	-900.8	Si
154	54894	-6603	-120193	SLE RA 13	-60.4	54894	-6603	-120193	SLE RA 13	-895.8	Si
184	39551	-14447	-120061	SLE RA 13	-60.3	39551	-14447	-120061	SLE RA 13	-892.8	Si
213	24438	-22173	-119931	SLE RA 13	-60.3	24438	-22173	-119931	SLE RA 13	-889.9	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
242	8865	-30135	-119796	SLE RA 13	-60.2	8865	-30135	-119796	SLE RA 13	-886.9	Si
272	-6478	-37978	-119664	SLE RA 13	-60.7	-6478	-37978	-119664	SLE RA 13	-891.5	Si
301	-21821	-45822	-119532	SLE RA 13	-62.1	-21821	-45822	-119532	SLE RA 13	-906.4	Si
331	-37164	-53666	-119399	SLE RA 13	-63.5	-37164	-53666	-119399	SLE RA 13	-921.4	Si
360	-52246	-61376	-119269	SLE RA 13	-64.8	-52246	-61376	-119269	SLE RA 13	-936.1	Si
380	-60142	61079	-101412	SLE RA 12	-56.7	-77037	48354	-101787	SLE RA 13	-814.3	Si
409	-49553	49183	-101282	SLE RA 12	-55	-65403	37692	-101656	SLE RA 13	-797.1	Si
438	-38964	37287	-101151	SLE RA 12	-53.4	-53769	27030	-101526	SLE RA 13	-779.9	Si
467	-42135	16367	-101395	SLE RA 13	-51.7	-42135	16367	-101395	SLE RA 13	-762.8	Si
496	-30501	5705	-101265	SLE RA 13	-50.2	-30501	5705	-101265	SLE RA 13	-745.6	Si
525	-18866	-4957	-101134	SLE RA 13	-49.5	-18866	-4957	-101134	SLE RA 13	-737.2	Si
554	-7232	-15620	-101004	SLE RA 13	-49.8	-7232	-15620	-101004	SLE RA 13	-738.9	Si
583	4402	-26282	-100873	SLE RA 13	-50.6	4402	-26282	-100873	SLE RA 13	-745.8	Si
612	16036	-36944	-100743	SLE RA 13	-52.1	16036	-36944	-100743	SLE RA 13	-761.1	Si
641	35158	-45986	-100238	SLE RA 12	-53.6	35158	-45986	-100238	SLE RA 12	-776.6	Si
670	45565	-57677	-100110	SLE RA 12	-55.1	45565	-57677	-100110	SLE RA 12	-792.1	Si
690	-20829	57713	-83605	SLE RA 13	-46	-20829	57713	-83605	SLE RA 13	-659.9	Si
719	-13004	46357	-83475	SLE RA 13	-44.6	-13004	46357	-83475	SLE RA 13	-644.4	Si
748	-5179	35001	-83344	SLE RA 13	-43.1	-5179	35001	-83344	SLE RA 13	-628.8	Si
777	7996	23624	-82951	SLE RA 12	-42	7996	23624	-82951	SLE RA 12	-617.6	Si
806	14620	12329	-82820	SLE RA 12	-41.2	14620	12329	-82820	SLE RA 12	-610.6	Si
835	21244	1034	-82690	SLE RA 12	-40.4	18297	933	-82953	SLE RA 13	-603.6	Si
864	26122	-10423	-82822	SLE RA 13	-41.6	26122	-10423	-82822	SLE RA 13	-615.6	Si
893	33947	-21779	-82692	SLE RA 13	-42.9	33947	-21779	-82692	SLE RA 13	-629.3	Si
922	41772	-33135	-82561	SLE RA 13	-44.3	41772	-33135	-82561	SLE RA 13	-643	Si
951	49597	-44491	-82431	SLE RA 13	-45.6	49597	-44491	-82431	SLE RA 13	-656.7	Si
980	57422	-55847	-82300	SLE RA 13	-47	57422	-55847	-82300	SLE RA 13	-670.3	Si
1000	-69123	44568	-64475	SLE RA 13	-38	-69123	44568	-64475	SLE RA 13	-540	Si
1029	-54593	36103	-64347	SLE RA 13	-36.5	-54593	36103	-64347	SLE RA 13	-523.1	Si
1058	-39808	27489	-64216	SLE RA 13	-35	-39808	27489	-64216	SLE RA 13	-505.9	Si
1087	-25023	18875	-64086	SLE RA 13	-33.4	-25023	18875	-64086	SLE RA 13	-488.7	Si
1116	-10238	10261	-63955	SLE RA 13	-31.9	-10238	10261	-63955	SLE RA 13	-471.5	Si
1145	4547	1647	-63825	SLE RA 13	-30.7	4547	1647	-63825	SLE RA 13	-459.7	Si
1174	19332	-6966	-63694	SLE RA 13	-31.9	19332	-6966	-63694	SLE RA 13	-472.1	Si
1203	34116	-15580	-63564	SLE RA 13	-33.3	34116	-15580	-63564	SLE RA 13	-487.4	Si
1232	48901	-24194	-63433	SLE RA 13	-34.7	48901	-24194	-63433	SLE RA 13	-502.7	Si
1261	63686	-32808	-63303	SLE RA 13	-36.1	63686	-32808	-63303	SLE RA 13	-518	Si
1290	78471	-41421	-63172	SLE RA 13	-37.6	78471	-41421	-63172	SLE RA 13	-533.3	Si
1310	-65914	32126	-45754	SLE RA 13	-27.8	-65914	32126	-45754	SLE RA 13	-393.5	Si
1339	-50458	24829	-45626	SLE RA 13	-26.4	-50458	24829	-45626	SLE RA 13	-377.1	Si
1368	-34731	17405	-45496	SLE RA 13	-24.9	-34731	17405	-45496	SLE RA 13	-360.4	Si
1397	-19004	9980	-45365	SLE RA 13	-23.4	-19004	9980	-45365	SLE RA 13	-343.7	Si
1426	-3277	2556	-45235	SLE RA 13	-21.9	-3277	2556	-45235	SLE RA 13	-327	Si
1455	12450	-4868	-45104	SLE RA 13	-22.5	12450	-4868	-45104	SLE RA 13	-333.5	Si
1484	28177	-12293	-44974	SLE RA 13	-23.9	28177	-12293	-44974	SLE RA 13	-348.3	Si
1513	43904	-19717	-44843	SLE RA 13	-25.2	43904	-19717	-44843	SLE RA 13	-363.1	Si
1542	59631	-27142	-44713	SLE RA 13	-26.6	59631	-27142	-44713	SLE RA 13	-378	Si
1571	75358	-34566	-44582	SLE RA 13	-27.9	75358	-34566	-44582	SLE RA 13	-392.8	Si
1600	90814	-41862	-44454	SLE RA 13	-29.3	90814	-41862	-44454	SLE RA 13	-407.3	Si
1620	-46763	-15313	-27461	SLE RA 12	-16.7	-46763	-15313	-27461	SLE RA 12	-236.9	Si
1649	-38097	-9022	-27331	SLE RA 12	-15.6	-38097	-9022	-27331	SLE RA 12	-225.3	Si
1678	-29431	-2732	-27200	SLE RA 12	-14.6	-29431	-2732	-27200	SLE RA 12	-213.7	Si
1707	-21072	4512	-27095	SLE RA 13	-14.3	-21072	4512	-27095	SLE RA 13	-209.7	Si
1736	-11945	10250	-26964	SLE RA 13	-14.3	-11945	10250	-26964	SLE RA 13	-208.5	Si
1765	-3434	16141	-26809	SLE RA 12	-14.4	-3434	16141	-26809	SLE RA 12	-207.6	Si
1794	5232	22432	-26678	SLE RA 12	-15	6308	21726	-26703	SLE RA 13	-213.5	Si
1823	13898	28723	-26548	SLE RA 12	-15.9	13898	28723	-26548	SLE RA 12	-223	Si
1852	22564	35013	-26417	SLE RA 12	-16.8	22564	35013	-26417	SLE RA 12	-232.7	Si
1881	31230	41304	-26287	SLE RA 12	-17.8	31230	41304	-26287	SLE RA 12	-242.4	Si
1910	39746	47487	-26159	SLE RA 12	-17.6	39746	47487	-26159	SLE RA 12	-234.8	Si
1930	79665	18955	-7395	SLE RA 8	-24.8	79665	18955	-7395	SLE RA 8	-260.2	Si
1960	55303	15840	-7327	SLE RA 8	-21.1	55303	15840	-7327	SLE RA 8	-242.3	Si
1990	30940	12725	-7260	SLE RA 8	-14.6	30940	12725	-7260	SLE RA 8	-177.1	Si
2020	6577	9610	-7192	SLE RA 8	-9.6	6577	9610	-7192	SLE RA 8	-128.8	Si
2050	-17785	6495	-7125	SLE RA 8	-11	-17785	6495	-7125	SLE RA 8	-141.3	Si
2080	-41983	3982	-7028	SLE RA 9	-14.7	-41983	3982	-7028	SLE RA 9	-176.7	Si
2110	-66114	1468	-6961	SLE RA 9	-18.4	-66511	265	-6990	SLE RA 8	-213.6	Si
2140	-95131	-3854	-6288	SLE RA 12	-23.4	-95131	-3854	-6288	SLE RA 12	-257.2	Si
2170	-120177	-7001	-6221	SLE RA 12	-37.9	-117104	-7756	-5378	SLE RA 10	518.7	Si
2200	-144806	-10095	-6154	SLE RA 12	-46.4	-140898	-10797	-5311	SLE RA 10	715	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²

Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	146158	29794	-103227	SLE QP 2	-58.8	Si
-111	136574	26766	-103097	SLE QP 2	-58	Si
-81	126823	23686	-102965	SLE QP 2	-57.2	Si
-52	117073	20605	-102833	SLE QP 2	-56.4	Si
-22	107323	17525	-102700	SLE QP 2	-55.6	Si
7	97572	14445	-102568	SLE QP 2	-54.7	Si
36	87822	11365	-102436	SLE QP 2	-53.9	Si
66	78072	8284	-102303	SLE QP 2	-53.1	Si
95	68321	5204	-102171	SLE QP 2	-52.3	Si
125	58473	2093	-102037	SLE QP 2	-51.5	Si
154	48821	-956	-101906	SLE QP 2	-50.9	Si
184	39070	-4037	-101774	SLE QP 2	-50.6	Si
213	29466	-7071	-101643	SLE QP 2	-50.4	Si
242	19570	-10197	-101509	SLE QP 2	-50.2	Si
272	9819	-13277	-101377	SLE QP 2	-49.9	Si
301	69	-16358	-101244	SLE QP 2	-49.7	Si
331	-9681	-19438	-101112	SLE QP 2	-50.3	Si
360	-19266	-22466	-100982	SLE QP 2	-51	Si
380	-53793	41562	-85967	SLE QP 2	-47.3	Si
409	-44400	33445	-85837	SLE QP 2	-46	Si
438	-35007	25328	-85706	SLE QP 2	-44.8	Si
467	-25613	17210	-85576	SLE QP 2	-43.5	Si
496	-16220	9093	-85445	SLE QP 2	-42.3	Si
525	-6827	975	-85315	SLE QP 2	-41	Si
554	2566	-7142	-85184	SLE QP 2	-41.3	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
583	11960	-15259	-85054	SLE QP 2	-42.4	Si
612	21353	-23377	-84923	SLE QP 2	-43.6	Si
641	30746	-31494	-84793	SLE QP 2	-44.7	Si
670	39977	-39471	-84664	SLE QP 2	-45.8	Si
690	-11454	40187	-70295	SLE QP 2	-37.7	Si
719	-5647	32356	-70164	SLE QP 2	-36.6	Si
748	160	24524	-70034	SLE QP 2	-35.6	Si
777	5967	16693	-69903	SLE QP 2	-35.1	Si
806	11775	8861	-69773	SLE QP 2	-34.6	Si
835	17582	1030	-69642	SLE QP 2	-34.1	Si
864	23389	-6801	-69512	SLE QP 2	-34.8	Si
893	29196	-14633	-69381	SLE QP 2	-35.7	Si
922	35003	-22464	-69251	SLE QP 2	-36.7	Si
951	40811	-30296	-69120	SLE QP 2	-37.6	Si
980	46618	-38127	-68990	SLE QP 2	-38.5	Si
1000	-54804	27586	-53808	SLE QP 2	-30.7	Si
1029	-43387	22332	-53679	SLE QP 2	-29.6	Si
1058	-31769	16986	-53549	SLE QP 2	-28.5	Si
1087	-20152	11641	-53418	SLE QP 2	-27.4	Si
1116	-8535	6295	-53288	SLE QP 2	-26.3	Si
1145	3082	949	-53157	SLE QP 2	-25.5	Si
1174	14699	-4396	-53027	SLE QP 2	-26.3	Si
1203	26316	-9742	-52896	SLE QP 2	-27.3	Si
1232	37934	-15088	-52766	SLE QP 2	-28.3	Si
1261	49551	-20434	-52635	SLE QP 2	-29.3	Si
1290	61168	-25779	-52505	SLE QP 2	-30.2	Si
1310	-55048	15450	-37645	SLE QP 2	-21.9	Si
1339	-42383	11574	-37517	SLE QP 2	-20.9	Si
1368	-29496	7629	-37386	SLE QP 2	-19.9	Si
1397	-16608	3684	-37256	SLE QP 2	-18.9	Si
1426	-3721	-260	-37125	SLE QP 2	-17.9	Si
1455	9166	-4205	-36995	SLE QP 2	-18.4	Si
1484	22054	-8149	-36864	SLE QP 2	-19.3	Si
1513	34941	-12094	-36734	SLE QP 2	-20.2	Si
1542	47829	-16039	-36603	SLE QP 2	-21.1	Si
1571	60716	-19983	-36473	SLE QP 2	-22.1	Si
1600	73381	-23860	-36344	SLE QP 2	-23	Si
1620	-40502	-19335	-21833	SLE QP 2	-14.1	Si
1649	-33367	-13159	-21702	SLE QP 2	-13.1	Si
1678	-26233	-6982	-21572	SLE QP 2	-12.1	Si
1707	-19099	-806	-21441	SLE QP 2	-11.2	Si
1736	-11965	5371	-21311	SLE QP 2	-11.2	Si
1765	-4831	11548	-21180	SLE QP 2	-11.4	Si
1794	2303	17724	-21050	SLE QP 2	-11.7	Si
1823	9437	23901	-20919	SLE QP 2	-12.6	Si
1852	16571	30078	-20789	SLE QP 2	-13.4	Si
1881	23705	36254	-20658	SLE QP 2	-14.3	Si
1910	30716	42324	-20530	SLE QP 2	-14.2	Si
1930	66578	16033	-5430	SLE QP 2	-20.1	Si
1960	45955	13141	-5362	SLE QP 2	-16.8	Si
1990	25333	10249	-5295	SLE QP 2	-11.3	Si
2020	4710	7357	-5227	SLE QP 2	-7.1	Si
2050	-15912	4465	-5160	SLE QP 2	-8.4	Si
2080	-36535	1573	-5092	SLE QP 2	-11.5	Si
2110	-57157	-1319	-5025	SLE QP 2	-15	Si
2140	-77780	-4210	-4957	SLE QP 2	-19.2	Si
2170	-98402	-7102	-4890	SLE QP 2	-31.5	Si
2200	-118681	-9946	-4823	SLE QP 2	-38.7	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

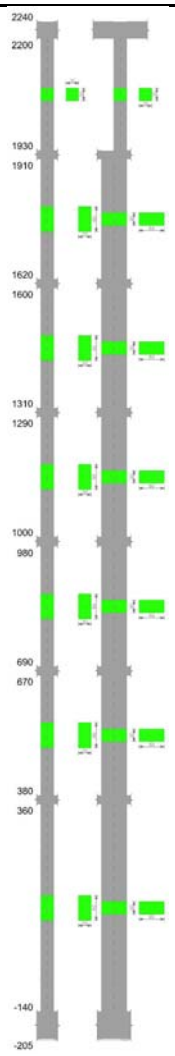
Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 2220 in quanto elemento di estremità superiore alla pilastrata.

Pilastro 13

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60	No	No	No	No		C30/37	B450C	
380	670	R 30x60	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x60	No	No	No	No		C30/37	B450C	
1310	1600	R 30x60	No	No	No	No		C30/37	B450C	
1620	1910	R 30x60	No	No	No	No		C30/37	B450C	
1930	2200	R 30x30 1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.5	-9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.6	-9.67	-24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.67	-24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.67	24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.67	24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.9	-12.85	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.9	0	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.9	12.85	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.9	-12.85	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.9	0	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.9	12.85	1.6	2.011	1310	1620	R 30x60	B450C
p.7	-9.67	-24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.7	9.67	-24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.9	9.67	24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.9	-9.67	24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.10	-9.9	-12.85	1.6	2.011	1620	1910	R 30x60	B450C
p.10	-9.9	0	1.6	2.011	1620	1910	R 30x60	B450C
p.10	9.9	-12.85	1.6	2.011	1620	1910	R 30x60	B450C
p.10	9.9	0	1.6	2.011	1620	1910	R 30x60	B450C
p.9	-9.9	12.85	1.6	2.011	1620	1910	R 30x60	B450C
p.9	9.9	12.85	1.6	2.011	1620	1910	R 30x60	B450C
p.15	-9.67	5.33	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.15	9.67	5.33	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.15	9.67	24.67	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.15	-9.67	24.67	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.16	-9.9	15	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.17	9.9	15	1.6	2.011	1930.1	2240	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	512283	-512283	-188860	818158	-818158	SLU 52	1.597	Si
-111	20.11	2.2	0	1,2	511825	-511825	-188691	818158	-818158	SLU 52	1.599	Si
-81	20.11	1.1	0	2	511358	-511358	-188519	818158	-818158	SLU 52	1.6	Si
-52	20.11	1.1	0	2	510891	-510891	-188347	818158	-818158	SLU 52	1.601	Si
-22	20.11	1.1	0	2	510424	-510424	-188175	818158	-818158	SLU 52	1.603	Si
7	20.11	1.1	0	2	509958	-509958	-188003	818158	-818158	SLU 52	1.604	Si
36	20.11	1.1	0	2	509491	-509491	-187831	818158	-818158	SLU 52	1.606	Si
66	20.11	1.1	0	2	509024	509024	-187659	818158	818158	SLU 52	1.607	Si
95	20.11	1.1	0	2	508558	508558	-187487	818158	818158	SLU 52	1.609	Si
125	20.11	1.1	0	2	508086	508086	-187313	818158	818158	SLU 52	1.61	Si
154	20.11	1.1	0	2	507624	507624	-187143	818158	818158	SLU 52	1.612	Si
184	20.11	1.1	0	2	507157	507157	-186971	818158	818158	SLU 52	1.613	Si
213	20.11	1.1	0	2	506698	506698	-186801	818158	818158	SLU 52	1.615	Si
242	20.11	1.1	0	2	-506224	506224	-186626	-818158	818158	SLU 52	1.616	Si
272	20.11	1.1	0	2	-505757	505757	-186454	-818158	818158	SLU 52	1.618	Si
301	20.11	1.1	0	2	-505291	505291	-186282	-818158	818158	SLU 52	1.619	Si
331	20.11	1.1	0	2	-504824	504824	-186110	-818158	818158	SLU 52	1.621	Si
360	20.11	1.1	0	2	-504365	504365	-185941	-818158	818158	SLU 52	1.622	Si
380	20.11	2.2	0	2,3	-314946	-314946	-157473	-647491	-647491	SLU 52	2.056	Si
409	20.11	2.2	0	2,3	-314613	-314613	-157306	-647491	-647491	SLU 52	2.058	Si
438	20.11	1.1	0	3	-314273	-314273	-157137	-647491	-647491	SLU 52	2.06	Si
467	20.11	1.1	0	3	-313934	-313934	-156967	-647491	-647491	SLU 52	2.063	Si
496	20.11	1.1	0	3	-313595	-313595	-156797	-647491	-647491	SLU 52	2.065	Si
525	20.11	1.1	0	3	313255	-313255	-156628	647491	-647491	SLU 52	2.067	Si
554	20.11	1.1	0	3	312916	312916	-156458	647491	647491	SLU 52	2.069	Si
583	20.11	1.1	0	3	312577	312577	-156288	647491	647491	SLU 52	2.071	Si
612	20.11	1.1	0	3	312238	312238	-156119	647491	647491	SLU 52	2.074	Si
641	20.11	1.1	0	3	311898	311898	-155949	647491	647491	SLU 52	2.076	Si
670	20.11	1.1	0	3	311565	311565	-155782	647491	647491	SLU 52	2.078	Si
690	20.11	2.2	0	3,4	-252357	-252357	-126179	-647491	-647491	SLU 52	2.566	Si
719	20.11	2.2	0	3,4	-252018	-252018	-126009	-647491	-647491	SLU 52	2.569	Si
748	20.11	1.1	0	4	-251679	-251679	-125839	-647491	-647491	SLU 52	2.573	Si
777	20.11	1.1	0	4	-251340	-251340	-125670	-647491	-647491	SLU 52	2.576	Si
806	20.11	1.1	0	4	251000	-251000	-125500	647491	-647491	SLU 52	2.58	Si
835	20.11	1.1	0	4	250661	-250661	-125330	647491	-647491	SLU 52	2.583	Si
864	20.11	1.1	0	4	250322	250322	-125161	647491	647491	SLU 52	2.587	Si
893	20.11	1.1	0	4	249982	249982	-124991	647491	647491	SLU 52	2.59	Si
922	20.11	1.1	0	4	249643	249643	-124822	647491	647491	SLU 52	2.594	Si
951	20.11	1.1	0	4	249304	249304	-124652	647491	647491	SLU 52	2.597	Si
980	20.11	1.1	0	4	248964	248964	-124482	647491	647491	SLU 52	2.601	Si
1000	20.11	2.2	0	4,5	194881	-194881	-97441	647491	-647491	SLU 52	3.322	Si
1029	20.11	2.2	0	4,5	194548	-194548	-97274	647491	-647491	SLU 52	3.328	Si
1058	20.11	1.1	0	5	194209	-194209	-97104	647491	-647491	SLU 52	3.334	Si
1087	20.11	1.1	0	5	193869	-193869	-96935	647491	-647491	SLU 52	3.34	Si
1116	20.11	1.1	0	5	193530	-193530	-96765	647491	-647491	SLU 52	3.346	Si
1145	20.11	1.1	0	5	193191	-193191	-96595	647491	-647491	SLU 52	3.352	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1174	20.11	1.1	0	5	192851	192851	-96426	647491	647491	SLU 52	3.357	Si
1203	20.11	1.1	0	5	192512	192512	-96256	647491	647491	SLU 52	3.363	Si
1232	20.11	1.1	0	5	192173	192173	-96086	647491	647491	SLU 52	3.369	Si
1261	20.11	1.1	0	5	191833	191833	-95917	647491	647491	SLU 52	3.375	Si
1290	20.11	1.1	0	5	191494	191494	-95747	647491	647491	SLU 52	3.381	Si
1310	20.11	2.2	0	5,6	-135034	-135034	-67517	-647491	-647491	SLU 52	4.795	Si
1339	20.11	2.2	0	5,6	-134700	-134700	-67350	-647491	-647491	SLU 52	4.807	Si
1368	20.11	1.1	0	6	-134361	-134361	-67180	-647491	-647491	SLU 52	4.819	Si
1397	20.11	1.1	0	6	134022	-134022	-67011	647491	-647491	SLU 52	4.831	Si
1426	20.11	1.1	0	6	133682	-133682	-66841	647491	-647491	SLU 52	4.844	Si
1455	20.11	1.1	0	6	133343	-133343	-66672	647491	-647491	SLU 52	4.856	Si
1484	20.11	1.1	0	6	133004	-133004	-66502	647491	-647491	SLU 52	4.868	Si
1513	20.11	1.1	0	6	132664	-132664	-66332	647491	-647491	SLU 52	4.881	Si
1542	20.11	1.1	0	6	132325	-132325	-66163	647491	-647491	SLU 52	4.893	Si
1571	20.11	1.1	0	6	131986	-131986	-65993	647491	-647491	SLU 52	4.906	Si
1600	20.11	1.1	0	6	131652	-131652	-65826	647491	-647491	SLU 52	4.918	Si
1620	20.11	2.2	0	6,7,9,10	91294	-79481	-39741	739207	-643559	SLU 52	8.097	Si
1649	20.11	2.2	0	6,7,9,10	79142	-79142	-39571	647491	-647491	SLU 52	8.181	Si
1678	20.11	1.1	0	7,9,10	78803	-78803	-39401	647491	-647491	SLU 52	8.217	Si
1707	20.11	1.1	0	7,9,10	-78463	-78463	-39232	-647491	-647491	SLU 52	8.252	Si
1736	20.11	1.1	0	7,9,10	-78124	-78124	-39062	-647491	-647491	SLU 52	8.288	Si
1765	20.11	1.1	0	7,9,10	-96273	77785	-38892	-793335	640981	SLU 52	8.24	Si
1794	20.11	1.1	0	7,9,10	-137113	77247	-38624	-1102998	621413	SLU 51	8.044	Si
1823	20.11	1.1	0	7,9,10	-175443	76908	-38454	-1369144	600185	SLU 51	7.804	Si
1852	20.11	1.1	0	7,9,10	-213773	76569	-38284	-1612359	577512	SLU 51	7.542	Si
1881	20.11	1.1	0	7,9,10	-252103	76229	-38115	-1833655	554450	SLU 51	7.273	Si
1910	39.29	3.1	0	7,8,9,10,11,12,13,14	-289772	75896	-37948	-2275802	596069	SLU 51	7.854	Si
1930	12.17	2.2	0	8,9,11,12,13,14	-165868	31536	-15768	-777750	147871	SLU 51	4.689	Si
1960	7.38	3.6	0	8,9,11,12,13,14,15,16,17	-116703	31360	-15680	-688516	185018	SLU 51	5.9	Si
1990	12.06	1.3	0	15,16,17	-64657	33008	-16504	-538193	274758	SLU 47	8.324	Si
2020	12.06	1.3	0	15,16,17	-32867	-32867	-16433	-316346	-316346	SLU 48	9.625	Si
2050	12.06	1.3	0	15,16,17	32732	-32691	-16346	316684	-316294	SLU 48	9.675	Si
2080	12.06	1.3	0	15,16,17	79788	-32516	-16258	623640	-254151	SLU 48	7.816	Si
2110	12.06	1.3	0	15,16,17	126844	-32340	-16170	791026	-201681	SLU 48	6.236	Si
2140	12.06	1.3	0	15,16,17	178287	-31084	-15154	901453	-157168	SLU 51	5.056	Si
2170	12.06	1.3	0	15,16,17	227452	-37963	-15066	923321	-154108	SLU 51	4.059	Si
2200	12.06	1.3	0	15,16,17	276617	-44842	-14978	901559	-146151	SLU 51	3.259	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	768143	-318433	-123045	-2.02	1.92	1420833	-589005	SLV 13	1.85				Si
-111	20.11	2.2	0	1,2	708271	-287182	-122915	-2.02	1.92	1364857	-553406	SLV 13	1.927				Si
-81	20.11	1.1	0	2	647373	-255389	-122782	-2.02	1.92	1300531	-513061	SLV 13	2.009				Si
-52	20.11	1.1	0	2	586489	-223597	-122650	-2.02	1.92	1228553	-468381	SLV 13	2.095				Si
-22	20.11	1.1	0	2	525623	-191803	-122518	-2.02	1.92	1149152	-419333	SLV 13	2.186				Si
7	20.11	1.1	0	2	464783	-160009	-122385	-2.02	1.92	1062373	-365739	SLV 13	2.286				Si
36	20.11	1.1	0	2	403978	-128213	-122253	-2.02	1.92	967375	-307021	SLV 13	2.395				Si
66	20.11	1.1	0	2	343234	-105751	-122121	-2.02	1.92	857130	-264084	SLV 13	2.497				Si
95	20.11	1.1	0	2	103610	-64614	-126745	-2.02	1.92	269168	-167860	SLV 15	2.598				Si
125	20.11	1.1	0	2	-10579	-32525	-126612	-2.02	1.92	-27513	-84586	SLV 15	2.601				Si
154	20.11	1.1	0	2	-102520	293	-126481	-2.02	1.92	-266893	763	SLV 15	2.603				Si
184	20.11	1.1	0	2	-60413	40503	-126348	-2.02	1.92	-157439	105554	SLV 15	2.606				Si
213	20.11	1.1	0	2	-25963	79244	-126218	-2.02	1.92	-67732	206728	SLV 15	2.609				Si
242	20.11	1.1	0	2	-12013	120708	-126083	-2.02	1.92	-31373	315232	SLV 15	2.612				Si
272	20.11	1.1	0	2	-25530	161787	-125951	-2.02	1.92	-66741	422955	SLV 15	2.614				Si
301	20.11	1.1	0	2	-45445	202956	-125819	-2.02	1.92	-114883	513063	SLV 15	2.528				Si
331	20.11	1.1	0	2	-65959	244169	-125686	-2.02	1.92	-160199	593025	SLV 15	2.429				Si
360	20.11	1.1	0	2	-86303	284704	-125556	-2.02	1.92	-201802	665720	SLV 15	2.338				Si
380	20.11	2.2	0	2,3	-234420	-408778	-105101	-2.02	1.92	-535031	-932979	SLV 15	2.282				Si
409	20.11	2.2	0	2,3	-187602	-331801	-104972	-2.02	1.92	-463654	-820040	SLV 15	2.471				Si
438	20.11	1.1	0	3	-140500	-253514	-104842	-2.02	1.92	-378081	-682196	SLV 15	2.691				Si
467	20.11	1.1	0	3	-94678	-175320	-104711	-2.02	1.92	-279421	-517417	SLV 15	2.951				Si
496	20.11	1.1	0	3	-53042	-97465	-104581	-2.02	1.92	-167001	-306866	SLV 15	3.148				Si
525	20.11	1.1	0	3	-23007	-20154	-104450	-2.02	1.92	-72526	-63534	SLV 15	3.152				Si
554	20.11	1.1	0	3	-2349	62457	-104320	-2.02	1.92	-7413	197135	SLV 15	3.156				Si
583	20.11	1.1	0	3	-7051	139670	-104189	-2.02	1.92	-22284	441399	SLV 15	3.16				Si
612	20.11	1.1	0	3	-13260	217766	-104059	-2.02	1.92	-38860	638194	SLV 15	2.931				Si
641	20.11	1.1	0	3	-19970	296022	-103928	-2.02	1.92	-54217	803683	SLV 15	2.715				Si
670	20.11	1.1	0	3	-26776	372983	-103800	-2.02	1.92	-67783	944222	SLV 15	2.532				Si
690	20.11	2.2	0	3,4	69386	-327165	-83154	-2.02	1.92	208997	-985448	SLV 15	3.012				Si
719	20.11	2.2	0	3,4	56018	-260937	-83024	-2.02	1.92	182237	-848881	SLV 15	3.253				Si
748	20.11	1.1	0	4	42851	-194783	-82893	-2.02	1.92	151439	-688385	SLV 15	3.534				Si
777	20.11	1.1	0	4	30182	-128825	-82763	-2.02	1.92	116689	-498066	SLV 15	3.866				Si
806	20.11	1.1	0	4	19244	-63821	-82632	-2.02	1.92	76682	-254311	SLV 15	3.985				Si
835	20.11	1.1	0	4	21996	8866	-82502	-2.02	1.92	87788	35384	SLV 15	3.991				Si
864	20.11	1.1	0	4	-18368	72994	-82371	-2.02	1.92	-73423	291784	SLV 15	3.997				Si
893	20.11	1.1	0	4	-30063	138476	-82241	-2.02	1.92	-115366	531397	SLV 15	3.837				Si
922	20.11	1.1	0	4	-42927	204512	-82110	-2.02	1.92	-151002	719406	SLV 15	3.518				Si
951	20.11	1.1	0	4	-56167	270693	-81980	-2.02	1.92	-182322	878690	SLV 15	3.246				Si
980	20.11	1.1	0	4	-69570	336933	-81849	-2.02	1.92	-209429	1014278	SLV 15	3.01				Si
1000	20.11	2.2	0	4,5	73941	-307903	-63009	-2.02	1.92	267418	-1113579	SLV 15	3.617				Si
1029	20.11	2.2	0	4,5	62562	-248079	-62881	-2.02	1.92	247720	-982285	SLV 15	3.96				Si
1058	20.11	1.1	0	5	51374	-187313	-62750	-2.02	1.92	223324	-814250	SLV 15	4.347				Si
1087	20.11	1.1	0	5	41036	-126820	-62620	-2.02	1.92	197364	-609941	SLV 15	4.809				Si
1116	20.11	1.1	0	5	32816	-67418	-62489	-2.02	1.92	172916	-355242	SLV 15	5.269				Si
1145	20.11	1.1	0	5	55350	-11760	-62359	-2.02	1.92	292261	-62097	SLV 15	5.28				Si
1174	20.11	1.1	0	5	64593	61581	-62228	-2.02	1.92	341784	325845	SLV 15	5.291				Si
1203	20.11	1.1	0	5	-20310	120723	-62098	-2.02	1.92	-100555	597708	SLV 15	4.951				Si
1232	20.11	1.1	0	5	-30690	181171	-61967	-2.02	1.92	-137336	810731	SLV 15	4.475				Si
1261	20.11	1.1	0	5	-41899	241921	-61837	-2.02	1.92	-170877	986631	SLV 15	4.078				Si
1290	20.11	1.1	0	5	-53489	302788	-61706	-2.02	1.92	-199032	1126671	SLV 15	3.721				Si
1310	20.11	2.2	0	5,6	48030	-277542	-41540	-2.02	1.92	223195	-1289725	SLV 15	4.647				Si
1339	20.11	2.2	0	5,6	43425	-223545	-41412	-2.02	1.92	228972	-1178716	SLV 15	5.273				Si
1368	20.11	1.1	0	6	129424	-127336	-42649	-2.02	1.92	762582	-750278	SLV 13	5.892				Si
1397	20.11	1.1	0	6	102707	-86527	-42518	-2.02	1.92	675511	-569096	SLV 13	6.577				Si
1426	20.11	1.1	0	6	82218	-46433	-42388	-2.02	1.92	605447	-341931	SLV 13	7.364				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1455	20.11	1.1	0	6	34459	3569	-42257	-2.02	1.92	268507	27807	SLV 13	7.792				Si
1484	20.11	1.1	0	6	87223	55301	-40760	-2.02	1.92	645128	409021	SLV 15	7.396				Si
1513	20.11	1.1	0	6	113168	109091	-40629	-2.02	1.92	724884	698769	SLV 15	6.405				Si
1542	20.11	1.1	0	6	145832	163738	-40499	-2.02	1.92	810056	909520	SLV 15	5.555				Si
1571	20.11	1.1	0	6	181548	218604	-40368	-2.02	1.92	866950	1043908	SLV 15	4.775				Si
1600	20.11	1.1	0	6	218133	272612	-40240	-2.02	1.92	893497	1116649	SLV 15	4.096				Si
1620	20.11	2.2	0	6,7,9,10	124142	-264481	-23236	-2.02	1.92	600000	-1278279	SLV 15	4.833				Si
1649	20.11	2.2	0	6,7,9,10	88855	-205241	-23106	-2.02	1.92	554879	-1281681	SLV 15	6.245				Si
1678	20.11	1.1	0	7,9,10	144720	-104555	-24931	-2.02	1.92	1180428	-852816	SLV 13	8.157				Si
1707	20.11	1.1	0	7,9,10	86357	-60678	-24800	-2.02	1.92	899000	-631676	SLV 13	10.41				Si
1736	20.11	1.1	0	7,9,10	-108289	39285	-24525	-2.02	1.92	-1172745	425445	SLV 5	10.83				Si
1765	20.11	1.1	0	7,9,10	-171664	43490	-25514	-2.02	1.92	-1602481	405974	SLV 9	9.335				Si
1794	20.11	1.1	0	7,9,10	-256306	76165	-25384	-2.02	1.92	-1876670	557682	SLV 9	7.322				Si
1823	20.11	1.1	0	7,9,10	-281523	118006	-24278	-2.02	1.92	-1744709	731330	SLV 13	6.197				Si
1852	20.11	1.1	0	7,9,10	-352318	162325	-24148	-2.02	1.92	-1691640	779397	SLV 13	4.801				Si
1881	20.11	1.1	0	7,9,10	-424836	206676	-24017	-2.02	1.92	-1627189	791601	SLV 13	3.83				Si
1910	39.29	3.1	0	7,8,9,10,11,12,13,14	-497017	250274	-23889	-2.02	1.92	-1795619	904188	SLV 13	3.613				Si
1930	12.17	2.2	0	8,9,11,12,13,14	-192045	219780	-8617	-2.02	1.92	-213179	243966	SLV 1	1.11				Si
1960	7.38	3.6	0	8,9,11,12,13,14,15,16,17	-142384	168730	-8549	-2.02	1.92	-252421	299128	SLV 1	1.773				Si
1990	12.06	1.3	0	15,16,17	-132627	104523	-7669	-2.02	1.92	-442217	348507	SLV 3	3.334				Si
2020	12.06	1.3	0	15,16,17	-70657	72664	-7203	-2.02	1.92	-400133	411500	SLV 7	5.663				Si
2050	12.06	1.3	0	15,16,17	36542	-52620	-10315	-2.02	1.92	319355	-459866	SLV 9	8.739				Si
2080	12.06	1.3	0	15,16,17	54810	-74523	-10248	-2.02	1.92	347441	-472402	SLV 9	6.339				Si
2110	12.06	1.3	0	15,16,17	87226	-122035	-10180	-2.02	1.92	331559	-463874	SLV 9	3.801				Si
2140	12.06	1.3	0	15,16,17	126670	-175042	-10113	-2.02	1.92	324030	-447772	SLV 9	2.558				Si
2170	12.06	1.3	0	15,16,17	167359	-229643	-10045	-2.02	1.92	312238	-428439	SLV 9	1.866				Si
2200	12.06	1.3	0	15,16,17	208390	-284901	-9978	-2.02	1.92	291214	-398135	SLV 9	1.397				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	370602	-142677	-117327	918077	-353448	SLD 13	2.477	Si
-111	20.11	2.2	0	1,2	342027	-128331	-117197	867427	-325464	SLD 13	2.536	Si
-81	20.11	1.1	0	2	312962	-113736	-117064	813380	-295598	SLD 13	2.599	Si
-52	20.11	1.1	0	2	283904	-99142	-116932	756557	-264198	SLD 13	2.665	Si
-22	20.11	1.1	0	2	254855	-84548	-116800	696798	-231163	SLD 13	2.734	Si
7	20.11	1.1	0	2	108582	-89843	-118529	301640	-249581	SLD 15	2.778	Si
36	20.11	1.1	0	2	95313	-71557	-118396	265073	-199007	SLD 15	2.781	Si
66	20.11	1.1	0	2	82058	-49653	-118264	228466	-138244	SLD 15	2.784	Si
95	20.11	1.1	0	2	68826	-26187	-118132	191839	-72992	SLD 15	2.787	Si
125	20.11	1.1	0	2	19027	-11495	-117998	53095	-32076	SLD 15	2.79	Si
154	20.11	1.1	0	2	-21870	3438	-117867	-61095	9603	SLD 15	2.794	Si
184	20.11	1.1	0	2	-10531	21712	-117735	-29452	60724	SLD 15	2.797	Si
213	20.11	1.1	0	2	-2819	38922	-117604	-7893	108975	SLD 15	2.8	Si
242	20.11	1.1	0	2	-2343	57325	-117470	-6568	160683	SLD 15	2.803	Si
272	20.11	1.1	0	2	-12483	75558	-117337	-35029	212029	SLD 15	2.806	Si
301	20.11	1.1	0	2	-25374	93831	-117205	-71283	263604	SLD 15	2.809	Si
331	20.11	1.1	0	2	-38500	112124	-117073	-108283	315353	SLD 15	2.813	Si
360	20.11	1.1	0	2	-51477	130117	-116943	-144942	366364	SLD 15	2.816	Si
380	20.11	2.2	0	2,3	-95871	-176253	-98431	-296550	-545191	SLD 15	3.093	Si
409	20.11	2.2	0	2,3	-75605	-142973	-98303	-244639	-462625	SLD 15	3.236	Si
438	20.11	1.1	0	3	-55295	-109133	-98173	-185457	-366033	SLD 15	3.354	Si
467	20.11	1.1	0	3	-35706	-75350	-98042	-119916	-253060	SLD 15	3.358	Si
496	20.11	1.1	0	3	-18299	-41771	-97912	-61539	-140473	SLD 15	3.363	Si
525	20.11	1.1	0	3	-5162	-8484	-97781	-17382	-28570	SLD 15	3.367	Si
554	20.11	1.1	0	3	6907	27886	-97651	23290	94029	SLD 15	3.372	Si
583	20.11	1.1	0	3	7345	61110	-97520	24800	206334	SLD 15	3.376	Si
612	20.11	1.1	0	3	7164	94838	-97390	24222	320643	SLD 15	3.381	Si
641	20.11	1.1	0	3	6752	128659	-97259	22860	435575	SLD 15	3.385	Si
670	20.11	1.1	0	3	6245	161931	-97131	20563	533196	SLD 15	3.293	Si
690	20.11	2.2	0	3,4	30572	-134510	-78312	122642	-539605	SLD 15	4.012	Si
719	20.11	2.2	0	3,4	24977	-107858	-78181	104418	-450914	SLD 15	4.181	Si
748	20.11	1.1	0	4	19500	-81250	-78051	82263	-342766	SLD 15	4.219	Si
777	20.11	1.1	0	4	14303	-54760	-77920	60442	-231401	SLD 15	4.226	Si
806	20.11	1.1	0	4	9963	-28829	-77790	42172	-122026	SLD 15	4.233	Si
835	20.11	1.1	0	4	11627	1529	-77659	49299	6481	SLD 15	4.24	Si
864	20.11	1.1	0	4	-7411	27108	-77529	-31475	115128	SLD 15	4.247	Si
893	20.11	1.1	0	4	-12118	53308	-77398	-51553	226784	SLD 15	4.254	Si
922	20.11	1.1	0	4	-17426	79843	-77268	-74258	340245	SLD 15	4.261	Si
951	20.11	1.1	0	4	-22946	106467	-77137	-97306	451481	SLD 15	4.241	Si
980	20.11	1.1	0	4	-28563	133126	-77007	-116471	542857	SLD 15	4.078	Si
1000	20.11	2.2	0	4,5	39207	-121774	-59779	197286	-612759	SLD 15	5.032	Si
1029	20.11	2.2	0	4,5	34236	-98298	-59650	180336	-517782	SLD 15	5.267	Si
1058	20.11	1.1	0	5	29378	-74475	-59520	162441	-411802	SLD 15	5.529	Si
1087	20.11	1.1	0	5	24923	-50810	-59389	138179	-281706	SLD 15	5.544	Si
1116	20.11	1.1	0	5	21326	-27759	-59259	118499	-154240	SLD 15	5.556	Si
1145	20.11	1.1	0	5	31892	-5882	-59128	177599	-32754	SLD 15	5.569	Si
1174	20.11	1.1	0	5	33534	24345	-58998	187154	135873	SLD 15	5.581	Si
1203	20.11	1.1	0	5	-3784	47183	-58867	-21166	263916	SLD 15	5.593	Si
1232	20.11	1.1	0	5	-8161	70808	-58737	-45752	396941	SLD 15	5.606	Si
1261	20.11	1.1	0	5	-12986	94618	-58606	-70847	516186	SLD 15	5.455	Si
1290	20.11	1.1	0	5	-18029	118500	-58476	-94045	618139	SLD 15	5.216	Si
1310	20.11	2.2	0	5,6	17669	-115614	-40279	122490	-801484	SLD 15	6.932	Si
1339	20.11	2.2	0	5,6	66860	-71728	-40701	487342	-522830	SLD 13	7.289	Si
1368	20.11	1.1	0	6	57229	-55587	-40571	439629	-427014	SLD 13	7.682	Si
1397	20.11	1.1	0	6	48720	-39525	-40440	394959	-320416	SLD 13	8.107	Si
1426	20.11	1.1	0	6	42471	-23809	-40310	346921	-194485	SLD 13	8.168	Si
1455	20.11	1.1	0	6	21070	-2758	-40179	172670	-22599	SLD 13	8.195	Si
1484	20.11	1.1	0	6	23472	10449	-40049	192981	85910	SLD 13	8.222	Si
1513	20.11	1.1	0	6	27228	26231	-39918	224594	216365	SLD 13	8.249	Si
1542	20.11	1.1	0	6	69567	59464	-39237	535559	457786	SLD 15	7.699	Si
1571	20.11	1.1	0	6	85060	81163	-39107	612238	584190	SLD 15	7.198	Si
1600	20.11	1.1	0	6	101149	102538	-38979	683615	693002	SLD 15	6.758	Si
1620	20.11	2.2	0	6,7,9,10	152131	-83925	-23533	1347530	-743380	SLD 13	8.858	Si
1649	20.11	2.2	0	6,7,9,10	110541	-64728	-23403	1129612	-661453	SLD 13	10.219	Si
1678	20.11	1.1	0	7,9,10	70610	-45587	-23272	831699	-536955	SLD 13	11.779	Si
1707	20.11	1.1	0	7,9,10	34318	-26657	-23142	470894	-365778	SLD 13	13.722	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1736	20.11	1.1	0	7,9,10	-69695	18216	-22924	-921873	240946	SLD 5	13.227	Si
1765	20.11	1.1	0	7,9,10	-106299	20070	-23264	-1275753	240870	SLD 9	12.002	Si
1794	20.11	1.1	0	7,9,10	-151370	33913	-23134	-1598362	358093	SLD 9	10.559	Si
1823	20.11	1.1	0	7,9,10	-175506	51184	-22620	-1694679	494236	SLD 13	9.656	Si
1852	20.11	1.1	0	7,9,10	-216840	70376	-22489	-1811255	587845	SLD 13	8.353	Si
1881	20.11	1.1	0	7,9,10	-259134	89594	-22359	-1863498	644295	SLD 13	7.191	Si
1910	39.29	3.1	0	7,8,9,10,11,12,13,14	-301214	108493	-22230	-2014730	725674	SLD 13	6.689	Si
1930	12.17	2.2	0	8,9,11,12,13,14	-141466	113634	-8818	-335757	269700	SLD 1	2.373	Si
1960	7.38	3.6	0	8,9,11,12,13,14,15,16,17	-103250	86441	-8750	-373586	312767	SLD 1	3.618	Si
1990	12.06	1.3	0	15,16,17	-84339	52693	-8332	-512133	319968	SLD 3	6.072	Si
2020	12.06	1.3	0	15,16,17	-40756	33308	-8265	-438585	358428	SLD 3	10.761	Si
2050	12.06	1.3	0	15,16,17	26902	-25510	-9415	337715	-320250	SLD 9	12.554	Si
2080	12.06	1.3	0	15,16,17	50187	-37376	-9348	461744	-343882	SLD 9	9.201	Si
2110	12.06	1.3	0	15,16,17	80492	-63139	-9280	466568	-365981	SLD 9	5.796	Si
2140	12.06	1.3	0	15,16,17	114484	-91337	-9213	450992	-359810	SLD 9	3.939	Si
2170	12.06	1.3	0	15,16,17	149016	-120169	-9145	438953	-353979	SLD 9	2.946	Si
2200	12.06	1.3	0	15,16,17	183682	-149250	-9078	430339	-349671	SLD 9	2.343	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	221	-187330	SLU 49	15366	45180	46328	2.05	204.88	-642	-176789	SLU 46	15029	47417	48934	2.45	73.85	Si
-111	5X/2Y Ø8/10	221	-187161	SLU 49	15366	45180	46390	2.05	204.88	-642	-176620	SLU 46	15029	47417	48995	2.45	73.85	Si
-81	5X/2Y Ø8/10	221	-186989	SLU 49	15366	45180	46453	2.05	204.88	-642	-176447	SLU 46	15029	47417	49057	2.45	73.85	Si
-52	5X/2Y Ø8/10	221	-186817	SLU 49	15366	45180	46516	2.05	204.88	-642	-176275	SLU 46	15029	48385	48410	2.5	75.35	Si
-22	5X/2Y Ø8/15	221	-186645	SLU 49	15366	36732	40762	2.5	166.57	-642	-176103	SLU 46	15029	32257	48471	2.5	50.24	Si
7	5X/2Y Ø8/15	221	-186472	SLU 49	15366	36732	40818	2.5	166.57	-642	-175931	SLU 46	15029	32257	48531	2.5	50.24	Si
36	5X/2Y Ø8/15	221	-186300	SLU 49	15366	36732	40873	2.5	166.57	-642	-175759	SLU 46	15029	32257	48592	2.5	50.24	Si
66	5X/2Y Ø8/15	221	-186128	SLU 49	15366	36732	40928	2.5	166.57	-642	-175587	SLU 46	15029	32257	48653	2.5	50.24	Si
95	5X/2Y Ø8/15	221	-185956	SLU 49	15366	36732	40984	2.5	166.57	-642	-175415	SLU 46	15029	32257	48714	2.5	50.24	Si
125	5X/2Y Ø8/15	221	-185783	SLU 49	15366	36732	41040	2.5	166.57	-642	-175241	SLU 46	15029	32257	48775	2.5	50.24	Si
154	5X/2Y Ø8/15	221	-185612	SLU 49	15366	36732	41095	2.5	166.57	-642	-175071	SLU 46	15029	32257	48835	2.5	50.24	Si
184	5X/2Y Ø8/15	221	-185440	SLU 49	15366	36732	41150	2.5	166.57	-642	-174899	SLU 46	15029	32257	48896	2.5	50.24	Si
213	5X/2Y Ø8/15	221	-185271	SLU 49	15366	36732	41205	2.5	166.57	-642	-174729	SLU 46	15029	32257	48956	2.5	50.24	Si
242	5X/2Y Ø8/10	220	-186359	SLU 51	15366	45180	46685	2.05	205.79	-642	-174555	SLU 46	15029	48385	49018	2.5	75.35	Si
272	5X/2Y Ø8/10	220	-186187	SLU 51	15366	45180	46748	2.05	205.79	-642	-174383	SLU 46	15029	48385	49079	2.5	75.35	Si
301	5X/2Y Ø8/10	220	-186015	SLU 51	15366	45180	46811	2.05	205.79	-642	-174211	SLU 46	15029	48385	49139	2.5	75.35	Si
331	5X/2Y Ø8/10	220	-185843	SLU 51	15366	45180	46875	2.05	205.79	-642	-174039	SLU 46	15029	48385	49200	2.5	75.35	Si
360	5X/2Y Ø8/10	220	-185674	SLU 51	15366	45180	46937	2.05	205.79	-642	-173869	SLU 46	15029	48385	49260	2.5	75.35	Si
380	5X/2Y Ø8/10	497	-156159	SLU 50	15366	51792	52691	2.35	104.19	356	-147456	SLU 46	15029	48385	55356	2.5	135.82	Si
409	5X/2Y Ø8/10	497	-155992	SLU 50	15366	51792	52691	2.35	104.19	356	-147289	SLU 46	15029	48385	55356	2.5	135.82	Si
438	5X/2Y Ø8/10	497	-155822	SLU 50	15366	51792	52691	2.35	104.19	356	-147120	SLU 46	15029	48385	55356	2.5	135.82	Si
467	5X/2Y Ø8/14.4	497	-155653	SLU 50	15366	38145	50429	2.5	76.73	356	-146950	SLU 46	15029	33497	55356	2.5	94.03	Si
496	5X/2Y Ø8/14.4	497	-155483	SLU 50	15366	38145	50429	2.5	76.73	356	-146780	SLU 46	15029	33497	55356	2.5	94.03	Si
525	5X/2Y Ø8/14.4	497	-155313	SLU 50	15366	38145	50429	2.5	76.73	356	-146611	SLU 46	15029	33497	55356	2.5	94.03	Si
554	5X/2Y Ø8/14.4	497	-155144	SLU 50	15366	38145	50429	2.5	76.73	356	-146441	SLU 46	15029	33497	55356	2.5	94.03	Si
583	5X/2Y Ø8/14.4	497	-154974	SLU 50	15366	38145	50429	2.5	76.73	356	-146271	SLU 46	15029	33497	55356	2.5	94.03	Si
612	5X/2Y Ø8/10	497	-154804	SLU 50	15366	51792	52691	2.35	104.19	356	-146102	SLU 46	15029	48385	55356	2.5	135.82	Si
641	5X/2Y Ø8/10	497	-154635	SLU 50	15366	51792	52691	2.35	104.19	356	-145932	SLU 46	15029	48385	55356	2.5	135.82	Si
670	5X/2Y Ø8/10	497	-154468	SLU 50	15366	51792	52691	2.35	104.19	356	-145765	SLU 46	15029	48385	55356	2.5	135.82	Si
690	5X/2Y Ø8/10	243	-113010	SLU 24	15366	51792	52691	2.35	213.01	122	-86646	SLU 16	15029	48385	55356	2.5	396.42	Si
719	5X/2Y Ø8/10	243	-112880	SLU 24	15366	51792	52691	2.35	213.01	122	-86515	SLU 16	15029	48385	55356	2.5	396.42	Si
748	5X/2Y Ø8/10	243	-112749	SLU 24	15366	51792	52691	2.35	213.01	122	-86385	SLU 16	15029	48385	55356	2.5	396.42	Si
777	5X/2Y Ø8/14.4	243	-112619	SLU 24	15366	38145	50429	2.5	156.88	122	-86254	SLU 16	15029	33497	55356	2.5	274.44	Si
806	5X/2Y Ø8/14.4	243	-112488	SLU 24	15366	38145	50429	2.5	156.88	122	-86124	SLU 16	15029	33497	55356	2.5	274.44	Si
835	5X/2Y Ø8/14.4	243	-112358	SLU 24	15366	38145	50429	2.5	156.88	122	-85993	SLU 16	15029	33497	55356	2.5	274.44	Si
864	5X/2Y Ø8/14.4	243	-112227	SLU 24	15366	38145	50429	2.5	156.88	122	-85863	SLU 16	15029	33497	55356	2.5	274.44	Si
893	5X/2Y Ø8/14.4	243	-112097	SLU 24	15366	38145	50429	2.5	156.88	122	-85732	SLU 16	15029	33497	55356	2.5	274.44	Si
922	5X/2Y Ø8/10	243	-111966	SLU 24	15366	51792	52691	2.35	213.01	122	-85602	SLU 16	15029	48385	55356	2.5	396.42	Si
951	5X/2Y Ø8/10	243	-111836	SLU 24	15366	51792	52691	2.35	213.01	122	-85471	SLU 16	15029	48385	55356	2.5	396.42	Si
980	5X/2Y Ø8/10	243	-111705	SLU 24	15366	51792	52691	2.35	213.01	122	-85341	SLU 16	15029	48385	55356	2.5	396.42	Si
1000	4X/2Y Ø8/10	177	-86758	SLU 24	15366	44078	50429	2.5	249.54	-95	-81520	SLU 38	15029	48385	55356	2.5	509.84	Si
1029	4X/2Y Ø8/10	177	-86630	SLU 24	15366	44078	50429	2.5	249.54	-95	-81353	SLU 38	15029	48385	55356	2.5	509.84	Si
1058	4X/2Y Ø8/10	177	-86499	SLU 24	15366	44078	50429	2.5	249.54	-95	-81184	SLU 38	15029	48385	55356	2.5	509.84	Si
1087	4X/2Y Ø8/14.4	177	-86369	SLU 24	15366	30516	50429	2.5	172.76	-95	-81014	SLU 38	15029	33497	55356	2.5	352.97	Si
1116	4X/2Y Ø8/14.4	177	-86238	SLU 24	15366	30516	50429	2.5	172.76	-95	-80844	SLU 38	15029	33497	55356	2.5	352.97	Si
1145	4X/2Y Ø8/14.4	177	-86108	SLU 24	15366	30516	50429	2.5	172.76	-95	-80675	SLU 38	15029	33497	55356	2.5	352.97	Si
1174	4X/2Y Ø8/14.4	177	-85977	SLU 24	15366	30516	50429	2.5	172.76	-95	-80505	SLU 38	15029	33497	55356	2.5	352.97	Si
1203	4X/2Y Ø8/14.4	177	-85847	SLU 24	15366	30516	50429	2.5	172.76	-95	-80335	SLU 38	15029	33497	55356	2.5	352.97	Si
1232	4X/2Y Ø8/10	177	-85716	SLU 24	15366	44078	50429	2.5	249.54	-95	-80166	SLU 38	15029	48385	55356	2.5	509.84	Si
1261	4X/2Y Ø8/10	177	-85586	SLU 24	15366	44078	50429	2.5	249.54	-95	-79996	SLU 38	15029	48385	55356	2.5	509.84	Si
1290	4X/2Y Ø8/10	177	-85455	SLU 24	15366	44078	50429	2.5	249.54	-95	-79826	SLU 38	15029	48385	55356	2.5	509.84	Si
1310	4X/2Y Ø8/10	-118	-43166	SLU 31	12941	44078	45903	2.5	374.81	229	-64255	SLU 48	15029	48385	53369	2.5	211.2	Si
1339	4X/2Y Ø8/10	-118	-42999	SLU 31	12920	44078	45881	2.5	374.81	229	-64088	SLU 48	15029	48385	53346	2.5	211.2	Si
1368	4X/2Y Ø8/10	-118	-42829	SLU 31	12899	44078	45860	2.5	374.81	229	-63919	SLU 48	15029	48385	53322	2.5	211.2	Si
1397	4X/2Y Ø8/14.4	-118	-42660	SLU 31	12878	30516	45838	2.5	259.48	229	-63749	SLU 48	15029	33497	53298	2.5	146.21	Si
1426	4X/2Y Ø8/14.4	-118	-42490	SLU 31	12856	30516	45816	2.5	259.48	229	-63579	SLU 48	15029	33497	53274	2.5	146.21	Si
1455	4X/2Y Ø8/14.4	-118	-42320	SLU 31	12835	30516	45794	2.5	259.48	229	-63410	SLU 48	15029	33497	53250	2.5	146.21	Si
1484	4X/2Y Ø8/14.4	-118	-42151	SLU 31	12814	30516	45772	2.5	259.48	229	-63240	SLU 48	15029	33497	53226	2.5	146.21	Si
1513	4X/2Y Ø8/14.4	-118	-41981	SLU 31	12793	30516	45750	2.5	259.48	229	-63070	SLU 48	15029	33497	53202	2.5	146.21	Si
1542	4X/2Y Ø8/10	-118	-41811	SLU 31	12772	44078	45728	2.5	374.81	229	-62901	SLU 48	15029	48385	53178	2.5	211.2	Si
1571	4X/2Y Ø8/10	-118	-41642	SLU 31	12751	44078	45707	2.5	374.81	229	-62731	SLU 48	15029	48385	53154	2.5	211.2	Si
1600	4X/2Y Ø8/10	-118	-41475	SLU 31	12730	44078	45685	2.5	374.81	229	-62564	SLU 48	15017	48385	53130	2.5	211.2	Si
1620	4X/2Y Ø8/10	250	-33926	SLU 23	11790	44078	44713	2.5	176.26	-1332	-38130	SLU 47	11678	48385	49676	2.5	36.32	Si
1649	4X/2Y Ø8/10	250	-33796	SLU 23	11774	44078	44696	2.5	176.26	-1332	-37960	SLU 47	11655	48385	49652	2.5	36.32	Si
1678	4X/2Y Ø8/10	250	-33665	SLU 23	11758	44078	44679	2.5	176.26	-1332	-37791	SLU 47	11632	48385	49628	2.5	36.32	Si
1707	4X/2Y Ø8/14.4	250	-33535	SLU 23	11742	30516	44662	2.5	122.03	-1332	-37621	SLU 47	11608	33497	49604	2.5	25.15	Si
1736	4X/2Y Ø8/14.4	250	-33404	SLU 23	11725	30516	44646	2.5	122.03	-1332	-37451	SLU 47	11585	33497	49580	2.5	25.15	Si
1765	4X/2Y Ø8/14.4	250	-33274	SLU 23	11709	30516	44629	2.5	122.03	-1332	-37282	SLU 47	11562	33497	49556	2.5	25.15	Si
1794	4X/2Y Ø8/14.4	250	-33143	SLU 23	11693	30516	44612	2.5	122.03	-1332	-37112	SLU 47	11539	33497	49532	2.5	25.15	Si
1823	4X/2Y Ø8/14.4	250	-33013	SLU 23	11677	30516	44595	2.5	122.03	-1332	-36942	SLU 47	11516	33497	49508	2.5	25.15	Si
1852	4X/2Y Ø8/10	250	-32882	SLU 23	11660	44078	44578	2.5	176.26	-1332	-36773	SLU 47	11492	48385	49484	2.5	36.32	Si
1881	4X/2Y Ø8/10	250	-32752	SLU 23	11644	44078	44562	2.5	176.26	-1332	-36603	SLU 47	11469	48385	49460	2.5	36.32	Si
1910	4X/2Y Ø8/10	250	-32624	SLU 23	11628	44078	44545	2.5	176.26	-1332	-36436	SLU 47	11447	48385	49436	2.5	36.32	Si
1930	2X/2Y Ø8/10	-242	-14120	SLU 50	5502	21395	22102	2.45	88.44	1639	-15768	SLU 51	5746	22039	22203	2.5	13.45	Si
1960	2X/2Y Ø8/10	-242	-14032	SLU 50	5491	21395	22091	2.45	88.44	1639	-15680	SLU 51	5735	22039	22191	2.5	13.45	Si
1990	2X/2Y Ø8/10	-242	-13945	SLU 50	5480	21395	22079	2.45	88.44	1639	-15592	SLU 51	5724	22039	22180	2.5	13.45	Si
2020	2X/2Y Ø8/10	-242	-13857	SLU 50	5469	21395	22068	2.45	88.44	1639	-15505	SLU 51	5714	22039	22169	2.5	13.45	Si
2050	2X/2Y Ø8/10	-242	-13769	SLU 50	5458	21395	22057	2.45	88.44	1639	-15417	SLU 51	5703	22039	22157	2.5	13.45	Si
2080	2X/2Y Ø8/10	-242	-13681	SLU 50	5448	21395	22045	2.45	88.44	1639	-15329	SLU 51	5692	22039	22146	2.5	13.45	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
2110	2X/2Y Ø8/10	-242	-13594	SLU 50	5437	21395	22034	2.45	88.44	1639	-15241	SLU 51	5681	22039	22135	2.5	13.45	Si
2140	2X/2Y Ø8/10	-242	-13506	SLU 50	5426	21395	22023	2.45	88.44	1639	-15154	SLU 51	5670	22039	22123	2.5	13.45	Si
2170	2X/2Y Ø8/10	-242	-13418	SLU 50	5415	21395	22011	2.45	88.44	1639	-15066	SLU 51	5659	22039	22112	2.5	13.45	Si
2200	2X/2Y Ø8/10	-242	-13330	SLU 50	5404	21395	22000	2.45	88.44	1639	-14978	SLU 51	5648	22039	22101	2.5	13.45	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	1404	-127802	SLV 15	15366	51792	52691	2.35	36.89	-2882	-109240	SLV 9	15029	48385	55356	2.5	16.79	Si
-111	5X/2Y Ø8/10	1404	-127672	SLV 15	15366	51792	52691	2.35	36.89	-2882	-109110	SLV 9	15029	48385	55356	2.5	16.79	Si
-81	5X/2Y Ø8/10	1404	-127539	SLV 15	15366	51792	52691	2.35	36.89	-2882	-108978	SLV 9	15029	48385	55356	2.5	16.79	Si
-52	5X/2Y Ø8/10	1404	-127407	SLV 15	15366	51792	52691	2.35	36.89	-2882	-108845	SLV 9	15029	48385	55356	2.5	16.79	Si
-22	5X/2Y Ø8/15	1404	-127275	SLV 15	15366	36732	50429	2.5	26.16	-2882	-108713	SLV 9	15029	32257	55356	2.5	11.19	Si
7	5X/2Y Ø8/15	1404	-127142	SLV 15	15366	36732	50429	2.5	26.16	-2882	-108581	SLV 9	15029	32257	55356	2.5	11.19	Si
36	5X/2Y Ø8/15	1404	-127010	SLV 15	15366	36732	50429	2.5	26.16	-2882	-108448	SLV 9	15029	32257	55356	2.5	11.19	Si
66	5X/2Y Ø8/15	1404	-126878	SLV 15	15366	36732	50429	2.5	26.16	-2882	-108316	SLV 9	15029	32257	55356	2.5	11.19	Si
95	5X/2Y Ø8/15	1404	-126745	SLV 15	15366	36732	50429	2.5	26.16	-2882	-108183	SLV 9	15029	32257	55356	2.5	11.19	Si
125	5X/2Y Ø8/15	1404	-126612	SLV 15	15366	36732	50429	2.5	26.16	-2882	-108050	SLV 9	15029	32257	55356	2.5	11.19	Si
154	5X/2Y Ø8/15	1404	-126481	SLV 15	15366	36732	50429	2.5	26.16	-2882	-107919	SLV 9	15029	32257	55356	2.5	11.19	Si
184	5X/2Y Ø8/15	1404	-126348	SLV 15	15366	36732	50429	2.5	26.16	-2882	-107786	SLV 9	15029	32257	55356	2.5	11.19	Si
213	5X/2Y Ø8/15	1404	-126218	SLV 15	15366	36732	50429	2.5	26.16	-2882	-107656	SLV 9	15029	32257	55356	2.5	11.19	Si
242	5X/2Y Ø8/10	1404	-126083	SLV 15	15366	51792	52691	2.35	36.89	-2882	-107522	SLV 9	15029	48385	55356	2.5	16.79	Si
272	5X/2Y Ø8/10	1404	-125951	SLV 15	15366	51792	52691	2.35	36.89	-2882	-107389	SLV 9	15029	48385	55356	2.5	16.79	Si
301	5X/2Y Ø8/10	1404	-125819	SLV 15	15366	51792	52691	2.35	36.89	-2882	-107257	SLV 9	15029	48385	55356	2.5	16.79	Si
331	5X/2Y Ø8/10	1404	-125686	SLV 15	15366	51792	52691	2.35	36.89	-2882	-107125	SLV 9	15029	48385	55356	2.5	16.79	Si
360	5X/2Y Ø8/10	1404	-125556	SLV 15	15366	51792	52691	2.35	36.89	-2882	-106995	SLV 9	15029	48385	55356	2.5	16.79	Si
380	5X/2Y Ø8/10	2703	-105101	SLV 15	15366	51792	52691	2.35	19.16	2372	-96859	SLV 7	15029	48385	55356	2.5	20.4	Si
409	5X/2Y Ø8/10	2703	-104972	SLV 15	15366	51792	52691	2.35	19.16	2372	-96731	SLV 7	15029	48385	55356	2.5	20.4	Si
438	5X/2Y Ø8/10	2703	-104842	SLV 15	15366	51792	52691	2.35	19.16	2372	-96600	SLV 7	15029	48385	55356	2.5	20.4	Si
467	5X/2Y Ø8/14.4	2703	-104711	SLV 15	15366	38145	50429	2.5	14.11	2372	-96470	SLV 7	15029	33497	55356	2.5	14.12	Si
496	5X/2Y Ø8/14.4	2703	-104581	SLV 15	15366	38145	50429	2.5	14.11	2372	-96339	SLV 7	15029	33497	55356	2.5	14.12	Si
525	5X/2Y Ø8/14.4	2703	-104450	SLV 15	15366	38145	50429	2.5	14.11	2372	-96209	SLV 7	15029	33497	55356	2.5	14.12	Si
554	5X/2Y Ø8/14.4	2703	-104320	SLV 15	15366	38145	50429	2.5	14.11	2372	-96078	SLV 7	15029	33497	55356	2.5	14.12	Si
583	5X/2Y Ø8/14.4	2703	-104189	SLV 15	15366	38145	50429	2.5	14.11	2372	-95948	SLV 7	15029	33497	55356	2.5	14.12	Si
612	5X/2Y Ø8/10	2703	-104059	SLV 15	15366	51792	52691	2.35	19.16	2372	-95817	SLV 7	15029	48385	55356	2.5	20.4	Si
641	5X/2Y Ø8/10	2703	-103928	SLV 15	15366	51792	52691	2.35	19.16	2372	-95687	SLV 7	15029	48385	55356	2.5	20.4	Si
670	5X/2Y Ø8/10	2703	-103800	SLV 15	15366	51792	52691	2.35	19.16	2372	-95559	SLV 7	15029	48385	55356	2.5	20.4	Si
690	5X/2Y Ø8/10	2287	-83154	SLV 15	15366	51792	52691	2.35	22.64	-2750	-73585	SLV 9	15029	48385	54688	2.5	17.6	Si
719	5X/2Y Ø8/10	2287	-83024	SLV 15	15366	51792	52691	2.35	22.64	-2750	-73454	SLV 9	15029	48385	54670	2.5	17.6	Si
748	5X/2Y Ø8/10	2287	-82893	SLV 15	15366	51792	52691	2.35	22.64	-2750	-73324	SLV 9	15029	48385	54651	2.5	17.6	Si
777	5X/2Y Ø8/14.4	2287	-82763	SLV 15	15366	38145	50429	2.5	16.68	-2750	-73193	SLV 9	15029	33497	54633	2.5	12.18	Si
806	5X/2Y Ø8/14.4	2287	-82632	SLV 15	15366	38145	50429	2.5	16.68	-2750	-73063	SLV 9	15029	33497	54615	2.5	12.18	Si
835	5X/2Y Ø8/14.4	2287	-82502	SLV 15	15366	38145	50429	2.5	16.68	-2750	-72932	SLV 9	15029	33497	54596	2.5	12.18	Si
864	5X/2Y Ø8/14.4	2287	-82371	SLV 15	15366	38145	50429	2.5	16.68	-2750	-72802	SLV 9	15029	33497	54578	2.5	12.18	Si
893	5X/2Y Ø8/14.4	2287	-82241	SLV 15	15366	38145	50429	2.5	16.68	-2750	-72671	SLV 9	15029	33497	54559	2.5	12.18	Si
922	5X/2Y Ø8/10	2287	-82110	SLV 15	15366	51792	52691	2.35	22.64	-2750	-72541	SLV 9	15029	48385	54541	2.5	17.6	Si
951	5X/2Y Ø8/10	2287	-81980	SLV 15	15366	51792	52691	2.35	22.64	-2750	-72410	SLV 9	15029	48385	54522	2.5	17.6	Si
980	5X/2Y Ø8/10	2287	-81849	SLV 15	15366	51792	52691	2.35	22.64	-2750	-72280	SLV 9	15029	48385	54504	2.5	17.6	Si
1000	4X/2Y Ø8/10	2105	-63009	SLV 15	15366	44078	48459	2.5	20.94	-2387	-56720	SLV 9	14219	48385	52304	2.5	20.27	Si
1029	4X/2Y Ø8/10	2105	-62881	SLV 15	15366	44078	48442	2.5	20.94	-2387	-56592	SLV 9	14201	48385	52286	2.5	20.27	Si
1058	4X/2Y Ø8/10	2105	-62750	SLV 15	15366	44078	48425	2.5	20.94	-2387	-56461	SLV 9	14183	48385	52267	2.5	20.27	Si
1087	4X/2Y Ø8/14.4	2105	-62620	SLV 15	15363	30516	48408	2.5	14.5	-2387	-56331	SLV 9	14165	33497	52249	2.5	14.03	Si
1116	4X/2Y Ø8/14.4	2105	-62489	SLV 15	15346	30516	48392	2.5	14.5	-2387	-56200	SLV 9	14148	33497	52231	2.5	14.03	Si
1145	4X/2Y Ø8/14.4	2105	-62359	SLV 15	15330	30516	48375	2.5	14.5	-2387	-56070	SLV 9	14130	33497	52212	2.5	14.03	Si
1174	4X/2Y Ø8/14.4	2105	-62228	SLV 15	15314	30516	48358	2.5	14.5	-2387	-55939	SLV 9	14112	33497	52194	2.5	14.03	Si
1203	4X/2Y Ø8/14.4	2105	-62098	SLV 15	15298	30516	48341	2.5	14.5	-2387	-55809	SLV 9	14094	33497	52175	2.5	14.03	Si
1232	4X/2Y Ø8/10	2105	-61967	SLV 15	15281	44078	48324	2.5	20.94	-2387	-55678	SLV 9	14076	48385	52157	2.5	20.27	Si
1261	4X/2Y Ø8/10	2105	-61837	SLV 15	15265	44078	48308	2.5	20.94	-2387	-55548	SLV 9	14058	48385	52138	2.5	20.27	Si
1290	4X/2Y Ø8/10	2105	-61706	SLV 15	15249	44078	48291	2.5	20.94	-2387	-55417	SLV 9	14041	48385	52120	2.5	20.27	Si
1310	4X/2Y Ø8/10	-1955	-37158	SLV 1	12193	44078	45129	2.5	22.55	1935	-36208	SLV 7	11415	48385	49404	2.5	25	Si
1339	4X/2Y Ø8/10	-1955	-37030	SLV 1	12177	44078	45113	2.5	22.55	1935	-36080	SLV 7	11398	48385	49386	2.5	25	Si
1368	4X/2Y Ø8/10	-1955	-36899	SLV 1	12160	44078	45096	2.5	22.55	1935	-35949	SLV 7	11380	48385	49368	2.5	25	Si
1397	4X/2Y Ø8/14.4	-1955	-36769	SLV 1	12144	30516	45079	2.5	15.61	1935	-35819	SLV 7	11362	33497	49349	2.5	17.31	Si
1426	4X/2Y Ø8/14.4	-1955	-36638	SLV 1	12128	30516	45062	2.5	15.61	1935	-35688	SLV 7	11344	33497	49331	2.5	17.31	Si
1455	4X/2Y Ø8/14.4	-1955	-36508	SLV 1	12112	30516	45045	2.5	15.61	1935	-35558	SLV 7	11326	33497	49312	2.5	17.31	Si
1484	4X/2Y Ø8/14.4	-1955	-36377	SLV 1	12095	30516	45029	2.5	15.61	1935	-35427	SLV 7	11309	33497	49294	2.5	17.31	Si
1513	4X/2Y Ø8/14.4	-1955	-36247	SLV 1	12079	30516	45012	2.5	15.61	1935	-35297	SLV 7	11291	33497	49275	2.5	17.31	Si
1542	4X/2Y Ø8/10	-1955	-36116	SLV 1	12063	44078	44995	2.5	22.55	1935	-35166	SLV 7	11273	48385	49257	2.5	25	Si
1571	4X/2Y Ø8/10	-1955	-35986	SLV 1	12047	44078	44978	2.5	22.55	1935	-35036	SLV 7	11255	48385	49238	2.5	25	Si
1600	4X/2Y Ø8/10	-1955	-35857	SLV 1	12031	44078	44962	2.5	22.55	1935	-34907	SLV 7	11238	48385	49220	2.5	25	Si
1620	4X/2Y Ø8/10	2062	-23236	SLV 15	10459	43197	43970	2.45	20.95	-3285	-26167	SLV 9	10043	47417	48687	2.45	14.43	Si
1649	4X/2Y Ø8/10	2062	-23106	SLV 15	10443	43197	43953	2.45	20.95	-3285	-26036	SLV 9	10025	47417	48668	2.45	14.43	Si
1678	4X/2Y Ø8/10	2062	-22975	SLV 15	10427	43197	43936	2.45	20.95	-3285	-25906	SLV 9	10007	47417	48649	2.45	14.43	Si
1707	4X/2Y Ø8/14.4	2062	-22845	SLV 15	10411	30516	43286	2.5	14.8	-3285	-25775	SLV 9	9990	33497	47929	2.5	10.2	Si
1736	4X/2Y Ø8/14.4	2062	-22714	SLV 15	10394	30516	43269	2.5	14.8	-3285	-25645	SLV 9	9972	33497	47911	2.5	10.2	Si
1765	4X/2Y Ø8/14.4	2062	-22584	SLV 15	10378	30516	43252	2.5	14.8	-3285	-25514	SLV 9	9954	33497	47892	2.5	10.2	Si
1794	4X/2Y Ø8/14.4	2062	-22453	SLV 15	10362	30516	43235	2.5	14.8	-3285	-25384	SLV 9	9936	33497	47874	2.5	10.2	Si
1823	4X/2Y Ø8/14.4	2062	-22323	SLV 15	10346	30516	43218	2.5	14.8	-3285	-25253	SLV 9	9918	33497	47855	2.5	10.2	Si
1852	4X/2Y Ø8/10	2062	-22192	SLV 15	10329	43197	43834	2.45	20.95	-3285	-25123	SLV 9	9900	47417	48537	2.45	14.43	Si
1881	4X/2Y Ø8/10	2062	-22062	SLV 15	10313	43197	43817	2.45	20.95	-3285	-24992	SLV 9	9883	47417	48518	2.45	14.43	Si
1910	4X/2Y Ø8/10	2062	-21933	SLV 15	10297	43197	43800	2.45	20.95	-3285	-24864	SLV 9	9865	47417	48500	2.45	14.43	Si
1930	2X/2Y Ø8/10	-1875	-10585	SLV 9	5066	21395	21645	2.45	11.41	2097	-8617	SLV 1	4856	21158	21911	2.4	10.09	Si
1960	2X/2Y Ø8/10	-1875	-10518	SLV 9	5057	21395	21636	2.45	11.41	2097	-8549	SLV 1	4848	21158	21902	2.4	10.09	Si
1990	2X/2Y Ø8/10	-1875	-10450	SLV 9	5049	21395	21627	2.45	11.41	2097	-8482	SLV 1	4839	21158	21893	2.4	10.09	Si
2020	2X/2Y Ø8/10	-1875	-10383	SLV 9	5041	21395	21618	2.45	11.41	2097	-8414	SLV 1	4831	21158	21884	2.4	10.09	Si
2050	2X/2Y Ø8/10	-1875	-10315	SLV 9	5032	21395	21610	2.45	11.41	2097	-8347	SLV 1	4822	21158	21875	2.4	10.09	Si
2080	2X/2Y Ø8/10	-1875	-10248	SLV 9	5024	21395	21601	2.45	11.41	2097	-8279	SLV 1	4814	21158	21866	2.4	10.09	Si
2110	2X/2Y Ø8/10	-1875	-10180	SLV 9	5016	21395	21592	2.45	11.41	2097	-8212	SLV 1	4806	21158	21857	2.4	10.09	Si
2140	2X/2Y Ø8/10	-1875	-10113	SLV 9	5007	21395	21583	2.45	11.41	2097	-8144	SLV 1	4797	21158	21848	2.4	10.09	Si
2170	2X/2Y Ø8/10	-1875	-10045	SLV 9	4999	21395	21575	2.45	11.41	2097	-8077	SLV 1	4789	21158	21839	2.4	10.09	Si
2200	2X/2Y Ø8/10	-1875	-9978	SLV 9	4991	21395	21566	2.45	11.41	2097	-8009	SLV 1	4780	21158	21831	2.4	10.09	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	623	-119188	SLD 15	19266	55098	50429	2.5	80.92	-1308	-111916	SLD 9	19310	48385	55356	2.5	37	Si
-111	5X/2Y Ø8/10	623	-119058	SLD 15	19266	55098	50429	2.5	80.92	-1308	-111786	SLD 9	19310	48385	55356	2.5	37	Si
-81	5X/2Y Ø8/10	623	-118926	SLD 15	19266	55098	50429	2.5	80.92	-1308	-111654	SLD 9	19310	48385	55356	2.5	37	Si
-52	5X/2Y Ø8/10	623	-118793	SLD 15	19266	55098	50429	2.5	80.92	-1308	-111521	SLD 9	19310	48385	55356	2.5	37	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-22	5X/2Y Ø8/15	623	-118661	SLD 15	19266	36732	50429	2.5	58.94	-1308	-111389	SLD 9	19310	32257	55356	2.5	24.66	Si
7	5X/2Y Ø8/15	623	-118529	SLD 15	19266	36732	50429	2.5	58.94	-1308	-111257	SLD 9	19310	32257	55356	2.5	24.66	Si
36	5X/2Y Ø8/15	623	-118396	SLD 15	19266	36732	50429	2.5	58.94	-1308	-111124	SLD 9	19310	32257	55356	2.5	24.66	Si
66	5X/2Y Ø8/15	623	-118264	SLD 15	19266	36732	50429	2.5	58.94	-1308	-110992	SLD 9	19310	32257	55356	2.5	24.66	Si
95	5X/2Y Ø8/15	623	-118132	SLD 15	19266	36732	50429	2.5	58.94	-1308	-110860	SLD 9	19310	32257	55356	2.5	24.66	Si
125	5X/2Y Ø8/15	623	-117998	SLD 15	19266	36732	50429	2.5	58.94	-1308	-110726	SLD 9	19310	32257	55356	2.5	24.66	Si
154	5X/2Y Ø8/15	623	-117867	SLD 15	19266	36732	50429	2.5	58.94	-1308	-110595	SLD 9	19310	32257	55356	2.5	24.66	Si
184	5X/2Y Ø8/15	623	-117735	SLD 15	19266	36732	50429	2.5	58.94	-1308	-110463	SLD 9	19310	32257	55356	2.5	24.66	Si
213	5X/2Y Ø8/15	623	-117604	SLD 15	19266	36732	50429	2.5	58.94	-1308	-110332	SLD 9	19310	32257	55356	2.5	24.66	Si
242	5X/2Y Ø8/10	623	-117470	SLD 15	19266	55098	50429	2.5	80.92	-1308	-110198	SLD 9	19310	48385	55356	2.5	37	Si
272	5X/2Y Ø8/10	623	-117337	SLD 15	19266	55098	50429	2.5	80.92	-1308	-110066	SLD 9	19310	48385	55356	2.5	37	Si
301	5X/2Y Ø8/10	623	-117205	SLD 15	19266	55098	50429	2.5	80.92	-1308	-109933	SLD 9	19310	48385	55356	2.5	37	Si
331	5X/2Y Ø8/10	623	-117073	SLD 15	19266	55098	50429	2.5	80.92	-1308	-109801	SLD 9	19310	48385	55356	2.5	37	Si
360	5X/2Y Ø8/10	623	-116943	SLD 15	19266	55098	50429	2.5	80.92	-1308	-109671	SLD 9	19310	48385	55356	2.5	37	Si
380	5X/2Y Ø8/10	1169	-98431	SLD 15	19266	55098	50429	2.5	43.14	1001	-95153	SLD 7	19310	48385	55356	2.5	48.31	Si
409	5X/2Y Ø8/10	1169	-98303	SLD 15	19266	55098	50429	2.5	43.14	1001	-95025	SLD 7	19310	48385	55356	2.5	48.31	Si
438	5X/2Y Ø8/10	1169	-98173	SLD 15	19266	55098	50429	2.5	43.14	1001	-94894	SLD 7	19310	48385	55356	2.5	48.31	Si
467	5X/2Y Ø8/14.4	1169	-98042	SLD 15	19266	38145	50429	2.5	32.63	1001	-94764	SLD 7	19310	33497	55356	2.5	33.45	Si
496	5X/2Y Ø8/14.4	1169	-97912	SLD 15	19266	38145	50429	2.5	32.63	1001	-94633	SLD 7	19310	33497	55356	2.5	33.45	Si
525	5X/2Y Ø8/14.4	1169	-97781	SLD 15	19266	38145	50429	2.5	32.63	1001	-94503	SLD 7	19310	33497	55356	2.5	33.45	Si
554	5X/2Y Ø8/14.4	1169	-97651	SLD 15	19266	38145	50429	2.5	32.63	1001	-94372	SLD 7	19310	33497	55356	2.5	33.45	Si
583	5X/2Y Ø8/14.4	1169	-97520	SLD 15	19266	38145	50429	2.5	32.63	1001	-94242	SLD 7	19310	33497	55356	2.5	33.45	Si
612	5X/2Y Ø8/10	1169	-97390	SLD 15	19266	55098	50429	2.5	43.14	1001	-94111	SLD 7	19310	48385	55356	2.5	48.31	Si
641	5X/2Y Ø8/10	1169	-97259	SLD 15	19266	55098	50429	2.5	43.14	1001	-93981	SLD 7	19310	48385	55356	2.5	48.31	Si
670	5X/2Y Ø8/10	1169	-97131	SLD 15	19266	55098	50429	2.5	43.14	1001	-93853	SLD 7	19293	48385	55356	2.5	48.31	Si
690	5X/2Y Ø8/10	921	-78312	SLD 15	17316	55098	50429	2.5	54.74	-1089	-74494	SLD 9	16648	48385	54817	2.5	44.44	Si
719	5X/2Y Ø8/10	921	-78181	SLD 15	17300	55098	50413	2.5	54.72	-1089	-74363	SLD 9	16630	48385	54798	2.5	44.44	Si
748	5X/2Y Ø8/10	921	-78051	SLD 15	17284	55098	50396	2.5	54.7	-1089	-74233	SLD 9	16612	48385	54780	2.5	44.44	Si
777	5X/2Y Ø8/14.4	921	-77920	SLD 15	17268	38145	50379	2.5	41.41	-1089	-74102	SLD 9	16594	33497	54761	2.5	30.77	Si
806	5X/2Y Ø8/14.4	921	-77790	SLD 15	17251	38145	50362	2.5	41.41	-1089	-73972	SLD 9	16576	33497	54743	2.5	30.77	Si
835	5X/2Y Ø8/14.4	921	-77659	SLD 15	17235	38145	50345	2.5	41.41	-1089	-73841	SLD 9	16558	33497	54725	2.5	30.77	Si
864	5X/2Y Ø8/14.4	921	-77529	SLD 15	17219	38145	50329	2.5	41.41	-1089	-73711	SLD 9	16541	33497	54706	2.5	30.77	Si
893	5X/2Y Ø8/14.4	921	-77398	SLD 15	17203	38145	50312	2.5	41.41	-1089	-73580	SLD 9	16523	33497	54688	2.5	30.77	Si
922	5X/2Y Ø8/10	921	-77268	SLD 15	17186	55098	50295	2.5	54.59	-1089	-73450	SLD 9	16505	48385	54669	2.5	44.44	Si
951	5X/2Y Ø8/10	921	-77137	SLD 15	17170	55098	50278	2.5	54.58	-1089	-73319	SLD 9	16487	48385	54651	2.5	44.44	Si
980	5X/2Y Ø8/10	921	-77007	SLD 15	17154	55098	50261	2.5	54.56	-1089	-73189	SLD 9	16469	48385	54632	2.5	44.44	Si
1000	4X/2Y Ø8/10	827	-59779	SLD 15	15009	44078	48042	2.5	53.29	-957	-57218	SLD 9	14287	48385	52375	2.5	50.58	Si
1029	4X/2Y Ø8/10	827	-59650	SLD 15	14993	44078	48026	2.5	53.29	-957	-57090	SLD 9	14269	48385	52356	2.5	50.58	Si
1058	4X/2Y Ø8/10	827	-59520	SLD 15	14977	44078	48009	2.5	53.29	-957	-56960	SLD 9	14251	48385	52338	2.5	50.58	Si
1087	4X/2Y Ø8/14.4	827	-59389	SLD 15	14960	30516	47992	2.5	36.89	-957	-56829	SLD 9	14234	33497	52319	2.5	35.02	Si
1116	4X/2Y Ø8/14.4	827	-59259	SLD 15	14944	30516	47976	2.5	36.89	-957	-56699	SLD 9	14216	33497	52301	2.5	35.02	Si
1145	4X/2Y Ø8/14.4	827	-59128	SLD 15	14928	30516	47959	2.5	36.89	-957	-56568	SLD 9	14198	33497	52283	2.5	35.02	Si
1174	4X/2Y Ø8/14.4	827	-58998	SLD 15	14912	30516	47942	2.5	36.89	-957	-56438	SLD 9	14180	33497	52264	2.5	35.02	Si
1203	4X/2Y Ø8/14.4	827	-58867	SLD 15	14895	30516	47925	2.5	36.89	-957	-56307	SLD 9	14162	33497	52246	2.5	35.02	Si
1232	4X/2Y Ø8/10	827	-58737	SLD 15	14879	44078	47908	2.5	53.29	-957	-56177	SLD 9	14144	48385	52227	2.5	50.58	Si
1261	4X/2Y Ø8/10	827	-58606	SLD 15	14863	44078	47891	2.5	53.29	-957	-56046	SLD 9	14126	48385	52209	2.5	50.58	Si
1290	4X/2Y Ø8/10	827	-58476	SLD 15	14847	44078	47875	2.5	53.29	-957	-55916	SLD 9	14109	48385	52190	2.5	50.58	Si
1310	4X/2Y Ø8/10	-808	-38419	SLD 1	12350	44078	45292	2.5	54.55	840	-38070	SLD 7	11670	48385	49667	2.5	57.61	Si
1339	4X/2Y Ø8/10	-808	-38291	SLD 1	12334	44078	45275	2.5	54.55	840	-37942	SLD 7	11652	48385	49649	2.5	57.61	Si
1368	4X/2Y Ø8/10	-808	-38160	SLD 1	12317	44078	45258	2.5	54.55	840	-37812	SLD 7	11634	48385	49631	2.5	57.61	Si
1397	4X/2Y Ø8/14.4	-808	-38030	SLD 1	12301	30516	45241	2.5	37.77	840	-37681	SLD 7	11617	33497	49612	2.5	39.88	Si
1426	4X/2Y Ø8/14.4	-808	-37899	SLD 1	12285	30516	45225	2.5	37.77	840	-37551	SLD 7	11599	33497	49594	2.5	39.88	Si
1455	4X/2Y Ø8/14.4	-808	-37769	SLD 1	12269	30516	45208	2.5	37.77	840	-37420	SLD 7	11581	33497	49575	2.5	39.88	Si
1484	4X/2Y Ø8/14.4	-808	-37638	SLD 1	12252	30516	45191	2.5	37.77	840	-37290	SLD 7	11563	33497	49557	2.5	39.88	Si
1513	4X/2Y Ø8/14.4	-808	-37508	SLD 1	12236	30516	45174	2.5	37.77	840	-37159	SLD 7	11545	33497	49539	2.5	39.88	Si
1542	4X/2Y Ø8/10	-808	-37377	SLD 1	12220	44078	45157	2.5	54.55	840	-37029	SLD 7	11527	48385	49520	2.5	57.61	Si
1571	4X/2Y Ø8/10	-808	-37247	SLD 1	12204	44078	45141	2.5	54.55	840	-36898	SLD 7	11510	48385	49502	2.5	57.61	Si
1600	4X/2Y Ø8/10	-808	-37119	SLD 1	12188	44078	45124	2.5	54.55	840	-36770	SLD 7	11492	48385	49484	2.5	57.61	Si
1620	4X/2Y Ø8/10	885	-22733	SLD 15	10397	44078	43271	2.5	48.9	-1782	-23917	SLD 9	9736	48385	47666	2.5	26.74	Si
1649	4X/2Y Ø8/10	885	-22602	SLD 15	10380	44078	43254	2.5	48.88	-1782	-23786	SLD 9	9718	48385	47648	2.5	26.73	Si
1678	4X/2Y Ø8/10	885	-22472	SLD 15	10364	44078	43238	2.5	48.86	-1782	-23656	SLD 9	9700	48385	47630	2.5	26.72	Si
1707	4X/2Y Ø8/14.4	885	-22341	SLD 15	10348	30516	43221	2.5	34.49	-1782	-23525	SLD 9	9682	33497	47611	2.5	18.79	Si
1736	4X/2Y Ø8/14.4	885	-22211	SLD 15	10332	30516	43204	2.5	34.49	-1782	-23395	SLD 9	9664	33497	47593	2.5	18.79	Si
1765	4X/2Y Ø8/14.4	885	-22080	SLD 15	10315	30516	43187	2.5	34.49	-1782	-23264	SLD 9	9646	33497	47574	2.5	18.79	Si
1794	4X/2Y Ø8/14.4	885	-21950	SLD 15	10299	30516	43170	2.5	34.49	-1782	-23134	SLD 9	9629	33497	47556	2.5	18.79	Si
1823	4X/2Y Ø8/14.4	885	-21819	SLD 15	10283	30516	43154	2.5	34.49	-1782	-23003	SLD 9	9611	33497	47537	2.5	18.79	Si
1852	4X/2Y Ø8/10	885	-21689	SLD 15	10267	44078	43137	2.5	48.75	-1782	-22873	SLD 9	9593	48385	47519	2.5	26.66	Si
1881	4X/2Y Ø8/10	885	-21558	SLD 15	10250	44078	43120	2.5	48.73	-1782	-22742	SLD 9	9575	48385	47500	2.5	26.65	Si
1910	4X/2Y Ø8/10	885	-21430	SLD 15	10234	44078	43103	2.5	48.71	-1782	-22614	SLD 9	9558	48385	47482	2.5	26.64	Si
1930	2X/2Y Ø8/10	-981	-9685	SLD 9	4955	21832	21218	2.5	21.62	1483	-8818	SLD 1	4881	22039	21307	2.5	14.37	Si
1960	2X/2Y Ø8/10	-981	-9618	SLD 9	4946	21832	21209	2.5	21.61	1483	-8750	SLD 1	4873	22039	21299	2.5	14.37	Si
1990	2X/2Y Ø8/10	-981	-9550	SLD 9	4938	21832	21200	2.5	21.6	1483	-8683	SLD 1	4864	22039	21290	2.5	14.36	Si
2020	2X/2Y Ø8/10	-981	-9483	SLD 9	4930	21832	21192	2.5	21.59	1483	-8615	SLD 1	4856	22039	21281	2.5	14.35	Si
2050	2X/2Y Ø8/10	-981	-9415	SLD 9	4921	21832	21183	2.5	21.58	1483	-8548	SLD 1	4847	22039	21273	2.5	14.35	Si
2080	2X/2Y Ø8/10	-981	-9348	SLD 9	4913	21832	21175	2.5	21.57	1483	-8480	SLD 1	4839	22039	21264	2.5	14.34	Si
2110	2X/2Y Ø8/10	-981	-9280	SLD 9	4905	21832	21166	2.5	21.57	1483	-8413	SLD 1	4831	22039	21255	2.5	14.34	Si
2140	2X/2Y Ø8/10	-981	-9213	SLD 9	4896	21832	21157	2.5	21.56	1483	-8345	SLD 1	4822	22039	21247	2.5	14.33	Si
2170	2X/2Y Ø8/10	-981	-9145	SLD 9	4888	21832	21149	2.5	21.55	1483	-8278	SLD 1	4814	22039	21238	2.5	14.33	Si
2200	2X/2Y Ø8/10	-981	-9078	SLD 9	4880	21832	21140	2.5	21.54	1483	-8210	SLD 1	4805	22039	21229	2.5	14.32	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	133673	-36239	-133528	SLE RA 12	-73.2	133673	-36239	-133528	SLE RA 12	-1063.2	Si
-111	124002	-31835	-133398	SLE RA 12	-72.3	124002	-31835	-133398	SLE RA 12	-1052.7	Si
-81	114163	-27355	-133265	SLE RA 12	-71.3	114163	-27355	-133265	SLE RA 12	-1042.1	Si
-52	104324	-22876	-133133	SLE RA 12	-70.4	104324	-22876	-133133	SLE RA 12	-1031.4	Si
-22	94486	-18396	-133001	SLE RA 12	-69.4	94486	-18396	-133001	SLE RA 12	-1020.7	Si
7	84647	-13916	-132868	SLE RA 12	-68.5	84647	-13916	-132868	SLE RA 12	-1010.1	Si
36	74808	-9437	-132736	SLE RA 12	-67.6	74808	-9437	-132736	SLE RA 12	-999.4	Si
66	64969	-4957	-132604	SLE RA 12	-66.6	64969	-4957	-132604	SLE RA 12	-988.8	Si
95	54581	1704	-132649	SLE RA 13	-65.9	54581	1704	-132649	SLE RA 13	-980.2	Si
125	45193	4047	-132337	SLE RA 12	-65.5	45193	4047	-132337	SLE RA 12	-974.5	Si
154	35453	8482	-132206	SLE RA 12	-65.4	35453	8482	-132206	SLE RA 12	-971.8	Si
184	25614	12961	-132074	SLE RA 12	-65.2	25614	12961	-132074	SLE RA 12	-969.1	Si
213	15923	17374	-131944	SLE RA 12	-65.1	15923	17374	-131944	SLE RA 12	-966.4	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
242	5936	21921	-131809	SLE RA 12	-65	5936	21921	-131809	SLE RA 12	-963.6	Si
272	-3903	26400	-131677	SLE RA 12	-65.3	-3903	26400	-131677	SLE RA 12	-965.5	Si
301	-13741	30880	-131545	SLE RA 12	-66.1	-13741	30880	-131545	SLE RA 12	-974.2	Si
331	-23580	35360	-131412	SLE RA 12	-66.9	-23580	35360	-131412	SLE RA 12	-983	Si
360	-33252	39763	-131282	SLE RA 12	-67.7	-33252	39763	-131282	SLE RA 12	-991.6	Si
380	-24669	-52450	-111449	SLE RA 13	-59	-24669	-52450	-111449	SLE RA 13	-856.2	Si
409	-18982	-42937	-111321	SLE RA 13	-57.8	-18982	-42937	-111321	SLE RA 13	-843.6	Si
438	-13195	-33258	-111191	SLE RA 13	-56.6	-13195	-33258	-111191	SLE RA 13	-830.7	Si
467	-7408	-23578	-111060	SLE RA 13	-55.4	-7408	-23578	-111060	SLE RA 13	-817.9	Si
496	-1621	-13899	-110930	SLE RA 13	-54.1	-1621	-13899	-110930	SLE RA 13	-805	Si
525	13954	-1780	-110439	SLE RA 12	-53.4	13954	-1780	-110439	SLE RA 12	-798	Si
554	17799	7264	-110309	SLE RA 12	-54	17799	7264	-110309	SLE RA 12	-804.1	Si
583	21644	16307	-110178	SLE RA 12	-54.9	21644	16307	-110178	SLE RA 12	-813.5	Si
612	25490	25351	-110048	SLE RA 12	-55.9	25490	25351	-110048	SLE RA 12	-822.8	Si
641	27315	34498	-110277	SLE RA 13	-56.9	27315	34498	-110277	SLE RA 13	-833.6	Si
670	33002	44011	-110149	SLE RA 13	-58	33002	44011	-110149	SLE RA 13	-844.4	Si
690	7743	-24712	-89064	SLE RA 12	-45	7743	-24712	-89064	SLE RA 12	-662.1	Si
719	6619	-20694	-88934	SLE RA 12	-44.5	6619	-20694	-88934	SLE RA 12	-656.9	Si
748	5496	-16676	-88803	SLE RA 12	-44	83	-17594	-89100	SLE RA 13	-651.9	Si
777	344	-13220	-88969	SLE RA 13	-43.6	344	-13220	-88969	SLE RA 13	-647.1	Si
806	605	-8845	-88839	SLE RA 13	-43.1	605	-8845	-88839	SLE RA 13	-642.3	Si
835	866	-4470	-88708	SLE RA 13	-42.7	866	-4470	-88708	SLE RA 13	-637.6	Si
864	1127	-96	-88578	SLE RA 13	-42.2	1127	-96	-88578	SLE RA 13	-633	Si
893	1388	4279	-88447	SLE RA 13	-42.5	1388	4279	-88447	SLE RA 13	-635.9	Si
922	1649	8654	-88317	SLE RA 13	-42.9	1649	8654	-88317	SLE RA 13	-639	Si
951	1910	13028	-88186	SLE RA 13	-43.2	1910	13028	-88186	SLE RA 13	-642.1	Si
980	2171	17403	-88056	SLE RA 13	-43.6	2171	17403	-88056	SLE RA 13	-645.1	Si
1000	17188	-13985	-69066	SLE RA 13	-35	17188	-13985	-69066	SLE RA 13	-515.4	Si
1029	16595	-11264	-68937	SLE RA 13	-34.6	16595	-11264	-68937	SLE RA 13	-511.7	Si
1058	15993	-8495	-68807	SLE RA 13	-34.3	15993	-8495	-68807	SLE RA 13	-508	Si
1087	15390	-5726	-68676	SLE RA 13	-33.9	15390	-5726	-68676	SLE RA 13	-504.2	Si
1116	14787	-2957	-68546	SLE RA 13	-33.6	14787	-2957	-68546	SLE RA 13	-500.5	Si
1145	14184	-188	-68415	SLE RA 13	-33.2	14184	-188	-68415	SLE RA 13	-496.8	Si
1174	13582	2580	-68285	SLE RA 13	-33.4	13582	2580	-68285	SLE RA 13	-497.6	Si
1203	12979	5349	-68154	SLE RA 13	-33.5	12979	5349	-68154	SLE RA 13	-498.8	Si
1232	12376	8118	-68024	SLE RA 13	-33.7	12376	8118	-68024	SLE RA 13	-499.9	Si
1261	11773	10887	-67893	SLE RA 13	-33.9	11773	10887	-67893	SLE RA 13	-501.1	Si
1290	11171	13656	-67763	SLE RA 13	-34	11171	13656	-67763	SLE RA 13	-502.3	Si
1310	-7346	-13949	-47943	SLE RA 13	-24.4	-7346	-13949	-47943	SLE RA 13	-358.8	Si
1339	-3209	-12807	-47815	SLE RA 13	-24.1	-3209	-12807	-47815	SLE RA 13	-354.5	Si
1368	1071	-12273	-47557	SLE RA 12	-23.8	1001	-11645	-47685	SLE RA 13	-351.2	Si
1397	5210	-10483	-47554	SLE RA 13	-23.8	5210	-10483	-47554	SLE RA 13	-351.7	Si
1426	9420	-9321	-47424	SLE RA 13	-23.9	9420	-9321	-47424	SLE RA 13	-352.2	Si
1455	13630	-8159	-47293	SLE RA 13	-23.9	13630	-8159	-47293	SLE RA 13	-352.7	Si
1484	17839	-6997	-47163	SLE RA 13	-23.9	17839	-6997	-47163	SLE RA 13	-353.2	Si
1513	22049	-5835	-47032	SLE RA 13	-24	22049	-5835	-47032	SLE RA 13	-353.7	Si
1542	26258	-4673	-46902	SLE RA 13	-24	26258	-4673	-46902	SLE RA 13	-354.2	Si
1571	30468	-3511	-46771	SLE RA 13	-24	30468	-3511	-46771	SLE RA 13	-354.7	Si
1600	34605	-2369	-46643	SLE RA 13	-24	34605	-2369	-46643	SLE RA 13	-355.2	Si
1620	67264	-19989	-28256	SLE RA 12	-18.5	67264	-19989	-28256	SLE RA 12	-258.6	Si
1649	39834	-15534	-28126	SLE RA 12	-16.7	39834	-15534	-28126	SLE RA 12	-237.7	Si
1678	12403	-11078	-27995	SLE RA 12	-14.9	12443	-10708	-28061	SLE RA 13	-217	Si
1707	-14443	-6585	-27931	SLE RA 13	-14.6	-14443	-6585	-27931	SLE RA 13	-213.6	Si
1736	-41329	-2463	-27800	SLE RA 13	-15.4	-41329	-2463	-27800	SLE RA 13	-224.7	Si
1765	-69888	2289	-27604	SLE RA 12	-16.7	-69888	2289	-27604	SLE RA 12	-239.9	Si
1794	-97319	6744	-27473	SLE RA 12	-18.3	-97319	6744	-27473	SLE RA 12	-258.9	Si
1823	-124749	11200	-27343	SLE RA 12	-19.9	-124749	11200	-27343	SLE RA 12	-277.9	Si
1852	-152179	15655	-27212	SLE RA 12	-21.6	-152179	15655	-27212	SLE RA 12	-297	Si
1881	-179610	20111	-27082	SLE RA 12	-23.2	-179610	20111	-27082	SLE RA 12	-316	Si
1910	-206567	24490	-26954	SLE RA 12	-23.5	-206567	24490	-26954	SLE RA 12	-311.8	Si
1930	-113987	13172	-10167	SLE RA 10	-42.6	-113987	13172	-10167	SLE RA 10	-410	Si
1960	-79983	8522	-11817	SLE RA 8	-28.8	-79983	8522	-11817	SLE RA 8	-340.5	Si
1990	-45932	3801	-11749	SLE RA 8	-19.7	-45932	3801	-11749	SLE RA 8	-248.7	Si
2020	-11880	-920	-11682	SLE RA 8	-13.1	-11880	-920	-11682	SLE RA 8	-184.1	Si
2050	23396	-4937	-11626	SLE RA 9	-15.8	23396	-4937	-11626	SLE RA 9	-210.5	Si
2080	56967	-9802	-11558	SLE RA 9	-22.6	56967	-9802	-11558	SLE RA 9	-276	Si
2110	92058	-17413	-10871	SLE RA 12	-29.7	90274	-15083	-11479	SLE RA 8	-341.6	Si
2140	127035	-22545	-10804	SLE RA 12	-44.3	127035	-22545	-10804	SLE RA 12	-455.2	Si
2170	162013	-27677	-10736	SLE RA 12	-57	155551	-28753	-9627	SLE RA 10	589.5	Si
2200	196991	-32809	-10669	SLE RA 12	-69.7	189244	-33994	-9559	SLE RA 10	862.3	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²

Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	112310	-28453	-113631	SLE QP 2	-62	Si
-111	104183	-25127	-113500	SLE QP 2	-61.2	Si
-81	95916	-21743	-113368	SLE QP 2	-60.5	Si
-52	87649	-18359	-113236	SLE QP 2	-59.7	Si
-22	79382	-14975	-113103	SLE QP 2	-58.9	Si
7	71115	-11592	-112971	SLE QP 2	-58.2	Si
36	62848	-8208	-112839	SLE QP 2	-57.4	Si
66	54581	-4824	-112706	SLE QP 2	-56.7	Si
95	46314	-1440	-112574	SLE QP 2	-55.9	Si
125	37964	1977	-112440	SLE QP 2	-55.5	Si
154	29779	5327	-112309	SLE QP 2	-55.3	Si
184	21512	8711	-112177	SLE QP 2	-55.2	Si
213	13369	12044	-112047	SLE QP 2	-55	Si
242	4978	15479	-111912	SLE QP 2	-54.9	Si
272	-3289	18863	-111780	SLE QP 2	-55.1	Si
301	-11556	22246	-111647	SLE QP 2	-55.7	Si
331	-19823	25630	-111515	SLE QP 2	-56.3	Si
360	-27950	28956	-111385	SLE QP 2	-57	Si
380	-6965	-27331	-94071	SLE QP 2	-47.6	Si
409	-3484	-22080	-93943	SLE QP 2	-46.9	Si
438	57	-16737	-93812	SLE QP 2	-46.2	Si
467	3599	-11394	-93682	SLE QP 2	-45.8	Si
496	7141	-6050	-93551	SLE QP 2	-45.4	Si
525	10682	-707	-93421	SLE QP 2	-45	Si
554	14224	4636	-93290	SLE QP 2	-45.5	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
583	17766	9979	-93160	SLE QP 2	-46.1	Si
612	21307	15322	-93029	SLE QP 2	-46.7	Si
641	24849	20666	-92899	SLE QP 2	-47.3	Si
670	28330	25917	-92770	SLE QP 2	-47.9	Si
690	5454	-10864	-75065	SLE QP 2	-37	Si
719	4715	-9500	-74934	SLE QP 2	-36.7	Si
748	3976	-8136	-74804	SLE QP 2	-36.5	Si
777	3237	-6773	-74673	SLE QP 2	-36.3	Si
806	2497	-5409	-74543	SLE QP 2	-36.1	Si
835	1758	-4045	-74412	SLE QP 2	-35.9	Si
864	1019	-2681	-74282	SLE QP 2	-35.6	Si
893	280	-1317	-74151	SLE QP 2	-35.4	Si
922	-460	47	-74021	SLE QP 2	-35.2	Si
951	-1199	1411	-73890	SLE QP 2	-35.3	Si
980	-1938	2775	-73760	SLE QP 2	-35.4	Si
1000	15231	-775	-57530	SLE QP 2	-28.2	Si
1029	14240	-667	-57402	SLE QP 2	-28	Si
1058	13230	-557	-57271	SLE QP 2	-27.9	Si
1087	12221	-447	-57141	SLE QP 2	-27.8	Si
1116	11212	-338	-57010	SLE QP 2	-27.7	Si
1145	10203	-228	-56880	SLE QP 2	-27.6	Si
1174	9194	-118	-56749	SLE QP 2	-27.4	Si
1203	8185	-8	-56619	SLE QP 2	-27.3	Si
1232	7175	102	-56488	SLE QP 2	-27.2	Si
1261	6166	212	-56358	SLE QP 2	-27.1	Si
1290	5157	322	-56227	SLE QP 2	-27	Si
1310	-6547	-3338	-39349	SLE QP 2	-19.3	Si
1339	-3356	-4126	-39221	SLE QP 2	-19.2	Si
1368	-108	-4929	-39090	SLE QP 2	-19.1	Si
1397	3139	-5732	-38960	SLE QP 2	-19.2	Si
1426	6387	-6535	-38829	SLE QP 2	-19.4	Si
1455	9634	-7337	-38699	SLE QP 2	-19.5	Si
1484	12881	-8140	-38568	SLE QP 2	-19.7	Si
1513	16129	-8943	-38438	SLE QP 2	-19.9	Si
1542	19376	-9745	-38307	SLE QP 2	-20	Si
1571	22624	-10548	-38177	SLE QP 2	-20.2	Si
1600	25815	-11337	-38049	SLE QP 2	-20.4	Si
1620	52083	-9448	-22348	SLE QP 2	-14	Si
1649	30436	-7024	-22217	SLE QP 2	-12.7	Si
1678	8789	-4599	-22087	SLE QP 2	-11.3	Si
1707	-12858	-2175	-21956	SLE QP 2	-11.3	Si
1736	-34505	249	-21826	SLE QP 2	-12	Si
1765	-56152	2673	-21695	SLE QP 2	-13.2	Si
1794	-77799	5097	-21565	SLE QP 2	-14.4	Si
1823	-99446	7522	-21434	SLE QP 2	-15.6	Si
1852	-121093	9946	-21304	SLE QP 2	-16.8	Si
1881	-142740	12370	-21173	SLE QP 2	-18	Si
1910	-164014	14752	-21045	SLE QP 2	-18.1	Si
1930	-96267	12375	-8995	SLE QP 2	-28.1	Si
1960	-67735	7840	-8928	SLE QP 2	-23.4	Si
1990	-39203	3304	-8860	SLE QP 2	-15.8	Si
2020	-10671	-1231	-8793	SLE QP 2	-10.3	Si
2050	17862	-5766	-8725	SLE QP 2	-12.3	Si
2080	46394	-10302	-8658	SLE QP 2	-18.2	Si
2110	74926	-14837	-8590	SLE QP 2	-24	Si
2140	103458	-19373	-8523	SLE QP 2	-36.4	Si
2170	131990	-23908	-8455	SLE QP 2	-47	Si
2200	160522	-28444	-8388	SLE QP 2	-57.5	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

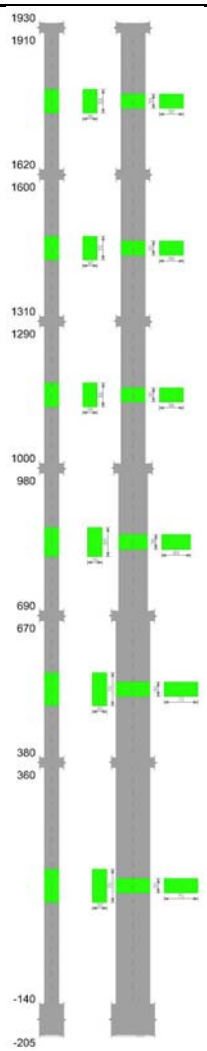
Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 2220 in quanto elemento di estremità superiore alla pilastrata.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.

Pilastro 14

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x70	No	No	No	No		C30/37	B450C	
380	670	R 30x70	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	
1620	1910	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.67	-29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.67	29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.67	29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	-18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	-6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	-18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	-6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.2	-9.67	-29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.67	-29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.67	29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.67	29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	-18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	-6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	-18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	-6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	18.42	1.6	2.011	-140	380	R 30x70	B450C
p.3	-9.67	-29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	9.67	-29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	9.67	29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	-9.67	29.67	1.6	2.011	380	690	R 30x70	B450C
p.5	-9.9	-18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	-9.9	18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	9.9	-18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	9.9	18.42	1.6	2.011	380	690	R 30x70	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	-9.9	-6.14	1.6	2.011	380	690	R 30x70	B450C
p.6	-9.9	6.14	1.6	2.011	380	690	R 30x70	B450C
p.6	9.9	-6.14	1.6	2.011	380	690	R 30x70	B450C
p.6	9.9	6.14	1.6	2.011	380	690	R 30x70	B450C
p.7	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.7	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.9	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.9	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.9	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.9	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.10	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.10	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.11	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.12	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.12	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.13	-9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.13	9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.13	9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.13	-9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.14	-9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.14	-9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.14	9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.14	9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	2.3	0	1,2	705287	705287	-260014	967634	967634	SLU 51	1.372	Si
-111	24.13	2.3	0	1,2	704752	704752	-259816	967634	967634	SLU 51	1.373	Si
-81	24.13	1.1	0	2	704208	704208	-259616	967634	967634	SLU 51	1.374	Si
-52	24.13	1.1	0	2	703663	703663	-259415	967634	967634	SLU 51	1.375	Si
-22	24.13	1.1	0	2	703119	703119	-259214	967634	967634	SLU 51	1.376	Si
7	24.13	1.1	0	2	702574	702574	-259014	967634	967634	SLU 51	1.377	Si
36	24.13	1.1	0	2	702030	702030	-258813	967634	967634	SLU 51	1.378	Si
66	24.13	1.1	0	2	701485	701485	-258612	967634	967634	SLU 51	1.379	Si
95	24.13	1.1	0	2	700941	-700941	-258411	967634	-967634	SLU 51	1.38	Si
125	24.13	1.1	0	2	700391	-700391	-258209	967634	-967634	SLU 51	1.382	Si
154	24.13	1.1	0	2	699852	-699852	-258010	967634	-967634	SLU 51	1.383	Si
184	24.13	1.1	0	2	699307	-699307	-257809	967634	-967634	SLU 51	1.384	Si
213	24.13	1.1	0	2	698771	-698771	-257611	967634	-967634	SLU 51	1.385	Si
242	24.13	1.1	0	2	-698218	-698218	-257408	-967634	-967634	SLU 51	1.386	Si
272	24.13	1.1	0	2	-697674	-697674	-257207	-967634	-967634	SLU 51	1.387	Si
301	24.13	1.1	0	2	-697129	-697129	-257006	-967634	-967634	SLU 51	1.388	Si
331	24.13	1.1	0	2	-696585	-696585	-256805	-967634	-967634	SLU 51	1.389	Si
360	24.13	1.1	0	2	-696050	-696050	-256608	-967634	-967634	SLU 51	1.39	Si
380	24.13	2.3	0	2,3,5,6	-443797	443797	-221899	-763108	763108	SLU 51	1.719	Si
409	24.13	2.3	0	2,3,5,6	-443408	443408	-221704	-763108	763108	SLU 51	1.721	Si
438	24.13	1.1	0	3,5,6	-443012	443012	-221506	-763108	763108	SLU 51	1.723	Si
467	24.13	1.1	0	3,5,6	-442617	442617	-221308	-763108	763108	SLU 51	1.724	Si
496	24.13	1.1	0	3,5,6	-442221	442221	-221110	-763108	763108	SLU 51	1.726	Si
525	24.13	1.1	0	3,5,6	-441825	441825	-220912	-763108	763108	SLU 51	1.727	Si
554	24.13	1.1	0	3,5,6	-441429	-441429	-220714	-763108	-763108	SLU 51	1.729	Si
583	24.13	1.1	0	3,5,6	-441033	-441033	-220517	-763108	-763108	SLU 51	1.73	Si
612	24.13	1.1	0	3,5,6	-440637	-440637	-220319	-763108	-763108	SLU 51	1.732	Si
641	24.39	1.5	0	3,4,5,6	440241	-440241	-220121	764835	-764835	SLU 51	1.737	Si
670	31.44	1.9	0	3,4,5,6	439846	-439846	-219923	811233	-811233	SLU 51	1.844	Si
690	24.13	2.5	0	4,5,6,7,9,10	-368884	368884	-184442	-673235	673235	SLU 51	1.825	Si
719	21.83	2.5	0	4,5,6,7,9,10	-368551	368551	-184275	-658510	658510	SLU 51	1.787	Si
748	20.11	1.1	0	7,9,10	-368211	368211	-184106	-647491	647491	SLU 51	1.758	Si
777	20.11	1.1	0	7,9,10	367872	367872	-183936	647491	647491	SLU 51	1.76	Si
806	20.11	1.1	0	7,9,10	367533	367533	-183766	647491	647491	SLU 51	1.762	Si
835	20.11	1.1	0	7,9,10	367193	-367193	-183597	647491	-647491	SLU 51	1.763	Si
864	20.11	1.1	0	7,9,10	366854	-366854	-183427	647491	-647491	SLU 51	1.765	Si
893	20.11	1.1	0	7,9,10	366515	-366515	-183257	647491	-647491	SLU 51	1.767	Si
922	20.11	1.1	0	7,9,10	366176	-366176	-183088	647491	-647491	SLU 51	1.768	Si
951	20.37	1.6	0	7,8,9,10	365836	-365836	-182918	649217	-649217	SLU 51	1.775	Si
980	27.42	2	0	7,8,9,10	365503	-365503	-182751	695580	-695580	SLU 51	1.903	Si
1000	20.11	2.4	0	8,9,10,11	-297861	297861	-148930	-556148	556148	SLU 51	1.867	Si
1029	17.8	2.4	0	8,9,10,11	-297578	297578	-148789	-541580	541580	SLU 51	1.82	Si
1058	16.08	1.1	0	11	-297295	297295	-148648	-530708	530708	SLU 51	1.785	Si
1087	16.08	1.1	0	11	-297013	297013	-148506	-530708	530708	SLU 51	1.787	Si
1116	16.08	1.1	0	11	296730	296730	-148365	530708	530708	SLU 51	1.789	Si
1145	16.08	1.1	0	11	296447	296447	-148224	530708	530708	SLU 51	1.79	Si
1174	16.08	1.1	0	11	296164	-296164	-148082	530708	-530708	SLU 51	1.792	Si
1203	16.08	1.1	0	11	295882	-295882	-147941	530708	-530708	SLU 51	1.794	Si
1232	16.08	1.1	0	11	295599	-295599	-147799	530708	-530708	SLU 51	1.795	Si
1261	16.08	1.1	0	11	295316	-295316	-147658	530708	-530708	SLU 51	1.797	Si
1290	16.08	1.1	0	11	295033	-295033	-147517	530708	-530708	SLU 51	1.799	Si
1310	16.08	2.1	0	11,12	-224969	224969	-112484	-530708	530708	SLU 51	2.359	Si
1339	16.08	2.1	0	11,12	-224691	224691	-112346	-530708	530708	SLU 51	2.362	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1368	16.08	1.1	0	12	-224408	224408	-112204	-530708	530708	SLU 51	2.365	Si
1397	16.08	1.1	0	12	-224126	224126	-112063	-530708	530708	SLU 51	2.368	Si
1426	16.08	1.1	0	12	-223843	223843	-111921	-530708	530708	SLU 51	2.371	Si
1455	16.08	1.1	0	12	223560	-223560	-111780	530708	-530708	SLU 51	2.374	Si
1484	16.08	1.1	0	12	223277	-223277	-111639	530708	-530708	SLU 51	2.377	Si
1513	16.08	1.1	0	12	222995	-222995	-111497	530708	-530708	SLU 51	2.38	Si
1542	16.08	1.1	0	12	222712	-222712	-111356	530708	-530708	SLU 51	2.383	Si
1571	16.08	1.1	0	12	222429	-222429	-111215	530708	-530708	SLU 51	2.386	Si
1600	16.08	1.1	0	12	222146	-222146	-111073	530708	-530708	SLU 51	2.389	Si
1620	16.08	2.1	0	12,13,14	-154440	154440	-77220	-530708	530708	SLU 51	3.436	Si
1649	16.08	2.1	0	12,13,14	-154162	154162	-77081	-530708	530708	SLU 51	3.443	Si
1678	16.08	1.1	0	13,14	-153879	153879	-76940	-530708	530708	SLU 51	3.449	Si
1707	16.08	1.1	0	13,14	153596	153596	-76798	530708	530708	SLU 51	3.455	Si
1736	16.08	1.1	0	13,14	153314	153314	-76657	530708	530708	SLU 51	3.462	Si
1765	16.08	1.1	0	13,14	153031	-153031	-76515	530708	-530708	SLU 51	3.468	Si
1794	16.08	1.1	0	13,14	178803	-152727	-76364	614868	-525198	SLU 52	3.439	Si
1823	16.08	1.1	0	13,14	232160	-152445	-76222	780024	-512193	SLU 52	3.36	Si
1852	16.08	1.1	0	13,14	285516	-152162	-76081	933176	-497323	SLU 52	3.268	Si
1881	16.08	1.1	0	13,14	338872	-180220	-75940	1048517	-557624	SLU 52	3.094	Si
1910	16.08	1.1	0	13,14	391309	-216403	-75801	1136418	-628466	SLU 52	2.904	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	24.13	2.3	0	1,2	2354669	-232403	-160759	-2.02	1.92	3176969	-313563	SLV 15	1.349				Si
-111	24.13	2.3	0	1,2	2174095	-211593	-160607	-2.02	1.92	3101542	-301856	SLV 15	1.427				Si
-81	24.13	1.1	0	2	1990420	-190424	-160452	-2.02	1.92	3004417	-287433	SLV 15	1.509				Si
-52	24.13	1.1	0	2	1806777	-169256	-160298	-2.02	1.92	2882542	-270033	SLV 15	1.595				Si
-22	24.13	1.1	0	2	1623177	-148092	-160144	-2.02	1.92	2735032	-249533	SLV 15	1.685				Si
7	24.13	1.1	0	2	1439633	-126931	-159989	-2.02	1.92	2559411	-225661	SLV 15	1.778				Si
36	24.13	1.1	0	2	1256170	-105777	-159835	-2.02	1.92	2355639	-198358	SLV 15	1.875				Si
66	24.13	1.1	0	2	1072840	-84635	-159680	-2.02	1.92	2126040	-167721	SLV 15	1.982				Si
95	24.13	1.1	0	2	889712	-63522	-159526	-2.02	1.92	1869027	-133442	SLV 15	2.101				Si
125	24.13	1.1	0	2	705099	-42280	-159370	-2.02	1.92	1576599	-94539	SLV 15	2.236				Si
154	24.13	1.1	0	2	524954	-22258	-159217	-2.02	1.92	1251923	-53081	SLV 15	2.385				Si
184	24.13	1.1	0	2	264444	-24401	-159798	-2.02	1.92	640055	-59059	SLV 13	2.42				Si
213	24.13	1.1	0	2	133499	-49045	-159646	-2.02	1.92	323425	-118821	SLV 13	2.423				Si
242	24.13	1.1	0	2	-71495	-76076	-159489	-2.02	1.92	-173379	-184489	SLV 13	2.425				Si
272	24.13	1.1	0	2	-235518	-102794	-159335	-2.02	1.92	-571700	-249524	SLV 13	2.427				Si
301	24.13	1.1	0	2	-409527	-129542	-159180	-2.02	1.92	-954418	-301902	SLV 13	2.331				Si
331	24.13	1.1	0	2	-483945	-156303	-159026	-2.02	1.92	-1088394	-351526	SLV 13	2.249				Si
360	24.13	1.1	0	2	-596843	-182616	-158874	-2.02	1.92	-1284049	-392880	SLV 13	2.151				Si
380	24.13	2.3	0	2,3,5,6	-347076	401361	-135512	-2.02	1.92	-781189	903372	SLV 5	2.251				Si
409	24.13	2.3	0	2,3,5,6	-282623	326538	-135362	-2.02	1.92	-679243	784785	SLV 5	2.403				Si
438	24.13	1.1	0	3,5,6	-221215	250431	-135210	-2.02	1.92	-570340	645665	SLV 5	2.578				Si
467	24.13	1.1	0	3,5,6	-170581	174394	-135058	-2.02	1.92	-472751	483317	SLV 5	2.771				Si
496	24.13	1.1	0	3,5,6	-155909	8718	-136305	-2.02	1.92	-442398	24737	SLV 13	2.838				Si
525	24.13	1.1	0	3,5,6	-209368	4250	-136152	-2.02	1.92	-594755	12074	SLV 13	2.841				Si
554	24.13	1.1	0	3,5,6	-201280	-3368	-136000	-2.02	1.92	-572421	-9577	SLV 13	2.844				Si
583	24.13	1.1	0	3,5,6	-240238	6522	-135848	-2.02	1.92	-683978	18570	SLV 13	2.847				Si
612	24.13	1.1	0	3,5,6	245605	-207320	-134296	-2.02	1.92	652386	-550691	SLV 5	2.656				Si
641	24.39	1.5	0	3,4,5,6	313544	-283410	-134144	-2.02	1.92	776395	-701777	SLV 5	2.476				Si
670	31.44	1.9	0	3,4,5,6	382289	-359538	-133992	-2.02	1.92	937329	-881546	SLV 5	2.452				Si
690	24.13	2.5	0	4,5,6,7,9,10	-329845	325696	-111805	-2.02	1.92	-774926	765178	SLV 5	2.349				Si
719	21.83	2.5	0	4,5,6,7,9,10	-259180	259043	-111677	-2.02	1.92	-645008	644665	SLV 5	2.489				Si
748	20.11	1.1	0	7,9,10	-188088	191261	-111546	-2.02	1.92	-501565	510026	SLV 5	2.667				Si
777	20.11	1.1	0	7,9,10	-119220	123589	-111416	-2.02	1.92	-348254	361014	SLV 5	2.921				Si
806	20.11	1.1	0	7,9,10	102269	-2609	-112408	-2.02	1.92	299571	-7642	SLV 13	2.929				Si
835	20.11	1.1	0	7,9,10	-61023	-16517	-112278	-2.02	1.92	-178959	-48438	SLV 13	2.933				Si
864	20.11	1.1	0	7,9,10	-107784	-50365	-112147	-2.02	1.92	-316458	-147875	SLV 13	2.936				Si
893	20.11	1.1	0	7,9,10	191387	-149062	-110894	-2.02	1.92	531320	-413820	SLV 5	2.776				Si
922	20.11	1.1	0	7,9,10	262207	-216774	-110763	-2.02	1.92	668082	-552321	SLV 5	2.548				Si
951	20.37	1.6	0	7,8,9,10	334000	-284569	-110633	-2.02	1.92	787896	-671289	SLV 5	2.359				Si
980	27.42	2	0	7,8,9,10	404987	-351229	-110504	-2.02	1.92	947945	-822113	SLV 5	2.341				Si
1000	20.11	2.4	0	8,9,10,11	-253365	292324	-89309	-2.02	1.92	-591470	682418	SLV 5	2.334				Si
1029	17.8	2.4	0	8,9,10,11	-199370	235541	-89200	-2.02	1.92	-493842	583440	SLV 5	2.477				Si
1058	16.08	1.1	0	11	-145946	157741	-89091	-2.02	1.92	-395903	427901	SLV 5	2.713				Si
1087	16.08	1.1	0	11	-94032	98058	-88982	-2.02	1.92	-281868	293937	SLV 5	2.998				Si
1116	16.08	1.1	0	11	65502	51222	-89590	-2.02	1.92	198698	155381	SLV 13	3.033				Si
1145	16.08	1.1	0	11	-18788	15360	-89481	-2.02	1.92	-57062	46652	SLV 13	3.037				Si
1174	16.08	1.1	0	11	-68634	2650	-89372	-2.02	1.92	-208708	8057	SLV 13	3.041				Si
1203	16.08	1.1	0	11	138841	-106714	-88547	-2.02	1.92	401669	-308724	SLV 5	2.893				Si
1232	16.08	1.1	0	11	191925	-163311	-88439	-2.02	1.92	506363	-430868	SLV 5	2.638				Si
1261	16.08	1.1	0	11	245776	-220039	-88330	-2.02	1.92	595608	-533240	SLV 5	2.423				Si
1290	16.08	1.1	0	11	299971	-276820	-88221	-2.02	1.92	669953	-618246	SLV 5	2.233				Si
1310	16.08	2.1	0	11,12	-250066	201316	-66223	-2.02	1.92	-736579	592984	SLV 5	2.946				Si
1339	16.08	2.1	0	11,12	-200446	162614	-66116	-2.02	1.92	-642778	521462	SLV 5	3.207				Si
1368	16.08	1.1	0	12	-151062	123365	-66007	-2.02	1.92	-529615	432510	SLV 5	3.506				Si
1397	16.08	1.1	0	12	-104369	84433	-65898	-2.02	1.92	-402347	325493	SLV 5	3.855				Si
1426	16.08	1.1	0	12	-22992	61373	-66100	-2.02	1.92	-94529	252332	SLV 9	4.111				Si
1455	16.08	1.1	0	12	-45582	15151	-65992	-2.02	1.92	-187716	62396	SLV 9	4.118				Si
1484	16.08	1.1	0	12	-73955	-41550	-65883	-2.02	1.92	-305067	-171394	SLV 9	4.125				Si
1513	16.08	1.1	0	12	-109392	-78425	-65774	-2.02	1.92	-424199	-304116	SLV 9	3.878				Si
1542	16.08	1.1	0	12	180497	-111257	-64435	-2.02	1.92	638724	-393705	SLV 1	3.539				Si
1571	16.08	1.1	0	12	230764	-196098	-65246	-2.02	1.92	699828	-594698	SLV 5	3.033				Si
1600	16.08	1.1	0	12	389962	-185402	-64217	-2.02	1.92	1067860	-507700	SLV 1	2.738				Si
1620	16.08	2.1	0	12,13,14	-160207	374455	-43763	-2.02	1.92	-440232	1028966	SLV 9	2.748				Si
1649	16.08	2.1	0	12,13,14	-116022	294499	-43656	-2.02	1.92	-393480	998769	SLV 9	3.391				Si
1678	16.08	1.1	0	13,14	-71841	213359	-43547	-2.02	1.92	-302006	896926	SLV 9	4.204				Si
1707	16.08	1.1	0	13,14	-29537	132816	-43438	-2.02	1.92	-152334	684986	SLV 9	5.157				Si
1736	16.08	1.1	0	13,14	82847	-50783	-42052	-2.02	1.92	492808	-302078	SLV 7	5.948				Si
1765	16.08	1.1	0	13,14	165647	-32846	-43340	-2.02	1.92	889335	-176347	SLV 1	5.369				Si
1794	16.08	1.1	0	13,14	214244	-98338	-43424	-2.02	1.92	965955	-443373	SLV 5	4.509				Si
1823	16.08	1.1	0	13,14	295869	-162102	-43315	-2.02	1.92	1078075	-590659	SLV 5	3.644				Si
1852	16.08	1.1	0	13,14	379223	-226572	-43207	-2.02	1.92	1108422	-662243	SLV 5	2.923				Si
1881	16.08	1.1	0	13,14	463279	-291252	-43098	-2.02	1.92	1095266	-688567	SLV 5	2.364				Si
1910	16.08	1.1	0	13,14	546229	-354906	-42991	-2.02	1.92	1068539	-694271	SLV 5	1.956				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	2.3	0	1,2	1067822	-79336	-159846	2121976	-157656	SLD 15	1.987	Si
-111	24.13	2.3	0	1,2	985298	-72816	-159694	2007607	-148368	SLD 15	2.038	Si
-81	24.13	1.1	0	2	901361	-66185	-159540	1885174	-138424	SLD 15	2.091	Si
-52	24.13	1.1	0	2	817442	-59554	-159385	1756117	-127940	SLD 15	2.148	Si
-22	24.13	1.1	0	2	733549	-52925	-159231	1619895	-116873	SLD 15	2.208	Si
7	24.13	1.1	0	2	649690	-46298	-159076	1475906	-105174	SLD 15	2.272	Si
36	24.13	1.1	0	2	565880	-39674	-158922	1323496	-92790	SLD 15	2.339	Si
66	24.13	1.1	0	2	482150	-33057	-158767	1161966	-79667	SLD 15	2.41	Si
95	24.13	1.1	0	2	318657	-8530	-158916	775551	-20760	SLD 13	2.434	Si
125	24.13	1.1	0	2	250885	-9070	-158760	611205	-22096	SLD 13	2.436	Si
154	24.13	1.1	0	2	184835	-10247	-158607	450730	-24989	SLD 13	2.439	Si
184	24.13	1.1	0	2	119105	-16614	-158453	290727	-40553	SLD 13	2.441	Si
213	24.13	1.1	0	2	57958	-27899	-158301	141606	-68165	SLD 13	2.443	Si
242	24.13	1.1	0	2	-40962	-40243	-158144	-100181	-98423	SLD 13	2.446	Si
272	24.13	1.1	0	2	-118059	-52451	-157989	-289018	-128405	SLD 13	2.448	Si
301	24.13	1.1	0	2	-197047	-64675	-157835	-482858	-158484	SLD 13	2.45	Si
331	24.13	1.1	0	2	-236966	-76906	-157681	-581249	-188641	SLD 13	2.453	Si
360	24.13	1.1	0	2	-292511	-88932	-157529	-718184	-218350	SLD 13	2.455	Si
380	24.13	2.3	0	2,3,5,6	-210247	198327	-135161	-565147	533108	SLD 5	2.688	Si
409	24.13	2.3	0	2,3,5,6	-177459	162098	-135011	-495646	452743	SLD 5	2.793	Si
438	24.13	1.1	0	3,5,6	-25220	31677	-135399	-72042	90487	SLD 13	2.857	Si
467	24.13	1.1	0	3,5,6	-23730	24195	-135247	-67862	69193	SLD 13	2.86	Si
496	24.13	1.1	0	3,5,6	-107261	16676	-135094	-307086	47744	SLD 13	2.863	Si
525	24.13	1.1	0	3,5,6	-121122	7543	-134942	-347161	21621	SLD 13	2.866	Si
554	24.13	1.1	0	3,5,6	-105356	-2402	-134790	-302314	-6893	SLD 13	2.869	Si
583	24.13	1.1	0	3,5,6	-110624	-5508	-134638	-317786	-15823	SLD 13	2.873	Si
612	24.13	1.1	0	3,5,6	-117760	-12997	-134485	-338669	-37378	SLD 13	2.876	Si
641	24.39	1.5	0	3,4,5,6	-125880	-20471	-134333	-363404	-59097	SLD 13	2.887	Si
670	31.44	1.9	0	3,4,5,6	165866	-170212	-133641	494695	-507656	SLD 5	2.983	Si
690	24.13	2.5	0	4,5,6,7,9,10	-137717	159992	-111474	-400169	464893	SLD 5	2.906	Si
719	21.83	2.5	0	4,5,6,7,9,10	-107690	126815	-111345	-320477	377391	SLD 5	2.976	Si
748	20.11	1.1	0	7,9,10	79796	19470	-111644	235340	57421	SLD 13	2.949	Si
777	20.11	1.1	0	7,9,10	58176	11073	-111514	171779	32696	SLD 13	2.953	Si
806	20.11	1.1	0	7,9,10	50658	2586	-111383	149756	7646	SLD 13	2.956	Si
835	20.11	1.1	0	7,9,10	-22559	-10558	-111253	-66766	-31247	SLD 13	2.96	Si
864	20.11	1.1	0	7,9,10	-35550	-30701	-111122	-105341	-90971	SLD 13	2.963	Si
893	20.11	1.1	0	7,9,10	-56327	-22160	-110992	-167100	-65739	SLD 13	2.967	Si
922	20.11	1.1	0	7,9,10	-79279	-30550	-110861	-235467	-90736	SLD 13	2.97	Si
951	20.37	1.6	0	7,8,9,10	147382	-143886	-110301	421775	-411772	SLD 5	2.862	Si
980	27.42	2	0	7,8,9,10	177580	-177067	-110173	521069	-519563	SLD 5	2.934	Si
1000	20.11	2.4	0	8,9,10,11	-118199	152892	-88981	-342600	443160	SLD 5	2.899	Si
1029	17.8	2.4	0	8,9,10,11	-92725	123769	-88872	-275496	367733	SLD 5	2.971	Si
1058	16.08	1.1	0	11	44991	58521	-89032	137334	178636	SLD 13	3.052	Si
1087	16.08	1.1	0	11	34841	54305	-88923	106481	165967	SLD 13	3.056	Si
1116	16.08	1.1	0	11	30603	31023	-88814	93644	94928	SLD 13	3.06	Si
1145	16.08	1.1	0	11	-4385	10270	-88706	-13435	31464	SLD 13	3.064	Si
1174	16.08	1.1	0	11	-20037	-2215	-88597	-61464	-6795	SLD 13	3.067	Si
1203	16.08	1.1	0	11	-29045	-10783	-88488	-89204	-33116	SLD 13	3.071	Si
1232	16.08	1.1	0	11	-40019	-19218	-88379	-123060	-59095	SLD 13	3.075	Si
1261	16.08	1.1	0	11	118942	-110008	-88002	349081	-322859	SLD 5	2.935	Si
1290	16.08	1.1	0	11	144523	-139128	-87893	404394	-389299	SLD 5	2.798	Si
1310	16.08	2.1	0	11,12	-115297	109489	-65885	-424736	403341	SLD 5	3.684	Si
1339	16.08	2.1	0	11,12	-92885	88292	-65778	-360128	342318	SLD 5	3.877	Si
1368	16.08	1.1	0	12	-70669	66800	-65670	-289256	273420	SLD 5	4.093	Si
1397	16.08	1.1	0	12	-17514	55552	-65702	-72446	229785	SLD 9	4.136	Si
1426	16.08	1.1	0	12	-12517	31258	-65593	-51863	129509	SLD 9	4.143	Si
1455	16.08	1.1	0	12	-20509	6542	-65484	-85114	27152	SLD 9	4.15	Si
1484	16.08	1.1	0	12	-27955	-23921	-65375	-116209	-99442	SLD 9	4.157	Si
1513	16.08	1.1	0	12	-38283	-44011	-65267	-159411	-183262	SLD 9	4.164	Si
1542	16.08	1.1	0	12	80572	-62779	-64591	333381	-259762	SLD 1	4.138	Si
1571	16.08	1.1	0	12	105101	-102179	-64908	399103	-388006	SLD 5	3.797	Si
1600	16.08	1.1	0	12	128125	-127699	-64800	460833	-459303	SLD 5	3.597	Si
1620	16.08	2.1	0	12,13,14	-119342	207270	-43430	-485279	842819	SLD 9	4.066	Si
1649	16.08	2.1	0	12,13,14	-83060	162150	-43323	-384022	749691	SLD 9	4.623	Si
1678	16.08	1.1	0	13,14	-46439	116346	-43214	-244826	613372	SLD 9	5.272	Si
1707	16.08	1.1	0	13,14	-10440	70824	-43106	-63647	431796	SLD 9	6.097	Si
1736	16.08	1.1	0	13,14	24153	18983	-43139	152161	119587	SLD 5	6.3	Si
1765	16.08	1.1	0	13,14	107469	-24882	-42933	640746	-148353	SLD 1	5.962	Si
1794	16.08	1.1	0	13,14	144951	-62606	-42922	763088	-329585	SLD 5	5.264	Si
1823	16.08	1.1	0	13,14	196096	-100841	-42813	906662	-466247	SLD 5	4.624	Si
1852	16.08	1.1	0	13,14	248258	-139491	-42704	1005233	-564822	SLD 5	4.049	Si
1881	16.08	1.1	0	13,14	300822	-178261	-42596	1062083	-629369	SLD 5	3.531	Si
1910	16.08	1.1	0	13,14	352672	-216412	-42489	1087119	-667094	SLD 5	3.083	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	6X/2Y Ø8/10	-238	-259930	SLU 52	17927	43638	43673	1.65	183.58	-1102	-260014	SLU 51	17432	43500	45161	1.9	39.47	Si
-111	6X/2Y Ø8/10	-238	-259733	SLU 52	17927	43638	43754	1.65	183.58	-1102	-259816	SLU 51	17432	43500	45246	1.9	39.47	Si
-81	6X/2Y Ø8/10	-238	-259532	SLU 52	17927	43638	43837	1.65	183.58	-1102	-259616	SLU 51	17432	44644	44660	1.95	40.51	Si
-52	6X/2Y Ø8/10	-238	-259332	SLU 52	17927	43638	43920	1.65	183.58	-1102	-259415	SLU 51	17432	44644	44745	1.95	40.51	Si
-22	6X/2Y Ø8/15	-238	-259131	SLU 52	17927	37907	37962	2.15	159.48	-1102	-259214	SLU 51	17432	37394	38628	2.45	33.93	Si
7	6X/2Y Ø8/15	-238	-258930	SLU 52	17927	37907	38033	2.15	159.48	-1102	-259014	SLU 51	17432	37394	38701	2.45	33.93	Si
36	6X/2Y Ø8/15	-238	-258729	SLU 52	17927	37907	38105	2.15	159.48	-1102	-258813	SLU 51	17432	38157	38215	2.5	34.62	Si
66	6X/2Y Ø8/15	-238	-258529	SLU 52	17927	37907	38177	2.15	159.48	-1102	-258612	SLU 51	17432	38157	38287	2.5	34.62	Si
95	6X/2Y Ø8/15	-238	-258328	SLU 52	17927	37907	38248	2.15	159.48	-1102	-258411	SLU 51	17432	38157	38359	2.5	34.62	Si
125	6X/2Y Ø8/15	-238	-258125	SLU 52	17927	37907	38321	2.15	159.48	-1102	-258209	SLU 51	17432	38157	38432	2.5	34.62	Si
154	6X/2Y Ø8/15	-238	-257927	SLU 52	17927	37907	38392	2.15	159.48	-1102	-258010	SLU 51	17432	38157	38503	2.5	34.62	Si
184	6X/2Y Ø8/15	-238	-257726	SLU 52	17927	37907	38464	2.15	159.48	-1102	-257809	SLU 51	17432	38157	38575	2.5	34.62	Si
213	6X/2Y Ø8/15	-238	-257528	SLU 52	17927	37907	38534	2.15	159.48	-1102	-257611	SLU 51	17432	38157	38646	2.5	34.62	Si
242	6X/2Y Ø8/10	-238	-257324	SLU 52	17927	43638	44751	1.65	183.58	-1102	-257408	SLU 51	17432	44644	45592	1.95	40.51	Si
272	6X/2Y Ø8/10	-238	-257124	SLU 52	17927	43638	44834	1.65	183.58	-1102	-257207	SLU 51	17432	44644	45676	1.95	40.51	Si
301	6X/2Y Ø8/10	-238	-256923	SLU 52	17927	43638	44917	1.65	183.58	-1102	-257006	SLU 51	17432	44644	45761	1.95	40.51	Si
331	6X/2Y Ø8/10	-238	-256722	SLU 52	17927	43638	45000	1.65	183.58	-1102	-256805	SLU 51	17432	44644	45846	1.95	40.51	Si
360	6X/2Y Ø8/10	-238	-256525	SLU 52	17927	43638	45082	1.65	183.58	-1102	-256608	SLU 51	17432	44644	45929	1.95	40.51	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
380	6X/2Y Ø8/10	-739	-221899	SLU 51	17927	52894	53616	2	71.53	760	-221899	SLU 51	17432	52657	54552	2.3	69.3	Si
409	6X/2Y Ø8/10	-739	-221704	SLU 51	17927	52894	53689	2	71.53	760	-221704	SLU 51	17432	53802	53824	2.35	70.81	Si
438	6X/2Y Ø8/10	-739	-221506	SLU 51	17927	52894	53763	2	71.53	760	-221506	SLU 51	17432	53802	53898	2.35	70.81	Si
467	6X/2Y Ø8/14.4	-739	-221308	SLU 51	17927	45774	46411	2.5	61.9	760	-221308	SLU 51	17432	39625	51656	2.5	52.15	Si
496	6X/2Y Ø8/14.4	-739	-221110	SLU 51	17927	45774	46475	2.5	61.9	760	-221110	SLU 51	17432	39625	51726	2.5	52.15	Si
525	6X/2Y Ø8/14.4	-739	-220912	SLU 51	17927	45774	46538	2.5	61.9	760	-220912	SLU 51	17432	39625	51797	2.5	52.15	Si
554	6X/2Y Ø8/14.4	-739	-220714	SLU 51	17927	45774	46602	2.5	61.9	760	-220714	SLU 51	17432	39625	51868	2.5	52.15	Si
583	6X/2Y Ø8/14.4	-739	-220517	SLU 51	17927	45774	46666	2.5	61.9	760	-220517	SLU 51	17432	39625	51939	2.5	52.15	Si
612	6X/2Y Ø8/10	-739	-220319	SLU 51	17927	52894	54206	2	71.53	760	-220319	SLU 51	17432	53802	54343	2.35	70.81	Si
641	6X/2Y Ø8/10	-739	-220121	SLU 51	17927	52894	54280	2	71.53	760	-220121	SLU 51	17432	53802	54417	2.35	70.81	Si
670	6X/2Y Ø8/10	-739	-219923	SLU 51	17927	52894	54354	2	71.53	760	-219923	SLU 51	17432	53802	54491	2.35	70.81	Si
690	5X/2Y Ø8/10	-753	-184442	SLU 51	15366	46282	46684	2.1	61.47	302	-142850	SLU 41	15029	48385	55356	2.5	160.35	Si
719	5X/2Y Ø8/10	-753	-184275	SLU 51	15366	46282	46744	2.1	61.47	302	-142683	SLU 41	15029	48385	55356	2.5	160.35	Si
748	5X/2Y Ø8/10	-753	-184106	SLU 51	15366	46282	46806	2.1	61.47	302	-142514	SLU 41	15029	48385	55356	2.5	160.35	Si
777	5X/2Y Ø8/14.4	-753	-183936	SLU 51	15366	38145	41634	2.5	50.66	302	-142344	SLU 41	15029	33497	55356	2.5	111.01	Si
806	5X/2Y Ø8/14.4	-753	-183766	SLU 51	15366	38145	41689	2.5	50.66	302	-142174	SLU 41	15029	33497	55356	2.5	111.01	Si
835	5X/2Y Ø8/14.4	-753	-183597	SLU 51	15366	38145	41744	2.5	50.66	302	-142005	SLU 41	15029	33497	55356	2.5	111.01	Si
864	5X/2Y Ø8/14.4	-753	-183427	SLU 51	15366	38145	41798	2.5	50.66	302	-141835	SLU 41	15029	33497	55356	2.5	111.01	Si
893	5X/2Y Ø8/14.4	-753	-183257	SLU 51	15366	38145	41853	2.5	50.66	302	-141666	SLU 41	15029	33497	55356	2.5	111.01	Si
922	5X/2Y Ø8/10	-753	-183088	SLU 51	15366	46282	47175	2.1	61.47	302	-141496	SLU 41	15029	48385	55356	2.5	160.35	Si
951	5X/2Y Ø8/10	-753	-182918	SLU 51	15366	46282	47236	2.1	61.47	302	-141326	SLU 41	15029	48385	55356	2.5	160.35	Si
980	5X/2Y Ø8/10	-753	-182751	SLU 51	15366	46282	47297	2.1	61.47	302	-141160	SLU 41	15029	48385	55356	2.5	160.35	Si
1000	4X/2Y Ø8/10	-709	-148930	SLU 51	12805	38789	39433	2.2	54.71	377	-148930	SLU 51	12600	38743	39418	2.45	102.68	Si
1029	4X/2Y Ø8/10	-709	-148789	SLU 51	12805	38789	39483	2.2	54.71	377	-148789	SLU 51	12600	38743	39468	2.45	102.68	Si
1058	4X/2Y Ø8/10	-709	-148648	SLU 51	12805	38789	39533	2.2	54.71	377	-148648	SLU 51	12600	38743	39517	2.45	102.68	Si
1087	4X/2Y Ø8/14.4	-709	-148506	SLU 51	12805	30516	36232	2.5	43.04	377	-148506	SLU 51	12600	27370	38996	2.5	72.54	Si
1116	4X/2Y Ø8/14.4	-709	-148365	SLU 51	12805	30516	36278	2.5	43.04	377	-148365	SLU 51	12600	27370	39045	2.5	72.54	Si
1145	4X/2Y Ø8/14.4	-709	-148224	SLU 51	12805	30516	36323	2.5	43.04	377	-148224	SLU 51	12600	27370	39094	2.5	72.54	Si
1174	4X/2Y Ø8/14.4	-709	-148082	SLU 51	12805	30516	36369	2.5	43.04	377	-148082	SLU 51	12600	27370	39143	2.5	72.54	Si
1203	4X/2Y Ø8/14.4	-709	-147941	SLU 51	12805	30516	36414	2.5	43.04	377	-147941	SLU 51	12600	27370	39192	2.5	72.54	Si
1232	4X/2Y Ø8/10	-709	-147799	SLU 51	12805	38789	39831	2.2	54.71	377	-147799	SLU 51	12600	38743	39816	2.45	102.68	Si
1261	4X/2Y Ø8/10	-709	-147658	SLU 51	12805	38789	39881	2.2	54.71	377	-147658	SLU 51	12600	38743	39865	2.45	102.68	Si
1290	4X/2Y Ø8/10	-709	-147517	SLU 51	12805	38789	39931	2.2	54.71	377	-147517	SLU 51	12600	38743	39915	2.45	102.68	Si
1310	4X/2Y Ø8/10	-625	-112484	SLU 51	12805	42315	43268	2.4	67.66	314	-82832	SLU 41	12600	39534	45230	2.5	126.05	Si
1339	4X/2Y Ø8/10	-625	-112346	SLU 51	12805	42315	43268	2.4	67.66	314	-82693	SLU 41	12600	39534	45230	2.5	126.05	Si
1368	4X/2Y Ø8/10	-625	-112204	SLU 51	12805	42315	43268	2.4	67.66	314	-82551	SLU 41	12600	39534	45230	2.5	126.05	Si
1397	4X/2Y Ø8/14.4	-625	-112063	SLU 51	12805	30516	42024	2.5	48.79	314	-82410	SLU 41	12600	27370	45230	2.5	87.27	Si
1426	4X/2Y Ø8/14.4	-625	-111921	SLU 51	12805	30516	42024	2.5	48.79	314	-82269	SLU 41	12600	27370	45230	2.5	87.27	Si
1455	4X/2Y Ø8/14.4	-625	-111780	SLU 51	12805	30516	42024	2.5	48.79	314	-82127	SLU 41	12600	27370	45230	2.5	87.27	Si
1484	4X/2Y Ø8/14.4	-625	-111639	SLU 51	12805	30516	42024	2.5	48.79	314	-81986	SLU 41	12600	27370	45230	2.5	87.27	Si
1513	4X/2Y Ø8/14.4	-625	-111497	SLU 51	12805	30516	42024	2.5	48.79	314	-81845	SLU 41	12600	27370	45230	2.5	87.27	Si
1542	4X/2Y Ø8/10	-625	-111356	SLU 51	12805	42315	43268	2.4	67.66	314	-81703	SLU 41	12600	39534	45230	2.5	126.05	Si
1571	4X/2Y Ø8/10	-625	-111215	SLU 51	12805	42315	43268	2.4	67.66	314	-81562	SLU 41	12600	39534	45230	2.5	126.05	Si
1600	4X/2Y Ø8/10	-625	-111073	SLU 51	12805	42315	43268	2.4	67.66	314	-81420	SLU 41	12600	39534	45230	2.5	126.05	Si
1620	4X/2Y Ø8/10	-1294	-77220	SLU 51	12805	42315	43268	2.4	32.71	1840	-77209	SLU 52	12600	39534	45230	2.5	21.49	Si
1649	4X/2Y Ø8/10	-1294	-77081	SLU 51	12805	42315	43268	2.4	32.71	1840	-77071	SLU 52	12600	39534	45230	2.5	21.49	Si
1678	4X/2Y Ø8/10	-1294	-76940	SLU 51	12805	42315	43268	2.4	32.71	1840	-76929	SLU 52	12600	39534	45230	2.5	21.49	Si
1707	4X/2Y Ø8/14.4	-1294	-76798	SLU 51	12805	30516	42024	2.5	23.59	1840	-76788	SLU 52	12600	27370	45230	2.5	14.88	Si
1736	4X/2Y Ø8/14.4	-1294	-76657	SLU 51	12805	30516	42024	2.5	23.59	1840	-76646	SLU 52	12600	27370	45230	2.5	14.88	Si
1765	4X/2Y Ø8/14.4	-1294	-76515	SLU 51	12805	30516	42024	2.5	23.59	1840	-76505	SLU 52	12600	27370	45230	2.5	14.88	Si
1794	4X/2Y Ø8/14.4	-1294	-76374	SLU 51	12805	30516	42024	2.5	23.59	1840	-76364	SLU 52	12600	27370	45230	2.5	14.88	Si
1823	4X/2Y Ø8/14.4	-1294	-76233	SLU 51	12805	30516	42024	2.5	23.59	1840	-76222	SLU 52	12600	27370	45230	2.5	14.88	Si
1852	4X/2Y Ø8/10	-1294	-76091	SLU 51	12805	42315	43268	2.4	32.71	1840	-76081	SLU 52	12600	39534	45230	2.5	21.49	Si
1881	4X/2Y Ø8/10	-1294	-75950	SLU 51	12805	42315	43268	2.4	32.71	1840	-75940	SLU 52	12600	39534	45230	2.5	21.49	Si
1910	4X/2Y Ø8/10	-1294	-75811	SLU 51	12805	42315	43268	2.4	32.71	1840	-75801	SLU 52	12600	39534	45230	2.5	21.49	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	6X/2Y Ø8/10	-1276	-159920	SLV 5	17927	60828	62389	2.3	47.66	-6250	-160759	SLV 15	17432	57236	65483	2.5	9.16	Si
-111	6X/2Y Ø8/10	-1276	-159768	SLV 5	17927	60828	62389	2.3	47.66	-6250	-160607	SLV 15	17432	57236	65483	2.5	9.16	Si
-81	6X/2Y Ø8/10	-1276	-159614	SLV 5	17927	60828	62389	2.3	47.66	-6250	-160452	SLV 15	17432	57236	65483	2.5	9.16	Si
-52	6X/2Y Ø8/10	-1276	-159459	SLV 5	17927	60828	62389	2.3	47.66	-6250	-160298	SLV 15	17432	57236	65483	2.5	9.16	Si
-22	6X/2Y Ø8/15	-1276	-159305	SLV 5	17927	44078	58834	2.5	34.53	-6250	-160144	SLV 15	17432	38157	65483	2.5	6.11	Si
7	6X/2Y Ø8/15	-1276	-159150	SLV 5	17927	44078	58834	2.5	34.53	-6250	-159989	SLV 15	17432	38157	65483	2.5	6.11	Si
36	6X/2Y Ø8/15	-1276	-158996	SLV 5	17927	44078	58834	2.5	34.53	-6250	-159835	SLV 15	17432	38157	65483	2.5	6.11	Si
66	6X/2Y Ø8/15	-1276	-158842	SLV 5	17927	44078	58834	2.5	34.53	-6250	-159680	SLV 15	17432	38157	65483	2.5	6.11	Si
95	6X/2Y Ø8/15	-1276	-158687	SLV 5	17927	44078	58834	2.5	34.53	-6250	-159526	SLV 15	17432	38157	65483	2.5	6.11	Si
125	6X/2Y Ø8/15	-1276	-158531	SLV 5	17927	44078	58834	2.5	34.53	-6250	-159370	SLV 15	17432	38157	65483	2.5	6.11	Si
154	6X/2Y Ø8/15	-1276	-158378	SLV 5	17927	44078	58834	2.5	34.53	-6250	-159217	SLV 15	17432	38157	65483	2.5	6.11	Si
184	6X/2Y Ø8/15	-1276	-158224	SLV 5	17927	44078	58834	2.5	34.53	-6250	-159063	SLV 15	17432	38157	65483	2.5	6.11	Si
213	6X/2Y Ø8/15	-1276	-158072	SLV 5	17927	44078	58834	2.5	34.53	-6250	-158911	SLV 15	17432	38157	65483	2.5	6.11	Si
242	6X/2Y Ø8/10	-1276	-157915	SLV 5	17927	60828	62389	2.3	47.66	-6250	-158754	SLV 15	17432	57236	65483	2.5	9.16	Si
272	6X/2Y Ø8/10	-1276	-157761	SLV 5	17927	60828	62389	2.3	47.66	-6250	-158599	SLV 15	17432	57236	65483	2.5	9.16	Si
301	6X/2Y Ø8/10	-1276	-157606	SLV 5	17927	60828	62389	2.3	47.66	-6250	-158445	SLV 15	17432	57236	65483	2.5	9.16	Si
331	6X/2Y Ø8/10	-1276	-157452	SLV 5	17927	60828	62389	2.3	47.66	-6250	-158291	SLV 15	17432	57236	65483	2.5	9.16	Si
360	6X/2Y Ø8/10	-1276	-157300	SLV 5	17927	60828	62389	2.3	47.66	-6250	-158139	SLV 15	17432	57236	65483	2.5	9.16	Si
380	6X/2Y Ø8/10	-2627	-135512	SLV 5	17927	60828	62389	2.3	23.16	3338	-133544	SLV 1	17432	57236	65483	2.5	17.14	Si
409	6X/2Y Ø8/10	-2627	-135362	SLV 5	17927	60828	62389	2.3	23.16	3338	-133395	SLV 1	17432	57236	65483	2.5	17.14	Si
438	6X/2Y Ø8/10	-2627	-135210	SLV 5	17927	60828	62389	2.3	23.16	3338	-133242	SLV 1	17432	57236	65483	2.5	17.14	Si
467	6X/2Y Ø8/14.4	-2627	-135058	SLV 5	17927	45774	58834	2.5	17.42	3338	-133090	SLV 1	17432	39625	65483	2.5	11.87	Si
496	6X/2Y Ø8/14.4	-2627	-134905	SLV 5	17927	45774	58834	2.5	17.42	3338	-132938	SLV 1	17432	39625	65483	2.5	11.87	Si
525	6X/2Y Ø8/14.4	-2627	-134753	SLV 5	17927	45774	58834	2.5	17.42	3338	-132786	SLV 1	17432	39625	65483	2.5	11.87	Si
554	6X/2Y Ø8/14.4	-2627	-134601	SLV 5	17927	45774	58834	2.5	17.42	3338	-132633	SLV 1	17432	39625	65483	2.5	11.87	Si
583	6X/2Y Ø8/14.4	-2627	-134449	SLV 5	17927	45774	58834	2.5	17.42	3338	-132481	SLV 1	17432	39625	65483	2.5	11.87	Si
612	6X/2Y Ø8/10	-2627	-134296	SLV 5	17927	60828	62389	2.3	23.16	3338	-132329	SLV 1	17432	57236	65483	2.5	17.14	Si
641	6X/2Y Ø8/10	-2627	-134144	SLV 5	17927	60828	62389	2.3	23.16	3338	-132177	SLV 1	17432	57236	65483	2.5	17.14	Si
670	6X/2Y Ø8/10	-2627	-133992	SLV 5	17927	60828	62389	2.3	23.16	3338	-132024	SLV 1	17432	57236	65483	2.5	17.14	Si
690	5X/2Y Ø8/10	-2341	-111805	SLV 5	15366	51792	52691	2.35	22.13	3596	-110095	SLV 1	15029	48385	55356	2.5	13.46	Si
719	5X/2Y Ø8/10	-2341	-111677	SLV 5	15366	51792	52691	2.35	22.13	3596	-109967	SLV 1	15029	48385	55356	2.5	13.46	Si
748	5X/2Y Ø8/10	-2341	-111546	SLV 5	15366	51792	52691	2.35	22.13	3596	-109836	SLV 1	15029	48385	55356	2.5	13.46	Si
777	5X/2Y Ø8/14.4	-2341	-111416	SLV 5	15366	38145	50429	2.5	16.3	3596	-109706	SLV 1	15029	33497	55356	2.5	9.32	Si
806	5X/2Y Ø8/14.4	-2341	-111285	SLV 5	15366	38145	50429	2.5	16.3	3596	-109575	SLV 1	15029	33497	55356	2.5	9.32	Si
835	5X/2Y Ø8/14.4	-2341	-111155	SLV 5	15366	38145	50429	2.5	16.3	3596	-109445	SLV 1	15029	33497	55356	2.5	9.32	Si
864	5X/2Y Ø8/14.4	-2341	-111024	SLV 5	15366	38145	50429	2.5	16.3	3596	-109314	SLV 1	15029	33497	55356	2.5	9.32	Si
893	5X/2Y Ø8/14.4	-2341	-110894	SLV 5	15366	38145	50429	2.5	16.3	3596	-109184	SLV 1	15029	33497	55356	2.5	9.32	Si
922	5X/2Y Ø8/10	-2341	-110763	SLV 5	15366	51792	52691	2.35	22.13	3596	-109053	SLV 1	15029	48385	55356	2.5	13.46	Si
951	5X/2Y Ø8/10	-2341	-110633	SLV 5	15366	51792	52691	2.35	22.13	3596	-108923	SLV 1	15029	48385	55356	2.5	13.46	Si
980	5X/2Y Ø8/10	-2341	-110504	SLV 5	15366	51792	52691	2.35	22.13	3596	-108795	SLV 1	15029	48385	55356	2.5	13.46	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1000	4X/2Y Ø8/10	-1961	-89309	SLV 5	12805	42315	43268	2.4	21.58	2629	-87928	SLV 1	12600	39534	45230	2.5	15.04	Si
1029	4X/2Y Ø8/10	-1961	-89200	SLV 5	12805	42315	43268	2.4	21.58	2629	-87820	SLV 1	12600	39534	45230	2.5	15.04	Si
1058	4X/2Y Ø8/10	-1961	-89091	SLV 5	12805	42315	43268	2.4	21.58	2629	-87711	SLV 1	12600	39534	45230	2.5	15.04	Si
1087	4X/2Y Ø8/14.4	-1961	-88982	SLV 5	12805	30516	42024	2.5	15.57	2629	-87602	SLV 1	12600	27370	45230	2.5	10.41	Si
1116	4X/2Y Ø8/14.4	-1961	-88874	SLV 5	12805	30516	42024	2.5	15.57	2629	-87493	SLV 1	12600	27370	45230	2.5	10.41	Si
1145	4X/2Y Ø8/14.4	-1961	-88765	SLV 5	12805	30516	42024	2.5	15.57	2629	-87385	SLV 1	12600	27370	45230	2.5	10.41	Si
1174	4X/2Y Ø8/14.4	-1961	-88656	SLV 5	12805	30516	42024	2.5	15.57	2629	-87276	SLV 1	12600	27370	45230	2.5	10.41	Si
1203	4X/2Y Ø8/14.4	-1961	-88547	SLV 5	12805	30516	42024	2.5	15.57	2629	-87167	SLV 1	12600	27370	45230	2.5	10.41	Si
1232	4X/2Y Ø8/10	-1961	-88439	SLV 5	12805	42315	43268	2.4	21.58	2629	-87058	SLV 1	12600	39534	45230	2.5	15.04	Si
1261	4X/2Y Ø8/10	-1961	-88330	SLV 5	12805	42315	43268	2.4	21.58	2629	-86950	SLV 1	12600	39534	45230	2.5	15.04	Si
1290	4X/2Y Ø8/10	-1961	-88221	SLV 5	12805	42315	43268	2.4	21.58	2629	-86841	SLV 1	12600	39534	45230	2.5	15.04	Si
1310	4X/2Y Ø8/10	-1719	-66223	SLV 5	12805	42315	43268	2.4	24.61	2568	-65303	SLV 1	12600	39534	45230	2.5	15.4	Si
1339	4X/2Y Ø8/10	-1719	-66116	SLV 5	12805	42315	43268	2.4	24.61	2568	-65196	SLV 1	12600	39534	45221	2.5	15.4	Si
1368	4X/2Y Ø8/10	-1719	-66007	SLV 5	12805	42315	43268	2.4	24.61	2568	-65087	SLV 1	12600	39534	45206	2.5	15.4	Si
1397	4X/2Y Ø8/14.4	-1719	-65898	SLV 5	12805	30516	42024	2.5	17.75	2568	-64978	SLV 1	12600	27370	45191	2.5	10.66	Si
1426	4X/2Y Ø8/14.4	-1719	-65789	SLV 5	12805	30516	42024	2.5	17.75	2568	-64870	SLV 1	12600	27370	45176	2.5	10.66	Si
1455	4X/2Y Ø8/14.4	-1719	-65681	SLV 5	12805	30516	42024	2.5	17.75	2568	-64761	SLV 1	12600	27370	45161	2.5	10.66	Si
1484	4X/2Y Ø8/14.4	-1719	-65572	SLV 5	12805	30516	42024	2.5	17.75	2568	-64652	SLV 1	12600	27370	45146	2.5	10.66	Si
1513	4X/2Y Ø8/14.4	-1719	-65463	SLV 5	12805	30516	42024	2.5	17.75	2568	-64543	SLV 1	12600	27370	45131	2.5	10.66	Si
1542	4X/2Y Ø8/10	-1719	-65354	SLV 5	12805	42315	43268	2.4	24.61	2568	-64435	SLV 1	12600	39534	45116	2.5	15.4	Si
1571	4X/2Y Ø8/10	-1719	-65246	SLV 5	12805	42315	43266	2.4	24.61	2568	-64326	SLV 1	12600	39534	45101	2.5	15.4	Si
1600	4X/2Y Ø8/10	-1719	-65137	SLV 5	12805	42315	43252	2.4	24.61	2568	-64217	SLV 1	12600	39534	45086	2.5	15.4	Si
1620	4X/2Y Ø8/10	-2816	-43763	SLV 9	11754	40552	41627	2.3	14.4	3661	-43882	SLV 1	11485	39534	42267	2.5	10.8	Si
1649	4X/2Y Ø8/10	-2816	-43656	SLV 9	11741	40552	41613	2.3	14.4	3661	-43775	SLV 1	11470	39534	42252	2.5	10.8	Si
1678	4X/2Y Ø8/10	-2816	-43547	SLV 9	11727	40552	41598	2.3	14.4	3661	-43666	SLV 1	11456	39534	42237	2.5	10.8	Si
1707	4X/2Y Ø8/14.4	-2816	-43438	SLV 9	11713	30516	39214	2.5	10.84	3661	-43558	SLV 1	11441	27370	42222	2.5	7.48	Si
1736	4X/2Y Ø8/14.4	-2816	-43330	SLV 9	11700	30516	39200	2.5	10.84	3661	-43449	SLV 1	11427	27370	42207	2.5	7.48	Si
1765	4X/2Y Ø8/14.4	-2816	-43221	SLV 9	11686	30516	39186	2.5	10.84	3661	-43340	SLV 1	11412	27370	42192	2.5	7.48	Si
1794	4X/2Y Ø8/14.4	-2816	-43112	SLV 9	11673	30516	39172	2.5	10.84	3661	-43231	SLV 1	11398	27370	42177	2.5	7.48	Si
1823	4X/2Y Ø8/14.4	-2816	-43003	SLV 9	11659	30516	39158	2.5	10.84	3661	-43123	SLV 1	11383	27370	42162	2.5	7.48	Si
1852	4X/2Y Ø8/10	-2816	-42895	SLV 9	11646	40552	41509	2.3	14.4	3661	-43014	SLV 1	11368	39534	42147	2.5	10.8	Si
1881	4X/2Y Ø8/10	-2816	-42786	SLV 9	11632	40552	41494	2.3	14.4	3661	-42905	SLV 1	11354	39534	42131	2.5	10.8	Si
1910	4X/2Y Ø8/10	-2816	-42679	SLV 9	11619	40552	41479	2.3	14.4	3661	-42798	SLV 1	11340	39534	42117	2.5	10.8	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	6X/2Y Ø8/10	-560	-159538	SLD 5	22477	66118	58834	2.5	105.11	-2857	-159846	SLD 15	22496	57236	65483	2.5	20.03	Si
-111	6X/2Y Ø8/10	-560	-159386	SLD 5	22477	66118	58834	2.5	105.11	-2857	-159694	SLD 15	22496	57236	65483	2.5	20.03	Si
-81	6X/2Y Ø8/10	-560	-159232	SLD 5	22477	66118	58834	2.5	105.11	-2857	-159540	SLD 15	22496	57236	65483	2.5	20.03	Si
-52	6X/2Y Ø8/10	-560	-159077	SLD 5	22477	66118	58834	2.5	105.11	-2857	-159385	SLD 15	22496	57236	65483	2.5	20.03	Si
-22	6X/2Y Ø8/15	-560	-158923	SLD 5	22477	44078	58834	2.5	78.75	-2857	-159231	SLD 15	22496	38157	65483	2.5	13.36	Si
7	6X/2Y Ø8/15	-560	-158769	SLD 5	22477	44078	58834	2.5	78.75	-2857	-159076	SLD 15	22496	38157	65483	2.5	13.36	Si
36	6X/2Y Ø8/15	-560	-158614	SLD 5	22477	44078	58834	2.5	78.75	-2857	-158922	SLD 15	22496	38157	65483	2.5	13.36	Si
66	6X/2Y Ø8/15	-560	-158460	SLD 5	22477	44078	58834	2.5	78.75	-2857	-158767	SLD 15	22496	38157	65483	2.5	13.36	Si
95	6X/2Y Ø8/15	-560	-158305	SLD 5	22477	44078	58834	2.5	78.75	-2857	-158613	SLD 15	22496	38157	65483	2.5	13.36	Si
125	6X/2Y Ø8/15	-560	-158149	SLD 5	22477	44078	58834	2.5	78.75	-2857	-158457	SLD 15	22496	38157	65483	2.5	13.36	Si
154	6X/2Y Ø8/15	-560	-157996	SLD 5	22477	44078	58834	2.5	78.75	-2857	-158304	SLD 15	22496	38157	65483	2.5	13.36	Si
184	6X/2Y Ø8/15	-560	-157842	SLD 5	22477	44078	58834	2.5	78.75	-2857	-158150	SLD 15	22496	38157	65483	2.5	13.36	Si
213	6X/2Y Ø8/15	-560	-157690	SLD 5	22477	44078	58834	2.5	78.75	-2857	-157998	SLD 15	22496	38157	65483	2.5	13.36	Si
242	6X/2Y Ø8/10	-560	-157533	SLD 5	22477	66118	58834	2.5	105.11	-2857	-157841	SLD 15	22496	57236	65483	2.5	20.03	Si
272	6X/2Y Ø8/10	-560	-157379	SLD 5	22477	66118	58834	2.5	105.11	-2857	-157687	SLD 15	22496	57236	65483	2.5	20.03	Si
301	6X/2Y Ø8/10	-560	-157224	SLD 5	22477	66118	58834	2.5	105.11	-2857	-157532	SLD 15	22496	57236	65483	2.5	20.03	Si
331	6X/2Y Ø8/10	-560	-157070	SLD 5	22477	66118	58834	2.5	105.11	-2857	-157378	SLD 15	22496	57236	65483	2.5	20.03	Si
360	6X/2Y Ø8/10	-560	-156918	SLD 5	22477	66118	58834	2.5	105.11	-2857	-157226	SLD 15	22496	57236	65483	2.5	20.03	Si
380	6X/2Y Ø8/10	-1272	-135161	SLD 5	22477	66118	58834	2.5	46.25	1602	-134362	SLD 1	22496	57236	65483	2.5	35.74	Si
409	6X/2Y Ø8/10	-1272	-135011	SLD 5	22477	66118	58834	2.5	46.25	1602	-134212	SLD 1	22496	57236	65483	2.5	35.74	Si
438	6X/2Y Ø8/10	-1272	-134859	SLD 5	22477	66118	58834	2.5	46.25	1602	-134060	SLD 1	22496	57236	65483	2.5	35.74	Si
467	6X/2Y Ø8/14.4	-1272	-134707	SLD 5	22477	45774	58834	2.5	35.98	1602	-133908	SLD 1	22496	39625	65483	2.5	24.74	Si
496	6X/2Y Ø8/14.4	-1272	-134554	SLD 5	22477	45774	58834	2.5	35.98	1602	-133755	SLD 1	22496	39625	65483	2.5	24.74	Si
525	6X/2Y Ø8/14.4	-1272	-134402	SLD 5	22477	45774	58834	2.5	35.98	1602	-133603	SLD 1	22496	39625	65483	2.5	24.74	Si
554	6X/2Y Ø8/14.4	-1272	-134250	SLD 5	22477	45774	58834	2.5	35.98	1602	-133451	SLD 1	22496	39625	65483	2.5	24.74	Si
583	6X/2Y Ø8/14.4	-1272	-134098	SLD 5	22477	45774	58834	2.5	35.98	1602	-133299	SLD 1	22496	39625	65483	2.5	24.74	Si
612	6X/2Y Ø8/10	-1272	-133945	SLD 5	22477	66118	58834	2.5	46.25	1602	-133146	SLD 1	22496	57236	65483	2.5	35.74	Si
641	6X/2Y Ø8/10	-1272	-133793	SLD 5	22477	66118	58834	2.5	46.25	1602	-132994	SLD 1	22496	57236	65483	2.5	35.74	Si
670	6X/2Y Ø8/10	-1272	-133641	SLD 5	22477	66118	58834	2.5	46.25	1602	-132842	SLD 1	22496	57236	65483	2.5	35.74	Si
690	5X/2Y Ø8/10	-1165	-111474	SLD 5	19266	55098	50429	2.5	43.27	1497	-110769	SLD 1	19310	48385	55356	2.5	32.31	Si
719	5X/2Y Ø8/10	-1165	-111345	SLD 5	19266	55098	50429	2.5	43.27	1497	-110640	SLD 1	19310	48385	55356	2.5	32.31	Si
748	5X/2Y Ø8/10	-1165	-111215	SLD 5	19266	55098	50429	2.5	43.27	1497	-110510	SLD 1	19310	48385	55356	2.5	32.31	Si
777	5X/2Y Ø8/14.4	-1165	-111084	SLD 5	19266	38145	50429	2.5	32.73	1497	-110379	SLD 1	19310	33497	55356	2.5	22.37	Si
806	5X/2Y Ø8/14.4	-1165	-110954	SLD 5	19266	38145	50429	2.5	32.73	1497	-110249	SLD 1	19310	33497	55356	2.5	22.37	Si
835	5X/2Y Ø8/14.4	-1165	-110823	SLD 5	19266	38145	50429	2.5	32.73	1497	-110118	SLD 1	19310	33497	55356	2.5	22.37	Si
864	5X/2Y Ø8/14.4	-1165	-110693	SLD 5	19266	38145	50429	2.5	32.73	1497	-109988	SLD 1	19310	33497	55356	2.5	22.37	Si
893	5X/2Y Ø8/14.4	-1165	-110562	SLD 5	19266	38145	50429	2.5	32.73	1497	-109857	SLD 1	19310	33497	55356	2.5	22.37	Si
922	5X/2Y Ø8/10	-1165	-110432	SLD 5	19266	55098	50429	2.5	43.27	1497	-109727	SLD 1	19310	48385	55356	2.5	32.31	Si
951	5X/2Y Ø8/10	-1165	-110301	SLD 5	19266	55098	50429	2.5	43.27	1497	-109596	SLD 1	19310	48385	55356	2.5	32.31	Si
980	5X/2Y Ø8/10	-1165	-110173	SLD 5	19266	55098	50429	2.5	43.27	1497	-109468	SLD 1	19310	48385	55356	2.5	32.31	Si
1000	4X/2Y Ø8/10	-1006	-88981	SLD 5	16055	44078	42024	2.5	41.78	1184	-88395	SLD 1	16098	39534	45230	2.5	33.4	Si
1029	4X/2Y Ø8/10	-1006	-88872	SLD 5	16055	44078	42024	2.5	41.78	1184	-88287	SLD 1	16098	39534	45230	2.5	33.4	Si
1058	4X/2Y Ø8/10	-1006	-88763	SLD 5	16055	44078	42024	2.5	41.78	1184	-88178	SLD 1	16098	39534	45230	2.5	33.4	Si
1087	4X/2Y Ø8/14.4	-1006	-88654	SLD 5	16055	30516	42024	2.5	30.34	1184	-88069	SLD 1	16098	27370	45230	2.5	23.12	Si
1116	4X/2Y Ø8/14.4	-1006	-88546	SLD 5	16055	30516	42024	2.5	30.34	1184	-87960	SLD 1	16098	27370	45230	2.5	23.12	Si
1145	4X/2Y Ø8/14.4	-1006	-88437	SLD 5	16055	30516	42024	2.5	30.34	1184	-87852	SLD 1	16098	27370	45230	2.5	23.12	Si
1174	4X/2Y Ø8/14.4	-1006	-88328	SLD 5	16055	30516	42024	2.5	30.34	1184	-87743	SLD 1	16098	27370	45230	2.5	23.12	Si
1203	4X/2Y Ø8/14.4	-1006	-88219	SLD 5	16055	30516	42024	2.5	30.34	1184	-87634	SLD 1	16098	27370	45230	2.5	23.12	Si
1232	4X/2Y Ø8/10	-1006	-88111	SLD 5	16055	44078	42024	2.5	41.78	1184	-87525	SLD 1	16098	39534	45230	2.5	33.4	Si
1261	4X/2Y Ø8/10	-1006	-88002	SLD 5	16055	44078	42024	2.5	41.78	1184	-87417	SLD 1	16098	39534	45230	2.5	33.4	Si
1290	4X/2Y Ø8/10	-1006	-87893	SLD 5	16055	44078	42024	2.5	41.78	1184	-87308	SLD 1	16098	39534	45230	2.5	33.4	Si
1310	4X/2Y Ø8/10	-888	-65885	SLD 5	14508	44078	42024	2.5	47.3	1133	-65459	SLD 1	14376	39534	45230	2.5	34.88	Si
1339	4X/2Y Ø8/10	-888	-65778	SLD 5	14495	44078	42024	2.5	47.3	1133	-65353	SLD 1	14362	39534	45230	2.5	34.88	Si
1368	4X/2Y Ø8/10	-888	-65670	SLD 5	14481	44078	42024	2.5	47.3	1133	-65244	SLD 1	14347	39534	45228	2.5	34.88	Si
1397	4X/2Y Ø8/14.4	-888	-65561	SLD 5	14468	30516	42024	2.5	34.35	1133	-65135	SLD 1	14333	27370	45213	2.5	24.15	Si
1426	4X/2Y Ø8/14.4	-888	-65452	SLD 5	14454	30516	42024	2.5	34.35	1133	-65026	SLD 1	14318	27370	45198	2.5	24.15	Si
1455	4X/2Y Ø8/14.4	-888	-65343	SLD 5	14441	30516	42024	2.5	34.35	1133	-64918	SLD 1	14303	27370	45183	2.5	24.15	Si
1484	4X/2Y Ø8/14.4	-888	-65235	SLD 5	14427	30516	42021	2.5	34.35	1133	-64809	SLD 1	14289	27370	45168	2.5	24.15	Si
1513	4X/2Y Ø8/14.4	-888	-65126	SLD 5	14414	30516	42007	2.5	34.35	1133	-64700	SLD 1	14274	27370	45153	2.5	24.15	Si
1542	4X/2Y Ø8/10	-888	-65017	SLD 5	14400	44078	41993	2.5	47.27	1133	-64591	SLD 1	14260	39534	45138	2.5	34.88	Si
1571	4X/2Y Ø8/10	-888	-64908	SLD 5	14386	44078	41979	2.5	47.25	1133	-64483	SLD 1	14245	39534	45122	2.5	34.88	Si
1600	4X/2Y Ø8/10	-888	-64800	SLD 5	14373	44078	41965	2.5	47.24	1133	-64374	SLD 1	14231	39534	45107	2.5	34.88	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1620	4X/2Y Ø8/10	-1588	-43430	SLD 9	11712	44078	39213	2.5	24.69	2109	-43475	SLD 1	11430	39534	42210	2.5	18.74	Si
1649	4X/2Y Ø8/10	-1588	-43323	SLD 9	11699	44078	39199	2.5	24.68	2109	-43368	SLD 1	11416	39534	42196	2.5	18.74	Si
1678	4X/2Y Ø8/10	-1588	-43214	SLD 9	11686	44078	39185	2.5	24.67	2109	-43259	SLD 1	11401	39534	42181	2.5	18.74	Si
1707	4X/2Y Ø8/14.4	-1588	-43106	SLD 9	11672	30516	39171	2.5	19.21	2109	-43150	SLD 1	11387	27370	42165	2.5	12.98	Si
1736	4X/2Y Ø8/14.4	-1588	-42997	SLD 9	11658	30516	39157	2.5	19.21	2109	-43041	SLD 1	11372	27370	42150	2.5	12.98	Si
1765	4X/2Y Ø8/14.4	-1588	-42888	SLD 9	11645	30516	39143	2.5	19.21	2109	-42933	SLD 1	11358	27370	42135	2.5	12.98	Si
1794	4X/2Y Ø8/14.4	-1588	-42779	SLD 9	11631	30516	39129	2.5	19.21	2109	-42824	SLD 1	11343	27370	42120	2.5	12.98	Si
1823	4X/2Y Ø8/14.4	-1588	-42671	SLD 9	11618	30516	39115	2.5	19.21	2109	-42715	SLD 1	11328	27370	42105	2.5	12.98	Si
1852	4X/2Y Ø8/10	-1588	-42562	SLD 9	11604	44078	39101	2.5	24.62	2109	-42606	SLD 1	11314	39534	42090	2.5	18.74	Si
1881	4X/2Y Ø8/10	-1588	-42453	SLD 9	11591	44078	39087	2.5	24.61	2109	-42498	SLD 1	11299	39534	42075	2.5	18.74	Si
1910	4X/2Y Ø8/10	-1588	-42346	SLD 9	11577	44078	39073	2.5	24.6	2109	-42391	SLD 1	11285	39534	42060	2.5	18.74	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	283222	30534	-184872	SLE RA 12	-87.3	283222	30534	-184872	SLE RA 12	-1274.3	Si
-111	260728	26557	-184720	SLE RA 12	-86.1	260728	26557	-184720	SLE RA 12	-1260.4	Si
-81	237845	22510	-184565	SLE RA 12	-85	237845	22510	-184565	SLE RA 12	-1246.4	Si
-52	214962	18463	-184411	SLE RA 12	-83.8	214962	18463	-184411	SLE RA 12	-1232.3	Si
-22	192079	14416	-184257	SLE RA 12	-82.6	192079	14416	-184257	SLE RA 12	-1218.2	Si
7	169196	10370	-184102	SLE RA 12	-81.5	169196	10370	-184102	SLE RA 12	-1204.1	Si
36	146313	6323	-183948	SLE RA 12	-80.3	146313	6323	-183948	SLE RA 12	-1190	Si
66	123429	2276	-183793	SLE RA 12	-79.1	123429	2276	-183793	SLE RA 12	-1176	Si
95	100546	-1771	-183639	SLE RA 12	-78.2	100546	-1771	-183639	SLE RA 12	-1164.6	Si
125	77435	-5858	-183483	SLE RA 12	-77.7	77435	-5858	-183483	SLE RA 12	-1156.5	Si
154	57061	-11701	-183275	SLE RA 13	-77.3	57061	-11701	-183275	SLE RA 13	-1150.6	Si
184	39129	-16481	-183120	SLE RA 13	-77	39129	-16481	-183120	SLE RA 13	-1145.4	Si
213	21467	-21190	-182968	SLE RA 13	-76.7	21467	-21190	-182968	SLE RA 13	-1140.2	Si
242	-13869	-22004	-182867	SLE RA 12	-76.5	-13869	-22004	-182867	SLE RA 12	-1136.9	Si
272	-36752	-26051	-182713	SLE RA 12	-77.5	-36752	-26051	-182713	SLE RA 12	-1149.1	Si
301	-59635	-30098	-182558	SLE RA 12	-78.6	-59635	-30098	-182558	SLE RA 12	-1161.3	Si
331	-82518	-34145	-182404	SLE RA 12	-79.6	-82518	-34145	-182404	SLE RA 12	-1173.5	Si
360	-105012	-38123	-182252	SLE RA 12	-80.6	-105012	-38123	-182252	SLE RA 12	-1185.5	Si
380	-132987	87588	-157636	SLE RA 12	-75.5	-132987	87588	-157636	SLE RA 12	-1085.1	Si
409	-117554	72733	-157486	SLE RA 12	-73.7	-117554	72733	-157486	SLE RA 12	-1066.2	Si
438	-101851	57618	-157334	SLE RA 12	-71.9	-101851	57618	-157334	SLE RA 12	-1046.9	Si
467	-86147	42503	-157182	SLE RA 12	-70.1	-86147	42503	-157182	SLE RA 12	-1027.7	Si
496	-70444	27388	-157030	SLE RA 12	-68.4	-70444	27388	-157030	SLE RA 12	-1008.5	Si
525	-54740	12273	-156877	SLE RA 12	-66.6	-54740	12273	-156877	SLE RA 12	-989.2	Si
554	-39037	-2843	-156725	SLE RA 12	-65.2	-39037	-2843	-156725	SLE RA 12	-974.3	Si
583	-23333	-17958	-156573	SLE RA 12	-65.8	-23333	-17958	-156573	SLE RA 12	-977.8	Si
612	-7630	-33073	-156421	SLE RA 12	-66.4	-7630	-33073	-156421	SLE RA 12	-981.3	Si
641	8074	-48188	-156268	SLE RA 12	-67.4	8074	-48188	-156268	SLE RA 12	-990.4	Si
670	23777	-63304	-156116	SLE RA 12	-66.2	23777	-63304	-156116	SLE RA 12	-966.7	Si
690	-8712	69362	-130983	SLE RA 12	-67.1	-16757	64841	-130963	SLE RA 13	-973.6	Si
719	-4649	54249	-130855	SLE RA 12	-66.6	-11654	50690	-130835	SLE RA 13	-973.4	Si
748	-6462	36290	-130704	SLE RA 13	-65.8	-6462	36290	-130704	SLE RA 13	-968.7	Si
777	3621	23492	-130594	SLE RA 12	-64.5	3621	23492	-130594	SLE RA 12	-955	Si
806	7755	8113	-130464	SLE RA 12	-63.2	7755	8113	-130464	SLE RA 12	-942.9	Si
835	11890	-7266	-130333	SLE RA 12	-63.2	11890	-7266	-130333	SLE RA 12	-943.6	Si
864	16025	-22644	-130203	SLE RA 12	-64.8	16025	-22644	-130203	SLE RA 12	-958.7	Si
893	20160	-38023	-130072	SLE RA 12	-66.3	20160	-38023	-130072	SLE RA 12	-973.8	Si
922	24294	-53402	-129942	SLE RA 12	-67.9	24294	-53402	-129942	SLE RA 12	-988.9	Si
951	28429	-68781	-129811	SLE RA 12	-69.3	28429	-68781	-129811	SLE RA 12	-1002	Si
980	32493	-83894	-129683	SLE RA 12	-67.3	32493	-83894	-129683	SLE RA 12	-968.7	Si
1000	-30409	79885	-105722	SLE RA 12	-69.2	-30409	79885	-105722	SLE RA 12	-986.2	Si
1029	-22576	65390	-105613	SLE RA 12	-68.4	-22576	65390	-105613	SLE RA 12	-983.2	Si
1058	-14744	50895	-105504	SLE RA 12	-67.2	-14744	50895	-105504	SLE RA 12	-975.2	Si
1087	-6911	36400	-105395	SLE RA 12	-65	-6911	36400	-105395	SLE RA 12	-952.4	Si
1116	922	21906	-105287	SLE RA 12	-63	922	21906	-105287	SLE RA 12	-931.2	Si
1145	8754	7411	-105178	SLE RA 12	-61.8	8754	7411	-105178	SLE RA 12	-921	Si
1174	16587	-7084	-105069	SLE RA 12	-62.3	16587	-7084	-105069	SLE RA 12	-926.1	Si
1203	24420	-21579	-104960	SLE RA 12	-64.3	24420	-21579	-104960	SLE RA 12	-947	Si
1232	32252	-36073	-104852	SLE RA 12	-66.4	32252	-36073	-104852	SLE RA 12	-967.9	Si
1261	40085	-50568	-104743	SLE RA 12	-68.5	40085	-50568	-104743	SLE RA 12	-988.8	Si
1290	47918	-65063	-104634	SLE RA 12	-70.6	47918	-65063	-104634	SLE RA 12	-1009.7	Si
1310	-22672	59935	-79820	SLE RA 13	-54	-22672	59935	-79820	SLE RA 13	-770	Si
1339	-18389	47900	-79713	SLE RA 13	-52.3	-18389	47900	-79713	SLE RA 13	-752.8	Si
1368	-14031	35654	-79605	SLE RA 13	-50.6	-14031	35654	-79605	SLE RA 13	-735.2	Si
1397	-9673	23409	-79496	SLE RA 13	-48.9	-9673	23409	-79496	SLE RA 13	-717.7	Si
1426	-5314	11163	-79387	SLE RA 13	-47.2	-5314	11163	-79387	SLE RA 13	-700.1	Si
1455	408	-1402	-79288	SLE RA 12	-45.7	-956	-1083	-79278	SLE RA 13	-684.9	Si
1484	4026	-14223	-79179	SLE RA 12	-47.3	4026	-14223	-79179	SLE RA 12	-700.5	Si
1513	7645	-27044	-79070	SLE RA 12	-48.9	7645	-27044	-79070	SLE RA 12	-716.2	Si
1542	11263	-39865	-78962	SLE RA 12	-50.5	11263	-39865	-78962	SLE RA 12	-731.9	Si
1571	14882	-52686	-78853	SLE RA 12	-52.1	14882	-52686	-78853	SLE RA 12	-747.6	Si
1600	18500	-65507	-78744	SLE RA 12	-53.7	18500	-65507	-78744	SLE RA 12	-763.3	Si
1620	-100839	106635	-54764	SLE RA 13	-50.2	-100839	106635	-54764	SLE RA 13	-667.3	Si
1649	-63349	81039	-54657	SLE RA 13	-44.7	-63349	81039	-54657	SLE RA 13	-608.7	Si
1678	-25202	54995	-54548	SLE RA 13	-39.1	-25202	54995	-54548	SLE RA 13	-549.1	Si
1707	13722	29412	-54446	SLE RA 12	-35.5	13722	29412	-54446	SLE RA 12	-511.6	Si
1736	51067	2904	-54338	SLE RA 12	-35	51067	2904	-54338	SLE RA 12	-512.5	Si
1765	89240	-23139	-54222	SLE RA 13	-39.8	89240	-23139	-54222	SLE RA 13	-564	Si
1794	127387	-49184	-54113	SLE RA 13	-45.2	127387	-49184	-54113	SLE RA 13	-621.7	Si
1823	165535	-75228	-54004	SLE RA 13	-50.7	165535	-75228	-54004	SLE RA 13	-679.5	Si
1852	203682	-101273	-53896	SLE RA 13	-56.1	203682	-101273	-53896	SLE RA 13	-737.2	Si
1881	241829	-127317	-53787	SLE RA 13	-61.5	241829	-127317	-53787	SLE RA 13	-795	Si
1910	279319	-152913	-53680	SLE RA 13	-66.9	279319	-152913	-53680	SLE RA 13	-851.7	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	234995	19756	-159256	SLE QP 2	-74.4	Si
-111	216277	17000	-159104	SLE QP 2	-73.5	Si
-81	197235	14196	-158950	SLE QP 2	-72.5	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
-52	178193	11392	-158795	SLE QP 2	-71.6	Si
-22	159152	8589	-158641	SLE QP 2	-70.6	Si
7	140110	5785	-158486	SLE QP 2	-69.7	Si
36	121069	2981	-158332	SLE QP 2	-68.7	Si
66	102027	178	-158177	SLE QP 2	-67.8	Si
95	82985	-2626	-158023	SLE QP 2	-67.3	Si
125	63753	-5458	-157867	SLE QP 2	-66.8	Si
154	44902	-8233	-157714	SLE QP 2	-66.3	Si
184	25861	-11037	-157560	SLE QP 2	-65.8	Si
213	7105	-13799	-157408	SLE QP 2	-65.3	Si
242	-12223	-16645	-157251	SLE QP 2	-65.6	Si
272	-31264	-19448	-157097	SLE QP 2	-66.4	Si
301	-50306	-22252	-156942	SLE QP 2	-67.2	Si
331	-69347	-25056	-156788	SLE QP 2	-68	Si
360	-88065	-27812	-156636	SLE QP 2	-68.8	Si
380	-117641	68422	-134890	SLE QP 2	-64.2	Si
409	-103749	56909	-134740	SLE QP 2	-62.8	Si
438	-89614	45194	-134588	SLE QP 2	-61.3	Si
467	-75479	33478	-134435	SLE QP 2	-59.8	Si
496	-61343	21763	-134283	SLE QP 2	-58.4	Si
525	-47208	10048	-134131	SLE QP 2	-56.9	Si
554	-33072	-1667	-133979	SLE QP 2	-55.7	Si
583	-18937	-13382	-133826	SLE QP 2	-56.1	Si
612	-4801	-25098	-133674	SLE QP 2	-56.4	Si
641	9334	-36813	-133522	SLE QP 2	-57.3	Si
670	23470	-48528	-133370	SLE QP 2	-56.2	Si
690	-11216	53795	-111204	SLE QP 2	-56.7	Si
719	-6957	42013	-111076	SLE QP 2	-56.3	Si
748	-2624	30025	-110945	SLE QP 2	-55.7	Si
777	1710	18036	-110815	SLE QP 2	-54.5	Si
806	6043	6048	-110684	SLE QP 2	-53.5	Si
835	10376	-5941	-110554	SLE QP 2	-53.6	Si
864	14710	-17929	-110423	SLE QP 2	-54.9	Si
893	19043	-29918	-110293	SLE QP 2	-56.1	Si
922	23377	-41906	-110162	SLE QP 2	-57.4	Si
951	27710	-53895	-110032	SLE QP 2	-58.5	Si
980	31969	-65677	-109903	SLE QP 2	-56.8	Si
1000	-29339	62757	-88700	SLE QP 2	-57.9	Si
1029	-21950	51396	-88591	SLE QP 2	-57.2	Si
1058	-14560	40034	-88482	SLE QP 2	-56.2	Si
1087	-7171	28673	-88373	SLE QP 2	-54.4	Si
1116	219	17311	-88265	SLE QP 2	-52.6	Si
1145	7608	5950	-88156	SLE QP 2	-51.8	Si
1174	14998	-5412	-88047	SLE QP 2	-52.2	Si
1203	22387	-16773	-87938	SLE QP 2	-53.9	Si
1232	29777	-28135	-87830	SLE QP 2	-55.6	Si
1261	37166	-39496	-87721	SLE QP 2	-57.3	Si
1290	44556	-50858	-87612	SLE QP 2	-59	Si
1310	-21929	48597	-65582	SLE QP 2	-44.5	Si
1339	-17271	38732	-65475	SLE QP 2	-43.1	Si
1368	-12531	28694	-65367	SLE QP 2	-41.6	Si
1397	-7792	18656	-65258	SLE QP 2	-40.1	Si
1426	-3052	8618	-65149	SLE QP 2	-38.6	Si
1455	1687	-1420	-65040	SLE QP 2	-37.6	Si
1484	6427	-11458	-64932	SLE QP 2	-39	Si
1513	11166	-21496	-64823	SLE QP 2	-40.4	Si
1542	15906	-31535	-64714	SLE QP 2	-41.7	Si
1571	20645	-41573	-64605	SLE QP 2	-43.1	Si
1600	25385	-51611	-64497	SLE QP 2	-44.5	Si
1620	-82790	83916	-43124	SLE QP 2	-39.7	Si
1649	-52878	63762	-43017	SLE QP 2	-35.4	Si
1678	-22441	43255	-42908	SLE QP 2	-31	Si
1707	7996	22748	-42799	SLE QP 2	-27.6	Si
1736	38433	2241	-42691	SLE QP 2	-27.4	Si
1765	68870	-18266	-42582	SLE QP 2	-31.2	Si
1794	99307	-38774	-42473	SLE QP 2	-35.5	Si
1823	129744	-59281	-42364	SLE QP 2	-39.8	Si
1852	160181	-79788	-42256	SLE QP 2	-44.1	Si
1881	190618	-100295	-42147	SLE QP 2	-48.4	Si
1910	220530	-120448	-42040	SLE QP 2	-52.6	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

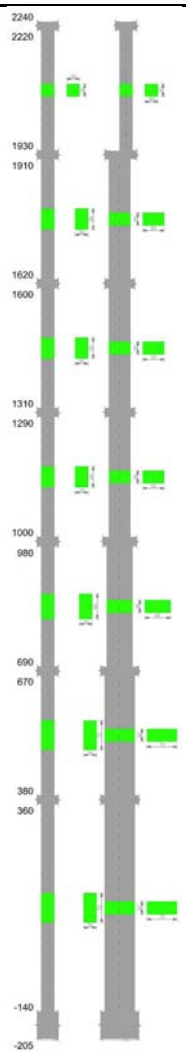
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.

Pilastro 15

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x70	No	No	No	No		C30/37	B450C	
380	670	R 30x70	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	
1620	1910	R 30x50	No	No	No	No		C30/37	B450C	
1930	2220	R 30x30 1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.67	-29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.67	29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.67	29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	-18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	-6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	-18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	-6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.2	-9.67	-29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.67	-29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.67	29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.67	29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	-18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	-6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	-18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	-6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	18.42	1.6	2.011	-140	380	R 30x70	B450C
p.3	-9.67	-29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	9.67	-29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	9.67	29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	-9.67	29.67	1.6	2.011	380	690	R 30x70	B450C
p.5	-9.9	-18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	-9.9	18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	9.9	-18.42	1.6	2.011	380	690	R 30x70	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.5	9.9	18.42	1.6	2.011	380	690	R 30x70	B450C
p.6	-9.9	-6.14	1.6	2.011	380	690	R 30x70	B450C
p.6	-9.9	6.14	1.6	2.011	380	690	R 30x70	B450C
p.6	9.9	-6.14	1.6	2.011	380	690	R 30x70	B450C
p.6	9.9	6.14	1.6	2.011	380	690	R 30x70	B450C
p.7	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.7	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.9	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.9	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.9	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.9	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.10	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.10	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.11	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.12	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.12	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.13	-9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.13	9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.15	9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.15	-9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.16	-9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.16	9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.15	-9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.15	9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.19	-9.67	5.33	1.6	2.011	1920	2240	R 30x30_1	B450C
p.19	9.67	5.33	1.6	2.011	1920	2240	R 30x30_1	B450C
p.19	9.67	24.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.19	-9.67	24.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.20	0	5.1	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.20	0	24.9	1.6	2.011	1930.1	2240	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	2.3	0	1,2	674344	-674344	-248606	967634	-967634	SLU 51	1.435	Si
-111	24.13	2.3	0	1,2	673809	-673809	-248409	967634	-967634	SLU 51	1.436	Si
-81	24.13	1.1	0	2	673264	-673264	-248208	967634	-967634	SLU 51	1.437	Si
-52	24.13	1.1	0	2	672720	-672720	-248007	967634	-967634	SLU 51	1.438	Si
-22	24.13	1.1	0	2	672175	-672175	-247806	967634	-967634	SLU 51	1.44	Si
7	24.13	1.1	0	2	671631	-671631	-247606	967634	-967634	SLU 51	1.441	Si
36	24.13	1.1	0	2	671086	-671086	-247405	967634	-967634	SLU 51	1.442	Si
66	24.13	1.1	0	2	670542	-670542	-247204	967634	-967634	SLU 51	1.443	Si
95	24.13	1.1	0	2	669997	-669997	-247004	967634	-967634	SLU 51	1.444	Si
125	24.13	1.1	0	2	669447	-669447	-246801	967634	-967634	SLU 51	1.445	Si
154	24.13	1.1	0	2	668908	668908	-246602	967634	967634	SLU 51	1.447	Si
184	24.13	1.1	0	2	668364	668364	-246401	967634	967634	SLU 51	1.448	Si
213	24.13	1.1	0	2	-667827	667827	-246204	-967634	967634	SLU 51	1.449	Si
242	24.13	1.1	0	2	-667275	667275	-246000	-967634	967634	SLU 51	1.45	Si
272	24.13	1.1	0	2	-666730	666730	-245799	-967634	967634	SLU 51	1.451	Si
301	24.13	1.1	0	2	-666186	666186	-245598	-967634	967634	SLU 51	1.452	Si
331	24.13	1.1	0	2	-665641	665641	-245398	-967634	967634	SLU 51	1.454	Si
360	24.13	1.1	0	2	-665106	665106	-245200	-967634	967634	SLU 51	1.455	Si
380	24.13	2.3	0	2,3,5,6	408382	-408382	-204191	763108	-763108	SLU 51	1.869	Si
409	24.13	2.3	0	2,3,5,6	407986	-407986	-203993	763108	-763108	SLU 51	1.87	Si
438	24.13	1.1	0	3,5,6	407591	-407591	-203795	763108	-763108	SLU 51	1.872	Si
467	24.13	1.1	0	3,5,6	407195	-407195	-203597	763108	-763108	SLU 51	1.874	Si
496	24.13	1.1	0	3,5,6	406799	-406799	-203399	763108	-763108	SLU 51	1.876	Si
525	24.13	1.1	0	3,5,6	406403	406403	-203202	763108	763108	SLU 51	1.878	Si
554	24.13	1.1	0	3,5,6	-406007	406007	-203004	-763108	763108	SLU 51	1.88	Si
583	24.13	1.1	0	3,5,6	-405611	405611	-202806	-763108	763108	SLU 51	1.881	Si
612	24.13	1.1	0	3,5,6	-405215	405215	-202608	-763108	763108	SLU 51	1.883	Si
641	24.39	1.5	0	3,4,5,6	-404820	404820	-202410	-764835	764835	SLU 51	1.889	Si
670	31.44	1.9	0	3,4,5,6	-404424	404424	-202212	-811233	811233	SLU 51	2.006	Si
690	24.13	2.5	0	4,5,6,7,9,10	328330	-328330	-164165	673235	-673235	SLU 51	2.05	Si
719	21.83	2.5	0	4,5,6,7,9,10	327997	-327997	-163999	658510	-658510	SLU 51	2.008	Si
748	20.11	1.1	0	7,9,10	327658	-327658	-163829	647491	-647491	SLU 51	1.976	Si
777	20.11	1.1	0	7,9,10	327318	-327318	-163659	647491	-647491	SLU 51	1.978	Si
806	20.11	1.1	0	7,9,10	326979	-326979	-163490	647491	-647491	SLU 51	1.98	Si
835	20.11	1.1	0	7,9,10	326640	326640	-163320	647491	647491	SLU 51	1.982	Si
864	20.11	1.1	0	7,9,10	-326301	326301	-163150	-647491	647491	SLU 51	1.984	Si
893	20.11	1.1	0	7,9,10	-325961	325961	-162981	-647491	647491	SLU 51	1.986	Si
922	20.11	1.1	0	7,9,10	-325622	325622	-162811	-647491	647491	SLU 51	1.988	Si
951	20.37	1.6	0	7,8,9,10	-325283	325283	-162641	-649217	649217	SLU 51	1.996	Si
980	27.42	2	0	7,8,9,10	-324949	324949	-162475	-695580	695580	SLU 51	2.141	Si
1000	20.11	2.4	0	8,9,10,11	247875	-247875	-123938	556148	-556148	SLU 51	2.244	Si
1029	17.8	2.4	0	8,9,10,11	247592	-247592	-123796	541580	-541580	SLU 51	2.187	Si
1058	16.08	1.1	0	11	247310	-247310	-123655	530708	-530708	SLU 51	2.146	Si
1087	16.08	1.1	0	11	247027	-247027	-123513	530708	-530708	SLU 51	2.148	Si
1116	16.08	1.1	0	11	246744	-246744	-123372	530708	-530708	SLU 51	2.151	Si
1145	16.08	1.1	0	11	246461	-246461	-123231	530708	-530708	SLU 51	2.153	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1174	16.08	1.1	0	11	-246179	-246179	-123089	-530708	-530708	SLU 51	2.156	Si
1203	16.08	1.1	0	11	-245896	-245896	-122948	-530708	-530708	SLU 51	2.158	Si
1232	16.08	1.1	0	11	-245613	-245613	-122807	-530708	-530708	SLU 51	2.161	Si
1261	16.08	1.1	0	11	-245330	-245330	-122665	-530708	-530708	SLU 51	2.163	Si
1290	16.08	1.1	0	11	-245048	-245048	-122524	-530708	-530708	SLU 51	2.166	Si
1310	16.08	2.1	0	11,12	156565	156565	-78282	530708	530708	SLU 51	3.39	Si
1339	16.08	2.1	0	11,12	156287	156287	-78144	530708	530708	SLU 51	3.396	Si
1368	16.08	1.1	0	12	156004	156004	-78002	530708	530708	SLU 51	3.402	Si
1397	16.08	1.1	0	12	155722	155722	-77861	530708	530708	SLU 51	3.408	Si
1426	16.08	1.1	0	12	155439	155439	-77719	530708	530708	SLU 51	3.414	Si
1455	16.08	1.1	0	12	-155156	155156	-77578	-530708	530708	SLU 51	3.42	Si
1484	16.08	1.1	0	12	-154873	-154873	-77437	-530708	-530708	SLU 51	3.427	Si
1513	16.08	1.1	0	12	-154591	-154591	-77295	-530708	-530708	SLU 51	3.433	Si
1542	16.08	1.1	0	12	-154308	-154308	-77154	-530708	-530708	SLU 51	3.439	Si
1571	16.08	1.1	0	12	-154025	-154025	-77013	-530708	-530708	SLU 51	3.446	Si
1600	16.08	1.1	0	12	-165786	-153742	-76871	-569712	-528324	SLU 51	3.436	Si
1620	16.08	2.1	0	12,13,15,16	143237	-127440	-36369	871664	-775536	SLU 49	6.085	Si
1649	16.08	2.1	0	12,13,15,16	116745	-74478	-37239	800097	-510424	SLU 52	6.853	Si
1678	16.08	1.1	0	13,15,16	79429	-74195	-37097	565846	-528562	SLU 52	7.124	Si
1707	16.08	1.1	0	13,15,16	73912	73912	-36956	530708	530708	SLU 52	7.18	Si
1736	16.08	1.1	0	13,15,16	73629	73629	-36815	530708	530708	SLU 52	7.208	Si
1765	16.08	1.1	0	13,15,16	-73322	80824	-36661	-522523	575986	SLU 51	7.126	Si
1794	16.08	1.1	0	13,15,16	-73039	119757	-36519	-480171	787303	SLU 51	6.574	Si
1823	16.08	1.1	0	13,15,16	-108613	158690	-36378	-638493	932878	SLU 51	5.879	Si
1852	16.08	1.1	0	13,15,16	-145736	197623	-36237	-760824	1031709	SLU 51	5.221	Si
1881	16.08	1.1	0	13,15,16	-182858	236556	-36095	-843211	1090830	SLU 51	4.611	Si
1910	28.88	2.7	0	13,14,15,16,17,18	-219981	275490	-35954	-1008222	1262632	SLU 51	4.583	Si
1930	17.78	2.7	0	14,15,17,18,19	245743	88298	-14206	856821	307864	SLU 52	3.487	Si
1959	10.87	3.1	0	14,15,17,18,19,20	193155	71521	-14123	720336	266724	SLU 52	3.729	Si
1988	12.06	1.3	0	19,20	139645	54450	-14038	726536	283289	SLU 52	5.203	Si
2017	12.06	1.3	0	19,20	86135	37379	-13953	655458	284441	SLU 52	7.61	Si
2046	12.06	1.3	0	19,20	32624	27737	-13869	362734	308398	SLU 52	11.119	Si
2075	12.06	1.3	0	19,20	-27567	27567	-13784	-316346	316346	SLU 52	11.475	Si
2104	12.06	1.3	0	19,20	-76030	-27064	-13532	-650431	-231533	SLU 47	8.555	Si
2133	12.06	1.3	0	19,20	-127977	-31354	-13604	-768549	-188291	SLU 51	6.005	Si
2162	12.06	1.3	0	19,20	-181418	-47977	-13529	-768239	-203165	SLU 52	4.235	Si
2191	12.06	1.3	0	19,20	-234928	-65048	-13444	-736420	-203904	SLU 52	3.135	Si
2220	16.59	2.7	0	19,20	-288439	-82119	-13360	-829688	-236214	SLU 52	2.876	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	24.13	2.3	0	1,2	-1584108	-441575	-154305	-2.02	1.92	-2397898	-668421	SLV 11	1.514				Si
-111	24.13	2.3	0	1,2	-1464042	-399793	-154154	-2.02	1.92	-2331916	-636787	SLV 11	1.593				Si
-81	24.13	1.1	0	2	-1341918	-357290	-153999	-2.02	1.92	-2250524	-599210	SLV 11	1.677				Si
-52	24.13	1.1	0	2	-1219817	-314791	-153845	-2.02	1.92	-2152753	-555547	SLV 11	1.765				Si
-22	24.13	1.1	0	2	-1097749	-272295	-153690	-2.02	1.92	-2038200	-505573	SLV 11	1.857				Si
7	24.13	1.1	0	2	-975724	-229806	-153536	-2.02	1.92	-1905808	-448864	SLV 11	1.953				Si
36	24.13	1.1	0	2	-853758	-187328	-153381	-2.02	1.92	-1756512	-385406	SLV 11	2.057				Si
66	24.13	1.1	0	2	-731893	-144871	-153227	-2.02	1.92	-1590409	-314807	SLV 11	2.173				Si
95	24.13	1.1	0	2	-610178	-102461	-153073	-2.02	1.92	-1404514	-235847	SLV 11	2.302				Si
125	24.13	1.1	0	2	-487504	-59762	-152917	-2.02	1.92	-1192929	-146238	SLV 11	2.447				Si
154	24.13	1.1	0	2	-261357	-29937	-153149	-2.02	1.92	-660046	-75606	SLV 15	2.525				Si
184	24.13	1.1	0	2	-177070	22369	-152994	-2.02	1.92	-447634	56549	SLV 15	2.528				Si
213	24.13	1.1	0	2	-97787	78517	-152842	-2.02	1.92	-247453	198689	SLV 15	2.531				Si
242	24.13	1.1	0	2	-33819	149115	-152685	-2.02	1.92	-85666	377726	SLV 15	2.533				Si
272	24.13	1.1	0	2	97088	207342	-152531	-2.02	1.92	242344	517554	SLV 15	2.496				Si
301	24.13	1.1	0	2	178321	265622	-152377	-2.02	1.92	419491	624862	SLV 15	2.352				Si
331	24.13	1.1	0	2	262979	323925	-152222	-2.02	1.92	584516	719977	SLV 15	2.223				Si
360	24.13	1.1	0	2	346940	381247	-152070	-2.02	1.92	730942	803222	SLV 15	2.107				Si
380	24.13	2.3	0	2,3,5,6	-105090	-466830	-126324	-2.02	1.92	-250547	-1112973	SLV 15	2.384				Si
409	24.13	2.3	0	2,3,5,6	-79042	-373784	-126172	-2.02	1.92	-202780	-958937	SLV 15	2.565				Si
438	24.13	1.1	0	3,5,6	112897	-280797	-126020	-2.02	1.92	308859	-768192	SLV 15	2.736				Si
467	24.13	1.1	0	3,5,6	81624	-187958	-125868	-2.02	1.92	243254	-560148	SLV 15	2.98				Si
496	24.13	1.1	0	3,5,6	55392	-95731	-125715	-2.02	1.92	170416	-294521	SLV 15	3.077				Si
525	24.13	1.1	0	3,5,6	88856	-2693	-125563	-2.02	1.92	273704	-8296	SLV 15	3.08				Si
554	24.13	1.1	0	3,5,6	99374	94359	-125411	-2.02	1.92	306474	291005	SLV 15	3.084				Si
583	24.13	1.1	0	3,5,6	120544	186419	-125259	-2.02	1.92	356951	552017	SLV 15	2.961				Si
612	24.13	1.1	0	3,5,6	145410	279230	-125106	-2.02	1.92	396908	762181	SLV 15	2.73				Si
641	24.39	1.5	0	3,4,5,6	171835	372208	-124954	-2.02	1.92	435740	943844	SLV 15	2.536				Si
670	31.44	1.9	0	3,4,5,6	199045	465250	-124802	-2.02	1.92	497743	1163429	SLV 15	2.501				Si
690	24.13	2.5	0	4,5,6,7,9,10	-166257	-397022	-100847	-2.02	1.92	-416998	-995794	SLV 15	2.508				Si
719	21.83	2.5	0	4,5,6,7,9,10	-131423	-316207	-100718	-2.02	1.92	-350576	-843495	SLV 15	2.668				Si
748	20.11	1.1	0	7,9,10	-96547	-234044	-100588	-2.02	1.92	-277191	-671953	SLV 15	2.871				Si
777	20.11	1.1	0	7,9,10	-63175	-152063	-100457	-2.02	1.92	-199966	-481322	SLV 15	3.165				Si
806	20.11	1.1	0	7,9,10	-36062	-70921	-100327	-2.02	1.92	-118355	-232760	SLV 15	3.282				Si
835	20.11	1.1	0	7,9,10	27483	17250	-100196	-2.02	1.92	90315	56688	SLV 15	3.286				Si
864	20.11	1.1	0	7,9,10	64351	97804	-100066	-2.02	1.92	211750	321827	SLV 15	3.291				Si
893	20.11	1.1	0	7,9,10	96024	179220	-99935	-2.02	1.92	292628	546166	SLV 15	3.047				Si
922	20.11	1.1	0	7,9,10	130400	261246	-99805	-2.02	1.92	362220	725679	SLV 15	2.778				Si
951	20.37	1.6	0	7,8,9,10	165638	343424	-99674	-2.02	1.92	423475	878010	SLV 15	2.557				Si
980	27.42	2	0	7,8,9,10	200638	424246	-99546	-2.02	1.92	505438	1068740	SLV 15	2.519				Si
1000	20.11	2.4	0	8,9,10,11	259357	268968	-72550	-2.02	1.92	693802	719513	SLV 1	2.675				Si
1029	17.8	2.4	0	8,9,10,11	209562	207101	-72442	-2.02	1.92	608097	600956	SLV 1	2.902				Si
1058	16.08	1.1	0	11	-57092	-192266	-74610	-2.02	1.92	-178635	-601576	SLV 15	3.129				Si
1087	16.08	1.1	0	11	-37816	-135981	-74502	-2.02	1.92	-129224	-464672	SLV 15	3.417				Si
1116	16.08	1.1	0	11	56628	-68111	-74918	-2.02	1.92	205419	-247077	SLV 13	3.628				Si
1145	16.08	1.1	0	11	24933	-21441	-74809	-2.02	1.92	90576	-77892	SLV 13	3.633				Si
1174	16.08	1.1	0	11	-57468	-105844	-71898	-2.02	1.92	-208070	-383223	SLV 1	3.621				Si
1203	16.08	1.1	0	11	-103183	-166798	-71789	-2.02	1.92	-333201	-538628	SLV 1	3.229				Si
1232	16.08	1.1	0	11	-151746	-228427	-71680	-2.02	1.92	-440827	-663588	SLV 1	2.905				Si
1261	16.08	1.1	0	11	-201217	-290238	-71572	-2.02	1.92	-526943	-760068	SLV 1	2.619				Si
1290	16.08	1.1	0	11	-251083	-352126	-71463	-2.02	1.92	-590932	-828740	SLV 1	2.354				Si
1310	16.08	2.1	0	11,12	267329	377698	-44651	-2.02	1.92	659130	931260	SLV 1	2.466				Si
1339	16.08	2.1	0	11,12	225724	303872	-44544	-2.02	1.92	669844	901750	SLV 1	2.968				Si
1368	16.08	1.1	0	12	188193	169451	-46675	-2.02	1.92	739772	666101	SLV 5	3.931				Si
1397	16.08	1.1	0	12	145845	114987	-46567	-2.02	1.92	660272	520570	SLV 5	4.527				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1426	16.08	1.1	0	12	155049	30907	-47685	-2.02	1.92	789596	157395	SLV 9	5.093				Si
1455	16.08	1.1	0	12	128713	23700	-47576	-2.02	1.92	688114	126705	SLV 9	5.346				Si
1484	16.08	1.1	0	12	-161245	-52906	-46240	-2.02	1.92	-803058	-263492	SLV 5	4.98				Si
1513	16.08	1.1	0	12	-166221	-148791	-43892	-2.02	1.92	-717355	-642135	SLV 1	4.316				Si
1542	16.08	1.1	0	12	-203435	-223725	-43783	-2.02	1.92	-728991	-801695	SLV 1	3.583				Si
1571	16.08	1.1	0	12	-244335	-298798	-43674	-2.02	1.92	-720738	-881394	SLV 1	2.95				Si
1600	16.08	1.1	0	12	-287583	-373929	-43566	-2.02	1.92	-701165	-911689	SLV 1	2.438				Si
1620	16.08	2.1	0	12,13,15,16	476682	-230810	-24286	-2.02	1.92	1186510	-574509	SLV 13	2.489				Si
1649	16.08	2.1	0	12,13,15,16	399209	-178291	-24180	-2.02	1.92	1253823	-559971	SLV 13	3.141				Si
1678	16.08	1.1	0	13,15,16	321590	-124916	-24071	-2.02	1.92	1343326	-521792	SLV 13	4.177				Si
1707	16.08	1.1	0	13,15,16	313824	20426	-23125	-2.02	1.92	1787942	116371	SLV 9	5.697				Si
1736	16.08	1.1	0	13,15,16	225353	37867	-23016	-2.02	1.92	1538938	258595	SLV 9	6.829				Si
1765	16.08	1.1	0	13,15,16	87787	63180	-22907	-2.02	1.92	762689	548909	SLV 9	8.688				Si
1794	16.08	1.1	0	13,15,16	-145550	63821	-22799	-2.02	1.92	-1112247	487699	SLV 9	7.642				Si
1823	16.08	1.1	0	13,15,16	-110505	144755	-23527	-2.02	1.92	-670458	878262	SLV 13	6.067				Si
1852	16.08	1.1	0	13,15,16	-234699	197737	-23418	-2.02	1.92	-930390	783867	SLV 13	3.964				Si
1881	16.08	1.1	0	13,15,16	-303129	251038	-23310	-2.02	1.92	-921770	763369	SLV 13	3.041				Si
1910	28.88	2.7	0	13,14,15,16,17,18	-377317	304445	-23201	-2.02	1.92	-1050203	847376	SLV 13	2.783				Si
1930	17.78	2.7	0	14,15,17,18,19	35716	286598	-7141	-2.02	1.92	67983	545517	SLV 7	1.903				Si
1959	10.87	3.1	0	14,15,17,18,19,20	186840	-153499	-9170	-2.02	1.92	412966	-339274	SLV 9	2.21				Si
1988	12.06	1.3	0	19,20	106236	141688	-6853	-2.02	1.92	335798	447860	SLV 3	3.161				Si
2017	12.06	1.3	0	19,20	72678	102938	-6787	-2.02	1.92	332868	471459	SLV 3	4.58				Si
2046	12.06	1.3	0	19,20	40827	69419	-6722	-2.02	1.92	308196	524031	SLV 3	7.549				Si
2075	12.06	1.3	0	19,20	-46030	51899	-7403	-2.02	1.92	-391792	441743	SLV 11	8.512				Si
2104	12.06	1.3	0	19,20	-82304	65674	-7338	-2.02	1.92	-446187	356034	SLV 11	5.421				Si
2133	12.06	1.3	0	19,20	-125833	94342	-7273	-2.02	1.92	-441400	330934	SLV 11	3.508				Si
2162	12.06	1.3	0	19,20	-172416	123412	-7207	-2.02	1.92	-424589	303911	SLV 11	2.463				Si
2191	12.06	1.3	0	19,20	-218959	155443	-7142	-2.02	1.92	-394755	280244	SLV 11	1.803				Si
2220	16.59	2.7	0	19,20	-268650	-209118	-8583	-2.02	1.92	-473751	-368768	SLV 9	1.763				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	2.3	0	1,2	-616703	-222268	-153621	-1323721	-477087	SLD 11	2.146	Si
-111	24.13	2.3	0	1,2	-570064	-200938	-153469	-1254450	-442173	SLD 11	2.201	Si
-81	24.13	1.1	0	2	-522629	-179240	-153315	-1180323	-404802	SLD 11	2.258	Si
-52	24.13	1.1	0	2	-475209	-157543	-153160	-1102218	-365413	SLD 11	2.319	Si
-22	24.13	1.1	0	2	-427808	-135849	-153006	-1019817	-323839	SLD 11	2.384	Si
7	24.13	1.1	0	2	-380433	-114157	-152852	-932687	-279873	SLD 11	2.452	Si
36	24.13	1.1	0	2	-333096	-92471	-152697	-840530	-233341	SLD 11	2.523	Si
66	24.13	1.1	0	2	-202302	-93038	-152711	-512371	-235637	SLD 15	2.533	Si
95	24.13	1.1	0	2	-169185	-65151	-152557	-428928	-165174	SLD 15	2.535	Si
125	24.13	1.1	0	2	-135843	-37062	-152401	-344751	-94059	SLD 15	2.538	Si
154	24.13	1.1	0	2	-103410	-10936	-152248	-262702	-27782	SLD 15	2.54	Si
184	24.13	1.1	0	2	-71277	14693	-152093	-181257	37365	SLD 15	2.543	Si
213	24.13	1.1	0	2	-41858	42159	-151941	-106552	107318	SLD 15	2.546	Si
242	24.13	1.1	0	2	-19140	74997	-151785	-48772	191104	SLD 15	2.548	Si
272	24.13	1.1	0	2	37570	102881	-151630	95831	262424	SLD 15	2.551	Si
301	24.13	1.1	0	2	68264	130794	-151476	174301	333963	SLD 15	2.553	Si
331	24.13	1.1	0	2	100701	158720	-151321	257389	405681	SLD 15	2.556	Si
360	24.13	1.1	0	2	132999	186177	-151170	336505	471054	SLD 15	2.53	Si
380	24.13	2.3	0	2,3,5,6	33754	-207876	-125457	100430	-618508	SLD 15	2.975	Si
409	24.13	2.3	0	2,3,5,6	29975	-165976	-125305	92523	-512309	SLD 15	3.087	Si
438	24.13	1.1	0	3,5,6	93971	-124113	-125153	290408	-383557	SLD 15	3.09	Si
467	24.13	1.1	0	3,5,6	68702	-82339	-125000	212575	-254770	SLD 15	3.094	Si
496	24.13	1.1	0	3,5,6	45388	-40935	-124848	140608	-126814	SLD 15	3.098	Si
525	24.13	1.1	0	3,5,6	49271	641	-124696	152824	1989	SLD 15	3.102	Si
554	24.13	1.1	0	3,5,6	38627	45265	-124544	119955	140570	SLD 15	3.106	Si
583	24.13	1.1	0	3,5,6	32436	86586	-124391	100855	269221	SLD 15	3.109	Si
612	24.13	1.1	0	3,5,6	28067	128345	-124239	87376	399554	SLD 15	3.113	Si
641	24.39	1.5	0	3,4,5,6	24529	170204	-124087	76497	530802	SLD 15	3.119	Si
670	31.44	1.9	0	3,4,5,6	21425	212102	-123935	68320	676349	SLD 15	3.189	Si
690	24.13	2.5	0	4,5,6,7,9,10	1530	-189404	-99966	4977	-616121	SLD 15	3.253	Si
719	21.83	2.5	0	4,5,6,7,9,10	1813	-150170	-99837	6024	-499040	SLD 15	3.323	Si
748	20.11	1.1	0	7,9,10	1772	-110289	-99707	5853	-364216	SLD 15	3.302	Si
777	20.11	1.1	0	7,9,10	899	-70518	-99576	2972	-233182	SLD 15	3.307	Si
806	20.11	1.1	0	7,9,10	-3002	-31241	-99446	-9941	-103439	SLD 15	3.311	Si
835	20.11	1.1	0	7,9,10	13278	12122	-99315	44021	40189	SLD 15	3.315	Si
864	20.11	1.1	0	7,9,10	14351	51182	-99185	47642	169910	SLD 15	3.32	Si
893	20.11	1.1	0	7,9,10	12441	90609	-99054	41357	301196	SLD 15	3.324	Si
922	20.11	1.1	0	7,9,10	12075	130406	-98924	40193	434057	SLD 15	3.329	Si
951	20.37	1.6	0	7,8,9,10	12225	170295	-98793	39346	548104	SLD 15	3.219	Si
980	27.42	2	0	7,8,9,10	12597	209534	-98665	41605	692069	SLD 15	3.303	Si
1000	20.11	2.4	0	8,9,10,11	151710	94541	-73178	533289	332330	SLD 1	3.515	Si
1029	17.8	2.4	0	8,9,10,11	123552	68786	-73069	449285	250133	SLD 1	3.636	Si
1058	16.08	1.1	0	11	39812	-73225	-74223	145774	-268114	SLD 13	3.662	Si
1087	16.08	1.1	0	11	28527	-58766	-74114	104606	-215488	SLD 13	3.667	Si
1116	16.08	1.1	0	11	38049	-44934	-74005	139728	-165012	SLD 13	3.672	Si
1145	16.08	1.1	0	11	16148	-27128	-73897	59387	-99768	SLD 13	3.678	Si
1174	16.08	1.1	0	11	586	-12718	-73788	2158	-46840	SLD 13	3.683	Si
1203	16.08	1.1	0	11	-11145	1449	-73679	-41108	5347	SLD 13	3.689	Si
1232	16.08	1.1	0	11	-81054	-112993	-72308	-284189	-396170	SLD 1	3.506	Si
1261	16.08	1.1	0	11	-109003	-138713	-72199	-362116	-460813	SLD 1	3.322	Si
1290	16.08	1.1	0	11	-137187	-164479	-72090	-432914	-519041	SLD 1	3.156	Si
1310	16.08	2.1	0	11,12	158503	194364	-45621	620618	761030	SLD 1	3.915	Si
1339	16.08	2.1	0	11,12	132633	157533	-45514	571828	679180	SLD 1	4.311	Si
1368	16.08	1.1	0	12	107059	95760	-46376	524582	469217	SLD 5	4.9	Si
1397	16.08	1.1	0	12	80994	66710	-46267	433775	357276	SLD 5	5.356	Si
1426	16.08	1.1	0	12	63871	3224	-46949	369719	18661	SLD 13	5.789	Si
1455	16.08	1.1	0	12	46158	14280	-46841	267810	82853	SLD 13	5.802	Si
1484	16.08	1.1	0	12	-89927	-23053	-45941	-522824	-134028	SLD 5	5.814	Si
1513	16.08	1.1	0	12	-114580	-51768	-45832	-610406	-275787	SLD 5	5.327	Si
1542	16.08	1.1	0	12	-124197	-105814	-44753	-600520	-511632	SLD 1	4.835	Si
1571	16.08	1.1	0	12	-150512	-143262	-44644	-661266	-629413	SLD 1	4.393	Si
1600	16.08	1.1	0	12	-177775	-180743	-44535	-707763	-719578	SLD 1	3.981	Si
1620	16.08	2.1	0	12,13,15,16	262644	-133048	-22579	1211545	-613733	SLD 13	4.613	Si
1649	16.08	2.1	0	12,13,15,16	217478	-99226	-22473	1245553	-568293	SLD 13	5.727	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1678	16.08	1.1	0	13,15,16	172045	-64852	-22364	1240040	-467428	SLD 13	7.208	Si
1707	16.08	1.1	0	13,15,16	158597	8013	-21908	1428136	72153	SLD 9	9.005	Si
1736	16.08	1.1	0	13,15,16	108673	28344	-21799	1045413	272660	SLD 9	9.62	Si
1765	16.08	1.1	0	13,15,16	33216	52109	-21690	350866	550446	SLD 9	10.563	Si
1794	16.08	1.1	0	13,15,16	-89293	63534	-21582	-799087	568569	SLD 9	8.949	Si
1823	16.08	1.1	0	13,15,16	-81194	108880	-21820	-616427	826615	SLD 13	7.592	Si
1852	16.08	1.1	0	13,15,16	-145458	142974	-21711	-838219	823905	SLD 13	5.763	Si
1881	16.08	1.1	0	13,15,16	-185455	177287	-21603	-863065	825055	SLD 13	4.654	Si
1910	28.88	2.7	0	13,14,15,16,17,18	-228653	211675	-21494	-973861	901548	SLD 13	4.259	Si
1930	17.78	2.7	0	14,15,17,18,19	86580	165901	-7735	285958	547940	SLD 7	3.303	Si
1959	10.87	3.1	0	14,15,17,18,19,20	145259	-54166	-8576	550809	-205391	SLD 9	3.792	Si
1988	12.06	1.3	0	19,20	90578	84974	-7541	412160	386661	SLD 3	4.55	Si
2017	12.06	1.3	0	19,20	58293	60692	-7475	405273	421953	SLD 3	6.952	Si
2046	12.06	1.3	0	19,20	26196	38538	-7410	320811	471963	SLD 3	12.247	Si
2075	12.06	1.3	0	19,20	-27165	23635	-7661	-382165	332505	SLD 11	14.068	Si
2104	12.06	1.3	0	19,20	-59356	24566	-7596	-557174	230598	SLD 11	9.387	Si
2133	12.06	1.3	0	19,20	-95689	33951	-7530	-567734	201433	SLD 11	5.933	Si
2162	12.06	1.3	0	19,20	-133610	43786	-7465	-565182	185220	SLD 11	4.23	Si
2191	12.06	1.3	0	19,20	-171519	54890	-7400	-540139	172858	SLD 11	3.149	Si
2220	16.59	2.7	0	19,20	-210846	-122898	-7989	-539697	-314578	SLD 9	2.56	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	6X/2Y Ø8/10	562	-248481	SLU 52	17927	46282	47048	1.75	82.42	-407	-248481	SLU 52	17432	46934	47900	2.05	115.36	Si
-111	6X/2Y Ø8/10	562	-248283	SLU 52	17927	46282	47128	1.75	82.42	-407	-248283	SLU 52	17432	46934	47981	2.05	115.36	Si
-81	6X/2Y Ø8/10	562	-248083	SLU 52	17927	46282	47208	1.75	82.42	-407	-248083	SLU 52	17432	46934	48063	2.05	115.36	Si
-52	6X/2Y Ø8/10	562	-247882	SLU 52	17927	46282	47289	1.75	82.42	-407	-247882	SLU 52	17432	46934	48146	2.05	115.36	Si
-22	6X/2Y Ø8/15	562	-247681	SLU 52	17927	39671	40812	2.25	70.65	-443	-210535	SLU 20	17432	38157	55516	2.5	86.06	Si
7	6X/2Y Ø8/15	562	-247480	SLU 52	17927	39671	40882	2.25	70.65	-443	-210381	SLU 20	17432	38157	55572	2.5	86.06	Si
36	6X/2Y Ø8/15	562	-247280	SLU 52	17927	39671	40951	2.25	70.65	-443	-210227	SLU 20	17432	38157	55627	2.5	86.06	Si
66	6X/2Y Ø8/15	562	-247079	SLU 52	17927	39671	41021	2.25	70.65	-443	-210072	SLU 20	17432	38157	55682	2.5	86.06	Si
95	6X/2Y Ø8/15	562	-246878	SLU 52	17927	39671	41090	2.25	70.65	-443	-209918	SLU 20	17432	38157	55738	2.5	86.06	Si
125	6X/2Y Ø8/15	562	-246675	SLU 52	17927	40552	40553	2.3	72.22	-443	-209762	SLU 20	17432	38157	55793	2.5	86.06	Si
154	6X/2Y Ø8/15	562	-246477	SLU 52	17927	40552	40621	2.3	72.22	-443	-209609	SLU 20	17432	38157	55848	2.5	86.06	Si
184	6X/2Y Ø8/15	562	-246276	SLU 52	17927	40552	40690	2.3	72.22	-443	-209455	SLU 20	17432	38157	55904	2.5	86.06	Si
213	6X/2Y Ø8/15	562	-246078	SLU 52	17927	40552	40757	2.3	72.22	-443	-209302	SLU 20	17432	38157	55958	2.5	86.06	Si
242	6X/2Y Ø8/10	562	-245874	SLU 52	17927	46282	48097	1.75	82.42	-407	-245874	SLU 52	17432	48078	48238	2.1	118.18	Si
272	6X/2Y Ø8/10	562	-245674	SLU 52	17927	46282	48177	1.75	82.42	-407	-245674	SLU 52	17432	48078	48319	2.1	118.18	Si
301	6X/2Y Ø8/10	562	-245473	SLU 52	17927	46282	48258	1.75	82.42	-407	-245473	SLU 52	17432	48078	48400	2.1	118.18	Si
331	6X/2Y Ø8/10	595	-231220	SLU 46	17927	50249	51657	1.9	84.41	-407	-245272	SLU 52	17432	48078	48481	2.1	118.18	Si
360	6X/2Y Ø8/10	595	-231022	SLU 46	17927	50249	51733	1.9	84.41	-407	-245075	SLU 52	17432	48078	48561	2.1	118.18	Si
380	6X/2Y Ø8/10	535	-204191	SLU 51	17927	56861	57579	2.15	106.29	-1303	-204191	SLU 51	17432	57236	57790	2.5	43.92	Si
409	6X/2Y Ø8/10	535	-203993	SLU 51	17927	56861	57649	2.15	106.29	-1303	-203993	SLU 51	17432	57236	57861	2.5	43.92	Si
438	6X/2Y Ø8/10	535	-203795	SLU 51	17927	56861	57720	2.15	106.29	-1303	-203795	SLU 51	17432	57236	57932	2.5	43.92	Si
467	6X/2Y Ø8/14.4	535	-203597	SLU 51	17927	45774	52113	2.5	85.57	-1303	-203597	SLU 51	17432	39625	58003	2.5	30.4	Si
496	6X/2Y Ø8/14.4	535	-203399	SLU 51	17927	45774	52177	2.5	85.57	-1303	-203399	SLU 51	17432	39625	58074	2.5	30.4	Si
525	6X/2Y Ø8/14.4	535	-203202	SLU 51	17927	45774	52241	2.5	85.57	-1303	-203202	SLU 51	17432	39625	58144	2.5	30.4	Si
554	6X/2Y Ø8/14.4	535	-203004	SLU 51	17927	45774	52305	2.5	85.57	-1303	-203004	SLU 51	17432	39625	58215	2.5	30.4	Si
583	6X/2Y Ø8/14.4	535	-202806	SLU 51	17927	45774	52368	2.5	85.57	-1303	-202806	SLU 51	17432	39625	58286	2.5	30.4	Si
612	6X/2Y Ø8/10	535	-202608	SLU 51	17927	56861	58144	2.15	106.29	-1303	-202608	SLU 51	17432	57236	58357	2.5	43.92	Si
641	6X/2Y Ø8/10	535	-202410	SLU 51	17927	56861	58215	2.15	106.29	-1303	-202410	SLU 51	17432	57236	58428	2.5	43.92	Si
670	6X/2Y Ø8/10	535	-202212	SLU 51	17927	56861	58285	2.15	106.29	-1303	-202212	SLU 51	17432	57236	58499	2.5	43.92	Si
690	5X/2Y Ø8/10	767	-162158	SLU 49	15366	50690	51585	2.3	66.13	-1369	-164165	SLU 51	15029	48385	52690	2.5	35.34	Si
719	5X/2Y Ø8/10	767	-161992	SLU 49	15366	50690	51642	2.3	66.13	-1369	-163999	SLU 51	15029	48385	52749	2.5	35.34	Si
748	5X/2Y Ø8/10	767	-161822	SLU 49	15366	50690	51700	2.3	66.13	-1369	-163829	SLU 51	15029	48385	52809	2.5	35.34	Si
777	5X/2Y Ø8/14.4	767	-161652	SLU 49	15366	38145	48809	2.5	49.76	-1369	-163659	SLU 51	15029	33497	52869	2.5	24.46	Si
806	5X/2Y Ø8/14.4	767	-161483	SLU 49	15366	38145	48864	2.5	49.76	-1369	-163490	SLU 51	15029	33497	52929	2.5	24.46	Si
835	5X/2Y Ø8/14.4	767	-161313	SLU 49	15366	38145	48919	2.5	49.76	-1369	-163320	SLU 51	15029	33497	52989	2.5	24.46	Si
864	5X/2Y Ø8/14.4	767	-161143	SLU 49	15366	38145	48973	2.5	49.76	-1369	-163150	SLU 51	15029	33497	53049	2.5	24.46	Si
893	5X/2Y Ø8/14.4	767	-160974	SLU 49	15366	38145	49028	2.5	49.76	-1369	-162981	SLU 51	15029	33497	53109	2.5	24.46	Si
922	5X/2Y Ø8/10	767	-160804	SLU 49	15366	50690	52048	2.3	66.13	-1369	-162811	SLU 51	15029	48385	53169	2.5	35.34	Si
951	5X/2Y Ø8/10	767	-160634	SLU 49	15366	50690	52106	2.3	66.13	-1369	-162641	SLU 51	15029	48385	53229	2.5	35.34	Si
980	5X/2Y Ø8/10	767	-160468	SLU 49	15366	50690	52162	2.3	66.13	-1369	-162475	SLU 51	15029	48385	53288	2.5	35.34	Si
1000	4X/2Y Ø8/10	-261	-121868	SLU 49	12805	42315	43268	2.4	161.83	-912	-123938	SLU 51	12600	39534	45230	2.5	43.34	Si
1029	4X/2Y Ø8/10	-261	-121727	SLU 49	12805	42315	43268	2.4	161.83	-912	-123796	SLU 51	12600	39534	45230	2.5	43.34	Si
1058	4X/2Y Ø8/10	-261	-121585	SLU 49	12805	42315	43268	2.4	161.83	-912	-123655	SLU 51	12600	39534	45230	2.5	43.34	Si
1087	4X/2Y Ø8/14.4	-261	-121444	SLU 49	12805	30516	42024	2.5	116.7	-912	-123513	SLU 51	12600	27370	45230	2.5	30.01	Si
1116	4X/2Y Ø8/14.4	-261	-121303	SLU 49	12805	30516	42024	2.5	116.7	-912	-123372	SLU 51	12600	27370	45230	2.5	30.01	Si
1145	4X/2Y Ø8/14.4	-261	-121161	SLU 49	12805	30516	42024	2.5	116.7	-912	-123231	SLU 51	12600	27370	45230	2.5	30.01	Si
1174	4X/2Y Ø8/14.4	-261	-121020	SLU 49	12805	30516	42024	2.5	116.7	-912	-123089	SLU 51	12600	27370	45230	2.5	30.01	Si
1203	4X/2Y Ø8/14.4	-261	-120879	SLU 49	12805	30516	42024	2.5	116.7	-912	-122948	SLU 51	12600	27370	45230	2.5	30.01	Si
1232	4X/2Y Ø8/10	-261	-120737	SLU 49	12805	42315	43268	2.4	161.83	-912	-122807	SLU 51	12600	39534	45230	2.5	43.34	Si
1261	4X/2Y Ø8/10	-261	-120596	SLU 49	12805	42315	43268	2.4	161.83	-912	-122665	SLU 51	12600	39534	45230	2.5	43.34	Si
1290	4X/2Y Ø8/10	-261	-120454	SLU 49	12805	42315	43268	2.4	161.83	-912	-122524	SLU 51	12600	39534	45230	2.5	43.34	Si
1310	4X/2Y Ø8/10	-931	-78273	SLU 52	12805	42315	43268	2.4	45.47	-1100	-78282	SLU 51	12600	39534	45230	2.5	35.93	Si
1339	4X/2Y Ø8/10	-931	-78134	SLU 52	12805	42315	43268	2.4	45.47	-1100	-78144	SLU 51	12600	39534	45230	2.5	35.93	Si
1368	4X/2Y Ø8/10	-931	-77992	SLU 52	12805	42315	43268	2.4	45.47	-1100	-78002	SLU 51	12600	39534	45230	2.5	35.93	Si
1397	4X/2Y Ø8/14.4	-931	-77851	SLU 52	12805	30516	42024	2.5	32.79	-1100	-77861	SLU 51	12600	27370	45230	2.5	24.88	Si
1426	4X/2Y Ø8/14.4	-931	-77710	SLU 52	12805	30516	42024	2.5	32.79	-1100	-77719	SLU 51	12600	27370	45230	2.5	24.88	Si
1455	4X/2Y Ø8/14.4	-931	-77568	SLU 52	12805	30516	42024	2.5	32.79	-1100	-77578	SLU 51	12600	27370	45230	2.5	24.88	Si
1484	4X/2Y Ø8/14.4	-931	-77427	SLU 52	12805	30516	42024	2.5	32.79	-1100	-77437	SLU 51	12600	27370	45230	2.5	24.88	Si
1513	4X/2Y Ø8/14.4	-931	-77285	SLU 52	12805	30516	42024	2.5	32.79	-1100	-77295	SLU 51	12600	27370	45230	2.5	24.88	Si
1542	4X/2Y Ø8/10	-931	-77144	SLU 52	12805	42315	43268	2.4	45.47	-1100	-77154	SLU 51	12600	39534	45230	2.5	35.93	Si
1571	4X/2Y Ø8/10	-931	-77003	SLU 52	12805	42315	43268	2.4	45.47	-1100	-77013	SLU 51	12600	39534	45230	2.5	35.93	Si
1600	4X/2Y Ø8/10	-931	-76861	SLU 52	12805	42315	43268	2.4	45.47	-1100	-76871	SLU 51	12600	39534	45230	2.5	35.93	Si
1620	4X/2Y Ø8/10	1406	-36369	SLU 49	10833	40552	40618	2.3	28.84	-1287	-37378	SLU 52	10613	39534	41365	2.5	30.72	Si
1649	4X/2Y Ø8/10	1406	-36230	SLU 49	10816	40552	40599	2.3	28.84	-1287	-37239	SLU 52	10595	39534	41346	2.5	30.72	Si
1678	4X/2Y Ø8/10	1406	-36089	SLU 49	10798	40552	40579	2.3	28.84	-1287	-37097	SLU 52	10576	39534	41326	2.5	30.72	Si
1707	4X/2Y Ø8/14.4	1406	-35948	SLU 49	10781	30516	38249	2.5	21.7	-1287	-36956	SLU 52	10557	27370	41307	2.5	21.27	Si
1736	4X/2Y Ø8/14.4	1406	-35806	SLU 49	10763	30516	38231	2.5	21.7	-1287	-36815	SLU 52	10538	27370	41287	2.5	21.27	Si
1765	4X/2Y Ø8/14.4	1406	-35665	SLU 49	10746	30516	38213	2.5	21.7	-1287	-36673	SLU 52	10519	27370	41268	2.5	21.27	Si
1794	4X/2Y Ø8/14.4	1406	-35524	SLU 49	10728	30516	38195	2.5	21.7	-1287	-36532	SLU 52	10500	27370	41248	2.5	21.27	Si
1823	4X/2Y Ø8/14.4	1406	-35382	SLU 49	10710	30516	38176	2.5	21.7	-1287	-36391	SLU 52	10481	27370	41228	2.5	21.27	Si
1852	4X/2Y Ø8/10	1406	-35241	SLU 49	10693	39671	41069	2.25	28.21	-1287	-36249	SLU 52	10462	39534	41209	2.5	30.72	Si
1881	4X/2Y Ø8/10	1406	-35099	SLU 49	10675	39671	41050	2.25	28.21	-1287	-36108	SLU 52	10443	39534	41189	2.5	30.72	Si
1910	4X/2Y Ø8/10	1406	-34958	SLU 49	10658	39671	41030	2.25	28.21	-1287	-35966	SLU 52	10424	39534	41170	2.5	30.72	Si
1930	2X/2Y Ø8/10	-594	-14196	SLU 51	5511	21395	22112	2.45	36.03	-1845	-14206	SLU 52	5552	21598	22323	2.45	11.71	Si
1959	2X/2Y Ø8/10	-594	-14113	SLU 51	5540	21598	22311	2.45	36.37	-1845	-14123	SLU 52	5542	21598	22313	2.45	11.71	Si
1988	2X/2Y Ø8/10	-594	-14028	SLU 51	5530	21598	22300	2.45	36.37	-1845	-14038	SLU 52	5492	21395	22092	2.45	11.6	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
2017	2X/2Y Ø8/10	-594	-13943	SLU 51	5519	21598	22289	2.45	36.37	-1845	-13953	SLU 52	5481	21395	22081	2.45	11.6	Si
2046	2X/2Y Ø8/10	-594	-13858	SLU 51	5509	21598	22278	2.45	36.37	-1845	-13869	SLU 52	5471	21395	22070	2.45	11.6	Si
2075	2X/2Y Ø8/10	-594	-13773	SLU 51	5498	21598	22267	2.45	36.37	-1845	-13784	SLU 52	5460	21395	22059	2.45	11.6	Si
2104	2X/2Y Ø8/10	-594	-13688	SLU 51	5487	21598	22256	2.45	36.37	-1845	-13699	SLU 52	5450	21395	22048	2.45	11.6	Si
2133	2X/2Y Ø8/10	-594	-13604	SLU 51	5477	21598	22245	2.45	36.37	-1845	-13614	SLU 52	5439	21395	22037	2.45	11.6	Si
2162	2X/2Y Ø8/10	-594	-13519	SLU 51	5466	21598	22234	2.45	36.37	-1845	-13529	SLU 52	5429	21395	22026	2.45	11.6	Si
2191	2X/2Y Ø8/10	-594	-13434	SLU 51	5456	21598	22222	2.45	36.37	-1845	-13444	SLU 52	5418	21395	22015	2.45	11.6	Si
2220	2X/2Y Ø8/10	-594	-13349	SLU 51	5445	21598	22211	2.45	36.37	-1845	-13360	SLU 52	5446	21598	22213	2.45	11.71	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	6X/2Y Ø8/10	1984	-154690	SLV 15	17927	60828	62389	2.3	30.67	-4231	-151852	SLV 5	17432	57236	65483	2.5	13.53	Si
-111	6X/2Y Ø8/10	1984	-154538	SLV 15	17927	60828	62389	2.3	30.67	-4231	-151701	SLV 5	17432	57236	65483	2.5	13.53	Si
-81	6X/2Y Ø8/10	1984	-154384	SLV 15	17927	60828	62389	2.3	30.67	-4231	-151546	SLV 5	17432	57236	65483	2.5	13.53	Si
-52	6X/2Y Ø8/10	1984	-154230	SLV 15	17927	60828	62389	2.3	30.67	-4231	-151392	SLV 5	17432	57236	65483	2.5	13.53	Si
-22	6X/2Y Ø8/15	1984	-154075	SLV 15	17927	44078	58834	2.5	22.22	-4231	-151237	SLV 5	17432	38157	65483	2.5	9.02	Si
7	6X/2Y Ø8/15	1984	-153921	SLV 15	17927	44078	58834	2.5	22.22	-4231	-151083	SLV 5	17432	38157	65483	2.5	9.02	Si
36	6X/2Y Ø8/15	1984	-153766	SLV 15	17927	44078	58834	2.5	22.22	-4231	-150929	SLV 5	17432	38157	65483	2.5	9.02	Si
66	6X/2Y Ø8/15	1984	-153612	SLV 15	17927	44078	58834	2.5	22.22	-4231	-150774	SLV 5	17432	38157	65483	2.5	9.02	Si
95	6X/2Y Ø8/15	1984	-153457	SLV 15	17927	44078	58834	2.5	22.22	-4231	-150620	SLV 5	17432	38157	65483	2.5	9.02	Si
125	6X/2Y Ø8/15	1984	-153302	SLV 15	17927	44078	58834	2.5	22.22	-4231	-150464	SLV 5	17432	38157	65483	2.5	9.02	Si
154	6X/2Y Ø8/15	1984	-153149	SLV 15	17927	44078	58834	2.5	22.22	-4231	-150311	SLV 5	17432	38157	65483	2.5	9.02	Si
184	6X/2Y Ø8/15	1984	-152994	SLV 15	17927	44078	58834	2.5	22.22	-4231	-150157	SLV 5	17432	38157	65483	2.5	9.02	Si
213	6X/2Y Ø8/15	1984	-152842	SLV 15	17927	44078	58834	2.5	22.22	-4231	-150004	SLV 5	17432	38157	65483	2.5	9.02	Si
242	6X/2Y Ø8/10	1984	-152685	SLV 15	17927	60828	62389	2.3	30.67	-4231	-149848	SLV 5	17432	57236	65483	2.5	13.53	Si
272	6X/2Y Ø8/10	1984	-152531	SLV 15	17927	60828	62389	2.3	30.67	-4231	-149693	SLV 5	17432	57236	65483	2.5	13.53	Si
301	6X/2Y Ø8/10	1984	-152377	SLV 15	17927	60828	62389	2.3	30.67	-4231	-149539	SLV 5	17432	57236	65483	2.5	13.53	Si
331	6X/2Y Ø8/10	1984	-152222	SLV 15	17927	60828	62389	2.3	30.67	-4231	-149385	SLV 5	17432	57236	65483	2.5	13.53	Si
360	6X/2Y Ø8/10	1984	-152070	SLV 15	17927	60828	62389	2.3	30.67	-4231	-149233	SLV 5	17432	57236	65483	2.5	13.53	Si
380	6X/2Y Ø8/10	3212	-126324	SLV 15	17927	60828	62389	2.3	18.94	-3275	-123591	SLV 5	17432	57236	65483	2.5	17.48	Si
409	6X/2Y Ø8/10	3212	-126172	SLV 15	17927	60828	62389	2.3	18.94	-3275	-123439	SLV 5	17432	57236	65483	2.5	17.48	Si
438	6X/2Y Ø8/10	3212	-126020	SLV 15	17927	60828	62389	2.3	18.94	-3275	-123286	SLV 5	17432	57236	65483	2.5	17.48	Si
467	6X/2Y Ø8/14.4	3212	-125868	SLV 15	17927	45774	58834	2.5	14.25	-3275	-123134	SLV 5	17432	39625	65483	2.5	12.1	Si
496	6X/2Y Ø8/14.4	3212	-125715	SLV 15	17927	45774	58834	2.5	14.25	-3275	-122982	SLV 5	17432	39625	65483	2.5	12.1	Si
525	6X/2Y Ø8/14.4	3212	-125563	SLV 15	17927	45774	58834	2.5	14.25	-3275	-122830	SLV 5	17432	39625	65483	2.5	12.1	Si
554	6X/2Y Ø8/14.4	3212	-125411	SLV 15	17927	45774	58834	2.5	14.25	-3275	-122677	SLV 5	17432	39625	65483	2.5	12.1	Si
583	6X/2Y Ø8/14.4	3212	-125259	SLV 15	17927	45774	58834	2.5	14.25	-3275	-122525	SLV 5	17432	39625	65483	2.5	12.1	Si
612	6X/2Y Ø8/10	3212	-125106	SLV 15	17927	60828	62389	2.3	18.94	-3275	-122373	SLV 5	17432	57236	65483	2.5	17.48	Si
641	6X/2Y Ø8/10	3212	-124954	SLV 15	17927	60828	62389	2.3	18.94	-3275	-122221	SLV 5	17432	57236	65483	2.5	17.48	Si
670	6X/2Y Ø8/10	3212	-124802	SLV 15	17927	60828	62389	2.3	18.94	-3275	-122068	SLV 5	17432	57236	65483	2.5	17.48	Si
690	5X/2Y Ø8/10	2839	-100847	SLV 15	15366	51792	52691	2.35	18.24	-3608	-98041	SLV 5	15029	48385	55356	2.5	13.41	Si
719	5X/2Y Ø8/10	2839	-100718	SLV 15	15366	51792	52691	2.35	18.24	-3608	-97913	SLV 5	15029	48385	55356	2.5	13.41	Si
748	5X/2Y Ø8/10	2839	-100588	SLV 15	15366	51792	52691	2.35	18.24	-3608	-97782	SLV 5	15029	48385	55356	2.5	13.41	Si
777	5X/2Y Ø8/14.4	2839	-100457	SLV 15	15366	38145	50429	2.5	13.44	-3608	-97652	SLV 5	15029	33497	55356	2.5	9.28	Si
806	5X/2Y Ø8/14.4	2839	-100327	SLV 15	15366	38145	50429	2.5	13.44	-3608	-97521	SLV 5	15029	33497	55356	2.5	9.28	Si
835	5X/2Y Ø8/14.4	2839	-100196	SLV 15	15366	38145	50429	2.5	13.44	-3608	-97391	SLV 5	15029	33497	55356	2.5	9.28	Si
864	5X/2Y Ø8/14.4	2839	-100066	SLV 15	15366	38145	50429	2.5	13.44	-3608	-97260	SLV 5	15029	33497	55356	2.5	9.28	Si
893	5X/2Y Ø8/14.4	2839	-99935	SLV 15	15366	38145	50429	2.5	13.44	-3608	-97130	SLV 5	15029	33497	55356	2.5	9.28	Si
922	5X/2Y Ø8/10	2839	-99805	SLV 15	15366	51792	52691	2.35	18.24	-3608	-96999	SLV 5	15029	48385	55356	2.5	13.41	Si
951	5X/2Y Ø8/10	2839	-99674	SLV 15	15366	51792	52691	2.35	18.24	-3608	-96869	SLV 5	15029	48385	55356	2.5	13.41	Si
980	5X/2Y Ø8/10	2839	-99546	SLV 15	15366	51792	52691	2.35	18.24	-3608	-96741	SLV 5	15029	48385	55356	2.5	13.41	Si
1000	4X/2Y Ø8/10	-2138	-72550	SLV 1	12805	42315	43268	2.4	19.79	-2261	-74144	SLV 5	12600	39534	45230	2.5	17.49	Si
1029	4X/2Y Ø8/10	-2138	-72442	SLV 1	12805	42315	43268	2.4	19.79	-2261	-74036	SLV 5	12600	39534	45230	2.5	17.49	Si
1058	4X/2Y Ø8/10	-2138	-72333	SLV 1	12805	42315	43268	2.4	19.79	-2261	-73927	SLV 5	12600	39534	45230	2.5	17.49	Si
1087	4X/2Y Ø8/14.4	-2138	-72224	SLV 1	12805	30516	42024	2.5	14.27	-2261	-73818	SLV 5	12600	27370	45230	2.5	12.11	Si
1116	4X/2Y Ø8/14.4	-2138	-72115	SLV 1	12805	30516	42024	2.5	14.27	-2261	-73709	SLV 5	12600	27370	45230	2.5	12.11	Si
1145	4X/2Y Ø8/14.4	-2138	-72007	SLV 1	12805	30516	42024	2.5	14.27	-2261	-73601	SLV 5	12600	27370	45230	2.5	12.11	Si
1174	4X/2Y Ø8/14.4	-2138	-71898	SLV 1	12805	30516	42024	2.5	14.27	-2261	-73492	SLV 5	12600	27370	45230	2.5	12.11	Si
1203	4X/2Y Ø8/14.4	-2138	-71789	SLV 1	12805	30516	42024	2.5	14.27	-2261	-73383	SLV 5	12600	27370	45230	2.5	12.11	Si
1232	4X/2Y Ø8/10	-2138	-71680	SLV 1	12805	42315	43268	2.4	19.79	-2261	-73274	SLV 5	12600	39534	45230	2.5	17.49	Si
1261	4X/2Y Ø8/10	-2138	-71572	SLV 1	12805	42315	43268	2.4	19.79	-2261	-73166	SLV 5	12600	39534	45230	2.5	17.49	Si
1290	4X/2Y Ø8/10	-2138	-71463	SLV 1	12805	42315	43268	2.4	19.79	-2261	-73057	SLV 5	12600	39534	45230	2.5	17.49	Si
1310	4X/2Y Ø8/10	-2594	-44651	SLV 1	11864	40552	41749	2.3	15.63	-2124	-46891	SLV 5	11888	39534	42684	2.5	18.61	Si
1339	4X/2Y Ø8/10	-2594	-44544	SLV 1	11851	40552	41734	2.3	15.63	-2124	-46784	SLV 5	11874	39534	42669	2.5	18.61	Si
1368	4X/2Y Ø8/10	-2594	-44436	SLV 1	11838	40552	41719	2.3	15.63	-2124	-46675	SLV 5	11859	39534	42654	2.5	18.61	Si
1397	4X/2Y Ø8/14.4	-2594	-44327	SLV 1	11824	30516	39329	2.5	11.77	-2124	-46567	SLV 5	11844	27370	42639	2.5	12.88	Si
1426	4X/2Y Ø8/14.4	-2594	-44218	SLV 1	11811	30516	39314	2.5	11.77	-2124	-46458	SLV 5	11830	27370	42624	2.5	12.88	Si
1455	4X/2Y Ø8/14.4	-2594	-44109	SLV 1	11797	30516	39300	2.5	11.77	-2124	-46349	SLV 5	11815	27370	42609	2.5	12.88	Si
1484	4X/2Y Ø8/14.4	-2594	-44001	SLV 1	11783	30516	39286	2.5	11.77	-2124	-46240	SLV 5	11801	27370	42594	2.5	12.88	Si
1513	4X/2Y Ø8/14.4	-2594	-43892	SLV 1	11770	30516	39272	2.5	11.77	-2124	-46132	SLV 5	11786	27370	42579	2.5	12.88	Si
1542	4X/2Y Ø8/10	-2594	-43783	SLV 1	11756	40552	41630	2.3	15.63	-2124	-46023	SLV 5	11772	39534	42564	2.5	18.61	Si
1571	4X/2Y Ø8/10	-2594	-43674	SLV 1	11743	40552	41615	2.3	15.63	-2124	-45914	SLV 5	11757	39534	42549	2.5	18.61	Si
1600	4X/2Y Ø8/10	-2594	-43566	SLV 1	11729	40552	41600	2.3	15.63	-2124	-45805	SLV 5	11742	39534	42533	2.5	18.61	Si
1620	4X/2Y Ø8/10	2257	-23472	SLV 15	9228	38789	40031	2.2	17.19	-3611	-23449	SLV 9	8747	38743	40012	2.45	10.73	Si
1649	4X/2Y Ø8/10	2257	-23365	SLV 15	9214	38789	40016	2.2	17.19	-3611	-23342	SLV 9	8732	38743	39997	2.45	10.73	Si
1678	4X/2Y Ø8/10	2257	-23256	SLV 15	9201	38789	40000	2.2	17.19	-3611	-23234	SLV 9	8718	38743	39981	2.45	10.73	Si
1707	4X/2Y Ø8/14.4	2257	-23147	SLV 15	9187	30516	36601	2.5	13.52	-3611	-23125	SLV 9	8703	27370	39390	2.5	7.58	Si
1736	4X/2Y Ø8/14.4	2257	-23038	SLV 15	9174	30516	36587	2.5	13.52	-3611	-23016	SLV 9	8689	27370	39375	2.5	7.58	Si
1765	4X/2Y Ø8/14.4	2257	-22930	SLV 15	9160	30516	36573	2.5	13.52	-3611	-22907	SLV 9	8674	27370	39359	2.5	7.58	Si
1794	4X/2Y Ø8/14.4	2257	-22821	SLV 15	9147	30516	36559	2.5	13.52	-3611	-22799	SLV 9	8660	27370	39344	2.5	7.58	Si
1823	4X/2Y Ø8/14.4	2257	-22712	SLV 15	9133	30516	36545	2.5	13.52	-3611	-22690	SLV 9	8645	27370	39329	2.5	7.58	Si
1852	4X/2Y Ø8/10	2257	-22603	SLV 15	9120	38789	39909	2.2	17.19	-3611	-22581	SLV 9	8630	38743	39890	2.45	10.73	Si
1881	4X/2Y Ø8/10	2257	-22495	SLV 15	9106	38789	39893	2.2	17.19	-3611	-22472	SLV 9	8616	38743	39874	2.45	10.73	Si
1910	4X/2Y Ø8/10	2257	-22386	SLV 15	9092	38789	39878	2.2	17.19	-3611	-22364	SLV 9	8601	38743	39859	2.45	10.73	Si
1930	2X/2Y Ø8/10	-1887	-8646	SLV 5	4827	20959	21709	2.4	11.11	-1810	-9393	SLV 13	4953	21598	21694	2.45	11.94	Si
1959	2X/2Y Ø8/10	-1887	-8582	SLV 5	4852	21158	21907	2.4	11.22	-1810	-9329	SLV 13	4945	21598	21686	2.45	11.94	Si
1988	2X/2Y Ø8/10	-1887	-8517	SLV 5	4844	21158	21898	2.4	11.22	-1810	-9263	SLV 13	4903	21395	21473	2.45	11.82	Si
2017	2X/2Y Ø8/10	-1887	-8452	SLV 5	4835	21158	21889	2.4	11.22	-1810	-9198	SLV 13	4895	21395	21465	2.45	11.82	Si
2046	2X/2Y Ø8/10	-1887	-8386	SLV 5	4827	21158	21881	2.4	11.22	-1810	-9133	SLV 13	4887	21395	21457	2.45	11.82	Si
2075	2X/2Y Ø8/10	-1887	-8321	SLV 5	4819	21158	21872	2.4	11.22	-1810	-9068	SLV 13	4879	21395	21448	2.45	11.82	Si
2104	2X/2Y Ø8/10	-1887	-8256	SLV 5	4811	21158	21863	2.4	11.22	-1810	-9002	SLV 13	4870	21395	21440	2.45	11.82	Si
2133	2X/2Y Ø8/10	-1887	-8191	SLV 5	4803	21158	21855	2.4	11.22	-1810	-8937	SLV 13	4862	21395	21431	2.45	11.82	Si
2162	2X/2Y Ø8/10	-1887	-8125	SLV 5	4795	21158	21846	2.4	11.22	-1810	-8872	SLV 13	4854	21395	21423	2.45	11.82	Si
2191	2X/2Y Ø8/10	-1887	-8060	SLV 5	4787	21158	21837	2.4	11.22	-1810	-8807	SLV 13	4846	21395	21414	2.45	11.82	Si
2220	2X/2Y Ø8/10	-1887	-7995	SLV 5	4779	21158	21829	2.4	11.22	-1810	-8741	SLV 13	4872	21598	21609	2.45	11.94	Si

Verifica a taglio in famiglia SLD Resistenza

	Direzione X	Direzione Y	Verifica

Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	6X/2Y Ø8/10	950	-153789	SLD 15	22477	66118	58834	2.5	61.92	-1690	-152537	SLD 5	22496	57236	65483	2.5	33.88	Si
-111	6X/2Y Ø8/10	950	-153638	SLD 15	22477	66118	58834	2.5	61.92	-1690	-152385	SLD 5	22496	57236	65483	2.5	33.88	Si
-81	6X/2Y Ø8/10	950	-153483	SLD 15	22477	66118	58834	2.5	61.92	-1690	-152231	SLD 5	22496	57236	65483	2.5	33.88	Si
-52	6X/2Y Ø8/10	950	-153329	SLD 15	22477	66118	58834	2.5	61.92	-1690	-152076	SLD 5	22496	57236	65483	2.5	33.88	Si
-22	6X/2Y Ø8/15	950	-153174	SLD 15	22477	44078	58834	2.5	46.39	-1690	-151922	SLD 5	22496	38157	65483	2.5	22.58	Si
7	6X/2Y Ø8/15	950	-153020	SLD 15	22477	44078	58834	2.5	46.39	-1690	-151767	SLD 5	22496	38157	65483	2.5	22.58	Si
36	6X/2Y Ø8/15	950	-152865	SLD 15	22477	44078	58834	2.5	46.39	-1690	-151613	SLD 5	22496	38157	65483	2.5	22.58	Si
66	6X/2Y Ø8/15	950	-152711	SLD 15	22477	44078	58834	2.5	46.39	-1690	-151458	SLD 5	22496	38157	65483	2.5	22.58	Si
95	6X/2Y Ø8/15	950	-152557	SLD 15	22477	44078	58834	2.5	46.39	-1690	-151304	SLD 5	22496	38157	65483	2.5	22.58	Si
125	6X/2Y Ø8/15	950	-152401	SLD 15	22477	44078	58834	2.5	46.39	-1690	-151148	SLD 5	22496	38157	65483	2.5	22.58	Si
154	6X/2Y Ø8/15	950	-152248	SLD 15	22477	44078	58834	2.5	46.39	-1690	-150995	SLD 5	22496	38157	65483	2.5	22.58	Si
184	6X/2Y Ø8/15	950	-152093	SLD 15	22477	44078	58834	2.5	46.39	-1690	-150841	SLD 5	22496	38157	65483	2.5	22.58	Si
213	6X/2Y Ø8/15	950	-151941	SLD 15	22477	44078	58834	2.5	46.39	-1690	-150689	SLD 5	22496	38157	65483	2.5	22.58	Si
242	6X/2Y Ø8/10	950	-151785	SLD 15	22477	66118	58834	2.5	61.92	-1690	-150532	SLD 5	22496	57236	65483	2.5	33.88	Si
272	6X/2Y Ø8/10	950	-151630	SLD 15	22477	66118	58834	2.5	61.92	-1690	-150378	SLD 5	22496	57236	65483	2.5	33.88	Si
301	6X/2Y Ø8/10	950	-151476	SLD 15	22477	66118	58834	2.5	61.92	-1690	-150223	SLD 5	22496	57236	65483	2.5	33.88	Si
331	6X/2Y Ø8/10	950	-151321	SLD 15	22477	66118	58834	2.5	61.92	-1690	-150069	SLD 5	22496	57236	65483	2.5	33.88	Si
360	6X/2Y Ø8/10	950	-151170	SLD 15	22477	66118	58834	2.5	61.92	-1690	-149917	SLD 5	22496	57236	65483	2.5	33.88	Si
380	6X/2Y Ø8/10	1447	-125457	SLD 15	22477	66118	58834	2.5	40.67	-1742	-124226	SLD 5	22496	57236	65483	2.5	32.85	Si
409	6X/2Y Ø8/10	1447	-125305	SLD 15	22477	66118	58834	2.5	40.67	-1742	-124074	SLD 5	22496	57236	65483	2.5	32.85	Si
438	6X/2Y Ø8/10	1447	-125153	SLD 15	22477	66118	58834	2.5	40.67	-1742	-123922	SLD 5	22496	57236	65483	2.5	32.85	Si
467	6X/2Y Ø8/14.4	1447	-125000	SLD 15	22477	45774	58834	2.5	31.64	-1742	-123769	SLD 5	22496	39625	65483	2.5	22.74	Si
496	6X/2Y Ø8/14.4	1447	-124848	SLD 15	22477	45774	58834	2.5	31.64	-1742	-123617	SLD 5	22496	39625	65483	2.5	22.74	Si
525	6X/2Y Ø8/14.4	1447	-124696	SLD 15	22477	45774	58834	2.5	31.64	-1742	-123465	SLD 5	22496	39625	65483	2.5	22.74	Si
554	6X/2Y Ø8/14.4	1447	-124544	SLD 15	22477	45774	58834	2.5	31.64	-1742	-123313	SLD 5	22496	39625	65483	2.5	22.74	Si
583	6X/2Y Ø8/14.4	1447	-124391	SLD 15	22477	45774	58834	2.5	31.64	-1742	-123160	SLD 5	22496	39625	65483	2.5	22.74	Si
612	6X/2Y Ø8/10	1447	-124239	SLD 15	22477	66118	58834	2.5	40.67	-1742	-123008	SLD 5	22496	57236	65483	2.5	32.85	Si
641	6X/2Y Ø8/10	1447	-124087	SLD 15	22477	66118	58834	2.5	40.67	-1742	-122856	SLD 5	22496	57236	65483	2.5	32.85	Si
670	6X/2Y Ø8/10	1447	-123935	SLD 15	22477	66118	58834	2.5	40.67	-1742	-122704	SLD 5	22496	57236	65483	2.5	32.85	Si
690	5X/2Y Ø8/10	1379	-99966	SLD 15	19266	55098	50429	2.5	36.58	-1872	-98696	SLD 5	19310	48385	55356	2.5	25.85	Si
719	5X/2Y Ø8/10	1379	-99837	SLD 15	19266	55098	50429	2.5	36.58	-1872	-98568	SLD 5	19310	48385	55356	2.5	25.85	Si
748	5X/2Y Ø8/10	1379	-99707	SLD 15	19266	55098	50429	2.5	36.58	-1872	-98437	SLD 5	19310	48385	55356	2.5	25.85	Si
777	5X/2Y Ø8/14.4	1379	-99576	SLD 15	19266	38145	50429	2.5	27.67	-1872	-98307	SLD 5	19310	33497	55356	2.5	17.89	Si
806	5X/2Y Ø8/14.4	1379	-99446	SLD 15	19266	38145	50429	2.5	27.67	-1872	-98176	SLD 5	19310	33497	55356	2.5	17.89	Si
835	5X/2Y Ø8/14.4	1379	-99315	SLD 15	19266	38145	50429	2.5	27.67	-1872	-98046	SLD 5	19310	33497	55356	2.5	17.89	Si
864	5X/2Y Ø8/14.4	1379	-99185	SLD 15	19266	38145	50429	2.5	27.67	-1872	-97915	SLD 5	19310	33497	55356	2.5	17.89	Si
893	5X/2Y Ø8/14.4	1379	-99054	SLD 15	19266	38145	50429	2.5	27.67	-1872	-97785	SLD 5	19310	33497	55356	2.5	17.89	Si
922	5X/2Y Ø8/10	1379	-98924	SLD 15	19266	55098	50429	2.5	36.58	-1872	-97654	SLD 5	19310	48385	55356	2.5	25.85	Si
951	5X/2Y Ø8/10	1379	-98793	SLD 15	19266	55098	50429	2.5	36.58	-1872	-97524	SLD 5	19310	48385	55356	2.5	25.85	Si
980	5X/2Y Ø8/10	1379	-98665	SLD 15	19266	55098	50429	2.5	36.58	-1872	-97396	SLD 5	19310	48385	55356	2.5	25.85	Si
1000	4X/2Y Ø8/10	-891	-73178	SLD 1	15416	44078	42024	2.5	47.16	-1189	-73900	SLD 5	15507	39534	45230	2.5	33.26	Si
1029	4X/2Y Ø8/10	-891	-73069	SLD 1	15402	44078	42024	2.5	47.16	-1189	-73791	SLD 5	15492	39534	45230	2.5	33.26	Si
1058	4X/2Y Ø8/10	-891	-72960	SLD 1	15389	44078	42024	2.5	47.16	-1189	-73682	SLD 5	15478	39534	45230	2.5	33.26	Si
1087	4X/2Y Ø8/14.4	-891	-72852	SLD 1	15375	30516	42024	2.5	34.25	-1189	-73573	SLD 5	15463	27370	45230	2.5	23.02	Si
1116	4X/2Y Ø8/14.4	-891	-72743	SLD 1	15362	30516	42024	2.5	34.25	-1189	-73465	SLD 5	15449	27370	45230	2.5	23.02	Si
1145	4X/2Y Ø8/14.4	-891	-72634	SLD 1	15348	30516	42024	2.5	34.25	-1189	-73356	SLD 5	15434	27370	45230	2.5	23.02	Si
1174	4X/2Y Ø8/14.4	-891	-72525	SLD 1	15335	30516	42024	2.5	34.25	-1189	-73247	SLD 5	15420	27370	45230	2.5	23.02	Si
1203	4X/2Y Ø8/14.4	-891	-72417	SLD 1	15321	30516	42024	2.5	34.25	-1189	-73138	SLD 5	15405	27370	45230	2.5	23.02	Si
1232	4X/2Y Ø8/10	-891	-72308	SLD 1	15308	44078	42024	2.5	47.16	-1189	-73030	SLD 5	15390	39534	45230	2.5	33.26	Si
1261	4X/2Y Ø8/10	-891	-72199	SLD 1	15294	44078	42024	2.5	47.16	-1189	-72921	SLD 5	15376	39534	45230	2.5	33.26	Si
1290	4X/2Y Ø8/10	-891	-72090	SLD 1	15281	44078	42024	2.5	47.16	-1189	-72812	SLD 5	15361	39534	45230	2.5	33.26	Si
1310	4X/2Y Ø8/10	-1294	-45621	SLD 1	11985	44078	39495	2.5	30.52	-1210	-46591	SLD 5	11848	39534	42642	2.5	32.68	Si
1339	4X/2Y Ø8/10	-1294	-45514	SLD 1	11972	44078	39481	2.5	30.51	-1210	-46485	SLD 5	11833	39534	42628	2.5	32.68	Si
1368	4X/2Y Ø8/10	-1294	-45405	SLD 1	11958	44078	39467	2.5	30.49	-1210	-46376	SLD 5	11819	39534	42613	2.5	32.68	Si
1397	4X/2Y Ø8/14.4	-1294	-45297	SLD 1	11945	30516	39453	2.5	23.58	-1210	-46267	SLD 5	11804	27370	42597	2.5	22.63	Si
1426	4X/2Y Ø8/14.4	-1294	-45188	SLD 1	11931	30516	39439	2.5	23.58	-1210	-46158	SLD 5	11790	27370	42582	2.5	22.63	Si
1455	4X/2Y Ø8/14.4	-1294	-45079	SLD 1	11918	30516	39425	2.5	23.58	-1210	-46050	SLD 5	11775	27370	42567	2.5	22.63	Si
1484	4X/2Y Ø8/14.4	-1294	-44970	SLD 1	11904	30516	39411	2.5	23.58	-1210	-45941	SLD 5	11761	27370	42552	2.5	22.63	Si
1513	4X/2Y Ø8/14.4	-1294	-44862	SLD 1	11891	30516	39397	2.5	23.58	-1210	-45832	SLD 5	11746	27370	42537	2.5	22.63	Si
1542	4X/2Y Ø8/10	-1294	-44753	SLD 1	11877	44078	39383	2.5	30.43	-1210	-45723	SLD 5	11731	39534	42522	2.5	32.68	Si
1571	4X/2Y Ø8/10	-1294	-44644	SLD 1	11864	44078	39369	2.5	30.42	-1210	-45615	SLD 5	11717	39534	42507	2.5	32.68	Si
1600	4X/2Y Ø8/10	-1294	-44535	SLD 1	11850	44078	39355	2.5	30.41	-1210	-45506	SLD 5	11702	39534	42492	2.5	32.68	Si
1620	4X/2Y Ø8/10	1359	-22229	SLD 15	9073	44078	36483	2.5	26.84	-1965	-22232	SLD 9	8584	39534	39266	2.5	19.99	Si
1649	4X/2Y Ø8/10	1359	-22123	SLD 15	9060	44078	36469	2.5	26.83	-1965	-22125	SLD 9	8569	39534	39251	2.5	19.98	Si
1678	4X/2Y Ø8/10	1359	-22014	SLD 15	9046	44078	36455	2.5	26.82	-1965	-22017	SLD 9	8555	39534	39236	2.5	19.97	Si
1707	4X/2Y Ø8/14.4	1359	-21905	SLD 15	9033	30516	36441	2.5	22.45	-1965	-21908	SLD 9	8540	27370	39221	2.5	13.93	Si
1736	4X/2Y Ø8/14.4	1359	-21796	SLD 15	9019	30516	36427	2.5	22.45	-1965	-21799	SLD 9	8526	27370	39206	2.5	13.93	Si
1765	4X/2Y Ø8/14.4	1359	-21688	SLD 15	9005	30516	36413	2.5	22.45	-1965	-21690	SLD 9	8511	27370	39191	2.5	13.93	Si
1794	4X/2Y Ø8/14.4	1359	-21579	SLD 15	8992	30516	36399	2.5	22.45	-1965	-21582	SLD 9	8497	27370	39176	2.5	13.93	Si
1823	4X/2Y Ø8/14.4	1359	-21470	SLD 15	8978	30516	36385	2.5	22.45	-1965	-21473	SLD 9	8482	27370	39161	2.5	13.93	Si
1852	4X/2Y Ø8/10	1359	-21361	SLD 15	8965	44078	36371	2.5	26.76	-1965	-21364	SLD 9	8467	39534	39145	2.5	19.92	Si
1881	4X/2Y Ø8/10	1359	-21253	SLD 15	8951	44078	36357	2.5	26.75	-1965	-21255	SLD 9	8453	39534	39130	2.5	19.92	Si
1910	4X/2Y Ø8/10	1359	-21144	SLD 15	8938	44078	36343	2.5	26.74	-1965	-21147	SLD 9	8438	39534	39115	2.5	19.91	Si
1930	2X/2Y Ø8/10	-1088	-8389	SLD 5	4795	21832	21052	2.5	19.34	-1395	-8705	SLD 13	4867	22039	21293	2.5	15.26	Si
1959	2X/2Y Ø8/10	-1088	-8324	SLD 5	4820	22039	21244	2.5	19.52	-1395	-8641	SLD 13	4859	22039	21285	2.5	15.26	Si
1988	2X/2Y Ø8/10	-1088	-8259	SLD 5	4811	22039	21235	2.5	19.51	-1395	-8575	SLD 13	4818	21832	21076	2.5	15.11	Si
2017	2X/2Y Ø8/10	-1088	-8194	SLD 5	4803	22039	21227	2.5	19.5	-1395	-8510	SLD 13	4810	21832	21068	2.5	15.1	Si
2046	2X/2Y Ø8/10	-1088	-8129	SLD 5	4795	22039	21219	2.5	19.49	-1395	-8445	SLD 13	4802	21832	21059	2.5	15.09	Si
2075	2X/2Y Ø8/10	-1088	-8063	SLD 5	4787	22039	21210	2.5	19.49	-1395	-8380	SLD 13	4794	21832	21051	2.5	15.09	Si
2104	2X/2Y Ø8/10	-1088	-7998	SLD 5	4779	22039	21202	2.5	19.48	-1395	-8314	SLD 13	4786	21832	21043	2.5	15.08	Si
2133	2X/2Y Ø8/10	-1088	-7933	SLD 5	4771	22039	21193	2.5	19.47	-1395	-8249	SLD 13	4778	21832	21034	2.5	15.08	Si
2162	2X/2Y Ø8/10	-1088	-7868	SLD 5	4763	22039	21185	2.5	19.46	-1395	-8184	SLD 13	4770	21832	21026	2.5	15.07	Si
2191	2X/2Y Ø8/10	-1088	-7802	SLD 5	4755	22039	21177	2.5	19.46	-1395	-8119	SLD 13	4761	21832	21018	2.5	15.06	Si
2220	2X/2Y Ø8/10	-1088	-7737	SLD 5	4747	22039	21168	2.5	19.45	-1395	-8053	SLD 13	4786	22039	21209	2.5	15.2	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	72686	-110640	-175999	SLE RA 13	-82.6	72686	-110640	-175999	SLE RA 13	-1187.8	Si
-111	65008	-99432	-175848	SLE RA 13	-81.4	65008	-99432	-175848	SLE RA 13	-1175	Si
-81	57197	-88029	-175693	SLE RA 13	-80.2	57197	-88029	-175693	SLE RA 13	-1162	Si
-52	49387	-76627	-175539	SLE RA 13	-79	49387	-76627	-175539	SLE RA 13	-1149	Si
-22	41576	-65224	-175384	SLE RA 13	-77.8	41576	-65224	-175384	SLE RA 13	-1136.1	Si
7	33765	-53822	-175230	SLE RA 13	-76.5	33765	-53822	-175230	SLE RA 13	-1123.1	Si
36	25955	-42419	-175075	SLE RA 13	-75.3	25955	-42419	-175075	SLE RA 13	-1110.1	Si
66	18144	-31017	-174921	SLE RA 13	-74.1	18144	-31017	-174921	SLE RA 13	-1097.1	Si
95	16152	-17336	-174850	SLE RA 12	-72.9	16152	-17336	-174850	SLE RA 12	-1085.5	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
125	11254	-7673	-174694	SLE RA 12	-71.9	11254	-7673	-174694	SLE RA 12	-1075.1	Si
154	-5288	3190	-174458	SLE RA 13	-71.3	-5288	3190	-174458	SLE RA 13	-1067.7	Si
184	-13099	14593	-174303	SLE RA 13	-72.4	-13099	14593	-174303	SLE RA 13	-1078.8	Si
213	-20792	25824	-174151	SLE RA 13	-73.5	-20792	25824	-174151	SLE RA 13	-1089.7	Si
242	-28720	37398	-173995	SLE RA 13	-74.6	-28720	37398	-173995	SLE RA 13	-1101	Si
272	-36531	48800	-173840	SLE RA 13	-75.7	-36531	48800	-173840	SLE RA 13	-1112.1	Si
301	-44341	60202	-173686	SLE RA 13	-76.8	-44341	60202	-173686	SLE RA 13	-1123.2	Si
331	-52152	71605	-173531	SLE RA 13	-77.9	-52152	71605	-173531	SLE RA 13	-1134.2	Si
360	-59830	82814	-173380	SLE RA 13	-79	-59830	82814	-173380	SLE RA 13	-1145.2	Si
380	146944	-50200	-144543	SLE RA 12	-67.7	146944	-50200	-144543	SLE RA 12	-983.3	Si
409	120307	-39429	-144391	SLE RA 12	-65.9	120307	-39429	-144391	SLE RA 12	-962.5	Si
438	93670	-28658	-144239	SLE RA 12	-64.1	93670	-28658	-144239	SLE RA 12	-941.7	Si
467	67034	-17887	-144087	SLE RA 12	-62.2	67034	-17887	-144087	SLE RA 12	-920.9	Si
496	40397	-7116	-143934	SLE RA 12	-60.4	40397	-7116	-143934	SLE RA 12	-900.1	Si
525	13760	3655	-143782	SLE RA 12	-59.2	13760	3655	-143782	SLE RA 12	-884.9	Si
554	-18185	17053	-143617	SLE RA 13	-60.3	-18185	17053	-143617	SLE RA 13	-895.9	Si
583	-39046	27720	-143465	SLE RA 13	-61.8	-39046	27720	-143465	SLE RA 13	-912.2	Si
612	-66150	35968	-143325	SLE RA 12	-63.3	-66150	35968	-143325	SLE RA 12	-929.5	Si
641	-92787	46739	-143173	SLE RA 12	-64.9	-92787	46739	-143173	SLE RA 12	-946.9	Si
670	-119424	57510	-143021	SLE RA 12	-63.7	-119424	57510	-143021	SLE RA 12	-925.3	Si
690	141482	-66703	-116177	SLE RA 12	-66.2	143361	-65728	-116155	SLE RA 13	-944.2	Si
719	116578	-50739	-116027	SLE RA 13	-64.6	116578	-50739	-116027	SLE RA 13	-929.8	Si
748	89324	-35486	-115896	SLE RA 13	-62.6	89324	-35486	-115896	SLE RA 13	-910.8	Si
777	62071	-20234	-115766	SLE RA 13	-59.9	62071	-20234	-115766	SLE RA 13	-880.4	Si
806	34817	-4982	-115635	SLE RA 13	-57.1	34817	-4982	-115635	SLE RA 13	-850.1	Si
835	7564	10271	-115505	SLE RA 13	-56.3	7564	10271	-115505	SLE RA 13	-837.9	Si
864	-25099	25590	-115396	SLE RA 12	-58.4	-25099	25590	-115396	SLE RA 12	-860.9	Si
893	-52943	41016	-115266	SLE RA 12	-61.1	-52943	41016	-115266	SLE RA 12	-889.9	Si
922	-80786	56442	-115135	SLE RA 12	-63.8	-80786	56442	-115135	SLE RA 12	-918.9	Si
951	-108630	71869	-115005	SLE RA 12	-66.3	-108630	71869	-115005	SLE RA 12	-946	Si
980	-135993	87029	-114877	SLE RA 12	-65.4	-135993	87029	-114877	SLE RA 12	-926.9	Si
1000	102287	-15948	-87693	SLE RA 12	-57.2	102287	-15948	-87693	SLE RA 12	-827.6	Si
1029	83699	-21003	-87585	SLE RA 12	-57.5	83699	-21003	-87585	SLE RA 12	-832.6	Si
1058	65112	-26058	-87476	SLE RA 12	-57.6	65112	-26058	-87476	SLE RA 12	-834.1	Si
1087	46524	-31113	-87367	SLE RA 12	-56.8	46524	-31113	-87367	SLE RA 12	-823.5	Si
1116	27937	-36168	-87258	SLE RA 12	-56	27937	-36168	-87258	SLE RA 12	-812.9	Si
1145	10052	-40931	-87137	SLE RA 13	-55.3	10052	-40931	-87137	SLE RA 13	-802.5	Si
1174	-9238	-46278	-87041	SLE RA 12	-55.7	-9238	-46278	-87041	SLE RA 12	-806.8	Si
1203	-27826	-51333	-86932	SLE RA 12	-57.5	-27826	-51333	-86932	SLE RA 12	-826.3	Si
1232	-46413	-56389	-86823	SLE RA 12	-59.3	-46413	-56389	-86823	SLE RA 12	-845.7	Si
1261	-65001	-61444	-86715	SLE RA 12	-61.1	-65001	-61444	-86715	SLE RA 12	-865.2	Si
1290	-83588	-66499	-86606	SLE RA 12	-62.8	-83588	-66499	-86606	SLE RA 12	-884.7	Si
1310	105394	106560	-55564	SLE RA 13	-50.9	105394	106560	-55564	SLE RA 13	-677.8	Si
1339	84137	87925	-55458	SLE RA 13	-47.3	84137	87925	-55458	SLE RA 13	-639.8	Si
1368	62507	68962	-55349	SLE RA 13	-43.7	62507	68962	-55349	SLE RA 13	-601.1	Si
1397	40878	50000	-55240	SLE RA 13	-40.1	40878	50000	-55240	SLE RA 13	-562.4	Si
1426	19248	31037	-55131	SLE RA 13	-36.4	19248	31037	-55131	SLE RA 13	-523.7	Si
1455	-4021	11401	-55029	SLE RA 12	-33.1	-4021	11401	-55029	SLE RA 12	-489.5	Si
1484	-26436	-7212	-54920	SLE RA 12	-34.1	-26436	-7212	-54920	SLE RA 12	-502.2	Si
1513	-48850	-25825	-54812	SLE RA 12	-37.7	-48850	-25825	-54812	SLE RA 12	-539.3	Si
1542	-71264	-44438	-54703	SLE RA 12	-41.2	-71264	-44438	-54703	SLE RA 12	-576.4	Si
1571	-93678	-63051	-54594	SLE RA 12	-44.7	-93678	-63051	-54594	SLE RA 12	-613.4	Si
1600	-116093	-81664	-54485	SLE RA 12	-48.3	-116093	-81664	-54485	SLE RA 12	-650.5	Si
1620	102633	-87918	-25971	SLE RA 10	-31.7	102633	-87918	-25971	SLE RA 10	-400.7	Si
1649	77789	-59917	-25864	SLE RA 10	-26.8	79537	-58589	-25873	SLE RA 11	-349.8	Si
1678	54127	-30610	-25764	SLE RA 11	-21.9	56801	-23539	-26428	SLE RA 13	-298.7	Si
1707	30262	3208	-26319	SLE RA 13	-17.5	30262	3208	-26319	SLE RA 13	-254.6	Si
1736	3724	29955	-26210	SLE RA 13	-18.6	3724	29955	-26210	SLE RA 13	-260.8	Si
1765	-24047	57427	-26093	SLE RA 12	-23	-24047	57427	-26093	SLE RA 12	-305.6	Si
1794	-50456	84687	-25985	SLE RA 12	-27.7	-50456	84687	-25985	SLE RA 12	-355.2	Si
1823	-76865	111947	-25876	SLE RA 12	-32.5	-76865	111947	-25876	SLE RA 12	-404.7	Si
1852	-103275	139208	-25767	SLE RA 12	-37.3	-103275	139208	-25767	SLE RA 12	-454.3	Si
1881	-129684	166468	-25658	SLE RA 12	-42	-129684	166468	-25658	SLE RA 12	-503.9	Si
1910	-156094	193728	-25550	SLE RA 12	-48.1	-156094	193728	-25550	SLE RA 12	-558.2	Si
1930	174472	62346	-10136	SLE RA 13	-68.1	174472	62346	-10136	SLE RA 13	787.9	Si
1959	137138	50510	-10072	SLE RA 13	-61.2	137138	50510	-10072	SLE RA 13	629.6	Si
1988	99149	38466	-10007	SLE RA 13	-42.8	99149	38466	-10007	SLE RA 13	-441.5	Si
2017	61160	26423	-9942	SLE RA 13	-25.5	61160	26423	-9942	SLE RA 13	-295.8	Si
2046	23171	14379	-9877	SLE RA 13	-16.1	23171	14379	-9877	SLE RA 13	-204.3	Si
2075	-17428	1786	-9700	SLE RA 8	-12.6	-17428	1786	-9700	SLE RA 8	-169.7	Si
2104	-53895	-9975	-9635	SLE RA 8	-20.9	-53190	-9906	-9739	SLE RA 12	-250	Si
2133	-90842	-22050	-9674	SLE RA 12	-30.2	-90842	-22050	-9674	SLE RA 12	-339.2	Si
2162	-128494	-34195	-9609	SLE RA 12	-53	-128784	-33795	-9616	SLE RA 13	526.1	Si
2191	-166773	-45839	-9550	SLE RA 13	-71.3	-166773	-45839	-9550	SLE RA 13	913.5	Si
2220	-204762	-57883	-9485	SLE RA 13	-79.6	-204762	-57883	-9485	SLE RA 13	1038	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²

Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	8546	-80816	-153079	SLE QP 2	-68.8	Si
-111	7471	-72702	-152927	SLE QP 2	-68	Si
-81	6377	-64447	-152773	SLE QP 2	-67.3	Si
-52	5283	-56191	-152618	SLE QP 2	-66.6	Si
-22	4190	-47936	-152464	SLE QP 2	-65.8	Si
7	3096	-39681	-152309	SLE QP 2	-65.1	Si
36	2002	-31426	-152155	SLE QP 2	-64.3	Si
66	909	-23171	-152001	SLE QP 2	-63.6	Si
95	-185	-14916	-151846	SLE QP 2	-62.8	Si
125	-1290	-6578	-151690	SLE QP 2	-62.2	Si
154	-2372	1594	-151537	SLE QP 2	-61.8	Si
184	-3466	9849	-151383	SLE QP 2	-62.4	Si
213	-4543	17981	-151231	SLE QP 2	-63	Si
242	-5653	26360	-151074	SLE QP 2	-63.6	Si
272	-6747	34615	-150920	SLE QP 2	-64.2	Si
301	-7841	42870	-150765	SLE QP 2	-64.9	Si
331	-8934	51125	-150611	SLE QP 2	-65.5	Si
360	-10010	59240	-150459	SLE QP 2	-66.1	Si
380	125002	-42259	-124754	SLE QP 2	-58.3	Si
409	102941	-33096	-124601	SLE QP 2	-56.8	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
438	80880	-23933	-124449	SLE QP 2	-55.2	Si
467	58819	-14771	-124297	SLE QP 2	-53.7	Si
496	36758	-5608	-124145	SLE QP 2	-52.1	Si
525	14697	3555	-123992	SLE QP 2	-51.2	Si
554	-7364	12718	-123840	SLE QP 2	-51.5	Si
583	-29424	21881	-123688	SLE QP 2	-53	Si
612	-51485	31044	-123536	SLE QP 2	-54.4	Si
641	-73546	40206	-123383	SLE QP 2	-55.7	Si
670	-95607	49369	-123231	SLE QP 2	-54.7	Si
690	111217	-56207	-99245	SLE QP 2	-56	Si
719	89609	-43537	-99117	SLE QP 2	-54.7	Si
748	67622	-30646	-98986	SLE QP 2	-53.1	Si
777	45636	-17754	-98856	SLE QP 2	-50.8	Si
806	23649	-4863	-98725	SLE QP 2	-48.5	Si
835	1662	8029	-98595	SLE QP 2	-47.7	Si
864	-20325	20920	-98464	SLE QP 2	-49.7	Si
893	-42311	33812	-98334	SLE QP 2	-51.9	Si
922	-64298	46704	-98203	SLE QP 2	-54	Si
951	-86285	59595	-98073	SLE QP 2	-56.1	Si
980	-107893	72264	-97944	SLE QP 2	-55.2	Si
1000	80469	-18252	-73689	SLE QP 2	-48.2	Si
1029	66021	-20859	-73580	SLE QP 2	-48.4	Si
1058	51573	-23466	-73472	SLE QP 2	-48.3	Si
1087	37125	-26074	-73363	SLE QP 2	-47.6	Si
1116	22676	-28681	-73254	SLE QP 2	-46.8	Si
1145	8228	-31289	-73145	SLE QP 2	-46	Si
1174	-6220	-33896	-73037	SLE QP 2	-46.1	Si
1203	-20668	-36504	-72928	SLE QP 2	-47.3	Si
1232	-35116	-39111	-72819	SLE QP 2	-48.6	Si
1261	-49564	-41718	-72710	SLE QP 2	-49.8	Si
1290	-64012	-44326	-72602	SLE QP 2	-51	Si
1310	82702	70914	-46350	SLE QP 2	-40.1	Si
1339	65433	58703	-46243	SLE QP 2	-37.5	Si
1368	47861	46278	-46134	SLE QP 2	-34.9	Si
1397	30290	33853	-46026	SLE QP 2	-32.3	Si
1426	12718	21428	-45917	SLE QP 2	-29.6	Si
1455	-4854	9003	-45808	SLE QP 2	-27.6	Si
1484	-22426	-3422	-45699	SLE QP 2	-28.2	Si
1513	-39997	-15847	-45591	SLE QP 2	-30.7	Si
1542	-57569	-28272	-45482	SLE QP 2	-33.2	Si
1571	-75141	-40697	-45373	SLE QP 2	-35.7	Si
1600	-92713	-53123	-45264	SLE QP 2	-38.2	Si
1620	80769	-68713	-21325	SLE QP 2	-25.4	Si
1649	61164	-46933	-21218	SLE QP 2	-21.6	Si
1678	41216	-24771	-21109	SLE QP 2	-17.7	Si
1707	21267	-2609	-21001	SLE QP 2	-13.8	Si
1736	1318	19553	-20892	SLE QP 2	-14.3	Si
1765	-18630	41715	-20783	SLE QP 2	-17.8	Si
1794	-38579	63876	-20674	SLE QP 2	-21.6	Si
1823	-58528	86038	-20566	SLE QP 2	-25.3	Si
1852	-78477	108200	-20457	SLE QP 2	-29.1	Si
1881	-98425	130362	-20348	SLE QP 2	-32.9	Si
1910	-118374	152524	-20239	SLE QP 2	-34.4	Si
1930	134951	50097	-8187	SLE QP 2	-53	Si
1959	105596	40752	-8123	SLE QP 2	-47.4	Si
1988	75725	31243	-8058	SLE QP 2	-27.4	Si
2017	45855	21735	-7993	SLE QP 2	-20	Si
2046	15984	12226	-7927	SLE QP 2	-12.5	Si
2075	-13886	2718	-7862	SLE QP 2	-10.4	Si
2104	-43757	-6791	-7797	SLE QP 2	-16.7	Si
2133	-73627	-16300	-7732	SLE QP 2	-24.1	Si
2162	-103497	-25808	-7666	SLE QP 2	-42.2	Si
2191	-133368	-35317	-7601	SLE QP 2	-56.6	Si
2220	-163238	-44825	-7536	SLE QP 2	-63.1	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-140	-10154	-75302	-143766										No	Si
-111	-9747	-67739	-143614										No	Si
-81	-9334	-60045	-143460										No	Si
-52	-8920	-52351	-143306										No	Si
-22	-8506	-44657	-143151										No	Si
7	-8093	-36963	-142997										No	Si
36	-7679	-29269	-142842										No	Si
66	-7265	-21575	-142688										No	Si
95	-6852	-13881	-142534										No	Si
125	-6434	-6110	-142378										No	Si
154	-6025	1507	-142225										No	Si
184	-5611	9201	-142070										No	Si
213	-5203	16780	-141918										No	Si
242	-4784	24589	-141761										No	Si
272	-4370	32283	-141607										No	Si
301	-3956	39977	-141453										No	Si
331	-3543	47671	-141298										No	Si
360	-3136	55234	-141146										No	Si
380	115692	-38874	-116831										No	Si
409	95555	-30396	-116679										No	Si
438	75419	-21918	-116527										No	Si
467	55283	-13440	-116375										No	Si
496	35147	-4961	-116222										No	Si
525	15011	3517	-116070										No	Si
554	-5125	11995	-115918										No	Si
583	-25261	20473	-115766										No	Si
612	-45397	28952	-115613										No	Si
641	-65533	37430	-115461										No	Si
670	-85669	45908	-115309										No	Si

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
690	98690	-51658	-92562										No	Si
719	79470	-40072	-92434										No	Si
748	59913	-28283	-92303										No	Si
777	40356	-16495	-92173										No	Si
806	20799	-4706	-92042										No	Si
835	1242	7083	-91912										No	Si
864	-18315	18872	-91781										No	Si
893	-37872	30661	-91651										No	Si
922	-57430	42449	-91520										No	Si
951	-76987	54238	-91390										No	Si
980	-96207	65824	-91261										No	Si
1000	71549	-19415	-68279										No	Si
1029	58816	-20898	-68170										No	Si
1058	46083	-22382	-68061										No	Si
1087	33350	-23866	-67952										No	Si
1116	20616	-25349	-67844										No	Si
1145	7883	-26833	-67735										No	Si
1174	-4850	-28317	-67626										No	Si
1203	-17583	-29800	-67517										No	Si
1232	-30316	-31284	-67409										No	Si
1261	-43049	-32768	-67300										No	Si
1290	-55782	-34252	-67191										No	Si
1310	73052	58393	-42996										No	Si
1339	57570	48170	-42889										No	Si
1368	41817	37768	-42780										No	Si
1397	26064	27366	-42671										No	Si
1426	10311	16963	-42563										No	Si
1455	-5442	6561	-42454										No	Si
1484	-21195	-3842	-42345										No	Si
1513	-36948	-14244	-42236										No	Si
1542	-52701	-24647	-42128										No	Si
1571	-68454	-35049	-42019										No	Si
1600	-84207	-45452	-41910										No	Si
1620	87016	-74200	-22652										No	Si
1649	54040	-41368	-19227										No	Si
1678	36376	-21919	-19118										No	Si
1707	18712	-2470	-19009										No	Si
1736	1048	16979	-18900										No	Si
1765	-16615	36428	-18792										No	Si
1794	-34279	55876	-18683										No	Si
1823	-62918	93180	-21893										No	Si
1852	-84390	117151	-21784										No	Si
1881	-105862	141121	-21676										No	Si
1910	-127334	165092	-21567										No	Si
1930	143934	53100	-8597										No	Si
1959	112817	43162	-8532										No	Si
1988	81153	33049	-8467										No	Si
2017	49489	22937	-8402										No	Si
2046	13223	11329	-7314										No	Si
2075	-13958	2726	-7248										No	Si
2104	-45086	-7184	-8001										No	Si
2133	-77166	-17513	-8141										No	Si
2162	-108830	-27625	-8076										No	Si
2191	-140493	-37738	-8010										No	Si
2220	-172157	-47850	-7945	SLE FR 6	-157885	-43883	-43883	871.8	203.5	0.0445	25.22	0.0064	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-140	-10154	-75302	-143766										No	Si
-111	-9747	-67739	-143614										No	Si
-81	-9334	-60045	-143460										No	Si
-52	-8920	-52351	-143306										No	Si
-22	-8506	-44657	-143151										No	Si
7	-8093	-36963	-142997										No	Si
36	-7679	-29269	-142842										No	Si
66	-7265	-21575	-142688										No	Si
95	-6852	-13881	-142534										No	Si
125	-6434	-6110	-142378										No	Si
154	-6025	1507	-142225										No	Si
184	-5611	9201	-142070										No	Si
213	-5203	16780	-141918										No	Si
242	-4784	24589	-141761										No	Si
272	-4370	32283	-141607										No	Si
301	-3956	39977	-141453										No	Si
331	-3543	47671	-141298										No	Si
360	-3136	55234	-141146										No	Si
380	115692	-38874	-116831										No	Si
409	95555	-30396	-116679										No	Si
438	75419	-21918	-116527										No	Si
467	55283	-13440	-116375										No	Si
496	35147	-4961	-116222										No	Si
525	15011	3517	-116070										No	Si
554	-5125	11995	-115918										No	Si
583	-25261	20473	-115766										No	Si
612	-45397	28952	-115613										No	Si
641	-65533	37430	-115461										No	Si
670	-85669	45908	-115309										No	Si
690	98690	-51658	-92562										No	Si
719	79470	-40072	-92434										No	Si
748	59913	-28283	-92303										No	Si
777	40356	-16495	-92173										No	Si
806	20799	-4706	-92042										No	Si
835	1242	7083	-91912										No	Si
864	-18315	18872	-91781										No	Si
893	-37872	30661	-91651										No	Si
922	-57430	42449	-91520										No	Si

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
951	-76987	54238	-91390										No	Si
980	-96207	65824	-91261										No	Si
1000	71549	-19415	-68279										No	Si
1029	58816	-20898	-68170										No	Si
1058	46083	-22382	-68061										No	Si
1087	33350	-23866	-67952										No	Si
1116	20616	-25349	-67844										No	Si
1145	7883	-26833	-67735										No	Si
1174	-4850	-28317	-67626										No	Si
1203	-17583	-29800	-67517										No	Si
1232	-30316	-31284	-67409										No	Si
1261	-43049	-32768	-67300										No	Si
1290	-55782	-34252	-67191										No	Si
1310	73052	58393	-42996										No	Si
1339	57570	48170	-42889										No	Si
1368	41817	37768	-42780										No	Si
1397	26064	27366	-42671										No	Si
1426	10311	16963	-42563										No	Si
1455	-5442	6561	-42454										No	Si
1484	-21195	-3842	-42345										No	Si
1513	-36948	-14244	-42236										No	Si
1542	-52701	-24647	-42128										No	Si
1571	-68454	-35049	-42019										No	Si
1600	-84207	-45452	-41910										No	Si
1620	80769	-68713	-21325										No	Si
1649	54040	-41368	-19227										No	Si
1678	36376	-21919	-19118										No	Si
1707	18712	-2470	-19009										No	Si
1736	1048	16979	-18900										No	Si
1765	-16615	36428	-18792										No	Si
1794	-34279	55876	-18683										No	Si
1823	-58528	86038	-20566										No	Si
1852	-78477	108200	-20457										No	Si
1881	-98425	130362	-20348										No	Si
1910	-118374	152524	-20239										No	Si
1930	134951	50097	-8187										No	Si
1959	105596	40752	-8123										No	Si
1988	75725	31243	-8058										No	Si
2017	45855	21735	-7993										No	Si
2046	13223	11329	-7314										No	Si
2075	-13958	2726	-7248										No	Si
2104	-43757	-6791	-7797										No	Si
2133	-73627	-16300	-7732										No	Si
2162	-103497	-25808	-7666										No	Si
2191	-133368	-35317	-7601										No	Si
2220	-163238	-44825	-7536	SLE QP 2	-158370	-43488	-43488	824.6	205	0.0441	25.23	0.0061	Si	Si

Verifiche nodi trave colonna

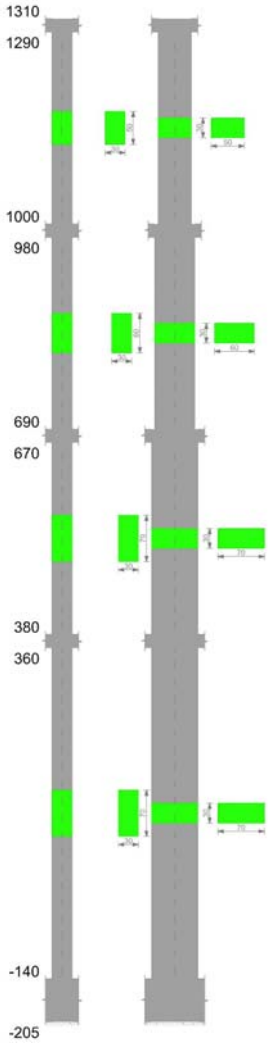
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 2230 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.

Pilastro 16

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x70	No	No	No	No		C30/37	B450C	
380	670	R 30x70	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.67	-29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.67	29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.67	29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	-18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	-6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	-18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	-6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.2	-9.67	-29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.67	-29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.67	29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.67	29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	-18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	-6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	-18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	-6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	18.42	1.6	2.011	-140	380	R 30x70	B450C
p.3	-9.67	-29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	9.67	-29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	9.67	29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	-9.67	29.67	1.6	2.011	380	690	R 30x70	B450C
p.5	-9.9	-18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	-9.9	18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	9.9	-18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	9.9	18.42	1.6	2.011	380	690	R 30x70	B450C
p.6	-9.9	-6.14	1.6	2.011	380	690	R 30x70	B450C
p.6	-9.9	6.14	1.6	2.011	380	690	R 30x70	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	9.9	-6.14	1.6	2.011	380	690	R 30x70	B450C
p.6	9.9	6.14	1.6	2.011	380	690	R 30x70	B450C
p.7	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.7	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.9	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.9	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.9	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.9	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.10	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.10	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.11	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.12	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.12	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.12	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.12	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	2.3	0	1,2	610610	518526	-191162	1130369	959902	SLU 52	1.851	Si
-111	24.13	2.3	0	1,2	548339	517991	-190964	1021642	965099	SLU 52	1.863	Si
-81	24.13	1.1	0	2	517447	517447	-190764	967634	967634	SLU 52	1.87	Si
-52	24.13	1.1	0	2	516902	516902	-190563	967634	967634	SLU 52	1.872	Si
-22	24.13	1.1	0	2	516358	516358	-190362	967634	967634	SLU 52	1.874	Si
7	24.13	1.1	0	2	515813	515813	-190161	967634	967634	SLU 52	1.876	Si
36	24.13	1.1	0	2	515269	515269	-189961	967634	967634	SLU 52	1.878	Si
66	24.13	1.1	0	2	514724	514724	-189760	967634	967634	SLU 52	1.88	Si
95	24.13	1.1	0	2	514180	514180	-189559	967634	967634	SLU 52	1.882	Si
125	24.13	1.1	0	2	513630	-513630	-189357	967634	-967634	SLU 52	1.884	Si
154	24.13	1.1	0	2	-513091	-513091	-189158	-967634	-967634	SLU 52	1.886	Si
184	24.13	1.1	0	2	-512546	-512546	-188957	-967634	-967634	SLU 52	1.888	Si
213	24.13	1.1	0	2	-512010	-512010	-188759	-967634	-967634	SLU 52	1.89	Si
242	24.13	1.1	0	2	-511457	-511457	-188556	-967634	-967634	SLU 52	1.892	Si
272	24.13	1.1	0	2	-510913	-510913	-188355	-967634	-967634	SLU 52	1.894	Si
301	24.13	1.1	0	2	-510368	-510368	-188154	-967634	-967634	SLU 52	1.896	Si
331	24.13	1.1	0	2	-509824	-509824	-187953	-967634	-967634	SLU 52	1.898	Si
360	24.13	1.1	0	2	-509288	-509288	-187756	-967634	-967634	SLU 52	1.9	Si
380	24.13	2.3	0	2,3,5,6	-305991	305991	-152996	-763108	763108	SLU 52	2.494	Si
409	24.13	2.3	0	2,3,5,6	-305595	305595	-152798	-763108	763108	SLU 52	2.497	Si
438	24.13	1.1	0	3,5,6	-305200	305200	-152600	-763108	763108	SLU 52	2.5	Si
467	24.13	1.1	0	3,5,6	-304804	304804	-152402	-763108	763108	SLU 52	2.504	Si
496	24.13	1.1	0	3,5,6	-304408	304408	-152204	-763108	763108	SLU 52	2.507	Si
525	24.13	1.1	0	3,5,6	-304012	304012	-152006	-763108	763108	SLU 52	2.51	Si
554	24.13	1.1	0	3,5,6	-303616	-303616	-151808	-763108	-763108	SLU 52	2.513	Si
583	24.13	1.1	0	3,5,6	-303220	-303220	-151610	-763108	-763108	SLU 52	2.517	Si
612	24.13	1.1	0	3,5,6	-302824	-302824	-151412	-763108	-763108	SLU 52	2.52	Si
641	24.39	1.5	0	3,4,5,6	-302429	-302429	-151214	-764835	-764835	SLU 52	2.529	Si
670	31.44	1.9	0	3,4,5,6	-302033	-302033	-151016	-811233	-811233	SLU 52	2.686	Si
690	24.13	2.5	0	4,5,6,7,9,10	232537	232537	-116269	673235	673235	SLU 52	2.895	Si
719	21.83	2.5	0	4,5,6,7,9,10	232204	232204	-116102	658510	658510	SLU 52	2.836	Si
748	20.11	1.1	0	7,9,10	231864	231864	-115932	647491	647491	SLU 52	2.793	Si
777	20.11	1.1	0	7,9,10	231525	231525	-115763	647491	647491	SLU 52	2.797	Si
806	20.11	1.1	0	7,9,10	231186	231186	-115593	647491	647491	SLU 52	2.801	Si
835	20.11	1.1	0	7,9,10	-230846	230846	-115423	-647491	647491	SLU 52	2.805	Si
864	20.11	1.1	0	7,9,10	-230507	-230507	-115254	-647491	-647491	SLU 52	2.809	Si
893	20.11	1.1	0	7,9,10	-230168	-230168	-115084	-647491	-647491	SLU 52	2.813	Si
922	20.11	1.1	0	7,9,10	-229829	-229829	-114914	-647491	-647491	SLU 52	2.817	Si
951	20.37	1.6	0	7,8,9,10	-229489	-229489	-114745	-649217	-649217	SLU 52	2.829	Si
980	27.42	2	0	7,8,9,10	-229156	-229156	-114578	-695580	-695580	SLU 52	3.035	Si
1000	20.11	2.4	0	8,9,10,11,12	183251	160718	-80359	628593	551300	SLU 52	3.43	Si
1029	17.8	2.4	0	8,9,10,11,12	160436	160436	-80218	541580	541580	SLU 52	3.376	Si
1058	16.08	1.1	0	11,12	160153	160153	-80076	530708	530708	SLU 52	3.314	Si
1087	16.08	1.1	0	11,12	159870	159870	-79935	530708	530708	SLU 52	3.32	Si
1116	16.08	1.1	0	11,12	159587	-159587	-79794	530708	-530708	SLU 52	3.326	Si
1145	16.08	1.1	0	11,12	-159305	-159305	-79652	-530708	-530708	SLU 52	3.331	Si
1174	16.08	1.1	0	11,12	-159022	-159022	-79511	-530708	-530708	SLU 52	3.337	Si
1203	16.08	1.1	0	11,12	-158739	-158739	-79370	-530708	-530708	SLU 52	3.343	Si
1232	16.08	1.1	0	11,12	-158456	-158456	-79228	-530708	-530708	SLU 52	3.349	Si
1261	16.08	1.1	0	11,12	-179220	-158174	-79087	-596523	-526470	SLU 52	3.328	Si
1290	22.11	2.1	0	11,12	-219816	-184658	-78836	-754745	-634029	SLU 51	3.434	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	24.13	2.3	0	1,2	2286239	-257980	-112163	-2.02	1.92	3302411	-372645	SLV 15	1.444				Si
-111	24.13	2.3	0	1,2	2105811	-233810	-112011	-2.02	1.92	3290152	-365308	SLV 15	1.562				Si
-81	24.13	1.1	0	2	1922286	-209223	-111857	-2.02	1.92	3259940	-354814	SLV 15	1.696				Si
-52	24.13	1.1	0	2	1738792	-184639	-111702	-2.02	1.92	3204566	-340287	SLV 15	1.843				Si
-22	24.13	1.1	0	2	1555341	-160059	-111548	-2.02	1.92	3117241	-320793	SLV 15	2.004				Si
7	24.13	1.1	0	2	1371947	-135485	-111394	-2.02	1.92	2987972	-295073	SLV 15	2.178				Si
36	24.13	1.1	0	2	1188634	-110920	-111239	-2.02	1.92	2808418	-262074	SLV 15	2.363				Si
66	24.13	1.1	0	2	-899395	94485	-119121	-2.02	1.92	-2271090	238588	SLV 1	2.525				Si
95	24.13	1.1	0	2	-757044	64682	-118967	-2.02	1.92	-2041585	174434	SLV 1	2.697				Si
125	24.13	1.1	0	2	-613625	34736	-118811	-2.02	1.92	-1775786	100524	SLV 1	2.894				Si
154	24.13	1.1	0	2	-473888	-2477	-118658	-2.02	1.92	-1477926	-7726	SLV 1	3.119				Si
184	24.13	1.1	0	2	-334978	-26693	-118503	-2.02	1.92	-1091524	-86978	SLV 1	3.258				Si
213	24.13	1.1	0	2	-207107	-55204	-118351	-2.02	1.92	-676822	-180407	SLV 1	3.268				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
242	24.13	1.1	0	2	-23833	-85396	-118195	-2.02	1.92	-77988	-279445	SLV 1	3.272				Si
272	24.13	1.1	0	2	122295	-115225	-118040	-2.02	1.92	400712	-377548	SLV 1	3.277				Si
301	24.13	1.1	0	2	-476189	110747	-109850	-2.02	1.92	-1463163	340287	SLV 15	3.073				Si
331	24.13	1.1	0	2	-657120	135317	-109695	-2.02	1.92	-1857276	382457	SLV 15	2.826				Si
360	24.13	1.1	0	2	-836226	159476	-109543	-2.02	1.92	-2187800	417233	SLV 15	2.616				Si
380	24.13	2.3	0	2,3,5,6	-189080	413114	-94346	-2.02	1.92	-550364	1202465	SLV 5	2.911				Si
409	24.13	2.3	0	2,3,5,6	-149345	333828	-94194	-2.02	1.92	-473867	1059223	SLV 5	3.173				Si
438	24.13	1.1	0	3,5,6	-112771	254575	-94042	-2.02	1.92	-390907	882455	SLV 5	3.466				Si
467	24.13	1.1	0	3,5,6	-84697	175400	-93889	-2.02	1.92	-322363	667585	SLV 5	3.806				Si
496	24.13	1.1	0	3,5,6	-47596	74058	-94225	-2.02	1.92	-195371	303991	SLV 1	4.105				Si
525	24.13	1.1	0	3,5,6	136301	6253	-94073	-2.02	1.92	560390	25709	SLV 1	4.111				Si
554	24.13	1.1	0	3,5,6	183409	-50617	-93920	-2.02	1.92	755293	-208446	SLV 1	4.118				Si
583	24.13	1.1	0	3,5,6	244813	-111513	-93768	-2.02	1.92	933414	-425173	SLV 1	3.813				Si
612	24.13	1.1	0	3,5,6	311607	-172821	-93616	-2.02	1.92	1089210	-604087	SLV 1	3.495				Si
641	24.39	1.5	0	3,4,5,6	225823	-301405	-92976	-2.02	1.92	727755	-971331	SLV 5	3.223				Si
670	31.44	1.9	0	3,4,5,6	267700	-380682	-92824	-2.02	1.92	838832	-1192859	SLV 5	3.133				Si
690	24.13	2.5	0	4,5,6,7,9,10	-396065	258829	-70583	-2.02	1.92	-1243318	812512	SLV 1	3.139				Si
719	21.83	2.5	0	4,5,6,7,9,10	-190527	267721	-70205	-2.02	1.92	-653650	918485	SLV 5	3.431				Si
748	20.11	1.1	0	7,9,10	-141022	199789	-70074	-2.02	1.92	-531925	753589	SLV 5	3.772				Si
777	20.11	1.1	0	7,9,10	-154699	102821	-70194	-2.02	1.92	-655652	435780	SLV 1	4.238				Si
806	20.11	1.1	0	7,9,10	-95248	50982	-70063	-2.02	1.92	-447631	239597	SLV 1	4.7				Si
835	20.11	1.1	0	7,9,10	87754	-4230	-69933	-2.02	1.92	413179	-19918	SLV 1	4.708				Si
864	20.11	1.1	0	7,9,10	143906	-55522	-69802	-2.02	1.92	658179	-253941	SLV 1	4.574				Si
893	20.11	1.1	0	7,9,10	-330255	86147	-65271	-2.02	1.92	-1333966	347966	SLV 15	4.039				Si
922	20.11	1.1	0	7,9,10	-454256	123871	-65141	-2.02	1.92	-1619578	441644	SLV 15	3.565				Si
951	20.37	1.6	0	7,8,9,10	-579911	161655	-65010	-2.02	1.92	-1823355	508275	SLV 15	3.144				Si
980	27.42	2	0	7,8,9,10	-704147	198811	-64882	-2.02	1.92	-2106065	594634	SLV 15	2.991				Si
1000	20.11	2.4	0	8,9,10,11,12	498288	-137529	-44386	-2.02	1.92	1519965	-419514	SLV 15	3.05				Si
1029	17.8	2.4	0	8,9,10,11,12	-118941	268378	-46736	-2.02	1.92	-423689	956006	SLV 5	3.562				Si
1058	16.08	1.1	0	11,12	-84726	194188	-46627	-2.02	1.92	-352515	807947	SLV 5	4.161				Si
1087	16.08	1.1	0	11,12	-51231	120051	-46519	-2.02	1.92	-253226	593395	SLV 5	4.943				Si
1116	16.08	1.1	0	11,12	-12765	46201	-46410	-2.02	1.92	-74749	270545	SLV 5	5.856				Si
1145	16.08	1.1	0	11,12	30593	-30147	-46301	-2.02	1.92	179567	-176953	SLV 5	5.87				Si
1174	16.08	1.1	0	11,12	102088	-86687	-46177	-2.02	1.92	513337	-435894	SLV 1	5.028				Si
1203	16.08	1.1	0	11,12	161848	-146075	-46068	-2.02	1.92	686678	-619757	SLV 1	4.243				Si
1232	16.08	1.1	0	11,12	222981	-205585	-45960	-2.02	1.92	796603	-734454	SLV 1	3.573				Si
1261	16.08	1.1	0	11,12	284571	-265129	-45851	-2.02	1.92	851816	-793620	SLV 1	2.993				Si
1290	22.11	2.1	0	11,12	345300	-323659	-45744	-2.02	1.92	937945	-879162	SLV 1	2.716				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	2.3	0	1,2	1016663	-87508	-114609	2540437	-218665	SLD 15	2.499	Si
-111	24.13	2.3	0	1,2	933428	-79596	-114457	2411403	-205627	SLD 15	2.583	Si
-81	24.13	1.1	0	2	848766	-71548	-114303	2269154	-191280	SLD 15	2.673	Si
-52	24.13	1.1	0	2	764124	-63500	-114148	2116684	-175901	SLD 15	2.77	Si
-22	24.13	1.1	0	2	679509	-55455	-113994	1952836	-159373	SLD 15	2.874	Si
7	24.13	1.1	0	2	594928	-47413	-113839	1776295	-141562	SLD 15	2.986	Si
36	24.13	1.1	0	2	510396	-39375	-113685	1585552	-122319	SLD 15	3.107	Si
66	24.13	1.1	0	2	425948	-31347	-113531	1378937	-101482	SLD 15	3.237	Si
95	24.13	1.1	0	2	-276185	26146	-116521	-916747	86787	SLD 1	3.319	Si
125	24.13	1.1	0	2	-232266	12778	-116365	-771999	42470	SLD 1	3.324	Si
154	24.13	1.1	0	2	-189737	-3439	-116212	-631473	-11445	SLD 1	3.328	Si
184	24.13	1.1	0	2	-148163	-14714	-116058	-493764	-49037	SLD 1	3.333	Si
213	24.13	1.1	0	2	-112486	-27441	-115905	-375359	-91570	SLD 1	3.337	Si
242	24.13	1.1	0	2	-46984	-40924	-115749	-156996	-136748	SLD 1	3.341	Si
272	24.13	1.1	0	2	545	-54248	-115594	1823	-181511	SLD 1	3.346	Si
301	24.13	1.1	0	2	40359	-67587	-115440	135218	-226444	SLD 1	3.35	Si
331	24.13	1.1	0	2	82929	-80933	-115286	278219	-271523	SLD 1	3.355	Si
360	24.13	1.1	0	2	-424939	49196	-111989	-1374099	159081	SLD 15	3.234	Si
380	24.13	2.3	0	2,3,5,6	-27503	193834	-92743	-105648	744591	SLD 5	3.841	Si
409	24.13	2.3	0	2,3,5,6	-24782	156930	-92590	-99506	630113	SLD 5	4.015	Si
438	24.13	1.1	0	3,5,6	-55144	97394	-92620	-230277	406708	SLD 1	4.176	Si
467	24.13	1.1	0	3,5,6	-51167	67504	-92467	-214018	282357	SLD 1	4.183	Si
496	24.13	1.1	0	3,5,6	-22652	37750	-92315	-94905	158160	SLD 1	4.19	Si
525	24.13	1.1	0	3,5,6	52404	5100	-92163	219920	21402	SLD 1	4.197	Si
554	24.13	1.1	0	3,5,6	56045	-23173	-92011	235589	-97409	SLD 1	4.204	Si
583	24.13	1.1	0	3,5,6	66095	-52813	-91858	278295	-222368	SLD 1	4.211	Si
612	24.13	1.1	0	3,5,6	78932	-82683	-91706	332894	-348718	SLD 1	4.218	Si
641	24.39	1.5	0	3,4,5,6	30846	-138871	-91372	127898	-575810	SLD 5	4.146	Si
670	31.44	1.9	0	3,4,5,6	34795	-175770	-91220	146312	-739111	SLD 5	4.205	Si
690	24.13	2.5	0	4,5,6,7,9,10	287478	-45400	-67513	1266219	-199968	SLD 15	4.405	Si
719	21.83	2.5	0	4,5,6,7,9,10	-32467	124786	-69036	-148345	570158	SLD 5	4.569	Si
748	20.11	1.1	0	7,9,10	-26391	93856	-68906	-125113	444949	SLD 5	4.741	Si
777	20.11	1.1	0	7,9,10	-47504	51518	-68864	-227140	246335	SLD 1	4.781	Si
806	20.11	1.1	0	7,9,10	-39431	26969	-68733	-188895	129196	SLD 1	4.791	Si
835	20.11	1.1	0	7,9,10	33365	450	-68603	160143	2159	SLD 1	4.8	Si
864	20.11	1.1	0	7,9,10	38943	-23831	-68472	187269	-114599	SLD 1	4.809	Si
893	20.11	1.1	0	7,9,10	54477	-48497	-68342	262470	-233659	SLD 1	4.818	Si
922	20.11	1.1	0	7,9,10	-224452	37338	-66471	-1025591	170608	SLD 15	4.569	Si
951	20.37	1.6	0	7,8,9,10	-286017	47632	-66340	-1235806	205807	SLD 15	4.321	Si
980	27.42	2	0	7,8,9,10	-346974	57764	-66212	-1522924	253535	SLD 15	4.389	Si
1000	20.11	2.4	0	8,9,10,11,12	86740	143821	-45887	416875	691211	SLD 9	4.806	Si
1029	17.8	2.4	0	8,9,10,11,12	68339	111093	-45778	348384	566336	SLD 9	5.098	Si
1058	16.08	1.1	0	11,12	49943	78371	-45669	273437	429080	SLD 9	5.475	Si
1087	16.08	1.1	0	11,12	1978	57442	-45783	11742	340973	SLD 5	5.936	Si
1116	16.08	1.1	0	11,12	3035	18312	-45675	18060	108960	SLD 5	5.95	Si
1145	16.08	1.1	0	11,12	7824	-22198	-45566	46668	-132396	SLD 5	5.964	Si
1174	16.08	1.1	0	11,12	3682	-60997	-45457	22012	-364672	SLD 5	5.979	Si
1203	16.08	1.1	0	11,12	-42228	-85430	-45125	-231709	-468761	SLD 9	5.487	Si
1232	16.08	1.1	0	11,12	-60613	-118145	-45017	-304875	-594254	SLD 9	5.03	Si
1261	16.08	1.1	0	11,12	-79008	-150869	-44908	-366661	-700156	SLD 9	4.641	Si
1290	22.11	2.1	0	11,12	-97091	-183034	-44801	-446200	-841172	SLD 9	4.596	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	6X/2Y Ø8/10	-187	-191039	SLU 51	17927	59506	60441	2.25	317.79	-2772	-177534	SLU 45	17432	57236	65483	2.5	20.65	Si

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-111	6X/2Y Ø8/10	-187	-190842	SLU 51	17927	59506	60509	2.25	317.79	-2772	-177337	SLU 45	17432	57236	65483	2.5	20.65	Si
-81	6X/2Y Ø8/10	-187	-190641	SLU 51	17927	59506	60579	2.25	317.79	-2772	-177136	SLU 45	17432	57236	65483	2.5	20.65	Si
-52	6X/2Y Ø8/10	-187	-190441	SLU 51	17927	59506	60649	2.25	317.79	-2772	-176935	SLU 45	17432	57236	65483	2.5	20.65	Si
-22	6X/2Y Ø8/15	-187	-190240	SLU 51	17927	44078	56414	2.5	235.4	-2772	-176735	SLU 45	17432	38157	65483	2.5	13.77	Si
7	6X/2Y Ø8/15	-187	-190039	SLU 51	17927	44078	56479	2.5	235.4	-2772	-176534	SLU 45	17432	38157	65483	2.5	13.77	Si
36	6X/2Y Ø8/15	-187	-189838	SLU 51	17927	44078	56544	2.5	235.4	-2772	-176333	SLU 45	17432	38157	65483	2.5	13.77	Si
66	6X/2Y Ø8/15	-187	-189638	SLU 51	17927	44078	56608	2.5	235.4	-2772	-176133	SLU 45	17432	38157	65483	2.5	13.77	Si
95	6X/2Y Ø8/15	-187	-189437	SLU 51	17927	44078	56673	2.5	235.4	-2772	-175932	SLU 45	17432	38157	65483	2.5	13.77	Si
125	6X/2Y Ø8/15	-187	-189234	SLU 51	17927	44078	56738	2.5	235.4	-2772	-175729	SLU 45	17432	38157	65483	2.5	13.77	Si
154	6X/2Y Ø8/15	-187	-189036	SLU 51	17927	44078	56802	2.5	235.4	-2772	-175530	SLU 45	17432	38157	65483	2.5	13.77	Si
184	6X/2Y Ø8/15	-187	-188835	SLU 51	17927	44078	56867	2.5	235.4	-2772	-175330	SLU 45	17432	38157	65483	2.5	13.77	Si
213	6X/2Y Ø8/15	-187	-188637	SLU 51	17927	44078	56930	2.5	235.4	-2772	-175132	SLU 45	17432	38157	65483	2.5	13.77	Si
242	6X/2Y Ø8/10	-187	-188433	SLU 51	17927	59506	61344	2.25	317.79	-2772	-174928	SLU 45	17432	57236	65483	2.5	20.65	Si
272	6X/2Y Ø8/10	-187	-188233	SLU 51	17927	59506	61414	2.25	317.79	-2772	-174727	SLU 45	17432	57236	65483	2.5	20.65	Si
301	6X/2Y Ø8/10	-187	-188032	SLU 51	17927	59506	61483	2.25	317.79	-2772	-174527	SLU 45	17432	57236	65483	2.5	20.65	Si
331	6X/2Y Ø8/10	-187	-187831	SLU 51	17927	59506	61553	2.25	317.79	-2772	-174326	SLU 45	17432	57236	65483	2.5	20.65	Si
360	6X/2Y Ø8/10	-187	-187634	SLU 51	17927	59506	61621	2.25	317.79	-2772	-174129	SLU 45	17432	57236	65483	2.5	20.65	Si
380	6X/2Y Ø8/10	-632	-152792	SLU 51	17927	60828	62389	2.3	96.26	-1141	-152792	SLU 51	17432	57236	65483	2.5	50.16	Si
409	6X/2Y Ø8/10	-632	-152595	SLU 51	17927	60828	62389	2.3	96.26	-1141	-152595	SLU 51	17432	57236	65483	2.5	50.16	Si
438	6X/2Y Ø8/10	-632	-152397	SLU 51	17927	60828	62389	2.3	96.26	-1141	-152397	SLU 51	17432	57236	65483	2.5	50.16	Si
467	6X/2Y Ø8/14.4	-632	-152199	SLU 51	17927	45774	58834	2.5	72.43	-1141	-152199	SLU 51	17432	39625	65483	2.5	34.73	Si
496	6X/2Y Ø8/14.4	-632	-152001	SLU 51	17927	45774	58834	2.5	72.43	-1141	-152001	SLU 51	17432	39625	65483	2.5	34.73	Si
525	6X/2Y Ø8/14.4	-632	-151803	SLU 51	17927	45774	58834	2.5	72.43	-1141	-151803	SLU 51	17432	39625	65483	2.5	34.73	Si
554	6X/2Y Ø8/14.4	-632	-151605	SLU 51	17927	45774	58834	2.5	72.43	-1141	-151605	SLU 51	17432	39625	65483	2.5	34.73	Si
583	6X/2Y Ø8/14.4	-632	-151407	SLU 51	17927	45774	58834	2.5	72.43	-1141	-151407	SLU 51	17432	39625	65483	2.5	34.73	Si
612	6X/2Y Ø8/10	-632	-151209	SLU 51	17927	60828	62389	2.3	96.26	-1141	-151209	SLU 51	17432	57236	65483	2.5	50.16	Si
641	6X/2Y Ø8/10	-632	-151011	SLU 51	17927	60828	62389	2.3	96.26	-1141	-151011	SLU 51	17432	57236	65483	2.5	50.16	Si
670	6X/2Y Ø8/10	-632	-150813	SLU 51	17927	60828	62389	2.3	96.26	-1141	-150813	SLU 51	17432	57236	65483	2.5	50.16	Si
690	5X/2Y Ø8/10	-473	-114008	SLU 49	15366	51792	52691	2.35	109.47	-1213	-116269	SLU 52	15029	48385	55356	2.5	39.9	Si
719	5X/2Y Ø8/10	-473	-113841	SLU 49	15366	51792	52691	2.35	109.47	-1213	-116102	SLU 52	15029	48385	55356	2.5	39.9	Si
748	5X/2Y Ø8/10	-473	-113671	SLU 49	15366	51792	52691	2.35	109.47	-1213	-115932	SLU 52	15029	48385	55356	2.5	39.9	Si
777	5X/2Y Ø8/14.4	-473	-113502	SLU 49	15366	38145	50429	2.5	80.63	-1213	-115763	SLU 52	15029	33497	55356	2.5	27.63	Si
806	5X/2Y Ø8/14.4	-473	-113332	SLU 49	15366	38145	50429	2.5	80.63	-1213	-115593	SLU 52	15029	33497	55356	2.5	27.63	Si
835	5X/2Y Ø8/14.4	-473	-113162	SLU 49	15366	38145	50429	2.5	80.63	-1213	-115423	SLU 52	15029	33497	55356	2.5	27.63	Si
864	5X/2Y Ø8/14.4	-473	-112993	SLU 49	15366	38145	50429	2.5	80.63	-1213	-115254	SLU 52	15029	33497	55356	2.5	27.63	Si
893	5X/2Y Ø8/14.4	-473	-112823	SLU 49	15366	38145	50429	2.5	80.63	-1213	-115084	SLU 52	15029	33497	55356	2.5	27.63	Si
922	5X/2Y Ø8/10	-473	-112654	SLU 49	15366	51792	52691	2.35	109.47	-1213	-114914	SLU 52	15029	48385	55356	2.5	39.9	Si
951	5X/2Y Ø8/10	-473	-112484	SLU 49	15366	51792	52691	2.35	109.47	-1213	-114745	SLU 52	15029	48385	55356	2.5	39.9	Si
980	5X/2Y Ø8/10	-473	-112317	SLU 49	15366	51792	52691	2.35	109.47	-1213	-114578	SLU 52	15029	48385	55356	2.5	39.9	Si
1000	4X/2Y Ø8/10	-1064	-80247	SLU 51	12805	42315	43268	2.4	39.77	-1400	-80247	SLU 51	12600	39534	45230	2.5	28.23	Si
1029	4X/2Y Ø8/10	-1064	-80106	SLU 51	12805	42315	43268	2.4	39.77	-1400	-80106	SLU 51	12600	39534	45230	2.5	28.23	Si
1058	4X/2Y Ø8/10	-1064	-79965	SLU 51	12805	42315	43268	2.4	39.77	-1400	-79965	SLU 51	12600	39534	45230	2.5	28.23	Si
1087	4X/2Y Ø8/14.4	-1064	-79823	SLU 51	12805	30516	42024	2.5	28.68	-1400	-79823	SLU 51	12600	27370	45230	2.5	19.54	Si
1116	4X/2Y Ø8/14.4	-1064	-79682	SLU 51	12805	30516	42024	2.5	28.68	-1400	-79682	SLU 51	12600	27370	45230	2.5	19.54	Si
1145	4X/2Y Ø8/14.4	-1064	-79540	SLU 51	12805	30516	42024	2.5	28.68	-1400	-79540	SLU 51	12600	27370	45230	2.5	19.54	Si
1174	4X/2Y Ø8/14.4	-1064	-79399	SLU 51	12805	30516	42024	2.5	28.68	-1400	-79399	SLU 51	12600	27370	45230	2.5	19.54	Si
1203	4X/2Y Ø8/14.4	-1064	-79258	SLU 51	12805	30516	42024	2.5	28.68	-1400	-79258	SLU 51	12600	27370	45230	2.5	19.54	Si
1232	4X/2Y Ø8/10	-1064	-79116	SLU 51	12805	42315	43268	2.4	39.77	-1400	-79116	SLU 51	12600	39534	45230	2.5	28.23	Si
1261	4X/2Y Ø8/10	-1064	-78975	SLU 51	12805	42315	43268	2.4	39.77	-1400	-78975	SLU 51	12600	39534	45230	2.5	28.23	Si
1290	4X/2Y Ø8/10	-1064	-78836	SLU 51	12805	42315	43268	2.4	39.77	-1400	-78836	SLU 51	12600	39534	45230	2.5	28.23	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	6X/2Y Ø8/10	-1327	-119517	SLV 5	17927	60828	62389	2.3	45.85	-6245	-112163	SLV 15	17432	57236	65483	2.5	9.17	Si
-111	6X/2Y Ø8/10	-1327	-119365	SLV 5	17927	60828	62389	2.3	45.85	-6245	-112011	SLV 15	17432	57236	65483	2.5	9.17	Si
-81	6X/2Y Ø8/10	-1327	-119211	SLV 5	17927	60828	62389	2.3	45.85	-6245	-111857	SLV 15	17432	57236	65483	2.5	9.17	Si
-52	6X/2Y Ø8/10	-1327	-119056	SLV 5	17927	60828	62389	2.3	45.85	-6245	-111702	SLV 15	17432	57236	65483	2.5	9.17	Si
-22	6X/2Y Ø8/15	-1327	-118902	SLV 5	17927	44078	58834	2.5	33.22	-6245	-111548	SLV 15	17432	38157	65483	2.5	6.11	Si
7	6X/2Y Ø8/15	-1327	-118748	SLV 5	17927	44078	58834	2.5	33.22	-6245	-111394	SLV 15	17432	38157	65483	2.5	6.11	Si
36	6X/2Y Ø8/15	-1327	-118593	SLV 5	17927	44078	58834	2.5	33.22	-6245	-111239	SLV 15	17432	38157	65483	2.5	6.11	Si
66	6X/2Y Ø8/15	-1327	-118439	SLV 5	17927	44078	58834	2.5	33.22	-6245	-111085	SLV 15	17432	38157	65483	2.5	6.11	Si
95	6X/2Y Ø8/15	-1327	-118284	SLV 5	17927	44078	58834	2.5	33.22	-6245	-110930	SLV 15	17432	38157	65483	2.5	6.11	Si
125	6X/2Y Ø8/15	-1327	-118128	SLV 5	17927	44078	58834	2.5	33.22	-6245	-110774	SLV 15	17432	38157	65483	2.5	6.11	Si
154	6X/2Y Ø8/15	-1327	-117976	SLV 5	17927	44078	58834	2.5	33.22	-6245	-110622	SLV 15	17432	38157	65483	2.5	6.11	Si
184	6X/2Y Ø8/15	-1327	-117821	SLV 5	17927	44078	58834	2.5	33.22	-6245	-110467	SLV 15	17432	38157	65483	2.5	6.11	Si
213	6X/2Y Ø8/15	-1327	-117669	SLV 5	17927	44078	58834	2.5	33.22	-6245	-110315	SLV 15	17432	38157	65483	2.5	6.11	Si
242	6X/2Y Ø8/10	-1327	-117512	SLV 5	17927	60828	62389	2.3	45.85	-6245	-110158	SLV 15	17432	57236	65483	2.5	9.17	Si
272	6X/2Y Ø8/10	-1327	-117358	SLV 5	17927	60828	62389	2.3	45.85	-6245	-110004	SLV 15	17432	57236	65483	2.5	9.17	Si
301	6X/2Y Ø8/10	-1327	-117204	SLV 5	17927	60828	62389	2.3	45.85	-6245	-109850	SLV 15	17432	57236	65483	2.5	9.17	Si
331	6X/2Y Ø8/10	-1327	-117049	SLV 5	17927	60828	62389	2.3	45.85	-6245	-109695	SLV 15	17432	57236	65483	2.5	9.17	Si
360	6X/2Y Ø8/10	-1327	-116897	SLV 5	17927	60828	62389	2.3	45.85	-6245	-109543	SLV 15	17432	57236	65483	2.5	9.17	Si
380	6X/2Y Ø8/10	-2736	-94346	SLV 5	17927	60828	62389	2.3	22.23	-3891	-88543	SLV 15	17432	57236	65079	2.5	14.71	Si
409	6X/2Y Ø8/10	-2736	-94194	SLV 5	17927	60828	62389	2.3	22.23	-3891	-88390	SLV 15	17432	57236	65057	2.5	14.71	Si
438	6X/2Y Ø8/10	-2736	-94042	SLV 5	17927	60828	62389	2.3	22.23	-3891	-88238	SLV 15	17432	57236	65035	2.5	14.71	Si
467	6X/2Y Ø8/14.4	-2736	-93889	SLV 5	17927	45774	58834	2.5	16.73	-3891	-88086	SLV 15	17432	39625	65013	2.5	10.18	Si
496	6X/2Y Ø8/14.4	-2736	-93737	SLV 5	17927	45774	58834	2.5	16.73	-3891	-87934	SLV 15	17432	39625	64991	2.5	10.18	Si
525	6X/2Y Ø8/14.4	-2736	-93585	SLV 5	17927	45774	58834	2.5	16.73	-3891	-87781	SLV 15	17432	39625	64969	2.5	10.18	Si
554	6X/2Y Ø8/14.4	-2736	-93433	SLV 5	17927	45774	58834	2.5	16.73	-3891	-87629	SLV 15	17432	39625	64948	2.5	10.18	Si
583	6X/2Y Ø8/14.4	-2736	-93280	SLV 5	17927	45774	58834	2.5	16.73	-3891	-87477	SLV 15	17432	39625	64926	2.5	10.18	Si
612	6X/2Y Ø8/10	-2736	-93128	SLV 5	17927	60828	62389	2.3	22.23	-3891	-87325	SLV 15	17432	57236	64904	2.5	14.71	Si
641	6X/2Y Ø8/10	-2736	-92976	SLV 5	17927	60828	62389	2.3	22.23	-3891	-87172	SLV 15	17432	57236	64882	2.5	14.71	Si
670	6X/2Y Ø8/10	-2736	-92824	SLV 5	17927	60828	62389	2.3	22.23	-3891	-87020	SLV 15	17432	57236	64860	2.5	14.71	Si
690	5X/2Y Ø8/10	-2346	-70333	SLV 5	15366	50690	52386	2.3	21.61	-4406	-66183	SLV 15	15029	48385	53642	2.5	10.98	Si
719	5X/2Y Ø8/10	-2346	-70205	SLV 5	15366	50690	52369	2.3	21.61	-4406	-66054	SLV 15	15029	48385	53624	2.5	10.98	Si
748	5X/2Y Ø8/10	-2346	-70074	SLV 5	15366	50690	52351	2.3	21.61	-4406	-65924	SLV 15	15029	48385	53605	2.5	10.98	Si
777	5X/2Y Ø8/14.4	-2346	-69944	SLV 5	15366	38145	49352	2.5	16.26	-4406	-65793	SLV 15	15029	33497	53587	2.5	7.6	Si
806	5X/2Y Ø8/14.4	-2346	-69813	SLV 5	15366	38145	49335	2.5	16.26	-4406	-65663	SLV 15	15029	33497	53568	2.5	7.6	Si
835	5X/2Y Ø8/14.4	-2346	-69683	SLV 5	15366	38145	49318	2.5	16.26	-4406	-65532	SLV 15	15029	33497	53550	2.5	7.6	Si
864	5X/2Y Ø8/14.4	-2346	-69552	SLV 5	15366	38145	49301	2.5	16.26	-4406	-65402	SLV 15	15029	33497	53531	2.5	7.6	Si
893	5X/2Y Ø8/14.4	-2346	-69422	SLV 5	15366	38145	49284	2.5	16.26	-4406	-65271	SLV 15	15029	33497	53513	2.5	7.6	Si
922	5X/2Y Ø8/10	-2346	-69291	SLV 5	15366	50690	52244	2.3	21.61	-4406	-65141	SLV 15	15029	48385	53495	2.5	10.98	Si
951	5X/2Y Ø8/10	-2346	-69161	SLV 5	15366	50690	52226	2.3	21.61	-4406	-65010	SLV 15	15029	48385	53476	2.5	10.98	Si
980	5X/2Y Ø8/10	-2346	-69032	SLV 5	15366	50690	52209	2.3	21.61	-4406	-64882	SLV 15	15029	48385	53458	2.5	10.98	Si
1000	4X/2Y Ø8/10	-2560	-46845	SLV 5	12138	40552	42048	2.3	15.84	-3773	-44386	SLV 15	11552	39534	42337	2.5	10.48	Si
1029	4X/2Y Ø8/10	-2560	-46736	SLV 5	12124	40552	42033	2.3	15.84	-3773	-44277	SLV 15	11538	39534	42322	2.5	10.48	Si
1058	4X/2Y Ø8/10	-2560	-46627	SLV 5	12110	40552	42019	2.3	15.84	-3773	-44169	SLV 15	11523	39534	42307	2.5	10.48	Si
1087	4X/2Y Ø8/14.4	-2560	-46519	SLV 5	12097	30516	39611	2.5	11.92	-3773	-44060	SLV 15	11509	27370	42292	2.5	7.25	Si
1116	4X/2Y Ø8/14.4	-2560	-46410	SLV 5	12083	30516	39597	2.5	11.92	-3773	-43951	SLV 15	11494	27370	42276	2.5	7.25	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1145	4X/2Y Ø8/14.4	-2560	-46301	SLV 5	12070	30516	39583	2.5	11.92	-3773	-43842	SLV 15	11479	27370	42261	2.5	7.25	Si
1174	4X/2Y Ø8/14.4	-2560	-46192	SLV 5	12056	30516	39569	2.5	11.92	-3773	-43734	SLV 15	11465	27370	42246	2.5	7.25	Si
1203	4X/2Y Ø8/14.4	-2560	-46084	SLV 5	12043	30516	39555	2.5	11.92	-3773	-43625	SLV 15	11450	27370	42231	2.5	7.25	Si
1232	4X/2Y Ø8/10	-2560	-45975	SLV 5	12029	40552	41930	2.3	15.84	-3773	-43516	SLV 15	11436	39534	42216	2.5	10.48	Si
1261	4X/2Y Ø8/10	-2560	-45866	SLV 5	12016	40552	41915	2.3	15.84	-3773	-43407	SLV 15	11421	39534	42201	2.5	10.48	Si
1290	4X/2Y Ø8/10	-2560	-45759	SLV 5	12002	40552	41900	2.3	15.84	-3773	-43300	SLV 15	11407	39534	42186	2.5	10.48	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	6X/2Y Ø8/10	-576	-117494	SLD 5	22477	66118	58834	2.5	102.09	-2882	-114609	SLD 15	22496	57236	65483	2.5	19.86	Si
-111	6X/2Y Ø8/10	-576	-117342	SLD 5	22477	66118	58834	2.5	102.09	-2882	-114457	SLD 15	22496	57236	65483	2.5	19.86	Si
-81	6X/2Y Ø8/10	-576	-117187	SLD 5	22477	66118	58834	2.5	102.09	-2882	-114303	SLD 15	22496	57236	65483	2.5	19.86	Si
-52	6X/2Y Ø8/10	-576	-117033	SLD 5	22477	66118	58834	2.5	102.09	-2882	-114148	SLD 15	22496	57236	65483	2.5	19.86	Si
-22	6X/2Y Ø8/15	-576	-116879	SLD 5	22477	44078	58834	2.5	76.48	-2882	-113994	SLD 15	22496	38157	65483	2.5	13.24	Si
7	6X/2Y Ø8/15	-576	-116724	SLD 5	22477	44078	58834	2.5	76.48	-2882	-113839	SLD 15	22496	38157	65483	2.5	13.24	Si
36	6X/2Y Ø8/15	-576	-116570	SLD 5	22477	44078	58834	2.5	76.48	-2882	-113685	SLD 15	22496	38157	65483	2.5	13.24	Si
66	6X/2Y Ø8/15	-576	-116415	SLD 5	22477	44078	58834	2.5	76.48	-2882	-113531	SLD 15	22496	38157	65483	2.5	13.24	Si
95	6X/2Y Ø8/15	-576	-116261	SLD 5	22477	44078	58834	2.5	76.48	-2882	-113376	SLD 15	22496	38157	65483	2.5	13.24	Si
125	6X/2Y Ø8/15	-576	-116105	SLD 5	22477	44078	58834	2.5	76.48	-2882	-113220	SLD 15	22496	38157	65483	2.5	13.24	Si
154	6X/2Y Ø8/15	-576	-115952	SLD 5	22477	44078	58834	2.5	76.48	-2882	-113067	SLD 15	22496	38157	65483	2.5	13.24	Si
184	6X/2Y Ø8/15	-576	-115798	SLD 5	22477	44078	58834	2.5	76.48	-2882	-112913	SLD 15	22496	38157	65483	2.5	13.24	Si
213	6X/2Y Ø8/15	-576	-115646	SLD 5	22477	44078	58834	2.5	76.48	-2882	-112761	SLD 15	22496	38157	65483	2.5	13.24	Si
242	6X/2Y Ø8/10	-576	-115489	SLD 5	22477	66118	58834	2.5	102.09	-2882	-112604	SLD 15	22496	57236	65483	2.5	19.86	Si
272	6X/2Y Ø8/10	-576	-115335	SLD 5	22477	66118	58834	2.5	102.09	-2882	-112450	SLD 15	22496	57236	65483	2.5	19.86	Si
301	6X/2Y Ø8/10	-576	-115180	SLD 5	22477	66118	58834	2.5	102.09	-2882	-112295	SLD 15	22496	57236	65483	2.5	19.86	Si
331	6X/2Y Ø8/10	-576	-115026	SLD 5	22477	66118	58834	2.5	102.09	-2882	-112141	SLD 15	22496	57236	65483	2.5	19.86	Si
360	6X/2Y Ø8/10	-576	-114874	SLD 5	22477	66118	58834	2.5	102.09	-2882	-111989	SLD 15	22496	57236	65483	2.5	19.86	Si
380	6X/2Y Ø8/10	-1274	-92743	SLD 5	20374	66118	58834	2.5	46.2	-1936	-90452	SLD 15	19838	57236	65352	2.5	29.56	Si
409	6X/2Y Ø8/10	-1274	-92590	SLD 5	20355	66118	58834	2.5	46.2	-1936	-90300	SLD 15	19817	57236	65331	2.5	29.56	Si
438	6X/2Y Ø8/10	-1274	-92438	SLD 5	20336	66118	58834	2.5	46.2	-1936	-90148	SLD 15	19796	57236	65309	2.5	29.56	Si
467	6X/2Y Ø8/14.4	-1274	-92286	SLD 5	20317	45774	58834	2.5	35.94	-1936	-89996	SLD 15	19775	39625	65287	2.5	20.46	Si
496	6X/2Y Ø8/14.4	-1274	-92134	SLD 5	20298	45774	58834	2.5	35.94	-1936	-89843	SLD 15	19754	39625	65265	2.5	20.46	Si
525	6X/2Y Ø8/14.4	-1274	-91981	SLD 5	20279	45774	58834	2.5	35.94	-1936	-89691	SLD 15	19733	39625	65243	2.5	20.46	Si
554	6X/2Y Ø8/14.4	-1274	-91829	SLD 5	20260	45774	58834	2.5	35.94	-1936	-89539	SLD 15	19712	39625	65221	2.5	20.46	Si
583	6X/2Y Ø8/14.4	-1274	-91677	SLD 5	20241	45774	58834	2.5	35.94	-1936	-89387	SLD 15	19690	39625	65200	2.5	20.46	Si
612	6X/2Y Ø8/10	-1274	-91525	SLD 5	20222	66118	58834	2.5	46.2	-1936	-89234	SLD 15	19669	57236	65178	2.5	29.56	Si
641	6X/2Y Ø8/10	-1274	-91372	SLD 5	20203	66118	58834	2.5	46.2	-1936	-89082	SLD 15	19648	57236	65156	2.5	29.56	Si
670	6X/2Y Ø8/10	-1274	-91220	SLD 5	20184	66118	58816	2.5	46.18	-1936	-88930	SLD 15	19627	57236	65134	2.5	29.56	Si
690	5X/2Y Ø8/10	-1069	-69164	SLD 5	16177	55098	49251	2.5	46.09	-2167	-67513	SLD 15	15694	48385	53830	2.5	22.33	Si
719	5X/2Y Ø8/10	-1069	-69036	SLD 5	16161	55098	49235	2.5	46.07	-2167	-67384	SLD 15	15676	48385	53812	2.5	22.33	Si
748	5X/2Y Ø8/10	-1069	-68906	SLD 5	16145	55098	49218	2.5	46.06	-2167	-67254	SLD 15	15658	48385	53793	2.5	22.33	Si
777	5X/2Y Ø8/14.4	-1069	-68775	SLD 5	16129	38145	49201	2.5	35.69	-2167	-67123	SLD 15	15640	33497	53775	2.5	15.46	Si
806	5X/2Y Ø8/14.4	-1069	-68645	SLD 5	16113	38145	49184	2.5	35.69	-2167	-66993	SLD 15	15623	33497	53756	2.5	15.46	Si
835	5X/2Y Ø8/14.4	-1069	-68514	SLD 5	16096	38145	49168	2.5	35.69	-2167	-66862	SLD 15	15605	33497	53738	2.5	15.46	Si
864	5X/2Y Ø8/14.4	-1069	-68384	SLD 5	16080	38145	49151	2.5	35.69	-2167	-66732	SLD 15	15587	33497	53719	2.5	15.46	Si
893	5X/2Y Ø8/14.4	-1069	-68253	SLD 5	16064	38145	49134	2.5	35.69	-2167	-66601	SLD 15	15569	33497	53701	2.5	15.46	Si
922	5X/2Y Ø8/10	-1069	-68123	SLD 5	16048	55098	49117	2.5	45.96	-2167	-66471	SLD 15	15551	48385	53683	2.5	22.33	Si
951	5X/2Y Ø8/10	-1069	-67992	SLD 5	16031	55098	49100	2.5	45.95	-2167	-66340	SLD 15	15533	48385	53664	2.5	22.33	Si
980	5X/2Y Ø8/10	-1069	-67864	SLD 5	16016	55098	49084	2.5	45.93	-2167	-66212	SLD 15	15516	48385	53646	2.5	22.33	Si
1000	4X/2Y Ø8/10	-1357	-46110	SLD 5	12046	44078	39558	2.5	29.16	-1981	-45119	SLD 15	11650	39534	42438	2.5	19.96	Si
1029	4X/2Y Ø8/10	-1357	-46001	SLD 5	12032	44078	39544	2.5	29.14	-1981	-45010	SLD 15	11636	39534	42423	2.5	19.96	Si
1058	4X/2Y Ø8/10	-1357	-45892	SLD 5	12019	44078	39530	2.5	29.13	-1981	-44902	SLD 15	11621	39534	42408	2.5	19.96	Si
1087	4X/2Y Ø8/14.4	-1357	-45783	SLD 5	12005	30516	39516	2.5	22.49	-1981	-44793	SLD 15	11607	27370	42393	2.5	13.82	Si
1116	4X/2Y Ø8/14.4	-1357	-45675	SLD 5	11992	30516	39502	2.5	22.49	-1981	-44684	SLD 15	11592	27370	42378	2.5	13.82	Si
1145	4X/2Y Ø8/14.4	-1357	-45566	SLD 5	11978	30516	39488	2.5	22.49	-1981	-44575	SLD 15	11578	27370	42363	2.5	13.82	Si
1174	4X/2Y Ø8/14.4	-1357	-45457	SLD 5	11965	30516	39474	2.5	22.49	-1981	-44467	SLD 15	11563	27370	42348	2.5	13.82	Si
1203	4X/2Y Ø8/14.4	-1357	-45348	SLD 5	11951	30516	39460	2.5	22.49	-1981	-44358	SLD 15	11548	27370	42333	2.5	13.82	Si
1232	4X/2Y Ø8/10	-1357	-45240	SLD 5	11938	44078	39446	2.5	29.07	-1981	-44249	SLD 15	11534	39534	42318	2.5	19.96	Si
1261	4X/2Y Ø8/10	-1357	-45131	SLD 5	11924	44078	39432	2.5	29.06	-1981	-44140	SLD 15	11519	39534	42303	2.5	19.96	Si
1290	4X/2Y Ø8/10	-1357	-45024	SLD 5	11911	44078	39418	2.5	29.05	-1981	-44033	SLD 15	11505	39534	42288	2.5	19.96	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	522148	25611	-128063	SLE RA 7	-72.1	406655	31912	-135828	SLE RA 13	-1030.9	Si
-111	364920	28145	-135676	SLE RA 13	-70	364920	28145	-135676	SLE RA 13	-1008.8	Si
-81	322463	24313	-135522	SLE RA 13	-68.1	322463	24313	-135522	SLE RA 13	-986.2	Si
-52	280005	20481	-135368	SLE RA 13	-66.3	280005	20481	-135368	SLE RA 13	-963.7	Si
-22	237548	16649	-135213	SLE RA 13	-64.5	237548	16649	-135213	SLE RA 13	-941.1	Si
7	195091	12817	-135059	SLE RA 13	-62.6	195091	12817	-135059	SLE RA 13	-918.6	Si
36	152634	8985	-134904	SLE RA 13	-60.8	152634	8985	-134904	SLE RA 13	-896	Si
66	110177	5153	-134750	SLE RA 13	-59	110177	5153	-134750	SLE RA 13	-873.5	Si
95	67719	1321	-134596	SLE RA 13	-57.1	67719	1321	-134596	SLE RA 13	-850.9	Si
125	24838	-2549	-134440	SLE RA 13	-55.7	24838	-2549	-134440	SLE RA 13	-832	Si
154	-17195	-6343	-134287	SLE RA 13	-55.6	-17195	-6343	-134287	SLE RA 13	-830.5	Si
184	-59652	-10175	-134132	SLE RA 13	-57.3	-59652	-10175	-134132	SLE RA 13	-851.2	Si
213	-101472	-13949	-133980	SLE RA 13	-59	-101472	-13949	-133980	SLE RA 13	-871.6	Si
242	-144567	-17839	-133823	SLE RA 13	-60.8	-144567	-17839	-133823	SLE RA 13	-892.6	Si
272	-187024	-21671	-133669	SLE RA 13	-62.5	-187024	-21671	-133669	SLE RA 13	-913.2	Si
301	-229481	-25503	-133515	SLE RA 13	-64.2	-229481	-25503	-133515	SLE RA 13	-933.9	Si
331	-271938	-29335	-133360	SLE RA 13	-65.9	-271938	-29335	-133360	SLE RA 13	-954.6	Si
360	-313674	-33102	-133208	SLE RA 13	-67.6	-313674	-33102	-133208	SLE RA 13	-974.9	Si
380	95753	71570	-108399	SLE RA 12	-52.9	95753	71570	-108399	SLE RA 12	-756.6	Si
409	72611	58454	-108247	SLE RA 12	-51	72611	58454	-108247	SLE RA 12	-735.6	Si
438	49469	45339	-108095	SLE RA 12	-49.2	49469	45339	-108095	SLE RA 12	-714.6	Si
467	-49114	27100	-108078	SLE RA 13	-47.7	-49114	27100	-108078	SLE RA 13	-700.6	Si
496	-61385	16102	-107926	SLE RA 13	-47.2	-61385	16102	-107926	SLE RA 13	-696.8	Si
525	-73657	5103	-107773	SLE RA 13	-46.7	-73657	5103	-107773	SLE RA 13	-693	Si
554	-85929	-5895	-107621	SLE RA 13	-47.2	-85929	-5895	-107621	SLE RA 13	-698	Si
583	-98201	-16894	-107469	SLE RA 13	-48.4	-98201	-16894	-107469	SLE RA 13	-710.8	Si
612	-110473	-27892	-107317	SLE RA 13	-49.6	-110473	-27892	-107317	SLE RA 13	-723.6	Si
641	-112524	-46470	-107029	SLE RA 12	-50.9	-112524	-46470	-107029	SLE RA 12	-735.5	Si
670	-135666	-59586	-106877	SLE RA 12	-50.3	-135666	-59586	-106877	SLE RA 12	-722.6	Si
690	106003	53609	-82247	SLE RA 12	-47.7	106003	53609	-82247	SLE RA 12	-677.2	Si
719	82421	43964	-82119	SLE RA 12	-46.4	85082	41728	-82231	SLE RA 13	-665.4	Si
748	60762	32710	-82101	SLE RA 13	-44.9	60762	32710	-82101	SLE RA 13	-650.4	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
777	36443	23692	-81970	SLE RA 13	-42.9	36443	23692	-81970	SLE RA 13	-627.3	Si
806	12123	14674	-81840	SLE RA 13	-40.9	12123	14674	-81840	SLE RA 13	-604.2	Si
835	-12196	5655	-81709	SLE RA 13	-40	-12196	5655	-81709	SLE RA 13	-595.3	Si
864	-37561	-5106	-81466	SLE RA 12	-41	-37561	-5106	-81466	SLE RA 12	-607.9	Si
893	-61557	-14920	-81336	SLE RA 12	-43	-61557	-14920	-81336	SLE RA 12	-629.7	Si
922	-85553	-24734	-81205	SLE RA 12	-45	-85553	-24734	-81205	SLE RA 12	-651.4	Si
951	-109550	-34548	-81075	SLE RA 12	-46.8	-109550	-34548	-81075	SLE RA 12	-671.9	Si
980	-133132	-44193	-80946	SLE RA 12	-46.2	-133132	-44193	-80946	SLE RA 12	-658.7	Si
1000	128682	87854	-56709	SLE RA 12	-49.4	128682	87854	-56709	SLE RA 12	-664.2	Si
1029	100550	65899	-56600	SLE RA 12	-46	100550	65899	-56600	SLE RA 12	-630.2	Si
1058	72418	43944	-56491	SLE RA 12	-42.3	72418	43944	-56491	SLE RA 12	-592.2	Si
1087	44286	21989	-56382	SLE RA 12	-37.8	44286	21989	-56382	SLE RA 12	-545	Si
1116	15479	-297	-56348	SLE RA 13	-33.5	15479	-297	-56348	SLE RA 13	-498.2	Si
1145	-12427	-21808	-56239	SLE RA 13	-35.6	-12427	-21808	-56239	SLE RA 13	-517.8	Si
1174	-40111	-43877	-56056	SLE RA 12	-39.8	-40334	-43320	-56131	SLE RA 13	-562.5	Si
1203	-68243	-65832	-55947	SLE RA 12	-44.1	-68243	-65832	-55947	SLE RA 12	-607.5	Si
1232	-96375	-87787	-55839	SLE RA 12	-48.4	-96375	-87787	-55839	SLE RA 12	-652.8	Si
1261	-124507	-109742	-55730	SLE RA 12	-52.7	-124507	-109742	-55730	SLE RA 12	-698.1	Si
1290	-152154	-131318	-55623	SLE RA 12	-53.9	-152154	-131318	-55623	SLE RA 12	-704	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	194862	22581	-116181	SLE QP 2	-55.7	Si
-111	174897	19973	-116029	SLE QP 2	-54.8	Si
-81	154586	17320	-115875	SLE QP 2	-53.8	Si
-52	134275	14667	-115721	SLE QP 2	-52.8	Si
-22	113964	12014	-115566	SLE QP 2	-51.8	Si
7	93653	9361	-115412	SLE QP 2	-50.9	Si
36	73342	6708	-115257	SLE QP 2	-49.9	Si
66	53031	4055	-115103	SLE QP 2	-48.9	Si
95	32720	1402	-114949	SLE QP 2	-47.9	Si
125	12206	-1278	-114793	SLE QP 2	-47.2	Si
154	-7902	-3904	-114640	SLE QP 2	-47.1	Si
184	-28213	-6557	-114485	SLE QP 2	-48	Si
213	-48219	-9171	-114333	SLE QP 2	-48.8	Si
242	-68835	-11863	-114176	SLE QP 2	-49.7	Si
272	-89146	-14516	-114022	SLE QP 2	-50.5	Si
301	-109456	-17169	-113868	SLE QP 2	-51.4	Si
331	-129767	-19822	-113713	SLE QP 2	-52.2	Si
360	-149733	-22430	-113561	SLE QP 2	-53.1	Si
380	80103	53647	-91688	SLE QP 2	-44.2	Si
409	60303	43848	-91536	SLE QP 2	-42.7	Si
438	40503	34049	-91384	SLE QP 2	-41.2	Si
467	20702	24251	-91231	SLE QP 2	-39.7	Si
496	902	14452	-91079	SLE QP 2	-38.2	Si
525	-18898	4653	-90927	SLE QP 2	-38	Si
554	-38699	-5145	-90775	SLE QP 2	-38.6	Si
583	-58499	-14944	-90622	SLE QP 2	-40	Si
612	-78299	-24743	-90470	SLE QP 2	-41.4	Si
641	-98099	-34541	-90318	SLE QP 2	-42.7	Si
670	-117900	-44340	-90166	SLE QP 2	-42.1	Si
690	93216	40084	-68383	SLE QP 2	-39.5	Si
719	72398	32935	-68255	SLE QP 2	-38.5	Si
748	51215	25661	-68124	SLE QP 2	-37.2	Si
777	30033	18387	-67994	SLE QP 2	-35.5	Si
806	8850	11113	-67863	SLE QP 2	-33.7	Si
835	-12333	3839	-67733	SLE QP 2	-33.2	Si
864	-33516	-3435	-67602	SLE QP 2	-34.1	Si
893	-54698	-10709	-67472	SLE QP 2	-35.7	Si
922	-75881	-17983	-67341	SLE QP 2	-37.3	Si
951	-97064	-25257	-67211	SLE QP 2	-38.8	Si
980	-117881	-32405	-67082	SLE QP 2	-38.3	Si
1000	109758	66893	-45608	SLE QP 2	-39.8	Si
1029	86129	50103	-45499	SLE QP 2	-37	Si
1058	62500	33313	-45390	SLE QP 2	-34	Si
1087	38871	16523	-45282	SLE QP 2	-30.5	Si
1116	15243	-267	-45173	SLE QP 2	-27	Si
1145	-8386	-17057	-45064	SLE QP 2	-28.3	Si
1174	-32015	-33847	-44955	SLE QP 2	-31.8	Si
1203	-55643	-50637	-44847	SLE QP 2	-35.2	Si
1232	-79272	-67427	-44738	SLE QP 2	-38.6	Si
1261	-102901	-84217	-44629	SLE QP 2	-42	Si
1290	-126122	-100717	-44522	SLE QP 2	-43	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

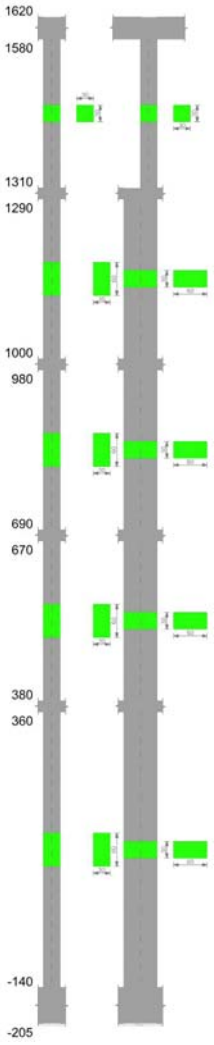
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.

Pilastro 17

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60	No	No	No	No		C30/37	B450C	
380	670	R 30x60	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x60	No	No	No	No		C30/37	B450C	
1310	1580	R 30x30 1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.5	-9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.7	9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.7	-9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.8	-9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.8	-9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.8	9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.8	9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.7	-9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.7	9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.9	-9.67	5.33	1.6	2.011	1310	1620	R 30x30_1	B450C
p.9	9.67	5.33	1.6	2.011	1310	1620	R 30x30_1	B450C
p.9	9.67	24.67	1.6	2.011	1310	1620	R 30x30_1	B450C
p.9	-9.67	24.67	1.6	2.011	1310	1620	R 30x30_1	B450C
p.10	-9.9	15	1.6	2.011	1310	1620	R 30x30_1	B450C
p.11	9.9	15	1.6	2.011	1310	1620	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	337887	-337887	-124567	818158	-818158	SLU 52	2.421	Si
-111	20.11	2.2	0	1,2	337428	-337428	-124397	818158	-818158	SLU 52	2.425	Si
-81	20.11	1.1	0	2	336961	-336961	-124225	818158	-818158	SLU 52	2.428	Si
-52	20.11	1.1	0	2	336494	-336494	-124053	818158	-818158	SLU 52	2.431	Si
-22	20.11	1.1	0	2	336028	-336028	-123881	818158	-818158	SLU 52	2.435	Si
7	20.11	1.1	0	2	335561	-335561	-123709	818158	-818158	SLU 52	2.438	Si
36	20.11	1.1	0	2	335094	-335094	-123537	818158	-818158	SLU 52	2.442	Si
66	20.11	1.1	0	2	334628	-334628	-123365	818158	-818158	SLU 52	2.445	Si
95	20.11	1.1	0	2	334161	-334161	-123193	818158	-818158	SLU 52	2.448	Si
125	20.11	1.1	0	2	333690	-333690	-123019	818158	-818158	SLU 52	2.452	Si
154	20.11	1.1	0	2	333228	333228	-122849	818158	818158	SLU 52	2.455	Si
184	20.11	1.1	0	2	332761	332761	-122677	818158	818158	SLU 52	2.459	Si
213	20.11	1.1	0	2	332301	332301	-122507	818158	818158	SLU 52	2.462	Si
242	20.11	1.1	0	2	331827	331827	-122333	818158	818158	SLU 52	2.466	Si
272	20.11	1.1	0	2	-331361	331361	-122161	-818158	818158	SLU 52	2.469	Si
301	20.11	1.1	0	2	-330894	330894	-121989	-818158	818158	SLU 52	2.473	Si
331	20.11	1.1	0	2	-330427	330427	-121816	-818158	818158	SLU 52	2.476	Si
360	20.11	1.1	0	2	-329968	329968	-121647	-818158	818158	SLU 52	2.48	Si
380	20.11	2.2	0	2,3	-197065	197065	-98533	-647491	647491	SLU 52	3.286	Si
409	20.11	2.2	0	2,3	-196726	196726	-98363	-647491	647491	SLU 52	3.291	Si
438	20.11	1.1	0	3	-196387	196387	-98193	-647491	647491	SLU 52	3.297	Si
467	20.11	1.1	0	3	-196047	196047	-98024	-647491	647491	SLU 52	3.303	Si
496	20.11	1.1	0	3	195708	195708	-97854	647491	647491	SLU 52	3.308	Si
525	20.11	1.1	0	3	195369	195369	-97684	647491	647491	SLU 52	3.314	Si
554	20.11	1.1	0	3	195029	-195029	-97515	647491	-647491	SLU 52	3.32	Si
583	20.11	1.1	0	3	194690	-194690	-97345	647491	-647491	SLU 52	3.326	Si
612	20.11	1.1	0	3	194351	-194351	-97175	647491	-647491	SLU 52	3.332	Si
641	20.11	1.1	0	3	194012	-194012	-97006	647491	-647491	SLU 52	3.337	Si
670	20.11	1.1	0	3	193672	-193672	-96836	647491	-647491	SLU 52	3.343	Si
690	20.11	2.2	0	3,4	-139389	139389	-69694	-647491	647491	SLU 52	4.645	Si
719	20.11	2.2	0	3,4	-139055	139055	-69528	-647491	647491	SLU 52	4.656	Si
748	20.11	1.1	0	4	-138716	138716	-69358	-647491	647491	SLU 52	4.668	Si
777	20.11	1.1	0	4	-138377	138377	-69188	-647491	647491	SLU 52	4.679	Si
806	20.11	1.1	0	4	138037	138037	-69019	647491	647491	SLU 52	4.691	Si
835	20.11	1.1	0	4	137698	137698	-68849	647491	647491	SLU 52	4.702	Si
864	20.11	1.1	0	4	137359	-137359	-68679	647491	-647491	SLU 52	4.714	Si
893	20.11	1.1	0	4	137019	-137019	-68510	647491	-647491	SLU 52	4.726	Si
922	20.11	1.1	0	4	136680	-136680	-68340	647491	-647491	SLU 52	4.737	Si
951	20.11	1.1	0	4	136341	-136341	-68170	647491	-647491	SLU 52	4.749	Si
980	20.11	1.1	0	4	136007	-136007	-68004	647491	-647491	SLU 52	4.761	Si
1000	20.11	2.2	0	4,5,7,8	-83021	83021	-41511	-647491	647491	SLU 52	7.799	Si
1029	20.11	2.2	0	4,5,7,8	-82682	82682	-41341	-647491	647491	SLU 52	7.831	Si
1058	20.11	1.1	0	5,7,8	-82343	82343	-41171	-647491	647491	SLU 52	7.863	Si
1087	20.11	1.1	0	5,7,8	-82004	82004	-41002	-647491	647491	SLU 52	7.896	Si
1116	20.11	1.1	0	5,7,8	-81664	81664	-40832	-647491	647491	SLU 52	7.929	Si
1145	20.11	1.1	0	5,7,8	-81325	-81325	-40662	-647491	-647491	SLU 52	7.962	Si
1174	20.11	1.1	0	5,7,8	-80986	-80986	-40493	-647491	-647491	SLU 52	7.995	Si
1203	20.11	1.1	0	5,7,8	-80646	-80646	-40323	-647491	-647491	SLU 52	8.029	Si
1232	20.11	1.1	0	5,7,8	-80307	-80307	-40154	-647491	-647491	SLU 52	8.063	Si
1261	20.5	1.8	0	5,6,7,8	-79968	-79968	-39984	-650454	-650454	SLU 52	8.134	Si
1290	31.04	2.5	0	5,6,7,8	-79634	-79634	-39817	-719948	-719948	SLU 52	9.041	Si
1310	20.11	3.6	0	6,7,9,10,11	97364	33735	-12987	900510	312010	SLU 47	9.249	Si
1340	15.34	3.6	0	6,7,9,10,11	65781	27575	-12899	680822	285397	SLU 47	10.35	Si
1370	12.06	1.3	0	9,10,11	34199	25623	-12812	403023	301964	SLU 47	11.785	Si
1400	12.06	1.3	0	9,10,11	25688	25688	-12844	316346	316346	SLU 48	12.315	Si
1430	12.06	1.3	0	9,10,11	-30504	25512	-12756	-368377	308096	SLU 48	12.076	Si
1460	12.06	1.3	0	9,10,11	-61064	25337	-12668	-616878	255956	SLU 48	10.102	Si
1490	12.06	1.3	0	9,10,11	-91624	-25161	-12581	-767256	-210700	SLU 48	8.374	Si
1520	12.06	1.3	0	9,10,11	-123715	-24746	-12373	-862264	-172474	SLU 47	6.97	Si
1550	12.06	1.3	0	9,10,11	-158905	-22660	-11330	-939218	-133932	SLU 51	5.911	Si
1580	14.29	2.2	0	9,10,11	-190530	-27022	-11244	-1012123	-143545	SLU 51	5.312	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene

eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	1137759	240796	-71254	-2.02	1.92	2203741	466400	SLV 5	1.937				Si
-111	20.11	2.2	0	1,2	1046985	218223	-71124	-2.02	1.92	2197526	458029	SLV 5	2.099				Si
-81	20.11	1.1	0	2	954653	195280	-70992	-2.02	1.92	2178804	445689	SLV 5	2.282				Si
-52	20.11	1.1	0	2	862335	172369	-70860	-2.02	1.92	2143149	428386	SLV 5	2.485				Si
-22	20.11	1.1	0	2	770041	149506	-70727	-2.02	1.92	2083964	404607	SLV 5	2.706				Si
7	20.11	1.1	0	2	515467	186422	-78132	-2.02	1.92	1502130	543255	SLV 1	2.914				Si
36	20.11	1.1	0	2	445551	153530	-78000	-2.02	1.92	1394605	480559	SLV 1	3.13				Si
66	20.11	1.1	0	2	375687	120748	-77868	-2.02	1.92	1263288	406030	SLV 1	3.363				Si
95	20.11	1.1	0	2	305906	88192	-77735	-2.02	1.92	1109159	319768	SLV 1	3.626				Si
125	20.11	1.1	0	2	235584	55891	-77602	-2.02	1.92	926583	219827	SLV 1	3.933				Si
154	20.11	1.1	0	2	71782	17070	-80320	-2.02	1.92	294269	69977	SLV 3	4.099				Si
184	20.11	1.1	0	2	45392	-14393	-80188	-2.02	1.92	186388	-59101	SLV 3	4.106				Si
213	20.11	1.1	0	2	19117	-48489	-80058	-2.02	1.92	78627	-199432	SLV 3	4.113				Si
242	20.11	1.1	0	2	-11274	-80846	-79923	-2.02	1.92	-46446	-333071	SLV 3	4.12				Si
272	20.11	1.1	0	2	-37679	-113385	-79791	-2.02	1.92	-152689	-459481	SLV 3	4.052				Si
301	20.11	1.1	0	2	-64579	-146162	-79659	-2.02	1.92	-247368	-559867	SLV 3	3.83				Si
331	20.11	1.1	0	2	-257098	-129216	-76677	-2.02	1.92	-927688	-466250	SLV 1	3.608				Si
360	20.11	1.1	0	2	-325661	-153200	-76546	-2.02	1.92	-1102619	-518702	SLV 1	3.386				Si
380	20.11	2.2	0	2,3	-323305	260020	-62150	-2.02	1.92	-1085368	872915	SLV 7	3.357				Si
409	20.11	2.2	0	2,3	-258286	209773	-62020	-2.02	1.92	-968839	786866	SLV 7	3.751				Si
438	20.11	1.1	0	3	-193819	159569	-61889	-2.02	1.92	-811229	667878	SLV 7	4.186				Si
467	20.11	1.1	0	3	-130668	109469	-61759	-2.02	1.92	-614060	514434	SLV 7	4.699				Si
496	20.11	1.1	0	3	-49982	76536	-62822	-2.02	1.92	-259270	397014	SLV 3	5.187				Si
525	20.11	1.1	0	3	-29909	13956	-62692	-2.02	1.92	-157090	73299	SLV 3	5.252				Si
554	20.11	1.1	0	3	-7070	-59097	-62561	-2.02	1.92	-37210	-311039	SLV 3	5.263				Si
583	20.11	1.1	0	3	149917	-93292	-61237	-2.02	1.92	716166	-445666	SLV 7	4.777				Si
612	20.11	1.1	0	3	212981	-143310	-61106	-2.02	1.92	907327	-610521	SLV 7	4.26				Si
641	20.11	1.1	0	3	277416	-193486	-60976	-2.02	1.92	1060149	-739409	SLV 7	3.822				Si
670	20.11	1.1	0	3	342419	-243720	-60845	-2.02	1.92	1171271	-833662	SLV 7	3.421				Si
690	20.11	2.2	0	3,4	-357630	225980	-39378	-2.02	1.92	-1415803	894623	SLV 7	3.959				Si
719	20.11	2.2	0	3,4	-285512	181436	-39250	-2.02	1.92	-1342390	853057	SLV 7	4.702				Si
748	20.11	1.1	0	4	168970	130592	-44032	-2.02	1.92	936050	723447	SLV 1	5.54				Si
777	20.11	1.1	0	4	121017	87273	-43901	-2.02	1.92	762777	550088	SLV 1	6.303				Si
806	20.11	1.1	0	4	77277	44993	-43771	-2.02	1.92	559640	325835	SLV 1	7.242				Si
835	20.11	1.1	0	4	-7629	-8187	-43640	-2.02	1.92	-57563	-61770	SLV 1	7.545				Si
864	20.11	1.1	0	4	-50274	-47455	-43510	-2.02	1.92	-375212	-354170	SLV 1	7.463				Si
893	20.11	1.1	0	4	-94304	-90161	-43379	-2.02	1.92	-611783	-584908	SLV 1	6.487				Si
922	20.11	1.1	0	4	240081	-137399	-38336	-2.02	1.92	1314667	-752387	SLV 7	5.476				Si
951	20.11	1.1	0	4	313037	-182680	-38206	-2.02	1.92	1435099	-837487	SLV 7	4.584				Si
980	20.11	1.1	0	4	385150	-227232	-38078	-2.02	1.92	1482975	-874930	SLV 7	3.85				Si
1000	20.11	2.2	0	4,5,7,8	-274223	213348	-21288	-2.02	1.92	-1262698	982389	SLV 7	4.605				Si
1029	20.11	2.2	0	4,5,7,8	-219343	169159	-21158	-2.02	1.92	-1280810	987767	SLV 7	5.839				Si
1058	20.11	1.1	0	5,7,8	-164791	125034	-21027	-2.02	1.92	-1262618	958002	SLV 7	7.662				Si
1087	20.11	1.1	0	5,7,8	82152	75747	-26154	-2.02	1.92	791962	730211	SLV 1	9.64				Si
1116	20.11	1.1	0	5,7,8	35534	34798	-26024	-2.02	1.92	427889	419022	SLV 1	12.042				Si
1145	20.11	1.1	0	5,7,8	-66950	-15859	-26459	-2.02	1.92	-801898	-189948	SLV 5	11.978				Si
1174	20.11	1.1	0	5,7,8	-95952	-54775	-25763	-2.02	1.92	-977336	-557920	SLV 1	10.186				Si
1203	20.11	1.1	0	5,7,8	-147583	-96480	-25632	-2.02	1.92	-1216367	-795177	SLV 1	8.242				Si
1232	20.11	1.1	0	5,7,8	-201055	-138702	-25502	-2.02	1.92	-1323943	-913347	SLV 1	6.585				Si
1261	20.5	1.8	0	5,6,7,8	-255121	-181067	-25371	-2.02	1.92	-1351385	-959121	SLV 1	5.297				Si
1290	31.04	2.5	0	5,6,7,8	-308513	-222762	-25243	-2.02	1.92	-1494745	-1079281	SLV 1	4.845				Si
1310	20.11	3.6	0	6,7,9,10,11	85563	249151	-10914	-2.02	1.92	193975	564837	SLV 5	2.267				Si
1340	15.34	3.6	0	6,7,9,10,11	132892	134984	-9735	-2.02	1.92	413855	420370	SLV 9	3.114				Si
1370	12.06	1.3	0	9,10,11	86357	84764	-9668	-2.02	1.92	414222	406581	SLV 9	4.797				Si
1400	12.06	1.3	0	9,10,11	57886	36989	-5862	-2.02	1.92	507953	324586	SLV 13	8.775				Si
1430	12.06	1.3	0	9,10,11	-31966	-23938	-9499	-2.02	1.92	-388243	-290737	SLV 1	12.145				Si
1460	12.06	1.3	0	9,10,11	-57262	94324	-2490	-2.02	1.92	-239967	395279	SLV 11	4.191				Si
1490	12.06	1.3	0	9,10,11	-102474	154113	-2422	-2.02	1.92	-233875	351729	SLV 11	2.282				Si
1520	12.06	1.3	0	9,10,11	-148839	214132	-2355	-2.02	1.92	-232377	334317	SLV 11	1.561				Si
1550	12.06	1.3	0	9,10,11	-195418	274227	-2287	-2.02	1.92	-231515	324881	SLV 11	1.185				Si
1580	14.29	2.2	0	9,10,11	-241297	333353	-2221	-2.02	1.92	-266219	367783	SLV 11	1.103				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	414608	136820	-75986	1363899	450084	SLD 1	3.29	Si
-111	20.11	2.2	0	1,2	382140	124041	-75856	1298410	421460	SLD 1	3.398	Si
-81	20.11	1.1	0	2	349114	111046	-75724	1226676	390182	SLD 1	3.514	Si
-52	20.11	1.1	0	2	316095	98058	-75592	1149876	356711	SLD 1	3.638	Si
-22	20.11	1.1	0	2	283085	85080	-75459	1067418	320807	SLD 1	3.771	Si
7	20.11	1.1	0	2	250086	72116	-75327	978713	282224	SLD 1	3.914	Si
36	20.11	1.1	0	2	217105	59175	-75194	883058	240690	SLD 1	4.067	Si
66	20.11	1.1	0	2	184154	46283	-75062	779594	195932	SLD 1	4.233	Si
95	20.11	1.1	0	2	80742	24628	-76081	349444	106586	SLD 3	4.328	Si
125	20.11	1.1	0	2	64539	14892	-75947	279809	64565	SLD 3	4.336	Si
154	20.11	1.1	0	2	48714	5806	-75816	211565	25215	SLD 3	4.343	Si
184	20.11	1.1	0	2	33012	-6778	-75684	143621	-29488	SLD 3	4.351	Si
213	20.11	1.1	0	2	17407	-20517	-75553	75862	-89415	SLD 3	4.358	Si
242	20.11	1.1	0	2	-504	-33205	-75419	-2201	-144969	SLD 3	4.366	Si
272	20.11	1.1	0	2	-16248	-45992	-75287	-71060	-201149	SLD 3	4.374	Si
301	20.11	1.1	0	2	-32239	-58883	-75154	-141247	-257979	SLD 3	4.381	Si
331	20.11	1.1	0	2	-48284	-71822	-75022	-211916	-315226	SLD 3	4.389	Si
360	20.11	1.1	0	2	-147068	-61669	-73741	-636513	-266907	SLD 1	4.328	Si
380	20.11	2.2	0	2,3	-147811	118101	-59634	-694695	555061	SLD 7	4.7	Si
409	20.11	2.2	0	2,3	-117136	95106	-59503	-584681	474719	SLD 7	4.991	Si
438	20.11	1.1	0	3	-86791	72137	-59373	-461703	383746	SLD 7	5.32	Si
467	20.11	1.1	0	3	3795	61588	-59667	20940	339872	SLD 3	5.518	Si
496	20.11	1.1	0	3	-20952	33123	-59537	-115876	183190	SLD 3	5.531	Si
525	20.11	1.1	0	3	-8493	5644	-59406	-47077	31285	SLD 3	5.543	Si
554	20.11	1.1	0	3	8492	-27580	-59276	47171	-153202	SLD 3	5.555	Si
583	20.11	1.1	0	3	12065	-55721	-59145	67169	-310209	SLD 3	5.567	Si
612	20.11	1.1	0	3	107443	-66666	-58590	573096	-355591	SLD 7	5.334	Si
641	20.11	1.1	0	3	137781	-89619	-58459	691784	-449967	SLD 7	5.021	Si
670	20.11	1.1	0	3	168453	-112606	-58329	798620	-533857	SLD 7	4.741	Si
690	20.11	2.2	0	3,4	-166924	106746	-40015	-1028619	657790	SLD 7	6.162	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
719	20.11	2.2	0	3,4	-132016	86093	-39887	-881527	574878	SLD 7	6.677	Si
748	20.11	1.1	0	4	-96737	65113	-39756	-704850	474426	SLD 7	7.286	Si
777	20.11	1.1	0	4	44026	42902	-41664	347043	338184	SLD 1	7.883	Si
806	20.11	1.1	0	4	34872	23323	-41533	276463	184903	SLD 1	7.928	Si
835	20.11	1.1	0	4	3783	-2211	-41403	30088	-17584	SLD 1	7.953	Si
864	20.11	1.1	0	4	-5997	-20481	-41272	-47841	-163395	SLD 1	7.978	Si
893	20.11	1.1	0	4	89162	-41041	-39104	702673	-323436	SLD 7	7.881	Si
922	20.11	1.1	0	4	123795	-61952	-38973	893173	-446976	SLD 7	7.215	Si
951	20.11	1.1	0	4	159049	-82940	-38843	1057147	-551273	SLD 7	6.647	Si
980	20.11	1.1	0	4	193945	-103596	-38715	1192551	-637005	SLD 7	6.149	Si
1000	20.11	2.2	0	4,5,7,8	-120142	94608	-22632	-1103114	868671	SLD 7	9.182	Si
1029	20.11	2.2	0	4,5,7,8	-98221	74882	-22501	-1011800	771380	SLD 7	10.301	Si
1058	20.11	1.1	0	5,7,8	45950	52905	-24513	530324	610600	SLD 1	11.541	Si
1087	20.11	1.1	0	5,7,8	25774	33996	-24382	334048	440608	SLD 1	12.961	Si
1116	20.11	1.1	0	5,7,8	15725	-2981	-24492	211396	-40072	SLD 5	13.444	Si
1145	20.11	1.1	0	5,7,8	-37608	-8005	-24362	-508300	-108196	SLD 5	13.516	Si
1174	20.11	1.1	0	5,7,8	-46454	-25261	-23991	-607014	-330079	SLD 1	13.067	Si
1203	20.11	1.1	0	5,7,8	-65981	-43911	-23860	-774936	-515734	SLD 1	11.745	Si
1232	20.11	1.1	0	5,7,8	-86608	-62883	-23730	-920448	-668300	SLD 1	10.628	Si
1261	20.5	1.8	0	5,6,7,8	-107596	-81943	-23599	-1041210	-792971	SLD 1	9.677	Si
1290	31.04	2.5	0	5,6,7,8	-128377	-100712	-23471	-1233007	-967292	SLD 1	9.605	Si
1310	20.11	3.6	0	6,7,9,10,11	68177	112990	-8493	325437	539346	SLD 5	4.773	Si
1340	15.34	3.6	0	6,7,9,10,11	77064	64110	-7973	478505	398067	SLD 9	6.209	Si
1370	12.06	1.3	0	9,10,11	47221	41565	-7905	439587	386937	SLD 9	9.309	Si
1400	12.06	1.3	0	9,10,11	17530	24204	-7838	268181	370300	SLD 9	15.299	Si
1430	12.06	1.3	0	9,10,11	-24319	-7065	-7774	-420093	-122036	SLD 1	17.274	Si
1460	12.06	1.3	0	9,10,11	-44332	37262	-4911	-450202	378406	SLD 11	10.155	Si
1490	12.06	1.3	0	9,10,11	-73469	58732	-4843	-443315	354395	SLD 11	6.034	Si
1520	12.06	1.3	0	9,10,11	-103217	80325	-4776	-437961	340827	SLD 11	4.243	Si
1550	12.06	1.3	0	9,10,11	-133076	101956	-4708	-412745	316225	SLD 11	3.102	Si
1580	14.29	2.2	0	9,10,11	-162476	123245	-4642	-448519	340220	SLD 11	2.761	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	501	-86811	SLU 16	15366	51792	52691	2.35	103.43	-506	-123656	SLU 51	15029	48385	55356	2.5	95.62	Si
-111	5X/2Y Ø8/10	501	-86681	SLU 16	15366	51792	52691	2.35	103.43	-506	-123486	SLU 51	15029	48385	55356	2.5	95.62	Si
-81	5X/2Y Ø8/10	501	-86549	SLU 16	15366	51792	52691	2.35	103.43	-506	-123314	SLU 51	15029	48385	55356	2.5	95.62	Si
-52	5X/2Y Ø8/10	501	-86416	SLU 16	15366	51792	52691	2.35	103.43	-506	-123142	SLU 51	15029	48385	55356	2.5	95.62	Si
-22	5X/2Y Ø8/15	501	-86284	SLU 16	15366	36732	50429	2.5	73.35	-506	-122970	SLU 51	15029	32257	55356	2.5	63.75	Si
7	5X/2Y Ø8/15	501	-86151	SLU 16	15366	36732	50429	2.5	73.35	-506	-122798	SLU 51	15029	32257	55356	2.5	63.75	Si
36	5X/2Y Ø8/15	501	-86019	SLU 16	15366	36732	50429	2.5	73.35	-506	-122626	SLU 51	15029	32257	55356	2.5	63.75	Si
66	5X/2Y Ø8/15	501	-85887	SLU 16	15366	36732	50429	2.5	73.35	-506	-122454	SLU 51	15029	32257	55356	2.5	63.75	Si
95	5X/2Y Ø8/15	501	-85754	SLU 16	15366	36732	50429	2.5	73.35	-506	-122282	SLU 51	15029	32257	55356	2.5	63.75	Si
125	5X/2Y Ø8/15	501	-85621	SLU 16	15366	36732	50429	2.5	73.35	-506	-122108	SLU 51	15029	32257	55356	2.5	63.75	Si
154	5X/2Y Ø8/15	501	-85490	SLU 16	15366	36732	50429	2.5	73.35	-506	-121938	SLU 51	15029	32257	55356	2.5	63.75	Si
184	5X/2Y Ø8/15	501	-85357	SLU 16	15366	36732	50429	2.5	73.35	-506	-121766	SLU 51	15029	32257	55356	2.5	63.75	Si
213	5X/2Y Ø8/15	501	-85227	SLU 16	15366	36732	50429	2.5	73.35	-506	-121596	SLU 51	15029	32257	55356	2.5	63.75	Si
242	5X/2Y Ø8/10	501	-85093	SLU 16	15366	51792	52691	2.35	103.43	-506	-121422	SLU 51	15029	48385	55356	2.5	95.62	Si
272	5X/2Y Ø8/10	501	-84960	SLU 16	15366	51792	52691	2.35	103.43	-506	-121250	SLU 51	15029	48385	55356	2.5	95.62	Si
301	5X/2Y Ø8/10	501	-84828	SLU 16	15366	51792	52691	2.35	103.43	-506	-121078	SLU 51	15029	48385	55356	2.5	95.62	Si
331	5X/2Y Ø8/10	501	-84696	SLU 16	15366	51792	52691	2.35	103.43	-506	-120906	SLU 51	15029	48385	55356	2.5	95.62	Si
360	5X/2Y Ø8/10	501	-84565	SLU 16	15366	51792	52691	2.35	103.43	-506	-120736	SLU 51	15029	48385	55356	2.5	95.62	Si
380	5X/2Y Ø8/10	-566	-91508	SLU 45	15366	51792	52691	2.35	91.47	611	-92727	SLU 46	15029	48385	55356	2.5	79.17	Si
409	5X/2Y Ø8/10	-566	-91338	SLU 45	15366	51792	52691	2.35	91.47	611	-92557	SLU 46	15029	48385	55356	2.5	79.17	Si
438	5X/2Y Ø8/10	-566	-91168	SLU 45	15366	51792	52691	2.35	91.47	611	-92388	SLU 46	15029	48385	55356	2.5	79.17	Si
467	5X/2Y Ø8/14.4	-566	-90999	SLU 45	15366	38145	50429	2.5	67.37	611	-92218	SLU 46	15029	33497	55356	2.5	54.81	Si
496	5X/2Y Ø8/14.4	-566	-90829	SLU 45	15366	38145	50429	2.5	67.37	611	-92048	SLU 46	15029	33497	55356	2.5	54.81	Si
525	5X/2Y Ø8/14.4	-566	-90659	SLU 45	15366	38145	50429	2.5	67.37	611	-91879	SLU 46	15029	33497	55356	2.5	54.81	Si
554	5X/2Y Ø8/14.4	-566	-90490	SLU 45	15366	38145	50429	2.5	67.37	611	-91709	SLU 46	15029	33497	55356	2.5	54.81	Si
583	5X/2Y Ø8/14.4	-566	-90320	SLU 45	15366	38145	50429	2.5	67.37	611	-91539	SLU 46	15029	33497	55356	2.5	54.81	Si
612	5X/2Y Ø8/10	-566	-90151	SLU 45	15366	51792	52691	2.35	91.47	611	-91370	SLU 46	15029	48385	55356	2.5	79.17	Si
641	5X/2Y Ø8/10	-566	-89981	SLU 45	15366	51792	52691	2.35	91.47	611	-91200	SLU 46	15029	48385	55356	2.5	79.17	Si
670	5X/2Y Ø8/10	-566	-89811	SLU 45	15366	51792	52691	2.35	91.47	611	-91030	SLU 46	15029	48385	55356	2.5	79.17	Si
690	5X/2Y Ø8/10	-490	-68402	SLU 50	15366	50690	52123	2.3	103.53	670	-69694	SLU 52	15029	48385	54138	2.5	72.25	Si
719	5X/2Y Ø8/10	-490	-68235	SLU 50	15366	50690	52100	2.3	103.53	670	-69528	SLU 52	15029	48385	54115	2.5	72.25	Si
748	5X/2Y Ø8/10	-490	-68066	SLU 50	15366	50690	52077	2.3	103.53	670	-69358	SLU 52	15029	48385	54091	2.5	72.25	Si
777	5X/2Y Ø8/14.4	-490	-67896	SLU 50	15366	38145	49088	2.5	77.9	670	-69188	SLU 52	15029	33497	54067	2.5	50.02	Si
806	5X/2Y Ø8/14.4	-490	-67727	SLU 50	15366	38145	49066	2.5	77.9	670	-69019	SLU 52	15029	33497	54043	2.5	50.02	Si
835	5X/2Y Ø8/14.4	-490	-67557	SLU 50	15366	38145	49044	2.5	77.9	670	-68849	SLU 52	15029	33497	54019	2.5	50.02	Si
864	5X/2Y Ø8/14.4	-490	-67387	SLU 50	15366	38145	49022	2.5	77.9	670	-68679	SLU 52	15029	33497	53995	2.5	50.02	Si
893	5X/2Y Ø8/14.4	-490	-67218	SLU 50	15366	38145	49001	2.5	77.9	670	-68510	SLU 52	15029	33497	53971	2.5	50.02	Si
922	5X/2Y Ø8/10	-490	-67048	SLU 50	15366	50690	51938	2.3	103.53	670	-68340	SLU 52	15029	48385	53947	2.5	72.25	Si
951	5X/2Y Ø8/10	-490	-66878	SLU 50	15366	50690	51915	2.3	103.53	670	-68170	SLU 52	15029	48385	53923	2.5	72.25	Si
980	5X/2Y Ø8/10	-490	-66712	SLU 50	15366	50690	51892	2.3	103.53	670	-68004	SLU 52	15029	48385	53899	2.5	72.25	Si
1000	5X/2Y Ø8/10	-362	-33985	SLU 37	11798	48486	48856	2.2	133.92	-265	-26851	SLU 31	10137	47417	48785	2.45	179.27	Si
1029	5X/2Y Ø8/10	-362	-33815	SLU 37	11776	48486	48832	2.2	133.92	-265	-26682	SLU 31	10113	47417	48761	2.45	179.27	Si
1058	5X/2Y Ø8/10	-362	-33645	SLU 37	11755	48486	48808	2.2	133.92	-265	-26512	SLU 31	10090	47417	48736	2.45	179.27	Si
1087	5X/2Y Ø8/14.4	-362	-33476	SLU 37	11734	38145	44655	2.5	105.36	-265	-26342	SLU 31	10067	33497	48009	2.5	126.64	Si
1116	5X/2Y Ø8/14.4	-362	-33306	SLU 37	11713	38145	44633	2.5	105.36	-265	-26173	SLU 31	10044	33497	47985	2.5	126.64	Si
1145	5X/2Y Ø8/14.4	-362	-33136	SLU 37	11692	38145	44611	2.5	105.36	-265	-26003	SLU 31	10021	33497	47961	2.5	126.64	Si
1174	5X/2Y Ø8/14.4	-362	-32967	SLU 37	11671	38145	44589	2.5	105.36	-265	-25833	SLU 31	9997	33497	47937	2.5	126.64	Si
1203	5X/2Y Ø8/14.4	-362	-32797	SLU 37	11650	38145	44567	2.5	105.36	-265	-25664	SLU 31	9974	33497	47913	2.5	126.64	Si
1232	5X/2Y Ø8/10	-362	-32627	SLU 37	11629	48486	48665	2.2	133.92	-265	-25494	SLU 31	9951	47417	48590	2.45	179.27	Si
1261	5X/2Y Ø8/10	-362	-32458	SLU 37	11607	48486	48641	2.2	133.92	-265	-25324	SLU 31	9928	47417	48566	2.45	179.27	Si
1290	5X/2Y Ø8/10	-362	-32291	SLU 37	11587	48486	48617	2.2	133.92	-265	-25158	SLU 31	9905	47417	48542	2.45	179.27	Si
1310	2X/2Y Ø8/10	-242	-9283	SLU 36	4905	21395	21476	2.45	88.48	-1072	-12032	SLU 51	5281	21598	22039	2.45	20.15	Si
1340	2X/2Y Ø8/10	-242	-9195	SLU 36	4894	21395	21465	2.45	88.48	-1072	-11944	SLU 51	5270	21598	22028	2.45	20.15	Si
1370	2X/2Y Ø8/10	-242	-9107	SLU 36	4883	21395	21453	2.45	88.48	-1072	-11856	SLU 51	5259	21598	22016	2.45	20.15	Si
1400	2X/2Y Ø8/14.4	-242	-9020	SLU 36	4873	15114	21133	2.5	62.51	-1072	-11769	SLU 51	5248	15258	21687	2.5	14.23	Si
1430	2X/2Y Ø8/14.4	-242	-8932	SLU 36	4862	15114	21121	2.5	62.51	-1072	-11681	SLU 51	5238	15258	21676	2.5	14.23	Si
1460	2X/2Y Ø8/14.4	-242	-8844	SLU 36	4851	15114	21110	2.5	62.51	-1072	-11593	SLU 51	5227	15258	21665	2.5	14.23	Si
1490	2X/2Y Ø8/14.4	-242	-8756	SLU 36	4840	15114	21099	2.5	62.51	-1072	-11505	SLU 51	5216	15258	21654	2.5	14.23	Si
1520	2X/2Y Ø8/14.4	-242	-8669	SLU 36	4829	15114	21088	2.5	62.51	-1072	-11418	SLU 51	5205	15258	21642	2.5	14.23	Si
1550	2X/2Y Ø8/10	-242	-8581	SLU 36	4818	20959	21700	2.4	86.68	-1072	-11330	SLU 51	5194	21598	21948	2.45	20.15	Si
1580	2X/2Y Ø8/10	-242	-8495	SLU 36	4808	20959	21689	2.4	86.68	-1072	-11244	SLU 51	5183	21598	21936	2.45	20.15	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	1128	-66756	SLV 13	15366	50690	51898	2.3	44.96	-3142	-71254	SLV 5	15029	48385	54359	2.5	15.4	Si
-111	5X/2Y Ø8/10	1128	-66625	SLV 13	15366	50690	51880	2.3	44.96	-3142	-71124	SLV 5	15029	48385	54340	2.5	15.4	Si
-81	5X/2Y Ø8/10	1128	-66493	SLV 13	15366	50690	51862	2.3	44.96	-3142	-70992	SLV 5	15029	48385	54322	2.5	15.4	Si
-52	5X/2Y Ø8/10	1128	-66361	SLV 13	15366	50690	51844	2.3	44.96	-3142	-70860	SLV 5	15029	48385	54303	2.5	15.4	Si
-22	5X/2Y Ø8/15	1128	-66228	SLV 13	15366	36732	48873	2.5	32.58	-3142	-70727	SLV 5	15029	32257	54284	2.5	10.27	Si
7	5X/2Y Ø8/15	1128	-66096	SLV 13	15366	36732	48856	2.5	32.58	-3142	-70595	SLV 5	15029	32257	54266	2.5	10.27	Si
36	5X/2Y Ø8/15	1128	-65964	SLV 13	15366	36732	48839	2.5	32.58	-3142	-70463	SLV 5	15029	32257	54247	2.5	10.27	Si
66	5X/2Y Ø8/15	1128	-65831	SLV 13	15366	36732	48822	2.5	32.58	-3142	-70330	SLV 5	15029	32257	54228	2.5	10.27	Si
95	5X/2Y Ø8/15	1128	-65699	SLV 13	15366	36732	48805	2.5	32.58	-3142	-70198	SLV 5	15029	32257	54209	2.5	10.27	Si
125	5X/2Y Ø8/15	1128	-65565	SLV 13	15366	36732	48788	2.5	32.58	-3142	-70064	SLV 5	15029	32257	54191	2.5	10.27	Si
154	5X/2Y Ø8/15	1128	-65434	SLV 13	15366	36732	48771	2.5	32.58	-3142	-69933	SLV 5	15029	32257	54172	2.5	10.27	Si
184	5X/2Y Ø8/15	1128	-65302	SLV 13	15366	36732	48754	2.5	32.58	-3142	-69801	SLV 5	15029	32257	54153	2.5	10.27	Si
213	5X/2Y Ø8/15	1128	-65172	SLV 13	15366	36732	48737	2.5	32.58	-3142	-69670	SLV 5	15029	32257	54135	2.5	10.27	Si
242	5X/2Y Ø8/10	1128	-65037	SLV 13	15366	50690	51663	2.3	44.96	-3142	-69536	SLV 5	15029	48385	54116	2.5	15.4	Si
272	5X/2Y Ø8/10	1128	-64905	SLV 13	15366	50690	51645	2.3	44.96	-3142	-69404	SLV 5	15029	48385	54097	2.5	15.4	Si
301	5X/2Y Ø8/10	1128	-64773	SLV 13	15366	50690	51627	2.3	44.96	-3142	-69271	SLV 5	15029	48385	54079	2.5	15.4	Si
331	5X/2Y Ø8/10	1128	-64640	SLV 13	15366	50690	51609	2.3	44.96	-3142	-69139	SLV 5	15029	48385	54060	2.5	15.4	Si
360	5X/2Y Ø8/10	1128	-64510	SLV 13	15366	50690	51591	2.3	44.96	-3142	-69009	SLV 5	15029	48385	54041	2.5	15.4	Si
380	5X/2Y Ø8/10	-2261	-63344	SLV 3	15366	50690	51432	2.3	22.42	3017	-59398	SLV 11	14584	48385	52683	2.5	16.03	Si
409	5X/2Y Ø8/10	-2261	-63214	SLV 3	15366	50690	51414	2.3	22.42	3017	-59267	SLV 11	14567	48385	52664	2.5	16.03	Si
438	5X/2Y Ø8/10	-2261	-63083	SLV 3	15366	50690	51396	2.3	22.42	3017	-59137	SLV 11	14549	48385	52646	2.5	16.03	Si
467	5X/2Y Ø8/14.4	-2261	-62953	SLV 3	15366	38145	48451	2.5	16.87	3017	-59006	SLV 11	14531	33497	52627	2.5	11.1	Si
496	5X/2Y Ø8/14.4	-2261	-62822	SLV 3	15366	38145	48434	2.5	16.87	3017	-58876	SLV 11	14513	33497	52609	2.5	11.1	Si
525	5X/2Y Ø8/14.4	-2261	-62692	SLV 3	15366	38145	48418	2.5	16.87	3017	-58745	SLV 11	14495	33497	52590	2.5	11.1	Si
554	5X/2Y Ø8/14.4	-2261	-62561	SLV 3	15355	38145	48401	2.5	16.87	3017	-58615	SLV 11	14477	33497	52572	2.5	11.1	Si
583	5X/2Y Ø8/14.4	-2261	-62431	SLV 3	15339	38145	48384	2.5	16.87	3017	-58484	SLV 11	14460	33497	52553	2.5	11.1	Si
612	5X/2Y Ø8/10	-2261	-62300	SLV 3	15323	50690	51289	2.3	22.42	3017	-58354	SLV 11	14442	48385	52535	2.5	16.03	Si
641	5X/2Y Ø8/10	-2261	-62170	SLV 3	15307	50690	51271	2.3	22.42	3017	-58223	SLV 11	14424	48385	52517	2.5	16.03	Si
670	5X/2Y Ø8/10	-2261	-62039	SLV 3	15290	50690	51254	2.3	22.42	3017	-58093	SLV 11	14406	48385	52498	2.5	16.03	Si
690	5X/2Y Ø8/10	-2049	-43029	SLV 3	12924	48486	50128	2.2	23.66	3368	-37510	SLV 11	11593	48385	49588	2.5	14.37	Si
719	5X/2Y Ø8/10	-2049	-42901	SLV 3	12908	48486	50110	2.2	23.66	3368	-37382	SLV 11	11576	48385	49570	2.5	14.37	Si
748	5X/2Y Ø8/10	-2049	-42770	SLV 3	12891	48486	50092	2.2	23.66	3368	-37251	SLV 11	11558	48385	49552	2.5	14.37	Si
777	5X/2Y Ø8/14.4	-2049	-42640	SLV 3	12875	38145	45835	2.5	18.62	3368	-37121	SLV 11	11540	33497	49533	2.5	9.95	Si
806	5X/2Y Ø8/14.4	-2049	-42509	SLV 3	12859	38145	45818	2.5	18.62	3368	-36990	SLV 11	11522	33497	49515	2.5	9.95	Si
835	5X/2Y Ø8/14.4	-2049	-42379	SLV 3	12843	38145	45802	2.5	18.62	3368	-36860	SLV 11	11504	33497	49496	2.5	9.95	Si
864	5X/2Y Ø8/14.4	-2049	-42248	SLV 3	12826	38145	45785	2.5	18.62	3368	-36729	SLV 11	11487	33497	49478	2.5	9.95	Si
893	5X/2Y Ø8/14.4	-2049	-42118	SLV 3	12810	38145	45768	2.5	18.62	3368	-36599	SLV 11	11469	33497	49459	2.5	9.95	Si
922	5X/2Y Ø8/10	-2049	-41987	SLV 3	12794	48486	49981	2.2	23.66	3368	-36468	SLV 11	11451	48385	49441	2.5	14.37	Si
951	5X/2Y Ø8/10	-2049	-41857	SLV 3	12778	48486	49963	2.2	23.66	3368	-36338	SLV 11	11433	48385	49422	2.5	14.37	Si
980	5X/2Y Ø8/10	-2049	-41729	SLV 3	12762	48486	49945	2.2	23.66	3368	-36210	SLV 11	11416	48385	49404	2.5	14.37	Si
1000	5X/2Y Ø8/10	-2012	-24799	SLV 3	10654	47384	48280	2.15	23.55	2644	-20026	SLV 11	9204	47417	47806	2.45	17.94	Si
1029	5X/2Y Ø8/10	-2012	-24668	SLV 3	10638	47384	48262	2.15	23.55	2644	-19896	SLV 11	9186	47417	47787	2.45	17.94	Si
1058	5X/2Y Ø8/10	-2012	-24538	SLV 3	10621	47384	48243	2.15	23.55	2644	-19765	SLV 11	9168	47417	47769	2.45	17.94	Si
1087	5X/2Y Ø8/14.4	-2012	-24407	SLV 3	10605	38145	43487	2.5	18.96	2644	-19635	SLV 11	9150	33497	47061	2.5	12.67	Si
1116	5X/2Y Ø8/14.4	-2012	-24277	SLV 3	10589	38145	43470	2.5	18.96	2644	-19504	SLV 11	9132	33497	47043	2.5	12.67	Si
1145	5X/2Y Ø8/14.4	-2012	-24146	SLV 3	10573	38145	43453	2.5	18.96	2644	-19374	SLV 11	9115	33497	47024	2.5	12.67	Si
1174	5X/2Y Ø8/14.4	-2012	-24016	SLV 3	10556	38145	43436	2.5	18.96	2644	-19243	SLV 11	9097	33497	47006	2.5	12.67	Si
1203	5X/2Y Ø8/14.4	-2012	-23885	SLV 3	10540	38145	43420	2.5	18.96	2644	-19113	SLV 11	9079	33497	46987	2.5	12.67	Si
1232	5X/2Y Ø8/10	-2012	-23755	SLV 3	10524	47384	48131	2.15	23.55	2644	-18982	SLV 11	9061	47417	47656	2.45	17.94	Si
1261	5X/2Y Ø8/10	-2012	-23624	SLV 3	10508	47384	48112	2.15	23.55	2644	-18852	SLV 11	9043	47417	47638	2.45	17.94	Si
1290	5X/2Y Ø8/10	-2012	-23496	SLV 3	10492	47384	48094	2.15	23.55	2644	-18723	SLV 11	9026	47417	47619	2.45	17.94	Si
1310	2X/2Y Ø8/10	-2282	-10914	SLV 5	5106	21395	21687	2.45	9.38	-1997	-3972	SLV 15	4278	21158	21295	2.4	10.59	Si
1340	2X/2Y Ø8/10	-2282	-10846	SLV 5	5098	21395	21678	2.45	9.38	-1997	-3905	SLV 15	4269	21158	21286	2.4	10.59	Si
1370	2X/2Y Ø8/10	-2282	-10779	SLV 5	5090	21395	21670	2.45	9.38	-1997	-3837	SLV 15	4261	21158	21277	2.4	10.59	Si
1400	2X/2Y Ø8/14.4	-2282	-10711	SLV 5	5081	15114	21348	2.5	6.62	-1997	-3770	SLV 15	4253	15258	20657	2.5	7.64	Si
1430	2X/2Y Ø8/14.4	-2282	-10644	SLV 5	5073	15114	21340	2.5	6.62	-1997	-3702	SLV 15	4244	15258	20649	2.5	7.64	Si
1460	2X/2Y Ø8/14.4	-2282	-10576	SLV 5	5065	15114	21331	2.5	6.62	-1997	-3635	SLV 15	4236	15258	20640	2.5	7.64	Si
1490	2X/2Y Ø8/14.4	-2282	-10509	SLV 5	5056	15114	21323	2.5	6.62	-1997	-3567	SLV 15	4227	15258	20631	2.5	7.64	Si
1520	2X/2Y Ø8/14.4	-2282	-10441	SLV 5	5048	15114	21314	2.5	6.62	-1997	-3500	SLV 15	4219	15258	20622	2.5	7.64	Si
1550	2X/2Y Ø8/10	-2282	-10374	SLV 5	5040	21395	21617	2.45	9.38	-1997	-3432	SLV 15	4211	21158	21224	2.4	10.59	Si
1580	2X/2Y Ø8/10	-2282	-10308	SLV 5	5031	21395	21609	2.45	9.38	-1997	-3366	SLV 15	4202	21158	21215	2.4	10.59	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	446	-71260	SLD 13	16438	55098	49521	2.5	111.11	-1425	-72989	SLD 5	16442	48385	54604	2.5	33.97	Si
-111	5X/2Y Ø8/10	446	-71130	SLD 13	16422	55098	49504	2.5	111.07	-1425	-72859	SLD 5	16424	48385	54586	2.5	33.97	Si
-81	5X/2Y Ø8/10	446	-70997	SLD 13	16406	55098	49487	2.5	111.04	-1425	-72727	SLD 5	16406	48385	54567	2.5	33.97	Si
-52	5X/2Y Ø8/10	446	-70865	SLD 13	16389	55098	49470	2.5	111	-1425	-72594	SLD 5	16388	48385	54548	2.5	33.97	Si
-22	5X/2Y Ø8/15	446	-70733	SLD 13	16373	36732	49453	2.5	82.42	-1425	-72462	SLD 5	16370	32257	54530	2.5	22.64	Si
7	5X/2Y Ø8/15	446	-70600	SLD 13	16356	36732	49436	2.5	82.42	-1425	-72330	SLD 5	16352	32257	54511	2.5	22.64	Si
36	5X/2Y Ø8/15	446	-70468	SLD 13	16340	36732	49419	2.5	82.42	-1425	-72197	SLD 5	16334	32257	54492	2.5	22.64	Si
66	5X/2Y Ø8/15	446	-70336	SLD 13	16323	36732	49402	2.5	82.42	-1425	-72065	SLD 5	16316	32257	54473	2.5	22.64	Si
95	5X/2Y Ø8/15	446	-70203	SLD 13	16307	36732	49385	2.5	82.42	-1425	-71933	SLD 5	16298	32257	54455	2.5	22.64	Si
125	5X/2Y Ø8/15	446	-70070	SLD 13	16290	36732	49368	2.5	82.42	-1425	-71799	SLD 5	16279	32257	54436	2.5	22.64	Si
154	5X/2Y Ø8/15	446	-69939	SLD 13	16274	36732	49351	2.5	82.42	-1425	-71668	SLD 5	16261	32257	54417	2.5	22.64	Si
184	5X/2Y Ø8/15	446	-69806	SLD 13	16257	36732	49334	2.5	82.42	-1425	-71536	SLD 5	16243	32257	54399	2.5	22.64	Si
213	5X/2Y Ø8/15	446	-69676	SLD 13	16241	36732	49317	2.5	82.42	-1425	-71405	SLD 5	16226	32257	54380	2.5	22.64	Si
242	5X/2Y Ø8/10	446	-69542	SLD 13	16224	55098	49300	2.5	110.61	-1425	-71271	SLD 5	16207	48385	54361	2.5	33.97	Si
272	5X/2Y Ø8/10	446	-69409	SLD 13	16208	55098	49283	2.5	110.58	-1425	-71138	SLD 5	16189	48385	54342	2.5	33.97	Si
301	5X/2Y Ø8/10	446	-69277	SLD 13	16191	55098	49266	2.5	110.54	-1425	-71006	SLD 5	16171	48385	54324	2.5	33.97	Si
331	5X/2Y Ø8/10	446	-69145	SLD 13	16175	55098	49249	2.5	110.5	-1425	-70874	SLD 5	16153	48385	54305	2.5	33.97	Si
360	5X/2Y Ø8/10	446	-69014	SLD 13	16159	55098	49232	2.5	110.46	-1425	-70744	SLD 5	16135	48385	54287	2.5	33.97	Si
380	5X/2Y Ø8/10	-1000	-60059	SLD 3	15044	55098	48079	2.5	48.07	1367	-58550	SLD 11	14469	48385	52563	2.5	35.4	Si
409	5X/2Y Ø8/10	-1000	-59928	SLD 3	15028	55098	48062	2.5	48.06	1367	-58419	SLD 11	14451	48385	52544	2.5	35.4	Si
438	5X/2Y Ø8/10	-1000	-59798	SLD 3	15011	55098	48045	2.5	48.04	1367	-58289	SLD 11	14433	48385	52526	2.5	35.4	Si
467	5X/2Y Ø8/14.4	-1000	-59667	SLD 3	14995	38145	48028	2.5	38.14	1367	-58158	SLD 11	14415	33497	52507	2.5	24.51	Si
496	5X/2Y Ø8/14.4	-1000	-59537	SLD 3	14979	38145	48011	2.5	38.14	1367	-58028	SLD 11	14397	33497	52489	2.5	24.51	Si
525	5X/2Y Ø8/14.4	-1000	-59406	SLD 3	14963	38145	47995	2.5	38.14	1367	-57897	SLD 11	14379	33497	52470	2.5	24.51	Si
554	5X/2Y Ø8/14.4	-1000	-59276	SLD 3	14946	38145	47978	2.5	38.14	1367	-57767	SLD 11	14362	33497	52452	2.5	24.51	Si
583	5X/2Y Ø8/14.4	-1000	-59145	SLD 3	14930	38145	47961	2.5	38.14	1367	-57636	SLD 11	14344	33497	52434	2.5	24.51	Si
612	5X/2Y Ø8/10	-1000	-59015	SLD 3	14914	55098	47944	2.5	47.94	1367	-57506	SLD 11	14326	48385	52415	2.5	35.4	Si
641	5X/2Y Ø8/10	-1000	-58884	SLD 3	14898	55098	47927	2.5	47.92	1367	-57375	SLD 11	14308	48385	52397	2.5	35.4	Si
670	5X/2Y Ø8/10	-1000	-58754	SLD 3	14881	55098	47910	2.5	47.9	1367	-57245	SLD 11	14290	48385	52378	2.5	35.4	Si
690	5X/2Y Ø8/10	-915	-41512	SLD 3	12735	55098	45690	2.5	49.92	1556	-39274	SLD 11	11834	48385	49838	2.5	31.09	Si
719	5X/2Y Ø8/10	-915	-41383	SLD 3	12719	55098	45673	2.5	49.9	1556	-39145	SLD 11	11817	48385	49819	2.5	31.09	Si
748	5X/2Y Ø8/10	-915	-41253	SLD 3	12702	55098	45657	2.5	49.88	1556	-39015	SLD 11	11799	48385	49801	2.5	31.09	Si
777	5X/2Y Ø8/14.4	-915	-41122	SLD 3	12686	38145	45640	2.5	41.68	1556	-38884	SLD 11	11781	33497	49782	2.5	21.52	Si
806	5X/2Y Ø8/14.4	-915	-40992	SLD 3	12670	38145	45623	2.5	41.68	1556	-38754	SLD 11	11763	33497	49764	2.5	21.52	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
835	5X/2Y Ø8/14.4	-915	-40861	SLD 3	12654	38145	45606	2.5	41.68	1556	-38623	SLD 11	11745	33497	49746	2.5	21.52	Si
864	5X/2Y Ø8/14.4	-915	-40731	SLD 3	12637	38145	45589	2.5	41.68	1556	-38493	SLD 11	11728	33497	49727	2.5	21.52	Si
893	5X/2Y Ø8/14.4	-915	-40600	SLD 3	12621	38145	45572	2.5	41.68	1556	-38362	SLD 11	11710	33497	49709	2.5	21.52	Si
922	5X/2Y Ø8/10	-915	-40470	SLD 3	12605	55098	45556	2.5	49.77	1556	-38232	SLD 11	11692	48385	49690	2.5	31.09	Si
951	5X/2Y Ø8/10	-915	-40339	SLD 3	12589	55098	45539	2.5	49.75	1556	-38101	SLD 11	11674	48385	49672	2.5	31.09	Si
980	5X/2Y Ø8/10	-915	-40211	SLD 3	12573	55098	45522	2.5	49.74	1556	-37973	SLD 11	11657	48385	49654	2.5	31.09	Si
1000	5X/2Y Ø8/10	-874	-24059	SLD 3	10562	55098	43442	2.5	49.68	1056	-22123	SLD 11	9490	48385	47413	2.5	44.89	Si
1029	5X/2Y Ø8/10	-874	-23929	SLD 3	10546	55098	43425	2.5	49.66	1056	-21993	SLD 11	9473	48385	47394	2.5	44.88	Si
1058	5X/2Y Ø8/10	-874	-23798	SLD 3	10529	55098	43408	2.5	49.64	1056	-21862	SLD 11	9455	48385	47376	2.5	44.86	Si
1087	5X/2Y Ø8/14.4	-874	-23668	SLD 3	10513	38145	43392	2.5	43.62	1056	-21732	SLD 11	9437	33497	47358	2.5	31.72	Si
1116	5X/2Y Ø8/14.4	-874	-23537	SLD 3	10497	38145	43375	2.5	43.62	1056	-21601	SLD 11	9419	33497	47339	2.5	31.72	Si
1145	5X/2Y Ø8/14.4	-874	-23407	SLD 3	10481	38145	43358	2.5	43.62	1056	-21471	SLD 11	9401	33497	47321	2.5	31.72	Si
1174	5X/2Y Ø8/14.4	-874	-23276	SLD 3	10464	38145	43341	2.5	43.62	1056	-21340	SLD 11	9383	33497	47302	2.5	31.72	Si
1203	5X/2Y Ø8/14.4	-874	-23146	SLD 3	10448	38145	43324	2.5	43.62	1056	-21210	SLD 11	9366	33497	47284	2.5	31.72	Si
1232	5X/2Y Ø8/10	-874	-23015	SLD 3	10432	55098	43308	2.5	49.53	1056	-21079	SLD 11	9348	48385	47265	2.5	44.75	Si
1261	5X/2Y Ø8/10	-874	-22885	SLD 3	10416	55098	43291	2.5	49.51	1056	-20949	SLD 11	9330	48385	47247	2.5	44.74	Si
1290	5X/2Y Ø8/10	-874	-22756	SLD 3	10400	55098	43274	2.5	49.49	1056	-20821	SLD 11	9312	48385	47229	2.5	44.72	Si
1310	2X/2Y Ø8/10	-999	-8493	SLD 5	4808	21832	21065	2.5	21.1	-1180	-5697	SLD 15	4493	22039	20905	2.5	17.72	Si
1340	2X/2Y Ø8/10	-999	-8426	SLD 5	4799	21832	21057	2.5	21.09	-1180	-5630	SLD 15	4484	22039	20897	2.5	17.72	Si
1370	2X/2Y Ø8/10	-999	-8358	SLD 5	4791	21832	21048	2.5	21.08	-1180	-5562	SLD 15	4476	22039	20888	2.5	17.71	Si
1400	2X/2Y Ø8/14.4	-999	-8291	SLD 5	4783	15114	21040	2.5	15.14	-1180	-5495	SLD 15	4467	15258	20879	2.5	12.94	Si
1430	2X/2Y Ø8/14.4	-999	-8223	SLD 5	4774	15114	21031	2.5	15.14	-1180	-5427	SLD 15	4459	15258	20871	2.5	12.94	Si
1460	2X/2Y Ø8/14.4	-999	-8156	SLD 5	4766	15114	21022	2.5	15.14	-1180	-5360	SLD 15	4451	15258	20862	2.5	12.94	Si
1490	2X/2Y Ø8/14.4	-999	-8088	SLD 5	4758	15114	21014	2.5	15.14	-1180	-5292	SLD 15	4442	15258	20853	2.5	12.94	Si
1520	2X/2Y Ø8/14.4	-999	-8021	SLD 5	4749	15114	21005	2.5	15.14	-1180	-5225	SLD 15	4434	15258	20845	2.5	12.94	Si
1550	2X/2Y Ø8/10	-999	-7953	SLD 5	4741	21832	20997	2.5	21.03	-1180	-5157	SLD 15	4425	22039	20836	2.5	17.66	Si
1580	2X/2Y Ø8/10	-999	-7887	SLD 5	4733	21832	20988	2.5	21.02	-1180	-5091	SLD 15	4417	22039	20827	2.5	17.66	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	136031	-47564	-88131	SLE RA 13	-52.7	136031	-47564	-88131	SLE RA 13	-750.5	Si
-111	126056	-42757	-88001	SLE RA 13	-51.8	126056	-42757	-88001	SLE RA 13	-739.5	Si
-81	115909	-37866	-87868	SLE RA 13	-50.8	115909	-37866	-87868	SLE RA 13	-728.3	Si
-52	105763	-32976	-87736	SLE RA 13	-49.8	105763	-32976	-87736	SLE RA 13	-717.2	Si
-22	95616	-28085	-87604	SLE RA 13	-48.8	95616	-28085	-87604	SLE RA 13	-706	Si
7	85469	-23195	-87471	SLE RA 13	-47.8	85469	-23195	-87471	SLE RA 13	-694.8	Si
36	75322	-18305	-87339	SLE RA 13	-46.8	75322	-18305	-87339	SLE RA 13	-683.6	Si
66	65175	-13414	-87207	SLE RA 13	-45.8	65175	-13414	-87207	SLE RA 13	-672.4	Si
95	55029	-8524	-87074	SLE RA 13	-44.8	55029	-8524	-87074	SLE RA 13	-661.2	Si
125	51772	-3627	-86333	SLE RA 12	-43.9	44780	-3585	-86941	SLE RA 13	-649.9	Si
154	40946	-4176	-86202	SLE RA 12	-43.3	40946	-4176	-86202	SLE RA 12	-642.9	Si
184	24588	6147	-86677	SLE RA 13	-43	24588	6147	-86677	SLE RA 13	-638.5	Si
213	14594	10964	-86547	SLE RA 13	-42.9	14594	10964	-86547	SLE RA 13	-635.9	Si
242	4294	15928	-86413	SLE RA 13	-42.8	4294	15928	-86413	SLE RA 13	-633.4	Si
272	-5852	20819	-86280	SLE RA 13	-43.2	-5852	20819	-86280	SLE RA 13	-637.6	Si
301	-15999	25709	-86148	SLE RA 13	-44.1	-15999	25709	-86148	SLE RA 13	-646.9	Si
331	-25136	58842	-81037	SLE RA 7	-45.1	-26146	30599	-86016	SLE RA 13	-656.3	Si
360	-33787	67494	-80907	SLE RA 7	-46.3	-36120	35407	-85885	SLE RA 13	-665.4	Si
380	-39294	63466	-69638	SLE RA 13	-40.8	-39294	63466	-69638	SLE RA 13	-576.1	Si
409	-28212	52289	-69508	SLE RA 13	-39.2	-28212	52289	-69508	SLE RA 13	-558.8	Si
438	-17130	41111	-69377	SLE RA 13	-37.6	-17130	41111	-69377	SLE RA 13	-541.5	Si
467	-6048	29934	-69247	SLE RA 13	-36	-6048	29934	-69247	SLE RA 13	-524.2	Si
496	5034	18756	-69116	SLE RA 13	-34.8	5034	18756	-69116	SLE RA 13	-512.8	Si
525	16116	7579	-68986	SLE RA 13	-34.3	16116	7579	-68986	SLE RA 13	-508.5	Si
554	27198	-3598	-68855	SLE RA 13	-34.4	27198	-3598	-68855	SLE RA 13	-510.5	Si
583	38280	-14776	-68725	SLE RA 13	-35.9	38280	-14776	-68725	SLE RA 13	-525.9	Si
612	49362	-25953	-68594	SLE RA 13	-37.4	49362	-25953	-68594	SLE RA 13	-541.4	Si
641	60444	-37131	-68464	SLE RA 13	-38.8	60444	-37131	-68464	SLE RA 13	-556.8	Si
670	71526	-48308	-68333	SLE RA 13	-40.3	71526	-48308	-68333	SLE RA 13	-572.2	Si
690	-44321	52051	-49282	SLE RA 13	-30.3	-44321	52051	-49282	SLE RA 13	-423.7	Si
719	-31387	42458	-49154	SLE RA 13	-28.8	-31387	42458	-49154	SLE RA 13	-406.7	Si
748	-18227	32697	-49023	SLE RA 13	-27.2	-18227	32697	-49023	SLE RA 13	-389.5	Si
777	-5066	22935	-48893	SLE RA 13	-25.6	-5066	22935	-48893	SLE RA 13	-372.2	Si
806	8095	13174	-48762	SLE RA 13	-24.8	8095	13174	-48762	SLE RA 13	-364.4	Si
835	21256	3412	-48632	SLE RA 13	-24.5	21256	3412	-48632	SLE RA 13	-362.5	Si
864	34417	-6349	-48501	SLE RA 13	-25.3	34417	-6349	-48501	SLE RA 13	-371.9	Si
893	47577	-16110	-48371	SLE RA 13	-26.7	47577	-16110	-48371	SLE RA 13	-387.3	Si
922	60738	-25872	-48240	SLE RA 13	-28.2	60738	-25872	-48240	SLE RA 13	-402.7	Si
951	73899	-35633	-48110	SLE RA 13	-29.7	73899	-35633	-48110	SLE RA 13	-418.1	Si
980	86833	-45226	-47982	SLE RA 13	-31.1	86833	-45226	-47982	SLE RA 13	-433.2	Si
1000	-10467	33959	-29381	SLE RA 13	-17.6	-10467	33959	-29381	SLE RA 13	-245.8	Si
1029	-11654	26868	-29250	SLE RA 13	-16.9	-11654	26868	-29250	SLE RA 13	-239.3	Si
1058	-12842	19778	-29120	SLE RA 13	-16.3	-12842	19778	-29120	SLE RA 13	-232.8	Si
1087	-14030	12687	-28989	SLE RA 13	-15.6	-14030	12687	-28989	SLE RA 13	-226.3	Si
1116	-15217	5596	-28859	SLE RA 13	-15	-15217	5596	-28859	SLE RA 13	-219.8	Si
1145	-16405	-1495	-28728	SLE RA 13	-14.6	-16405	-1495	-28728	SLE RA 13	-216	Si
1174	-17593	-8585	-28598	SLE RA 13	-15.2	-17593	-8585	-28598	SLE RA 13	-222	Si
1203	-18780	-15676	-28467	SLE RA 13	-15.9	-18780	-15676	-28467	SLE RA 13	-228	Si
1232	-19968	-22767	-28337	SLE RA 13	-16.5	-19968	-22767	-28337	SLE RA 13	-234	Si
1261	-21156	-29857	-28206	SLE RA 13	-17.1	-21156	-29857	-28206	SLE RA 13	-238.9	Si
1290	-22323	-36826	-28078	SLE RA 13	-16.2	-22323	-36826	-28078	SLE RA 13	-225.2	Si
1310	68301	24990	-9285	SLE RA 8	-22.2	68301	24990	-9285	SLE RA 8	-255.7	Si
1340	46049	20329	-9217	SLE RA 8	-19.4	46049	20329	-9217	SLE RA 8	-230.7	Si
1370	23797	15668	-9150	SLE RA 8	-15.7	23797	15668	-9150	SLE RA 8	-196.5	Si
1400	1546	11006	-9082	SLE RA 8	-10.8	1546	11006	-9082	SLE RA 8	-148.9	Si
1430	-21731	5875	-9095	SLE RA 9	-13.4	-21731	5875	-9095	SLE RA 9	-174.2	Si
1460	-43301	1380	-9027	SLE RA 9	-16.3	-43301	1380	-9027	SLE RA 9	-201.9	Si
1490	-66506	-5305	-8323	SLE RA 13	-20.5	-64871	-3115	-8960	SLE RA 9	-241.1	Si
1520	-89481	-10307	-8175	SLE RA 12	-25.4	-87461	-7639	-8812	SLE RA 8	-286.1	Si
1550	-112118	-15446	-8108	SLE RA 12	-38	-112118	-15446	-8108	SLE RA 12	-375.3	Si
1580	-134378	-20499	-8041	SLE RA 12	-43.8	-129090	-21862	-7062	SLE RA 10	474.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	123189	-2053	-74199	SLE QP 2	-41.3	Si
-111	114403	-2009	-74069	SLE QP 2	-40.8	Si
-81	105465	-1964	-73936	SLE QP 2	-40.4	Si
-52	96526	-1920	-73804	SLE QP 2	-39.9	Si
-22	87588	-1875	-73671	SLE QP 2	-39.4	Si
7	78650	-1831	-73539	SLE QP 2	-38.9	Si
36	69712	-1786	-73407	SLE QP 2	-38.4	Si
66	60774	-1742	-73274	SLE QP 2	-37.9	Si
95	51836	-1697	-73142	SLE QP 2	-37.4	Si
125	42808	-1652	-73008	SLE QP 2	-36.9	Si
154	33959	-1608	-72877	SLE QP 2	-36.4	Si
184	25021	-1563	-72745	SLE QP 2	-35.9	Si
213	16217	-1519	-72615	SLE QP 2	-35.5	Si
242	7145	-1474	-72480	SLE QP 2	-35	Si
272	-1793	-1430	-72348	SLE QP 2	-34.6	Si
301	-10732	-1385	-72216	SLE QP 2	-35	Si
331	-19670	-1341	-72083	SLE QP 2	-35.4	Si
360	-28456	-1297	-71953	SLE QP 2	-35.7	Si
380	-34621	27279	-57892	SLE QP 2	-31.7	Si
409	-25608	21714	-57762	SLE QP 2	-30.7	Si
438	-16595	16148	-57631	SLE QP 2	-29.7	Si
467	-7583	10582	-57501	SLE QP 2	-28.7	Si
496	1430	5016	-57370	SLE QP 2	-27.8	Si
525	10443	-549	-57240	SLE QP 2	-27.8	Si
554	19456	-6115	-57109	SLE QP 2	-28.7	Si
583	28469	-11681	-56979	SLE QP 2	-29.5	Si
612	37482	-17247	-56848	SLE QP 2	-30.4	Si
641	46495	-22812	-56718	SLE QP 2	-31.3	Si
670	55507	-28378	-56587	SLE QP 2	-32.2	Si
690	-42679	30054	-40546	SLE QP 2	-24.1	Si
719	-31434	24674	-40418	SLE QP 2	-23	Si
748	-19993	19199	-40288	SLE QP 2	-21.9	Si
777	-8551	13724	-40157	SLE QP 2	-20.8	Si
806	2891	8249	-40027	SLE QP 2	-19.9	Si
835	14332	2775	-39896	SLE QP 2	-19.9	Si
864	25774	-2700	-39766	SLE QP 2	-20.4	Si
893	37215	-8175	-39635	SLE QP 2	-21.4	Si
922	48657	-13650	-39505	SLE QP 2	-22.4	Si
951	60099	-19124	-39374	SLE QP 2	-23.3	Si
980	71343	-24505	-39246	SLE QP 2	-24.3	Si
1000	-16574	17408	-23569	SLE QP 2	-13.6	Si
1029	-16113	13463	-23438	SLE QP 2	-13.1	Si
1058	-15651	9519	-23308	SLE QP 2	-12.7	Si
1087	-15190	5574	-23177	SLE QP 2	-12.3	Si
1116	-14729	1629	-23047	SLE QP 2	-11.8	Si
1145	-14267	-2315	-22916	SLE QP 2	-11.8	Si
1174	-13806	-6260	-22786	SLE QP 2	-12.1	Si
1203	-13344	-10205	-22655	SLE QP 2	-12.3	Si
1232	-12883	-14149	-22525	SLE QP 2	-12.6	Si
1261	-12422	-18094	-22394	SLE QP 2	-12.8	Si
1290	-11968	-21971	-22266	SLE QP 2	-12	Si
1310	57223	20569	-6871	SLE QP 2	-17.9	Si
1340	38579	16431	-6803	SLE QP 2	-15.3	Si
1370	19936	12293	-6736	SLE QP 2	-12.1	Si
1400	1293	8154	-6668	SLE QP 2	-8	Si
1430	-17350	4016	-6601	SLE QP 2	-9.9	Si
1460	-35994	-122	-6533	SLE QP 2	-12.4	Si
1490	-54637	-4260	-6466	SLE QP 2	-16.5	Si
1520	-73280	-8399	-6398	SLE QP 2	-20.5	Si
1550	-91923	-12537	-6331	SLE QP 2	-24.5	Si
1580	-110256	-16606	-6264	SLE QP 2	-35.9	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

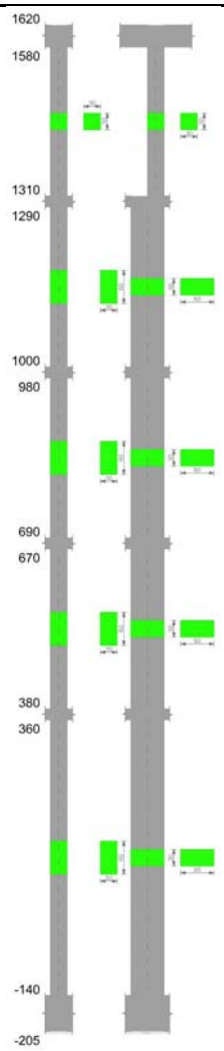
Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 1600 in quanto elemento di estremità superiore alla pilastrata.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.

Pilastro 18

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60	No	No	No	No		C30/37	B450C	
380	670	R 30x60	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x60	No	No	No	No		C30/37	B450C	
1310	1580	R 30x30 1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.4	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.5	-9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.7	9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.7	-9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.8	-9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.8	-9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.8	9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.8	9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.7	-9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.7	9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.9	-9.67	5.33	1.6	2.011	1310	1620	R 30x30_1	B450C
p.9	9.67	5.33	1.6	2.011	1310	1620	R 30x30_1	B450C
p.9	9.67	24.67	1.6	2.011	1310	1620	R 30x30_1	B450C
p.9	-9.67	24.67	1.6	2.011	1310	1620	R 30x30_1	B450C
p.10	-9.9	15	1.6	2.011	1310	1620	R 30x30_1	B450C
p.11	9.9	15	1.6	2.011	1310	1620	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	356675	-356675	-131493	818158	-818158	SLU 52	2.294	Si
-111	20.11	2.2	0	1,2	356217	-356217	-131324	818158	-818158	SLU 52	2.297	Si
-81	20.11	1.1	0	2	355750	-355750	-131152	818158	-818158	SLU 52	2.3	Si
-52	20.11	1.1	0	2	355283	-355283	-130980	818158	-818158	SLU 52	2.303	Si
-22	20.11	1.1	0	2	354816	-354816	-130808	818158	-818158	SLU 52	2.306	Si
7	20.11	1.1	0	2	354350	-354350	-130636	818158	-818158	SLU 52	2.309	Si
36	20.11	1.1	0	2	353883	-353883	-130464	818158	-818158	SLU 52	2.312	Si
66	20.11	1.1	0	2	353416	-353416	-130292	818158	-818158	SLU 52	2.315	Si
95	20.11	1.1	0	2	352950	-352950	-130120	818158	-818158	SLU 52	2.318	Si
125	20.11	1.1	0	2	352478	352478	-129946	818158	818158	SLU 52	2.321	Si
154	20.11	1.1	0	2	352016	352016	-129776	818158	818158	SLU 52	2.324	Si
184	20.11	1.1	0	2	351549	351549	-129603	818158	818158	SLU 52	2.327	Si
213	20.11	1.1	0	2	351090	351090	-129434	818158	818158	SLU 52	2.33	Si
242	20.11	1.1	0	2	350616	350616	-129259	818158	818158	SLU 52	2.333	Si
272	20.11	1.1	0	2	350149	350149	-129087	818158	818158	SLU 52	2.337	Si
301	20.11	1.1	0	2	-349683	349683	-128915	-818158	818158	SLU 52	2.34	Si
331	20.11	1.1	0	2	-349216	349216	-128743	-818158	818158	SLU 52	2.343	Si
360	20.11	1.1	0	2	-348757	348757	-128574	-818158	818158	SLU 52	2.346	Si
380	20.11	2.2	0	2,3	199835	-199835	-99918	647491	-647491	SLU 52	3.24	Si
409	20.11	2.2	0	2,3	199496	-199496	-99748	647491	-647491	SLU 52	3.246	Si
438	20.11	1.1	0	3	199157	-199157	-99578	647491	-647491	SLU 52	3.251	Si
467	20.11	1.1	0	3	198818	-198818	-99409	647491	-647491	SLU 52	3.257	Si
496	20.11	1.1	0	3	198478	-198478	-99239	647491	-647491	SLU 52	3.262	Si
525	20.11	1.1	0	3	198139	198139	-99069	647491	647491	SLU 52	3.268	Si
554	20.11	1.1	0	3	197800	197800	-98900	647491	647491	SLU 52	3.273	Si
583	20.11	1.1	0	3	197460	197460	-98730	647491	647491	SLU 52	3.279	Si
612	20.11	1.1	0	3	197121	197121	-98561	647491	647491	SLU 52	3.285	Si
641	20.11	1.1	0	3	196782	196782	-98391	647491	647491	SLU 52	3.29	Si
670	20.11	1.1	0	3	196442	196442	-98221	647491	647491	SLU 52	3.296	Si
690	20.11	2.2	0	3,4	140249	-140249	-70125	647491	-647491	SLU 52	4.617	Si
719	20.11	2.2	0	3,4	139916	-139916	-69958	647491	-647491	SLU 52	4.628	Si
748	20.11	1.1	0	4	139577	-139577	-69788	647491	-647491	SLU 52	4.639	Si
777	20.11	1.1	0	4	139237	-139237	-69619	647491	-647491	SLU 52	4.65	Si
806	20.11	1.1	0	4	138898	-138898	-69449	647491	-647491	SLU 52	4.662	Si
835	20.11	1.1	0	4	138559	-138559	-69279	647491	-647491	SLU 52	4.673	Si
864	20.11	1.1	0	4	138219	138219	-69110	647491	647491	SLU 52	4.685	Si
893	20.11	1.1	0	4	137880	137880	-68940	647491	647491	SLU 52	4.696	Si
922	20.11	1.1	0	4	137541	137541	-68770	647491	647491	SLU 52	4.708	Si
951	20.11	1.1	0	4	137202	137202	-68601	647491	647491	SLU 52	4.719	Si
980	20.11	1.1	0	4	136862	136862	-68431	647491	647491	SLU 52	4.731	Si
1000	20.11	2.2	0	4,5,7,8	97688	-82890	-41445	757497	-642750	SLU 52	7.754	Si
1029	20.11	2.2	0	4,5,7,8	82557	-82557	-41278	647491	-647491	SLU 52	7.843	Si
1058	20.11	1.1	0	5,7,8	82217	-82217	-41109	647491	-647491	SLU 52	7.875	Si
1087	20.11	1.1	0	5,7,8	-81878	-81878	-40939	-647491	-647491	SLU 52	7.908	Si
1116	20.11	1.1	0	5,7,8	-81539	-81539	-40769	-647491	-647491	SLU 52	7.941	Si
1145	20.11	1.1	0	5,7,8	-86231	-81200	-40600	-685888	-645871	SLU 52	7.954	Si
1174	20.11	1.1	0	5,7,8	-123142	-80860	-40430	-961855	-631596	SLU 52	7.811	Si
1203	20.11	1.1	0	5,7,8	-160053	80521	-40260	-1217514	612520	SLU 52	7.607	Si
1232	20.11	1.1	0	5,7,8	-196964	80182	-40091	-1455517	592524	SLU 52	7.39	Si
1261	20.5	1.8	0	5,6,7,8	-233875	79842	-39921	-1681979	574210	SLU 52	7.192	Si
1290	31.04	2.5	0	5,6,7,8	-270149	79509	-39754	-2081096	612497	SLU 52	7.704	Si
1310	20.11	3.6	0	6,7,9,10,11	-72883	31345	-13528	-767253	329977	SLU 51	10.527	Si
1340	15.34	3.6	0	6,7,9,10,11	-45307	28369	-14185	-498166	311931	SLU 47	10.995	Si
1370	12.06	1.3	0	9,10,11	-28359	28359	-14179	-316346	316346	SLU 48	11.155	Si
1400	12.06	1.3	0	9,10,11	28183	28183	-14092	316346	316346	SLU 48	11.225	Si
1430	12.06	1.3	0	9,10,11	28008	-28008	-14004	316346	-316346	SLU 48	11.295	Si
1460	12.06	1.3	0	9,10,11	51194	-27832	-13916	514870	-279915	SLU 48	10.057	Si
1490	12.06	1.3	0	9,10,11	80934	-27303	-13084	706508	-238336	SLU 52	8.729	Si
1520	12.06	1.3	0	9,10,11	106386	-36845	-12996	769986	-266674	SLU 52	7.238	Si
1550	12.06	1.3	0	9,10,11	131838	-46388	-12908	799403	-281275	SLU 52	6.064	Si
1580	14.29	2.2	0	9,10,11	157290	-55931	-12820	862963	-306861	SLU 52	5.486	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	1066535	220415	-69576	-2.02	1.92	2209599	456645	SLV 5	2.072				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-111	20.11	2.2	0	1,2	-809535	-260730	-87339	-2.02	1.92	-1790442	-576655	SLV 11	2.212				Si
-81	20.11	1.1	0	2	-740044	-232044	-87207	-2.02	1.92	-1740784	-545831	SLV 11	2.352				Si
-52	20.11	1.1	0	2	-670581	-203377	-87074	-2.02	1.92	-1677115	-508645	SLV 11	2.501				Si
-22	20.11	1.1	0	2	-601155	-174740	-86942	-2.02	1.92	-1597196	-464264	SLV 11	2.657				Si
7	20.11	1.1	0	2	-531779	-146146	-86810	-2.02	1.92	-1500312	-412323	SLV 11	2.821				Si
36	20.11	1.1	0	2	-462475	-117623	-86677	-2.02	1.92	-1385563	-352395	SLV 11	2.996				Si
66	20.11	1.1	0	2	-393289	-57770	-86545	-2.02	1.92	-1289044	-189347	SLV 11	3.278				Si
95	20.11	1.1	0	2	-324285	17066	-86413	-2.02	1.92	-1148394	60436	SLV 11	3.541				Si
125	20.11	1.1	0	2	-254909	17188	-86279	-2.02	1.92	-945200	63733	SLV 11	3.708				Si
154	20.11	1.1	0	2	-122923	947	-87859	-2.02	1.92	-460678	3551	SLV 15	3.748				Si
184	20.11	1.1	0	2	-81583	39772	-87727	-2.02	1.92	-306211	149280	SLV 15	3.753				Si
213	20.11	1.1	0	2	-46381	76018	-87597	-2.02	1.92	-174343	285746	SLV 15	3.759				Si
242	20.11	1.1	0	2	-16100	116195	-87462	-2.02	1.92	-60612	437439	SLV 15	3.765				Si
272	20.11	1.1	0	2	-19740	156133	-87330	-2.02	1.92	-70922	560940	SLV 15	3.593				Si
301	20.11	1.1	0	2	-35074	196205	-87198	-2.02	1.92	-119508	668529	SLV 15	3.407				Si
331	20.11	1.1	0	2	-52119	236342	-87065	-2.02	1.92	-168746	765205	SLV 15	3.238				Si
360	20.11	1.1	0	2	-69346	275829	-86935	-2.02	1.92	-214004	851214	SLV 15	3.086				Si
380	20.11	2.2	0	2,3	-210031	-422429	-65794	-2.02	1.92	-589703	-1186054	SLV 15	2.808				Si
409	20.11	2.2	0	2,3	-167358	-340321	-65663	-2.02	1.92	-539351	-1096764	SLV 15	3.223				Si
438	20.11	1.1	0	3	-125767	-258263	-65533	-2.02	1.92	-463251	-951289	SLV 15	3.683				Si
467	20.11	1.1	0	3	-86830	-176328	-65402	-2.02	1.92	-365107	-741433	SLV 15	4.205				Si
496	20.11	1.1	0	3	-56322	-94876	-65272	-2.02	1.92	-273399	-460547	SLV 15	4.854				Si
525	20.11	1.1	0	3	-20013	-15340	-65141	-2.02	1.92	-101158	-77541	SLV 15	5.055				Si
554	20.11	1.1	0	3	50355	72915	-65011	-2.02	1.92	255044	369305	SLV 15	5.065				Si
583	20.11	1.1	0	3	117036	154041	-64880	-2.02	1.92	501663	660279	SLV 15	4.286				Si
612	20.11	1.1	0	3	158007	235923	-64750	-2.02	1.92	593154	885647	SLV 15	3.754				Si
641	20.11	1.1	0	3	200404	317963	-64619	-2.02	1.92	658532	1044835	SLV 15	3.286				Si
670	20.11	1.1	0	3	243467	400063	-64489	-2.02	1.92	696383	1144291	SLV 15	2.86				Si
690	20.11	2.2	0	3,4	70872	-358841	-43980	-2.02	1.92	266979	-1351780	SLV 15	3.767				Si
719	20.11	2.2	0	3,4	62155	-287291	-43851	-2.02	1.92	274765	-1270020	SLV 15	4.421				Si
748	20.11	1.1	0	4	53794	-214559	-43721	-2.02	1.92	279380	-1114318	SLV 15	5.194				Si
777	20.11	1.1	0	4	46528	-142018	-43590	-2.02	1.92	281621	-859599	SLV 15	6.053				Si
806	20.11	1.1	0	4	93258	-54604	-42651	-2.02	1.92	662434	-387865	SLV 13	7.103				Si
835	20.11	1.1	0	4	50054	10314	-43329	-2.02	1.92	380375	78377	SLV 15	7.599				Si
864	20.11	1.1	0	4	92528	79706	-43199	-2.02	1.92	616723	531265	SLV 15	6.665				Si
893	20.11	1.1	0	4	129892	151669	-43068	-2.02	1.92	725052	846613	SLV 15	5.582				Si
922	20.11	1.1	0	4	173334	224261	-42938	-2.02	1.92	805507	1042172	SLV 15	4.647				Si
951	20.11	1.1	0	4	218905	297011	-42807	-2.02	1.92	839835	1139490	SLV 15	3.837				Si
980	20.11	1.1	0	4	265422	369825	-42677	-2.02	1.92	843586	1175409	SLV 15	3.178				Si
1000	20.11	2.2	0	4,5,7,8	105317	-332191	-23959	-2.02	1.92	426989	-1346812	SLV 15	4.054				Si
1029	20.11	2.2	0	4,5,7,8	72884	-266591	-23831	-2.02	1.92	373346	-1365606	SLV 15	5.122				Si
1058	20.11	1.1	0	5,7,8	40344	-200007	-23701	-2.02	1.92	274031	-1358529	SLV 15	6.792				Si
1087	20.11	1.1	0	5,7,8	9417	-133857	-23570	-2.02	1.92	86729	-1232830	SLV 15	9.21				Si
1116	20.11	1.1	0	5,7,8	-71031	34086	-25198	-2.02	1.92	-822891	394888	SLV 5	11.585				Si
1145	20.11	1.1	0	5,7,8	-163078	17064	-25843	-2.02	1.92	-1645255	172150	SLV 9	10.089				Si
1174	20.11	1.1	0	5,7,8	-272995	53820	-25713	-2.02	1.92	-2061128	406341	SLV 9	7.55				Si
1203	20.11	1.1	0	5,7,8	-379983	98461	-25582	-2.02	1.92	-2086999	540785	SLV 9	5.492				Si
1232	20.11	1.1	0	5,7,8	-363597	152955	-24505	-2.02	1.92	-1762886	741597	SLV 13	4.848				Si
1261	20.5	1.8	0	5,6,7,8	-443079	203897	-24374	-2.02	1.92	-1676229	771371	SLV 13	3.783				Si
1290	31.04	2.5	0	5,6,7,8	-521352	254000	-24246	-2.02	1.92	-1808700	881190	SLV 13	3.469				Si
1310	20.11	3.6	0	6,7,9,10,11	-234115	-60456	-10094	-2.02	1.92	-799431	-206438	SLV 1	3.415				Si
1340	15.34	3.6	0	6,7,9,10,11	-138766	78080	-9268	-2.02	1.92	-559168	314628	SLV 3	4.03				Si
1370	12.06	1.3	0	9,10,11	-91185	60121	-9201	-2.02	1.92	-501291	330516	SLV 3	5.497				Si
1400	12.06	1.3	0	9,10,11	-40411	63905	-6858	-2.02	1.92	-313146	495208	SLV 7	7.749				Si
1430	12.06	1.3	0	9,10,11	31506	-60868	-8127	-2.02	1.92	273032	-527489	SLV 9	8.666				Si
1460	12.06	1.3	0	9,10,11	36817	-69229	-8059	-2.02	1.92	278916	-524462	SLV 9	7.576				Si
1490	12.06	1.3	0	9,10,11	95472	-68034	-9184	-2.02	1.92	483014	-344199	SLV 5	5.059				Si
1520	12.06	1.3	0	9,10,11	139735	-84614	-9116	-2.02	1.92	504703	-305612	SLV 5	3.612				Si
1550	12.06	1.3	0	9,10,11	184196	-103151	-9049	-2.02	1.92	512181	-286825	SLV 5	2.781				Si
1580	14.29	2.2	0	9,10,11	228726	-122814	-8981	-2.02	1.92	557708	-299459	SLV 5	2.438				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	-288454	-134385	-82020	-969634	-451735	SLD 11	3.361	Si
-111	20.11	2.2	0	1,2	-265564	-120649	-81889	-918207	-417153	SLD 11	3.458	Si
-81	20.11	1.1	0	2	-242290	-106681	-81757	-862814	-379899	SLD 11	3.561	Si
-52	20.11	1.1	0	2	-219031	-92721	-81625	-804018	-340359	SLD 11	3.671	Si
-22	20.11	1.1	0	2	-195794	-78773	-81492	-741501	-298325	SLD 11	3.787	Si
7	20.11	1.1	0	2	-172586	-64843	-81360	-674975	-253599	SLD 11	3.911	Si
36	20.11	1.1	0	2	-84894	-70489	-81891	-341345	-283426	SLD 15	4.021	Si
66	20.11	1.1	0	2	-71666	-48339	-81758	-288624	-194680	SLD 15	4.027	Si
95	20.11	1.1	0	2	-58525	-24472	-81626	-236084	-98719	SLD 15	4.034	Si
125	20.11	1.1	0	2	-45405	-9319	-81492	-183458	-37653	SLD 15	4.04	Si
154	20.11	1.1	0	2	-32900	6391	-81361	-133147	25866	SLD 15	4.047	Si
184	20.11	1.1	0	2	-21170	24714	-81229	-85816	100182	SLD 15	4.054	Si
213	20.11	1.1	0	2	-12493	41547	-81099	-50723	168684	SLD 15	4.06	Si
242	20.11	1.1	0	2	-4773	60072	-80964	-19412	244303	SLD 15	4.067	Si
272	20.11	1.1	0	2	-10435	78478	-80832	-42508	319682	SLD 15	4.074	Si
301	20.11	1.1	0	2	-20773	96944	-80700	-84758	395550	SLD 15	4.08	Si
331	20.11	1.1	0	2	-31756	115438	-80567	-127696	464200	SLD 15	4.021	Si
360	20.11	1.1	0	2	-42745	133632	-80437	-167034	522197	SLD 15	3.908	Si
380	20.11	2.2	0	2,3	-81119	-196047	-61772	-346045	-836313	SLD 15	4.266	Si
409	20.11	2.2	0	2,3	-64863	-158117	-61641	-295974	-721504	SLD 15	4.563	Si
438	20.11	1.1	0	3	-49224	-120217	-61511	-241326	-589375	SLD 15	4.903	Si
467	20.11	1.1	0	3	-35010	-82392	-61380	-185224	-435899	SLD 15	5.291	Si
496	20.11	1.1	0	3	-24633	-44857	-61250	-132423	-241144	SLD 15	5.376	Si
525	20.11	1.1	0	3	-8564	-8278	-61119	-46138	-44596	SLD 15	5.387	Si
554	20.11	1.1	0	3	22788	33127	-60989	123029	178849	SLD 15	5.399	Si
583	20.11	1.1	0	3	49564	70488	-60858	266887	379558	SLD 15	5.385	Si
612	20.11	1.1	0	3	64908	108284	-60728	324418	541218	SLD 15	4.998	Si
641	20.11	1.1	0	3	81027	146174	-60597	377494	681002	SLD 15	4.659	Si
670	20.11	1.1	0	3	97525	184099	-60467	425355	802949	SLD 15	4.362	Si
690	20.11	2.2	0	3,4	39558	-160154	-42190	236943	-959277	SLD 15	5.99	Si
719	20.11	2.2	0	3,4	36434	-128466	-42062	234409	-826520	SLD 15	6.434	Si
748	20.11	1.1	0	4	33494	-96265	-41931	232841	-669206	SLD 15	6.952	Si
777	20.11	1.1	0	4	31035	-64179	-41801	234399	-484729	SLD 15	7.553	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
806	20.11	1.1	0	4	29589	-32605	-41670	233809	-257638	SLD 15	7.902	Si
835	20.11	1.1	0	4	33517	3999	-41540	265679	31701	SLD 15	7.927	Si
864	20.11	1.1	0	4	51290	34546	-41409	407844	274694	SLD 15	7.952	Si
893	20.11	1.1	0	4	64873	66283	-41279	474911	485226	SLD 15	7.321	Si
922	20.11	1.1	0	4	81402	98397	-41148	545489	659377	SLD 15	6.701	Si
951	20.11	1.1	0	4	99056	130607	-41018	610939	805529	SLD 15	6.168	Si
980	20.11	1.1	0	4	117228	162855	-40887	666381	925750	SLD 15	5.684	Si
1000	20.11	2.2	0	4,5,7,8	144979	-115653	-24303	1148667	-916322	SLD 13	7.923	Si
1029	20.11	2.2	0	4,5,7,8	102165	-93703	-24175	940857	-862928	SLD 13	9.209	Si
1058	20.11	1.1	0	5,7,8	59151	-71398	-24044	632822	-763847	SLD 13	10.698	Si
1087	20.11	1.1	0	5,7,8	-450	-61335	-23283	-5600	-763467	SLD 15	12.447	Si
1116	20.11	1.1	0	5,7,8	-40248	-4514	-24149	-548765	-61553	SLD 9	13.635	Si
1145	20.11	1.1	0	5,7,8	-94538	3735	-24019	-1196048	47248	SLD 9	12.652	Si
1174	20.11	1.1	0	5,7,8	-149582	20170	-23888	-1616511	217972	SLD 9	10.807	Si
1203	20.11	1.1	0	5,7,8	-203900	39901	-23758	-1885314	368934	SLD 9	9.246	Si
1232	20.11	1.1	0	5,7,8	-210240	63497	-23261	-1799645	543529	SLD 13	8.56	Si
1261	20.5	1.8	0	5,6,7,8	-254061	85804	-23131	-1865073	629890	SLD 13	7.341	Si
1290	31.04	2.5	0	5,6,7,8	-297218	107756	-23002	-2042852	740630	SLD 13	6.873	Si
1310	20.11	3.6	0	6,7,9,10,11	-121578	-19770	-8686	-836168	-135971	SLD 1	6.878	Si
1340	15.34	3.6	0	6,7,9,10,11	-74078	43912	-8313	-560693	332364	SLD 3	7.569	Si
1370	12.06	1.3	0	9,10,11	-45801	31573	-8245	-477215	328968	SLD 3	10.419	Si
1400	12.06	1.3	0	9,10,11	-23980	20276	-8178	-351506	297212	SLD 3	14.658	Si
1430	12.06	1.3	0	9,10,11	23117	-26893	-7727	326715	-380077	SLD 9	14.133	Si
1460	12.06	1.3	0	9,10,11	39830	-27722	-8142	460722	-320661	SLD 5	11.567	Si
1490	12.06	1.3	0	9,10,11	66047	-37336	-8074	533531	-301605	SLD 5	8.078	Si
1520	12.06	1.3	0	9,10,11	92854	-48757	-8007	543357	-285314	SLD 5	5.852	Si
1550	12.06	1.3	0	9,10,11	119761	-61089	-7939	540732	-275822	SLD 5	4.515	Si
1580	14.29	2.2	0	9,10,11	146703	-73893	-7872	577209	-290735	SLD 5	3.935	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	850	-123055	SLU 46	15366	51792	52691	2.35	60.9	-401	-131102	SLU 51	15029	48385	55356	2.5	120.52	Si
-111	5X/2Y Ø8/10	850	-122886	SLU 46	15366	51792	52691	2.35	60.9	-401	-130933	SLU 51	15029	48385	55356	2.5	120.52	Si
-81	5X/2Y Ø8/10	850	-122714	SLU 46	15366	51792	52691	2.35	60.9	-401	-130761	SLU 51	15029	48385	55356	2.5	120.52	Si
-52	5X/2Y Ø8/10	850	-122542	SLU 46	15366	51792	52691	2.35	60.9	-401	-130589	SLU 51	15029	48385	55356	2.5	120.52	Si
-22	5X/2Y Ø8/15	850	-122370	SLU 46	15366	36732	50429	2.5	43.19	-401	-130417	SLU 51	15029	32257	55356	2.5	80.35	Si
7	5X/2Y Ø8/15	850	-122197	SLU 46	15366	36732	50429	2.5	43.19	-401	-130245	SLU 51	15029	32257	55356	2.5	80.35	Si
36	5X/2Y Ø8/15	850	-122025	SLU 46	15366	36732	50429	2.5	43.19	-401	-130073	SLU 51	15029	32257	55356	2.5	80.35	Si
66	5X/2Y Ø8/15	850	-121853	SLU 46	15366	36732	50429	2.5	43.19	-401	-129901	SLU 51	15029	32257	55356	2.5	80.35	Si
95	5X/2Y Ø8/15	850	-121681	SLU 46	15366	36732	50429	2.5	43.19	-401	-129729	SLU 51	15029	32257	55356	2.5	80.35	Si
125	5X/2Y Ø8/15	850	-121508	SLU 46	15366	36732	50429	2.5	43.19	-401	-129555	SLU 51	15029	32257	55356	2.5	80.35	Si
154	5X/2Y Ø8/15	850	-121337	SLU 46	15366	36732	50429	2.5	43.19	-401	-129385	SLU 51	15029	32257	55356	2.5	80.35	Si
184	5X/2Y Ø8/15	850	-121165	SLU 46	15366	36732	50429	2.5	43.19	-401	-129213	SLU 51	15029	32257	55356	2.5	80.35	Si
213	5X/2Y Ø8/15	850	-120996	SLU 46	15366	36732	50429	2.5	43.19	-401	-129043	SLU 51	15029	32257	55356	2.5	80.35	Si
242	5X/2Y Ø8/10	850	-120821	SLU 46	15366	51792	52691	2.35	60.9	-401	-128868	SLU 51	15029	48385	55356	2.5	120.52	Si
272	5X/2Y Ø8/10	850	-120649	SLU 46	15366	51792	52691	2.35	60.9	-401	-128696	SLU 51	15029	48385	55356	2.5	120.52	Si
301	5X/2Y Ø8/10	850	-120477	SLU 46	15366	51792	52691	2.35	60.9	-401	-128524	SLU 51	15029	48385	55356	2.5	120.52	Si
331	5X/2Y Ø8/10	850	-120305	SLU 46	15366	51792	52691	2.35	60.9	-401	-128352	SLU 51	15029	48385	55356	2.5	120.52	Si
360	5X/2Y Ø8/10	850	-120136	SLU 46	15366	51792	52691	2.35	60.9	-401	-128183	SLU 51	15029	48385	55356	2.5	120.52	Si
380	5X/2Y Ø8/10	701	-99776	SLU 51	15366	51792	52691	2.35	73.88	-143	-75698	SLU 32	15029	48385	54987	2.5	338.1	Si
409	5X/2Y Ø8/10	701	-99607	SLU 51	15366	51792	52691	2.35	73.88	-143	-75528	SLU 32	15029	48385	54963	2.5	338.1	Si
438	5X/2Y Ø8/10	701	-99437	SLU 51	15366	51792	52691	2.35	73.88	-143	-75359	SLU 32	15029	48385	54939	2.5	338.1	Si
467	5X/2Y Ø8/14.4	701	-99267	SLU 51	15366	38145	50429	2.5	54.41	-143	-75189	SLU 32	15029	33497	54915	2.5	234.07	Si
496	5X/2Y Ø8/14.4	701	-99098	SLU 51	15366	38145	50429	2.5	54.41	-143	-75019	SLU 32	15029	33497	54891	2.5	234.07	Si
525	5X/2Y Ø8/14.4	701	-98928	SLU 51	15366	38145	50429	2.5	54.41	-143	-74850	SLU 32	15029	33497	54867	2.5	234.07	Si
554	5X/2Y Ø8/14.4	701	-98759	SLU 51	15366	38145	50429	2.5	54.41	-143	-74680	SLU 32	15029	33497	54843	2.5	234.07	Si
583	5X/2Y Ø8/14.4	701	-98589	SLU 51	15366	38145	50429	2.5	54.41	-143	-74511	SLU 32	15029	33497	54819	2.5	234.07	Si
612	5X/2Y Ø8/10	701	-98419	SLU 51	15366	51792	52691	2.35	73.88	-143	-74341	SLU 32	15029	48385	54795	2.5	338.1	Si
641	5X/2Y Ø8/10	701	-98250	SLU 51	15366	51792	52691	2.35	73.88	-143	-74171	SLU 32	15029	48385	54771	2.5	338.1	Si
670	5X/2Y Ø8/10	701	-98080	SLU 51	15366	51792	52691	2.35	73.88	-143	-74002	SLU 32	15029	48385	54747	2.5	338.1	Si
690	5X/2Y Ø8/10	499	-70037	SLU 51	15366	50690	52346	2.3	101.61	-134	-58349	SLU 37	14441	48385	52534	2.5	361.45	Si
719	5X/2Y Ø8/10	499	-69870	SLU 51	15366	50690	52323	2.3	101.61	-134	-58183	SLU 37	14418	48385	52511	2.5	361.45	Si
748	5X/2Y Ø8/10	499	-69701	SLU 51	15366	50690	52300	2.3	101.61	-134	-58013	SLU 37	14395	48385	52487	2.5	361.45	Si
777	5X/2Y Ø8/14.4	499	-69531	SLU 51	15366	38145	49299	2.5	76.47	-134	-57843	SLU 37	14372	33497	52463	2.5	250.23	Si
806	5X/2Y Ø8/14.4	499	-69362	SLU 51	15366	38145	49277	2.5	76.47	-134	-57674	SLU 37	14349	33497	52439	2.5	250.23	Si
835	5X/2Y Ø8/14.4	499	-69192	SLU 51	15366	38145	49255	2.5	76.47	-134	-57504	SLU 37	14326	33497	52415	2.5	250.23	Si
864	5X/2Y Ø8/14.4	499	-69022	SLU 51	15366	38145	49233	2.5	76.47	-134	-57334	SLU 37	14303	33497	52391	2.5	250.23	Si
893	5X/2Y Ø8/14.4	499	-68853	SLU 51	15366	38145	49211	2.5	76.47	-134	-57165	SLU 37	14279	33497	52367	2.5	250.23	Si
922	5X/2Y Ø8/10	499	-68683	SLU 51	15366	50690	52161	2.3	101.61	-134	-56995	SLU 37	14256	48385	52343	2.5	361.45	Si
951	5X/2Y Ø8/10	499	-68513	SLU 51	15366	50690	52138	2.3	101.61	-134	-56825	SLU 37	14233	48385	52319	2.5	361.45	Si
980	5X/2Y Ø8/10	499	-68344	SLU 51	15366	50690	52115	2.3	101.61	-134	-56656	SLU 37	14210	48385	52295	2.5	361.45	Si
1000	5X/2Y Ø8/10	325	-39759	SLU 49	12516	48486	49668	2.2	149.02	-1273	-41445	SLU 52	12131	48385	50145	2.5	38.01	Si
1029	5X/2Y Ø8/10	325	-39592	SLU 49	12496	48486	49644	2.2	149.02	-1273	-41278	SLU 52	12108	48385	50121	2.5	38.01	Si
1058	5X/2Y Ø8/10	325	-39422	SLU 49	12475	48486	49621	2.2	149.02	-1273	-41109	SLU 52	12085	48385	50097	2.5	38.01	Si
1087	5X/2Y Ø8/14.4	325	-39253	SLU 49	12453	38145	45399	2.5	117.24	-1273	-40939	SLU 52	12062	33497	50073	2.5	26.32	Si
1116	5X/2Y Ø8/14.4	325	-39083	SLU 49	12432	38145	45377	2.5	117.24	-1273	-40769	SLU 52	12039	33497	50049	2.5	26.32	Si
1145	5X/2Y Ø8/14.4	325	-38913	SLU 49	12411	38145	45355	2.5	117.24	-1273	-40600	SLU 52	12016	33497	50025	2.5	26.32	Si
1174	5X/2Y Ø8/14.4	325	-38744	SLU 49	12390	38145	45333	2.5	117.24	-1273	-40430	SLU 52	11992	33497	50001	2.5	26.32	Si
1203	5X/2Y Ø8/14.4	325	-38574	SLU 49	12369	38145	45311	2.5	117.24	-1273	-40260	SLU 52	11969	33497	49977	2.5	26.32	Si
1232	5X/2Y Ø8/10	325	-38404	SLU 49	12348	48486	49477	2.2	149.02	-1273	-40091	SLU 52	11946	48385	49953	2.5	38.01	Si
1261	5X/2Y Ø8/10	325	-38235	SLU 49	12327	48486	49454	2.2	149.02	-1273	-39921	SLU 52	11923	48385	49929	2.5	38.01	Si
1290	5X/2Y Ø8/10	325	-38068	SLU 49	12306	48486	49430	2.2	149.02	-1273	-39754	SLU 52	11900	48385	49905	2.5	38.01	Si
1310	2X/2Y Ø8/10	-324	-12124	SLU 49	5255	21395	21844	2.45	65.94	852	-13528	SLU 51	5467	21598	22235	2.45	25.36	Si
1340	2X/2Y Ø8/10	-324	-12036	SLU 49	5245	21395	21832	2.45	65.94	852	-13440	SLU 51	5457	21598	22223	2.45	25.36	Si
1370	2X/2Y Ø8/10	-324	-11949	SLU 49	5234	21395	21821	2.45	65.94	852	-13352	SLU 51	5446	21598	22212	2.45	25.36	Si
1400	2X/2Y Ø8/14.4	-324	-11861	SLU 49	5223	15114	21495	2.5	46.58	852	-13264	SLU 51	5435	15258	21880	2.5	17.92	Si
1430	2X/2Y Ø8/14.4	-324	-11773	SLU 49	5212	15114	21484	2.5	46.58	852	-13177	SLU 51	5424	15258	21869	2.5	17.92	Si
1460	2X/2Y Ø8/14.4	-324	-11685	SLU 49	5201	15114	21473	2.5	46.58	852	-13089	SLU 51	5413	15258	21857	2.5	17.92	Si
1490	2X/2Y Ø8/14.4	-324	-11598	SLU 49	5191	15114	21462	2.5	46.58	852	-13001	SLU 51	5402	15258	21846	2.5	17.92	Si
1520	2X/2Y Ø8/14.4	-324	-11510	SLU 49	5180	15114	21450	2.5	46.58	852	-12913	SLU 51	5391	15258	21835	2.5	17.92	Si
1550	2X/2Y Ø8/10	-324	-11422	SLU 49	5169	21395	21753	2.45	65.94	852	-12826	SLU 51	5380	21598	22143	2.45	25.36	Si
1580	2X/2Y Ø8/10	-324	-11334	SLU 49	5158	21395	21742	2.45	65.94	852	-12738	SLU 51	5369	21598	22132	2.45	25.36	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	1368	-89181	SLV 15	15366	51792	52691	2.35	37.85	-2841	-74833	SLV 9	15029	48385	54865	2.5	17.03	Si
-111	5X/2Y Ø8/10	1368	-89050	SLV 15	15366	51792	52691	2.35	37.85	-2841	-74703	SLV 9	15029	48385	54846	2.5	17.03	Si
-81	5X/2Y Ø8/10	1368	-88918	SLV 15	15366	51792	52691	2.35	37.85	-2841	-74571	SLV 9	15029	48385	54828	2.5	17.03	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-52	5X/2Y Ø8/10	1368	-88786	SLV 15	15366	51792	52691	2.35	37.85	-2841	-74439	SLV 9	15029	48385	54809	2.5	17.03	Si
-22	5X/2Y Ø8/15	1368	-88653	SLV 15	15366	36732	50429	2.5	26.84	-2841	-74306	SLV 9	15029	32257	54790	2.5	11.35	Si
7	5X/2Y Ø8/15	1368	-88521	SLV 15	15366	36732	50429	2.5	26.84	-2841	-74174	SLV 9	15029	32257	54772	2.5	11.35	Si
36	5X/2Y Ø8/15	1368	-88389	SLV 15	15366	36732	50429	2.5	26.84	-2841	-74042	SLV 9	15029	32257	54753	2.5	11.35	Si
66	5X/2Y Ø8/15	1368	-88256	SLV 15	15366	36732	50429	2.5	26.84	-2841	-73909	SLV 9	15029	32257	54734	2.5	11.35	Si
95	5X/2Y Ø8/15	1368	-88124	SLV 15	15366	36732	50429	2.5	26.84	-2841	-73777	SLV 9	15029	32257	54715	2.5	11.35	Si
125	5X/2Y Ø8/15	1368	-87990	SLV 15	15366	36732	50429	2.5	26.84	-2841	-73643	SLV 9	15029	32257	54697	2.5	11.35	Si
154	5X/2Y Ø8/15	1368	-87859	SLV 15	15366	36732	50429	2.5	26.84	-2841	-73512	SLV 9	15029	32257	54678	2.5	11.35	Si
184	5X/2Y Ø8/15	1368	-87727	SLV 15	15366	36732	50429	2.5	26.84	-2841	-73380	SLV 9	15029	32257	54659	2.5	11.35	Si
213	5X/2Y Ø8/15	1368	-87597	SLV 15	15366	36732	50429	2.5	26.84	-2841	-73249	SLV 9	15029	32257	54641	2.5	11.35	Si
242	5X/2Y Ø8/10	1368	-87462	SLV 15	15366	51792	52691	2.35	37.85	-2841	-73115	SLV 9	15029	48385	54622	2.5	17.03	Si
272	5X/2Y Ø8/10	1368	-87330	SLV 15	15366	51792	52691	2.35	37.85	-2841	-72983	SLV 9	15029	48385	54603	2.5	17.03	Si
301	5X/2Y Ø8/10	1368	-87198	SLV 15	15366	51792	52691	2.35	37.85	-2841	-72850	SLV 9	15029	48385	54585	2.5	17.03	Si
331	5X/2Y Ø8/10	1368	-87065	SLV 15	15366	51792	52691	2.35	37.85	-2841	-72718	SLV 9	15029	48385	54566	2.5	17.03	Si
360	5X/2Y Ø8/10	1368	-86935	SLV 15	15366	51792	52691	2.35	37.85	-2841	-72588	SLV 9	15029	48385	54547	2.5	17.03	Si
380	5X/2Y Ø8/10	2834	-65794	SLV 15	15366	50690	51766	2.3	17.89	-2219	-54091	SLV 5	13859	48385	51932	2.5	21.81	Si
409	5X/2Y Ø8/10	2834	-65663	SLV 15	15366	50690	51749	2.3	17.89	-2219	-53960	SLV 5	13841	48385	51914	2.5	21.81	Si
438	5X/2Y Ø8/10	2834	-65533	SLV 15	15366	50690	51731	2.3	17.89	-2219	-53830	SLV 5	13824	48385	51895	2.5	21.81	Si
467	5X/2Y Ø8/14.4	2834	-65402	SLV 15	15366	38145	48767	2.5	13.46	-2219	-53699	SLV 5	13806	33497	51877	2.5	15.1	Si
496	5X/2Y Ø8/14.4	2834	-65272	SLV 15	15366	38145	48750	2.5	13.46	-2219	-53569	SLV 5	13788	33497	51858	2.5	15.1	Si
525	5X/2Y Ø8/14.4	2834	-65141	SLV 15	15366	38145	48733	2.5	13.46	-2219	-53438	SLV 5	13770	33497	51840	2.5	15.1	Si
554	5X/2Y Ø8/14.4	2834	-65011	SLV 15	15366	38145	48716	2.5	13.46	-2219	-53308	SLV 5	13752	33497	51822	2.5	15.1	Si
583	5X/2Y Ø8/14.4	2834	-64880	SLV 15	15366	38145	48700	2.5	13.46	-2219	-53177	SLV 5	13734	33497	51803	2.5	15.1	Si
612	5X/2Y Ø8/10	2834	-64750	SLV 15	15366	50690	51624	2.3	17.89	-2219	-53047	SLV 5	13717	48385	51785	2.5	21.81	Si
641	5X/2Y Ø8/10	2834	-64619	SLV 15	15366	50690	51606	2.3	17.89	-2219	-52916	SLV 5	13699	48385	51766	2.5	21.81	Si
670	5X/2Y Ø8/10	2834	-64489	SLV 15	15366	50690	51588	2.3	17.89	-2219	-52786	SLV 5	13681	48385	51748	2.5	21.81	Si
690	5X/2Y Ø8/10	2514	-43980	SLV 15	13042	48486	50262	2.2	19.29	2475	-41620	SLV 7	12155	48385	50169	2.5	19.55	Si
719	5X/2Y Ø8/10	2514	-43851	SLV 15	13026	48486	50244	2.2	19.29	2475	-41492	SLV 7	12137	48385	50151	2.5	19.55	Si
748	5X/2Y Ø8/10	2514	-43721	SLV 15	13010	48486	50225	2.2	19.29	2475	-41361	SLV 7	12120	48385	50133	2.5	19.55	Si
777	5X/2Y Ø8/14.4	2514	-43590	SLV 15	12993	38145	45958	2.5	15.17	2475	-41231	SLV 7	12102	33497	50114	2.5	13.54	Si
806	5X/2Y Ø8/14.4	2514	-43460	SLV 15	12977	38145	45941	2.5	15.17	2475	-41100	SLV 7	12084	33497	50096	2.5	13.54	Si
835	5X/2Y Ø8/14.4	2514	-43329	SLV 15	12961	38145	45924	2.5	15.17	2475	-40970	SLV 7	12066	33497	50077	2.5	13.54	Si
864	5X/2Y Ø8/14.4	2514	-43199	SLV 15	12945	38145	45907	2.5	15.17	2475	-40839	SLV 7	12048	33497	50059	2.5	13.54	Si
893	5X/2Y Ø8/14.4	2514	-43068	SLV 15	12928	38145	45890	2.5	15.17	2475	-40709	SLV 7	12030	33497	50040	2.5	13.54	Si
922	5X/2Y Ø8/10	2514	-42938	SLV 15	12912	48486	50115	2.2	19.29	2475	-40578	SLV 7	12013	48385	50022	2.5	19.55	Si
951	5X/2Y Ø8/10	2514	-42807	SLV 15	12896	48486	50097	2.2	19.29	2475	-40448	SLV 7	11995	48385	50004	2.5	19.55	Si
980	5X/2Y Ø8/10	2514	-42677	SLV 15	12880	48486	50079	2.2	19.29	2475	-40317	SLV 7	11977	48385	49985	2.5	19.55	Si
1000	5X/2Y Ø8/10	2310	-23959	SLV 15	10549	47384	48160	2.15	20.51	-3748	-26494	SLV 9	10088	47417	48734	2.45	12.65	Si
1029	5X/2Y Ø8/10	2310	-23831	SLV 15	10533	47384	48142	2.15	20.51	-3748	-26365	SLV 9	10070	47417	48715	2.45	12.65	Si
1058	5X/2Y Ø8/10	2310	-23701	SLV 15	10517	47384	48123	2.15	20.51	-3748	-26235	SLV 9	10052	47417	48697	2.45	12.65	Si
1087	5X/2Y Ø8/14.4	2310	-23570	SLV 15	10501	38145	43379	2.5	16.51	-3748	-26104	SLV 9	10034	33497	47976	2.5	8.94	Si
1116	5X/2Y Ø8/14.4	2310	-23440	SLV 15	10485	38145	43362	2.5	16.51	-3748	-25974	SLV 9	10017	33497	47957	2.5	8.94	Si
1145	5X/2Y Ø8/14.4	2310	-23309	SLV 15	10468	38145	43345	2.5	16.51	-3748	-25843	SLV 9	9999	33497	47939	2.5	8.94	Si
1174	5X/2Y Ø8/14.4	2310	-23179	SLV 15	10452	38145	43329	2.5	16.51	-3748	-25713	SLV 9	9981	33497	47920	2.5	8.94	Si
1203	5X/2Y Ø8/14.4	2310	-23048	SLV 15	10436	38145	43312	2.5	16.51	-3748	-25582	SLV 9	9963	33497	47902	2.5	8.94	Si
1232	5X/2Y Ø8/10	2310	-22918	SLV 15	10420	47384	48011	2.15	20.51	-3748	-25452	SLV 9	9945	47417	48584	2.45	12.65	Si
1261	5X/2Y Ø8/10	2310	-22787	SLV 15	10403	47384	47993	2.15	20.51	-3748	-25321	SLV 9	9927	47417	48566	2.45	12.65	Si
1290	5X/2Y Ø8/10	2310	-22659	SLV 15	10387	47384	47975	2.15	20.51	-3748	-25193	SLV 9	9910	47417	48547	2.45	12.65	Si
1310	2X/2Y Ø8/10	-939	-8397	SLV 9	4796	20959	21676	2.4	22.32	1951	-10094	SLV 1	5040	21598	21786	2.45	11.07	Si
1340	2X/2Y Ø8/10	-939	-8329	SLV 9	4787	20959	21667	2.4	22.32	1951	-10027	SLV 1	5032	21598	21777	2.45	11.07	Si
1370	2X/2Y Ø8/10	-939	-8262	SLV 9	4779	20959	21658	2.4	22.32	1951	-9959	SLV 1	5023	21598	21768	2.45	11.07	Si
1400	2X/2Y Ø8/14.4	-939	-8194	SLV 9	4771	15114	21027	2.5	16.1	1951	-9892	SLV 1	5015	15258	21446	2.5	7.82	Si
1430	2X/2Y Ø8/14.4	-939	-8127	SLV 9	4763	15114	21019	2.5	16.1	1951	-9824	SLV 1	5006	15258	21437	2.5	7.82	Si
1460	2X/2Y Ø8/14.4	-939	-8059	SLV 9	4754	15114	21010	2.5	16.1	1951	-9757	SLV 1	4998	15258	21428	2.5	7.82	Si
1490	2X/2Y Ø8/14.4	-939	-7992	SLV 9	4746	15114	21002	2.5	16.1	1951	-9689	SLV 1	4990	15258	21420	2.5	7.82	Si
1520	2X/2Y Ø8/14.4	-939	-7924	SLV 9	4738	15114	20993	2.5	16.1	1951	-9622	SLV 1	4981	15258	21411	2.5	7.82	Si
1550	2X/2Y Ø8/10	-939	-7857	SLV 9	4729	20959	21605	2.4	22.32	1951	-9554	SLV 1	4973	21598	21715	2.45	11.07	Si
1580	2X/2Y Ø8/10	-939	-7789	SLV 9	4721	20959	21596	2.4	22.32	1951	-9487	SLV 1	4964	21598	21707	2.45	11.07	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	630	-82683	SLD 15	17860	55098	50429	2.5	79.99	-1268	-77077	SLD 9	17001	48385	55182	2.5	38.16	Si
-111	5X/2Y Ø8/10	630	-82553	SLD 15	17844	55098	50429	2.5	79.99	-1268	-76947	SLD 9	16983	48385	55164	2.5	38.16	Si
-81	5X/2Y Ø8/10	630	-82420	SLD 15	17828	55098	50429	2.5	79.99	-1268	-76814	SLD 9	16965	48385	55145	2.5	38.16	Si
-52	5X/2Y Ø8/10	630	-82288	SLD 15	17811	55098	50429	2.5	79.99	-1268	-76682	SLD 9	16947	48385	55126	2.5	38.16	Si
-22	5X/2Y Ø8/15	630	-82155	SLD 15	17795	36732	50429	2.5	58.26	-1268	-76550	SLD 9	16929	32257	55107	2.5	25.44	Si
7	5X/2Y Ø8/15	630	-82023	SLD 15	17778	36732	50429	2.5	58.26	-1268	-76417	SLD 9	16910	32257	55089	2.5	25.44	Si
36	5X/2Y Ø8/15	630	-81891	SLD 15	17762	36732	50429	2.5	58.26	-1268	-76285	SLD 9	16892	32257	55070	2.5	25.44	Si
66	5X/2Y Ø8/15	630	-81758	SLD 15	17745	36732	50429	2.5	58.26	-1268	-76153	SLD 9	16874	32257	55051	2.5	25.44	Si
95	5X/2Y Ø8/15	630	-81626	SLD 15	17729	36732	50429	2.5	58.26	-1268	-76020	SLD 9	16856	32257	55033	2.5	25.44	Si
125	5X/2Y Ø8/15	630	-81492	SLD 15	17712	36732	50429	2.5	58.26	-1268	-75887	SLD 9	16838	32257	55014	2.5	25.44	Si
154	5X/2Y Ø8/15	630	-81361	SLD 15	17696	36732	50429	2.5	58.26	-1268	-75755	SLD 9	16820	32257	54995	2.5	25.44	Si
184	5X/2Y Ø8/15	630	-81229	SLD 15	17679	36732	50429	2.5	58.26	-1268	-75623	SLD 9	16802	32257	54976	2.5	25.44	Si
213	5X/2Y Ø8/15	630	-81099	SLD 15	17663	36732	50429	2.5	58.26	-1268	-75493	SLD 9	16784	32257	54958	2.5	25.44	Si
242	5X/2Y Ø8/10	630	-80964	SLD 15	17647	55098	50429	2.5	79.99	-1268	-75358	SLD 9	16766	48385	54939	2.5	38.16	Si
272	5X/2Y Ø8/10	630	-80832	SLD 15	17630	55098	50429	2.5	79.99	-1268	-75226	SLD 9	16748	48385	54920	2.5	38.16	Si
301	5X/2Y Ø8/10	630	-80700	SLD 15	17614	55098	50429	2.5	79.99	-1268	-75094	SLD 9	16730	48385	54902	2.5	38.16	Si
331	5X/2Y Ø8/10	630	-80567	SLD 15	17597	55098	50429	2.5	79.99	-1268	-74961	SLD 9	16712	48385	54883	2.5	38.16	Si
360	5X/2Y Ø8/10	630	-80437	SLD 15	17581	55098	50429	2.5	79.99	-1268	-74831	SLD 9	16694	48385	54865	2.5	38.16	Si
380	5X/2Y Ø8/10	1310	-61772	SLD 15	15257	55098	48299	2.5	36.88	-870	-57200	SLD 5	14284	48385	52372	2.5	55.63	Si
409	5X/2Y Ø8/10	1310	-61641	SLD 15	15241	55098	48282	2.5	36.87	-870	-57069	SLD 5	14266	48385	52353	2.5	55.63	Si
438	5X/2Y Ø8/10	1310	-61511	SLD 15	15225	55098	48266	2.5	36.86	-870	-56939	SLD 5	14248	48385	52335	2.5	55.63	Si
467	5X/2Y Ø8/14.4	1310	-61380	SLD 15	15208	38145	48249	2.5	29.13	-870	-56808	SLD 5	14231	33497	52317	2.5	38.51	Si
496	5X/2Y Ø8/14.4	1310	-61250	SLD 15	15192	38145	48232	2.5	29.13	-870	-56678	SLD 5	14213	33497	52298	2.5	38.51	Si
525	5X/2Y Ø8/14.4	1310	-61119	SLD 15	15176	38145	48215	2.5	29.13	-870	-56547	SLD 5	14195	33497	52280	2.5	38.51	Si
554	5X/2Y Ø8/14.4	1310	-60989	SLD 15	15160	38145	48198	2.5	29.13	-870	-56417	SLD 5	14177	33497	52261	2.5	38.51	Si
583	5X/2Y Ø8/14.4	1310	-60858	SLD 15	15143	38145	48182	2.5	29.13	-870	-56286	SLD 5	14159	33497	52243	2.5	38.51	Si
612	5X/2Y Ø8/10	1310	-60728	SLD 15	15127	55098	48165	2.5	36.78	-870	-56156	SLD 5	14141	48385	52224	2.5	55.63	Si
641	5X/2Y Ø8/10	1310	-60597	SLD 15	15111	55098	48148	2.5	36.77	-870	-56025	SLD 5	14124	48385	52206	2.5	55.63	Si
670	5X/2Y Ø8/10	1310	-60467	SLD 15	15095	55098	48131	2.5	36.75	-870	-55895	SLD 5	14106	48385	52187	2.5	55.63	Si
690	5X/2Y Ø8/10	1114	-42190	SLD 15	12819	55098	45777	2.5	41.09	977	-41273	SLD 7	12108	48385	50120	2.5	49.54	Si
719	5X/2Y Ø8/10	1114	-42062	SLD 15	12803	55098	45761	2.5	41.08	977	-41145	SLD 7	12090	48385	50102	2.5	49.54	Si
748	5X/2Y Ø8/10	1114	-41931	SLD 15	12787	55098	45744	2.5	41.06	977	-41014	SLD 7	12072	48385	50084	2.5	49.54	Si
777	5X/2Y Ø8/14.4	1114	-41801	SLD 15	12771	38145	45727	2.5	34.24	977	-40884	SLD 7	12054	33497	50065	2.5	34.3	Si
806	5X/2Y Ø8/14.4	1114	-41670	SLD 15	12754	38145	45710	2.5	34.24	977	-40753	SLD 7	12036	33497	50047	2.5	34.3	Si
835	5X/2Y Ø8/14.4	1114	-41540	SLD 15	12738	38145	45693	2.5	34.24	977	-40623	SLD 7	12019	33497	50028	2.5	34.3	Si
864	5X/2Y Ø8/14.4	1114	-41409	SLD 15	12722	38145	45677	2.5	34.24	977	-40492	SLD 7	12001	33497	50010	2.5	34.3	Si
893	5X/2Y Ø8/14.4	1114	-41279	SLD 15	12706	38145	45660	2.5	34.24	977	-40362	SLD 7	11983	33497	49991	2.5	34.3	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
922	5X/2Y Ø8/10	1114	-41148	SLD 15	12689	55098	45643	2.5	40.97	977	-40231	SLD 7	11965	48385	49973	2.5	49.54	Si
951	5X/2Y Ø8/10	1114	-41018	SLD 15	12673	55098	45626	2.5	40.95	977	-40101	SLD 7	11947	48385	49954	2.5	49.54	Si
980	5X/2Y Ø8/10	1114	-40887	SLD 15	12657	55098	45609	2.5	40.94	977	-39970	SLD 7	11929	48385	49936	2.5	49.54	Si
1000	5X/2Y Ø8/10	988	-23673	SLD 15	10514	55098	43392	2.5	43.93	-1908	-24669	SLD 9	9838	48385	47773	2.5	25.04	Si
1029	5X/2Y Ø8/10	988	-23544	SLD 15	10498	55098	43376	2.5	43.92	-1908	-24541	SLD 9	9821	48385	47755	2.5	25.03	Si
1058	5X/2Y Ø8/10	988	-23414	SLD 15	10481	55098	43359	2.5	43.9	-1908	-24410	SLD 9	9803	48385	47736	2.5	25.02	Si
1087	5X/2Y Ø8/14.4	988	-23283	SLD 15	10465	38145	43342	2.5	38.62	-1908	-24280	SLD 9	9785	33497	47718	2.5	17.56	Si
1116	5X/2Y Ø8/14.4	988	-23153	SLD 15	10449	38145	43325	2.5	38.62	-1908	-24149	SLD 9	9767	33497	47699	2.5	17.56	Si
1145	5X/2Y Ø8/14.4	988	-23022	SLD 15	10433	38145	43309	2.5	38.62	-1908	-24019	SLD 9	9750	33497	47681	2.5	17.56	Si
1174	5X/2Y Ø8/14.4	988	-22892	SLD 15	10416	38145	43292	2.5	38.62	-1908	-23888	SLD 9	9732	33497	47662	2.5	17.56	Si
1203	5X/2Y Ø8/14.4	988	-22761	SLD 15	10400	38145	43275	2.5	38.62	-1908	-23758	SLD 9	9714	33497	47644	2.5	17.56	Si
1232	5X/2Y Ø8/10	988	-22631	SLD 15	10384	55098	43258	2.5	43.8	-1908	-23627	SLD 9	9696	48385	47626	2.5	24.97	Si
1261	5X/2Y Ø8/10	988	-22500	SLD 15	10368	55098	43241	2.5	43.78	-1908	-23497	SLD 9	9678	48385	47607	2.5	24.96	Si
1290	5X/2Y Ø8/10	988	-22372	SLD 15	10352	55098	43225	2.5	43.76	-1908	-23369	SLD 9	9661	48385	47589	2.5	24.95	Si
1310	2X/2Y Ø8/10	-557	-7997	SLD 9	4746	21832	21002	2.5	37.69	1089	-8686	SLD 1	4865	22039	21290	2.5	19.55	Si
1340	2X/2Y Ø8/10	-557	-7929	SLD 9	4738	21832	20994	2.5	37.68	1089	-8618	SLD 1	4856	22039	21282	2.5	19.54	Si
1370	2X/2Y Ø8/10	-557	-7862	SLD 9	4730	21832	20985	2.5	37.66	1089	-8551	SLD 1	4848	22039	21273	2.5	19.54	Si
1400	2X/2Y Ø8/14.4	-557	-7794	SLD 9	4721	15114	20976	2.5	27.13	1089	-8483	SLD 1	4839	15258	21264	2.5	14.01	Si
1430	2X/2Y Ø8/14.4	-557	-7727	SLD 9	4713	15114	20968	2.5	27.13	1089	-8416	SLD 1	4831	15258	21256	2.5	14.01	Si
1460	2X/2Y Ø8/14.4	-557	-7659	SLD 9	4705	15114	20959	2.5	27.13	1089	-8348	SLD 1	4823	15258	21247	2.5	14.01	Si
1490	2X/2Y Ø8/14.4	-557	-7592	SLD 9	4697	15114	20950	2.5	27.13	1089	-8281	SLD 1	4814	15258	21238	2.5	14.01	Si
1520	2X/2Y Ø8/14.4	-557	-7524	SLD 9	4688	15114	20942	2.5	27.13	1089	-8213	SLD 1	4806	15258	21230	2.5	14.01	Si
1550	2X/2Y Ø8/10	-557	-7457	SLD 9	4680	21832	20933	2.5	37.57	1089	-8146	SLD 1	4797	22039	21221	2.5	19.49	Si
1580	2X/2Y Ø8/10	-557	-7389	SLD 9	4672	21832	20925	2.5	37.55	1089	-8078	SLD 1	4789	22039	21212	2.5	19.48	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	97813	-106127	-93175	SLE RA 13	-58.7	97813	-106127	-93175	SLE RA 13	-816	Si
-111	91080	-93642	-93045	SLE RA 13	-57.2	91080	-93642	-93045	SLE RA 13	-800.1	Si
-81	84230	-80941	-92912	SLE RA 13	-55.6	84230	-80941	-92912	SLE RA 13	-783.9	Si
-52	77380	-68239	-92780	SLE RA 13	-54.1	77380	-68239	-92780	SLE RA 13	-767.7	Si
-22	70530	-55538	-92648	SLE RA 13	-52.5	70530	-55538	-92648	SLE RA 13	-751.6	Si
7	63680	-42837	-92515	SLE RA 13	-51	63680	-42837	-92515	SLE RA 13	-735.4	Si
36	56830	-30136	-92383	SLE RA 13	-49.4	56830	-30136	-92383	SLE RA 13	-719.2	Si
66	49980	-17434	-92251	SLE RA 13	-47.9	49980	-17434	-92251	SLE RA 13	-703	Si
95	43130	-4733	-92118	SLE RA 13	-46.3	43130	-4733	-92118	SLE RA 13	-686.9	Si
125	36212	8095	-91984	SLE RA 13	-46.2	36212	8095	-91984	SLE RA 13	-684.8	Si
154	29430	20669	-91853	SLE RA 13	-47	29430	20669	-91853	SLE RA 13	-691.1	Si
184	22580	33371	-91721	SLE RA 13	-47.8	22580	33371	-91721	SLE RA 13	-697.3	Si
213	15833	45881	-91591	SLE RA 13	-48.5	15833	45881	-91591	SLE RA 13	-703.5	Si
242	8880	58773	-91456	SLE RA 13	-49.3	8880	58773	-91456	SLE RA 13	-709.9	Si
272	2030	71475	-91324	SLE RA 13	-50.1	2030	71475	-91324	SLE RA 13	-717.2	Si
301	-4819	84176	-91192	SLE RA 13	-51.3	-4819	84176	-91192	SLE RA 13	-728.6	Si
331	-11669	96877	-91059	SLE RA 13	-52.7	-11669	96877	-91059	SLE RA 13	-742.4	Si
360	-18403	109362	-90929	SLE RA 13	-54.1	-18403	109362	-90929	SLE RA 13	-756.4	Si
380	8786	-73780	-70732	SLE RA 12	-40.8	8786	-73780	-70732	SLE RA 12	-575.2	Si
409	7820	-59871	-70601	SLE RA 12	-39.4	7820	-59871	-70601	SLE RA 12	-561.4	Si
438	6855	-45961	-70471	SLE RA 12	-38.1	6855	-45961	-70471	SLE RA 12	-547.6	Si
467	5889	-32052	-70340	SLE RA 12	-36.7	5889	-32052	-70340	SLE RA 12	-533.8	Si
496	4923	-18142	-70210	SLE RA 12	-35.3	4923	-18142	-70210	SLE RA 12	-520	Si
525	9585	5220	-70173	SLE RA 13	-34.3	9585	5220	-70173	SLE RA 13	-511.1	Si
554	7984	17413	-70043	SLE RA 13	-35.3	7984	17413	-70043	SLE RA 13	-520	Si
583	6383	29606	-69912	SLE RA 13	-36.3	6383	29606	-69912	SLE RA 13	-528.9	Si
612	4782	41799	-69782	SLE RA 13	-37.3	4782	41799	-69782	SLE RA 13	-537.8	Si
641	3181	53992	-69651	SLE RA 13	-38.2	3181	53992	-69651	SLE RA 13	-547	Si
670	1580	66185	-69521	SLE RA 13	-39.2	1580	66185	-69521	SLE RA 13	-556.6	Si
690	26551	-49851	-49752	SLE RA 12	-29.5	26551	-49851	-49752	SLE RA 12	-414.7	Si
719	26184	-40220	-49623	SLE RA 12	-28.5	31165	-36509	-49682	SLE RA 13	-405.1	Si
748	25810	-30421	-49493	SLE RA 12	-27.6	30172	-27559	-49551	SLE RA 13	-395.7	Si
777	29179	-18609	-49421	SLE RA 13	-26.6	29179	-18609	-49421	SLE RA 13	-386.2	Si
806	28186	-9659	-49290	SLE RA 13	-25.7	28186	-9659	-49290	SLE RA 13	-376.8	Si
835	27192	-709	-49160	SLE RA 13	-24.7	27192	-709	-49160	SLE RA 13	-367.4	Si
864	26199	8241	-49029	SLE RA 13	-25.3	26199	8241	-49029	SLE RA 13	-372.5	Si
893	23939	18578	-48840	SLE RA 12	-26.1	23939	18578	-48840	SLE RA 12	-379	Si
922	23565	28378	-48710	SLE RA 12	-26.9	23565	28378	-48710	SLE RA 12	-386.5	Si
951	23191	38178	-48579	SLE RA 12	-27.7	23191	38178	-48579	SLE RA 12	-394	Si
980	22817	47977	-48449	SLE RA 12	-28.5	22817	47977	-48449	SLE RA 12	-401.5	Si
1000	66927	-38888	-29491	SLE RA 12	-20.8	70788	-35919	-29575	SLE RA 13	-284.2	Si
1029	41638	-32748	-29363	SLE RA 12	-18.9	44666	-30438	-29447	SLE RA 13	-263.2	Si
1058	15904	-26499	-29232	SLE RA 12	-17.1	18085	-24861	-29316	SLE RA 13	-241.8	Si
1087	-9829	-20251	-29102	SLE RA 12	-16.2	-9829	-20251	-29102	SLE RA 12	-231.4	Si
1116	-35562	-14003	-28971	SLE RA 12	-16.8	-35076	-13707	-29055	SLE RA 13	-240	Si
1145	-61657	-8130	-28925	SLE RA 13	-17.4	-61657	-8130	-28925	SLE RA 13	-249.7	Si
1174	-88238	-2553	-28794	SLE RA 13	-18.1	-88238	-2553	-28794	SLE RA 13	-259.3	Si
1203	-112762	4742	-28580	SLE RA 12	-19.4	-114818	3024	-28664	SLE RA 13	-274.3	Si
1232	-138495	10991	-28449	SLE RA 12	-21.1	-141399	8601	-28533	SLE RA 13	-293.9	Si
1261	-164228	17239	-28319	SLE RA 12	-22.7	-167980	14178	-28403	SLE RA 13	-312.1	Si
1290	-189518	23380	-28190	SLE RA 12	-22.7	-194102	19659	-28275	SLE RA 13	-308.2	Si
1310	-52706	22482	-9690	SLE RA 12	-19.7	-50302	21448	-10186	SLE RA 8	-233.2	Si
1340	-33003	15070	-10119	SLE RA 8	-17	-33003	15070	-10119	SLE RA 8	-211.8	Si
1370	-15704	8693	-10051	SLE RA 8	-13.7	-15704	8693	-10051	SLE RA 8	-182.4	Si
1400	2138	1707	-10039	SLE RA 9	-10	2138	1707	-10039	SLE RA 9	-146.1	Si
1430	21179	-5818	-9475	SLE RA 13	-13.6	19373	-4565	-9971	SLE RA 9	-179.9	Si
1460	39466	-12661	-9407	SLE RA 13	-18.1	39466	-12661	-9407	SLE RA 13	-221.4	Si
1490	57753	-19504	-9340	SLE RA 13	-22.6	57753	-19504	-9340	SLE RA 13	-264.4	Si
1520	76040	-26347	-9272	SLE RA 13	-27.1	76040	-26347	-9272	SLE RA 13	-307.3	Si
1550	93483	-33831	-8269	SLE RA 11	-37.9	94327	-33190	-9205	SLE RA 13	-392.9	Si
1580	111555	-40695	-8201	SLE RA 11	-43.5	112614	-40033	-9137	SLE RA 13	-437.3	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	94336	-34263	-78523	SLE QP 2	-45	Si
-111	87482	-29938	-78392	SLE QP 2	-44.2	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
-81	80510	-25537	-78260	SLE QP 2	-43.4	Si
-52	73537	-21137	-78128	SLE QP 2	-42.6	Si
-22	66565	-16736	-77995	SLE QP 2	-41.8	Si
7	59592	-12336	-77863	SLE QP 2	-41	Si
36	52620	-7935	-77731	SLE QP 2	-40.2	Si
66	45648	-3535	-77598	SLE QP 2	-39.4	Si
95	38675	866	-77466	SLE QP 2	-38.8	Si
125	31633	5311	-77332	SLE QP 2	-38.8	Si
154	24730	9667	-77201	SLE QP 2	-38.8	Si
184	17758	14068	-77069	SLE QP 2	-38.8	Si
213	10890	18402	-76939	SLE QP 2	-38.8	Si
242	3813	22869	-76804	SLE QP 2	-38.8	Si
272	-3159	27269	-76672	SLE QP 2	-39.1	Si
301	-10132	31670	-76540	SLE QP 2	-39.8	Si
331	-17104	36070	-76407	SLE QP 2	-40.5	Si
360	-23958	40396	-76277	SLE QP 2	-41.1	Si
380	3000	-51160	-59195	SLE QP 2	-33	Si
409	2856	-41531	-59064	SLE QP 2	-32	Si
438	2712	-31901	-58934	SLE QP 2	-31.1	Si
467	2567	-22272	-58803	SLE QP 2	-30.1	Si
496	2423	-12642	-58673	SLE QP 2	-29.2	Si
525	2279	-3013	-58542	SLE QP 2	-28.2	Si
554	2134	6617	-58412	SLE QP 2	-28.5	Si
583	1990	16246	-58281	SLE QP 2	-29.3	Si
612	1846	25875	-58151	SLE QP 2	-30.1	Si
641	1701	35505	-58020	SLE QP 2	-30.9	Si
670	1557	45134	-57890	SLE QP 2	-31.7	Si
690	18155	-32357	-41034	SLE QP 2	-23.3	Si
719	18478	-26175	-40905	SLE QP 2	-22.7	Si
748	18807	-19886	-40775	SLE QP 2	-22.1	Si
777	19135	-13596	-40644	SLE QP 2	-21.5	Si
806	19464	-7307	-40514	SLE QP 2	-20.9	Si
835	19792	-1017	-40383	SLE QP 2	-20.2	Si
864	20121	5272	-40253	SLE QP 2	-20.6	Si
893	20449	11562	-40122	SLE QP 2	-21.1	Si
922	20778	17851	-39992	SLE QP 2	-21.6	Si
951	21106	24141	-39861	SLE QP 2	-22.2	Si
980	21435	30430	-39731	SLE QP 2	-22.7	Si
1000	51358	-24549	-23461	SLE QP 2	-15.8	Si
1029	31544	-20771	-23332	SLE QP 2	-14.5	Si
1058	11383	-16926	-23202	SLE QP 2	-13.1	Si
1087	-8779	-13082	-23071	SLE QP 2	-12.6	Si
1116	-28941	-9238	-22941	SLE QP 2	-13.1	Si
1145	-49102	-5394	-22810	SLE QP 2	-13.7	Si
1174	-69264	-1549	-22680	SLE QP 2	-14.2	Si
1203	-89426	2295	-22549	SLE QP 2	-15.2	Si
1232	-109587	6139	-22419	SLE QP 2	-16.4	Si
1261	-129749	9984	-22288	SLE QP 2	-17.6	Si
1290	-149563	13761	-22160	SLE QP 2	-17.5	Si
1310	-44175	18491	-7729	SLE QP 2	-16.1	Si
1340	-28997	12806	-7661	SLE QP 2	-13.8	Si
1370	-13818	7122	-7594	SLE QP 2	-10.8	Si
1400	1360	1437	-7526	SLE QP 2	-7.5	Si
1430	16539	-4248	-7459	SLE QP 2	-10.6	Si
1460	31717	-9932	-7391	SLE QP 2	-14.3	Si
1490	46895	-15617	-7324	SLE QP 2	-18.1	Si
1520	62074	-21302	-7256	SLE QP 2	-21.8	Si
1550	77252	-26987	-7189	SLE QP 2	-25.5	Si
1580	92431	-32671	-7121	SLE QP 2	-35.6	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

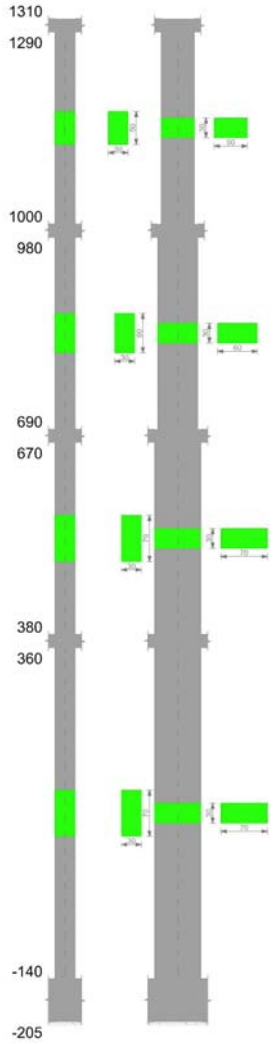
Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 1600 in quanto elemento di estremità superiore alla pilastrata.
per il nodo Appoggio 990 in quanto nodo interno a piastra.

Pilastro 19

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x70	No	No	No	No		C30/37	B450C	
380	670	R 30x70	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.67	-29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.67	29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.67	29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	-18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	-6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	-18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	-6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.2	-9.67	-29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.67	-29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.67	29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.67	29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	-18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	-6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	-18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	-6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	18.42	1.6	2.011	-140	380	R 30x70	B450C
p.3	-9.67	-29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	9.67	-29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	9.67	29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	-9.67	29.67	1.6	2.011	380	690	R 30x70	B450C
p.5	-9.9	-18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	-9.9	18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	9.9	-18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	9.9	18.42	1.6	2.011	380	690	R 30x70	B450C
p.6	-9.9	-6.14	1.6	2.011	380	690	R 30x70	B450C
p.6	-9.9	6.14	1.6	2.011	380	690	R 30x70	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	9.9	-6.14	1.6	2.011	380	690	R 30x70	B450C
p.6	9.9	6.14	1.6	2.011	380	690	R 30x70	B450C
p.7	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.7	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.9	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.9	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.9	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.9	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.10	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.10	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.11	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.12	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.12	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.12	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.12	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	2.3	0	1,2	1091542	447270	-164892	2132361	873757	SLU 46	1.954	Si
-111	24.13	2.3	0	1,2	641732	476828	-175789	1278776	950173	SLU 52	1.993	Si
-81	24.13	1.1	0	2	572331	476284	-175588	1151915	958602	SLU 52	2.013	Si
-52	24.13	1.1	0	2	502930	475739	-175388	1020325	965161	SLU 52	2.029	Si
-22	24.13	1.1	0	2	475195	475195	-175187	967634	967634	SLU 52	2.036	Si
7	24.13	1.1	0	2	474650	474650	-174986	967634	967634	SLU 52	2.039	Si
36	24.13	1.1	0	2	474106	474106	-174785	967634	967634	SLU 52	2.041	Si
66	24.13	1.1	0	2	473561	473561	-174585	967634	967634	SLU 52	2.043	Si
95	24.13	1.1	0	2	473017	-473017	-174384	967634	-967634	SLU 52	2.046	Si
125	24.13	1.1	0	2	472467	-472467	-174181	967634	-967634	SLU 52	2.048	Si
154	24.13	1.1	0	2	471928	-471928	-173983	967634	-967634	SLU 52	2.05	Si
184	24.13	1.1	0	2	-471383	-471383	-173782	-967634	-967634	SLU 52	2.053	Si
213	24.13	1.1	0	2	-470847	-470847	-173584	-967634	-967634	SLU 52	2.055	Si
242	24.13	1.1	0	2	-470294	-470294	-173380	-967634	-967634	SLU 52	2.058	Si
272	24.13	1.1	0	2	-469750	-469750	-173180	-967634	-967634	SLU 52	2.06	Si
301	24.13	1.1	0	2	-469205	-469205	-172979	-967634	-967634	SLU 52	2.062	Si
331	24.13	1.1	0	2	-468661	-468661	-172778	-967634	-967634	SLU 52	2.065	Si
360	24.13	1.1	0	2	-468125	-468125	-172581	-967634	-967634	SLU 52	2.067	Si
380	24.13	2.3	0	2,3,5,6	-893095	248228	-124114	-2379363	661322	SLU 46	2.664	Si
409	24.13	2.3	0	2,3,5,6	-568566	265804	-132902	-1553860	726427	SLU 52	2.733	Si
438	24.13	1.1	0	3,5,6	-483385	265408	-132704	-1345936	739001	SLU 52	2.784	Si
467	24.13	1.1	0	3,5,6	-398204	265012	-132506	-1127147	750136	SLU 52	2.831	Si
496	24.13	1.1	0	3,5,6	-313024	264616	-132308	-898576	759616	SLU 52	2.871	Si
525	24.13	1.1	0	3,5,6	-264220	264220	-132110	-763108	763108	SLU 52	2.888	Si
554	24.13	1.1	0	3,5,6	-263825	-263825	-131912	-763108	-763108	SLU 52	2.892	Si
583	24.13	1.1	0	3,5,6	-263429	-263429	-131714	-763108	-763108	SLU 52	2.897	Si
612	24.13	1.1	0	3,5,6	263033	-263033	-131516	763108	-763108	SLU 52	2.901	Si
641	24.39	1.5	0	3,4,5,6	262637	-262637	-131318	764835	-764835	SLU 52	2.912	Si
670	31.44	1.9	0	3,4,5,6	262241	-262241	-131121	811233	-811233	SLU 52	3.093	Si
690	24.13	2.5	0	4,5,6,7,9,10	-183915	183915	-91958	-673235	673235	SLU 52	3.661	Si
719	21.83	2.5	0	4,5,6,7,9,10	-183576	183576	-91788	-658510	658510	SLU 52	3.587	Si
748	20.11	1.1	0	7,9,10	-183237	183237	-91618	-647491	647491	SLU 52	3.534	Si
777	20.11	1.1	0	7,9,10	-182897	182897	-91449	-647491	647491	SLU 52	3.54	Si
806	20.11	1.1	0	7,9,10	-182558	182558	-91279	-647491	647491	SLU 52	3.547	Si
835	20.11	1.1	0	7,9,10	182219	-182219	-91109	647491	-647491	SLU 52	3.553	Si
864	20.11	1.1	0	7,9,10	181879	-181879	-90940	647491	-647491	SLU 52	3.56	Si
893	20.11	1.1	0	7,9,10	181540	-181540	-90770	647491	-647491	SLU 52	3.567	Si
922	20.11	1.1	0	7,9,10	181201	-181201	-90600	647491	-647491	SLU 52	3.573	Si
951	20.37	1.6	0	7,8,9,10	180862	-180862	-90431	649217	-649217	SLU 52	3.59	Si
980	27.42	2	0	7,8,9,10	199162	-180522	-90261	764463	-692918	SLU 52	3.838	Si
1000	20.11	2.4	0	8,9,10,11,12	-114326	116588	-51620	-600193	612069	SLU 52	5.25	Si
1029	17.8	2.4	0	8,9,10,11,12	-102957	102957	-51478	-541580	541580	SLU 52	5.26	Si
1058	16.08	1.1	0	11,12	-102674	102674	-51337	-530708	530708	SLU 52	5.169	Si
1087	16.08	1.1	0	11,12	-102391	102391	-51196	-530708	530708	SLU 52	5.183	Si
1116	16.08	1.1	0	11,12	-102109	102109	-51054	-530708	530708	SLU 52	5.197	Si
1145	16.08	1.1	0	11,12	-101826	-101826	-50913	-530708	-530708	SLU 52	5.212	Si
1174	16.08	1.1	0	11,12	101543	-101543	-50772	530708	-530708	SLU 52	5.226	Si
1203	16.08	1.1	0	11,12	101260	-101260	-50630	530708	-530708	SLU 52	5.241	Si
1232	16.08	1.1	0	11,12	100978	-100978	-50489	530708	-530708	SLU 52	5.256	Si
1261	16.08	1.1	0	11,12	100695	-105156	-50347	527129	-550483	SLU 52	5.235	Si
1290	22.11	2.1	0	11,12	107909	-129794	-50206	582472	-700606	SLU 52	5.398	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	24.13	2.3	0	1,2	2000785	-225721	-110885	-2.02	1.92	3267538	-368631	SLV 15	1.633				Si
-111	24.13	2.3	0	1,2	1854014	-206421	-110733	-2.02	1.92	3235881	-360275	SLV 15	1.745				Si
-81	24.13	1.1	0	2	1704737	-186791	-110578	-2.02	1.92	3186121	-349109	SLV 15	1.869				Si
-52	24.13	1.1	0	2	1555503	-167165	-110424	-2.02	1.92	3113857	-334636	SLV 15	2.002				Si
-22	24.13	1.1	0	2	1406329	-147546	-110269	-2.02	1.92	3014209	-316237	SLV 15	2.143				Si
7	24.13	1.1	0	2	1257232	-127936	-110115	-2.02	1.92	2883004	-293374	SLV 15	2.293				Si
36	24.13	1.1	0	2	1108243	-108341	-109961	-2.02	1.92	2714968	-265414	SLV 15	2.45				Si
66	24.13	1.1	0	2	959428	-88776	-109806	-2.02	1.92	2507915	-232058	SLV 15	2.614				Si
95	24.13	1.1	0	2	810867	-69268	-109652	-2.02	1.92	2261680	-193204	SLV 15	2.789				Si
125	24.13	1.1	0	2	661243	-49707	-109496	-2.02	1.92	1976239	-148557	SLV 15	2.989				Si
154	24.13	1.1	0	2	515496	-31393	-109343	-2.02	1.92	1655048	-100790	SLV 15	3.211				Si
184	24.13	1.1	0	2	370308	-17854	-109189	-2.02	1.92	1279465	-61689	SLV 15	3.455				Si
213	24.13	1.1	0	2	179554	-40254	-110314	-2.02	1.92	629535	-141135	SLV 13	3.506				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
242	24.13	1.1	0	2	73888	-16742	-110157	-2.02	1.92	259426	-58783	SLV 13	3.511				Si
272	24.13	1.1	0	2	-131688	-5498	-110002	-2.02	1.92	-463018	-19330	SLV 13	3.516				Si
301	24.13	1.1	0	2	-173477	-128514	-108462	-2.02	1.92	-597032	-442291	SLV 9	3.442				Si
331	24.13	1.1	0	2	-272275	-156900	-108308	-2.02	1.92	-880604	-507455	SLV 9	3.234				Si
360	24.13	1.1	0	2	495283	-170116	-101325	-2.02	1.92	1528320	-524936	SLV 1	3.086				Si
380	24.13	2.3	0	2,3,5,6	-373458	387170	-76954	-2.02	1.92	-1149992	1192216	SLV 5	3.079				Si
409	24.13	2.3	0	2,3,5,6	-300941	310361	-76802	-2.02	1.92	-1043510	1076176	SLV 5	3.467				Si
438	24.13	1.1	0	3,5,6	-234106	233644	-76650	-2.02	1.92	-909856	908062	SLV 5	3.887				Si
467	24.13	1.1	0	3,5,6	-179884	157166	-76497	-2.02	1.92	-783204	684291	SLV 5	4.354				Si
496	24.13	1.1	0	3,5,6	-123876	-24756	-83919	-2.02	1.92	-570927	-114098	SLV 15	4.609				Si
525	24.13	1.1	0	3,5,6	-156883	4531	-83767	-2.02	1.92	-724366	20921	SLV 15	4.617				Si
554	24.13	1.1	0	3,5,6	-223717	39896	-83614	-2.02	1.92	-1018694	181668	SLV 15	4.553				Si
583	24.13	1.1	0	3,5,6	228730	-153243	-75888	-2.02	1.92	982798	-658449	SLV 5	4.297				Si
612	24.13	1.1	0	3,5,6	303555	-229764	-75736	-2.02	1.92	1158390	-876798	SLV 5	3.816				Si
641	24.39	1.5	0	3,4,5,6	380000	-306495	-75584	-2.02	1.92	1292152	-1042207	SLV 5	3.4				Si
670	31.44	1.9	0	3,4,5,6	457377	-383311	-75432	-2.02	1.92	1468083	-1230346	SLV 5	3.21				Si
690	24.13	2.5	0	4,5,6,7,9,10	-380683	338084	-51193	-2.02	1.92	-1197000	1063055	SLV 5	3.144				Si
719	21.83	2.5	0	4,5,6,7,9,10	-300508	268411	-51062	-2.02	1.92	-1106216	988061	SLV 5	3.681				Si
748	20.11	1.1	0	7,9,10	-221494	198824	-50932	-2.02	1.92	-961248	862865	SLV 5	4.34				Si
777	20.11	1.1	0	7,9,10	116200	95229	-56778	-2.02	1.92	601182	492685	SLV 13	5.174				Si
806	20.11	1.1	0	7,9,10	103414	45523	-56647	-2.02	1.92	589747	259605	SLV 13	5.703				Si
835	20.11	1.1	0	7,9,10	-42277	13702	-57586	-2.02	1.92	-241735	78346	SLV 15	5.718				Si
864	20.11	1.1	0	7,9,10	137172	-83055	-50410	-2.02	1.92	777277	-470626	SLV 5	5.666				Si
893	20.11	1.1	0	7,9,10	210914	-151943	-50279	-2.02	1.92	1003905	-723217	SLV 5	4.76				Si
922	20.11	1.1	0	7,9,10	289142	-221412	-50149	-2.02	1.92	1152747	-882721	SLV 5	3.987				Si
951	20.37	1.6	0	7,8,9,10	368972	-291037	-50018	-2.02	1.92	1228207	-968781	SLV 5	3.329				Si
980	27.42	2	0	7,8,9,10	449539	-360727	-49888	-2.02	1.92	1364987	-1095317	SLV 5	3.036				Si
1000	20.11	2.4	0	8,9,10,11,12	-329452	248985	-25872	-2.02	1.92	-1037196	783866	SLV 5	3.148				Si
1029	17.8	2.4	0	8,9,10,11,12	-250877	194535	-25763	-2.02	1.92	-1000395	775727	SLV 5	3.988				Si
1058	16.08	1.1	0	11,12	-172746	140096	-25654	-2.02	1.92	-925568	750631	SLV 5	5.358				Si
1087	16.08	1.1	0	11,12	63800	80494	-31182	-2.02	1.92	450177	567972	SLV 13	7.056				Si
1116	16.08	1.1	0	11,12	-51139	15757	-32068	-2.02	1.92	-433390	133537	SLV 15	8.475				Si
1145	16.08	1.1	0	11,12	-119004	-4700	-31960	-2.02	1.92	-910471	-35962	SLV 15	7.651				Si
1174	16.08	1.1	0	11,12	-198823	-27736	-31851	-2.02	1.92	-1260094	-175787	SLV 15	6.338				Si
1203	16.08	1.1	0	11,12	226232	-132358	-25110	-2.02	1.92	1121661	-656232	SLV 5	4.958				Si
1232	16.08	1.1	0	11,12	304849	-186797	-25002	-2.02	1.92	1105591	-677454	SLV 5	3.627				Si
1261	16.08	1.1	0	11,12	383614	-241246	-24893	-2.02	1.92	1068292	-671824	SLV 5	2.785				Si
1290	22.11	2.1	0	11,12	462454	-295700	-24784	-2.02	1.92	1155384	-738769	SLV 5	2.498				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	2.3	0	1,2	812750	-73907	-108778	2271146	-206526	SLD 15	2.794	Si
-111	24.13	2.3	0	1,2	753717	-68235	-108626	2161795	-195709	SLD 15	2.868	Si
-81	24.13	1.1	0	2	693683	-62465	-108472	2044511	-184106	SLD 15	2.947	Si
-52	24.13	1.1	0	2	633675	-56699	-108317	1920626	-171851	SLD 15	3.031	Si
-22	24.13	1.1	0	2	573703	-50936	-108163	1789589	-158889	SLD 15	3.119	Si
7	24.13	1.1	0	2	513777	-45179	-108009	1650786	-145163	SLD 15	3.213	Si
36	24.13	1.1	0	2	453916	-39431	-107854	1503552	-130612	SLD 15	3.312	Si
66	24.13	1.1	0	2	394161	-33701	-107700	1347204	-115185	SLD 15	3.418	Si
95	24.13	1.1	0	2	334561	-28004	-107545	1181000	-98854	SLD 15	3.53	Si
125	24.13	1.1	0	2	211789	-9143	-107890	759238	-32777	SLD 13	3.585	Si
154	24.13	1.1	0	2	167916	-10461	-107737	602813	-37554	SLD 13	3.59	Si
184	24.13	1.1	0	2	124525	-15226	-107582	447680	-54740	SLD 13	3.595	Si
213	24.13	1.1	0	2	84359	-25340	-107430	303711	-91229	SLD 13	3.6	Si
242	24.13	1.1	0	2	43393	-17451	-107274	156450	-62919	SLD 13	3.605	Si
272	24.13	1.1	0	2	-49986	-14838	-107119	-180484	-53574	SLD 13	3.611	Si
301	24.13	1.1	0	2	-99722	-16043	-106965	-360581	-58011	SLD 13	3.616	Si
331	24.13	1.1	0	2	-156628	-17240	-106810	-567165	-62428	SLD 13	3.621	Si
360	24.13	1.1	0	2	-187778	-18412	-106659	-680930	-66767	SLD 13	3.626	Si
380	24.13	2.3	0	2,3,5,6	-253806	197018	-78842	-999464	775838	SLD 5	3.938	Si
409	24.13	2.3	0	2,3,5,6	-208871	158566	-78690	-877494	666157	SLD 5	4.201	Si
438	24.13	1.1	0	3,5,6	-166518	120170	-78537	-748638	540267	SLD 5	4.496	Si
467	24.13	1.1	0	3,5,6	-13173	-903	-81363	-62622	-4295	SLD 15	4.754	Si
496	24.13	1.1	0	3,5,6	-87591	1843	-81210	-417160	8779	SLD 15	4.763	Si
525	24.13	1.1	0	3,5,6	-85152	4963	-81058	-406305	23682	SLD 15	4.772	Si
554	24.13	1.1	0	3,5,6	-93849	10970	-80906	-448643	52442	SLD 15	4.781	Si
583	24.13	1.1	0	3,5,6	-87820	13817	-80754	-420617	66177	SLD 15	4.79	Si
612	24.13	1.1	0	3,5,6	159748	-112096	-77624	734573	-515453	SLD 5	4.598	Si
641	24.39	1.5	0	3,4,5,6	206669	-150501	-77472	889204	-647540	SLD 5	4.303	Si
670	31.44	1.9	0	3,4,5,6	254111	-188958	-77319	1086517	-807937	SLD 5	4.276	Si
690	24.13	2.5	0	4,5,6,7,9,10	-210701	170529	-52935	-978152	791659	SLD 5	4.642	Si
719	21.83	2.5	0	4,5,6,7,9,10	-165709	135502	-52804	-825792	675258	SLD 5	4.983	Si
748	20.11	1.1	0	7,9,10	-121344	100523	-52674	-654828	542469	SLD 5	5.396	Si
777	20.11	1.1	0	7,9,10	36141	30175	-55321	215109	179604	SLD 15	5.952	Si
806	20.11	1.1	0	7,9,10	33025	14509	-55190	197027	86565	SLD 15	5.966	Si
835	20.11	1.1	0	7,9,10	-10481	4861	-55060	-62680	29072	SLD 15	5.98	Si
864	20.11	1.1	0	7,9,10	-22951	4421	-54929	-137579	26504	SLD 15	5.994	Si
893	20.11	1.1	0	7,9,10	122010	-76015	-52021	693375	-431989	SLD 5	5.683	Si
922	20.11	1.1	0	7,9,10	165833	-110921	-51891	856761	-573060	SLD 5	5.166	Si
951	20.37	1.6	0	7,8,9,10	210581	-145919	-51760	997522	-691218	SLD 5	4.737	Si
980	27.42	2	0	7,8,9,10	255762	-180956	-51630	1186491	-839459	SLD 5	4.639	Si
1000	20.11	2.4	0	8,9,10,11,12	-173892	136162	-27499	-965151	755741	SLD 5	5.55	Si
1029	17.8	2.4	0	8,9,10,11,12	-135142	106791	-27390	-861526	680794	SLD 5	6.375	Si
1058	16.08	1.1	0	11,12	-96632	77427	-27282	-710360	569177	SLD 5	7.351	Si
1087	16.08	1.1	0	11,12	9196	46482	-29407	82481	416895	SLD 13	8.969	Si
1116	16.08	1.1	0	11,12	-33299	12761	-29691	-304793	116802	SLD 15	9.153	Si
1145	16.08	1.1	0	11,12	-50317	-3482	-29582	-462264	-31986	SLD 15	9.187	Si
1174	16.08	1.1	0	11,12	-73342	-20624	-29473	-631106	-177469	SLD 15	8.605	Si
1203	16.08	1.1	0	11,12	100574	-69557	-26738	760758	-526140	SLD 5	7.564	Si
1232	16.08	1.1	0	11,12	139338	-98922	-26629	898473	-637862	SLD 5	6.448	Si
1261	16.08	1.1	0	11,12	178189	-128293	-26520	974107	-701337	SLD 5	5.467	Si
1290	22.11	2.1	0	11,12	217084	-157666	-26412	1078833	-783545	SLD 5	4.97	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	6X/2Y Ø8/10	-220	-175849	SLU 51	17927	60828	62389	2.3	276.13	-3782	-136129	SLU 33	17432	57236	65483	2.5	15.13	Si

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-111	6X/2Y Ø8/10	-220	-175652	SLU 51	17927	60828	62389	2.3	276.13	-3782	-135931	SLU 33	17432	57236	65483	2.5	15.13	Si
-81	6X/2Y Ø8/10	-220	-175451	SLU 51	17927	60828	62389	2.3	276.13	-3782	-135731	SLU 33	17432	57236	65483	2.5	15.13	Si
-52	6X/2Y Ø8/10	-220	-175251	SLU 51	17927	60828	62389	2.3	276.13	-3782	-135530	SLU 33	17432	57236	65483	2.5	15.13	Si
-22	6X/2Y Ø8/15	-220	-175050	SLU 51	17927	44078	58834	2.5	200.1	-3782	-135329	SLU 33	17432	38157	65483	2.5	10.09	Si
7	6X/2Y Ø8/15	-220	-174849	SLU 51	17927	44078	58834	2.5	200.1	-3782	-135128	SLU 33	17432	38157	65483	2.5	10.09	Si
36	6X/2Y Ø8/15	-220	-174648	SLU 51	17927	44078	58834	2.5	200.1	-3782	-134928	SLU 33	17432	38157	65483	2.5	10.09	Si
66	6X/2Y Ø8/15	-220	-174448	SLU 51	17927	44078	58834	2.5	200.1	-3782	-134727	SLU 33	17432	38157	65483	2.5	10.09	Si
95	6X/2Y Ø8/15	-220	-174247	SLU 51	17927	44078	58834	2.5	200.1	-3782	-134526	SLU 33	17432	38157	65483	2.5	10.09	Si
125	6X/2Y Ø8/15	-220	-174044	SLU 51	17927	44078	58834	2.5	200.1	-3782	-134323	SLU 33	17432	38157	65483	2.5	10.09	Si
154	6X/2Y Ø8/15	-220	-173845	SLU 51	17927	44078	58834	2.5	200.1	-3782	-134125	SLU 33	17432	38157	65483	2.5	10.09	Si
184	6X/2Y Ø8/15	-220	-173645	SLU 51	17927	44078	58834	2.5	200.1	-3782	-133924	SLU 33	17432	38157	65483	2.5	10.09	Si
213	6X/2Y Ø8/15	-220	-173447	SLU 51	17927	44078	58834	2.5	200.1	-3782	-133726	SLU 33	17432	38157	65483	2.5	10.09	Si
242	6X/2Y Ø8/10	-220	-173243	SLU 51	17927	60828	62389	2.3	276.13	-3782	-133523	SLU 33	17432	57236	65483	2.5	15.13	Si
272	6X/2Y Ø8/10	-220	-173043	SLU 51	17927	60828	62389	2.3	276.13	-3782	-133322	SLU 33	17432	57236	65483	2.5	15.13	Si
301	6X/2Y Ø8/10	-220	-172842	SLU 51	17927	60828	62389	2.3	276.13	-3782	-133121	SLU 33	17432	57236	65483	2.5	15.13	Si
331	6X/2Y Ø8/10	-220	-172641	SLU 51	17927	60828	62389	2.3	276.13	-3782	-132920	SLU 33	17432	57236	65483	2.5	15.13	Si
360	6X/2Y Ø8/10	-220	-172444	SLU 51	17927	60828	62389	2.3	276.13	-3782	-132723	SLU 33	17432	57236	65483	2.5	15.13	Si
380	6X/2Y Ø8/10	-867	-132956	SLU 51	17927	60828	62389	2.3	70.16	3769	-123719	SLU 45	17432	57236	65483	2.5	15.19	Si
409	6X/2Y Ø8/10	-867	-132758	SLU 51	17927	60828	62389	2.3	70.16	3769	-123521	SLU 45	17432	57236	65483	2.5	15.19	Si
438	6X/2Y Ø8/10	-867	-132560	SLU 51	17927	60828	62389	2.3	70.16	3769	-123323	SLU 45	17432	57236	65483	2.5	15.19	Si
467	6X/2Y Ø8/14.4	-867	-132362	SLU 51	17927	45774	58834	2.5	52.8	3769	-123125	SLU 45	17432	39625	65483	2.5	10.51	Si
496	6X/2Y Ø8/14.4	-867	-132165	SLU 51	17927	45774	58834	2.5	52.8	3769	-122928	SLU 45	17432	39625	65483	2.5	10.51	Si
525	6X/2Y Ø8/14.4	-867	-131967	SLU 51	17927	45774	58834	2.5	52.8	3769	-122730	SLU 45	17432	39625	65483	2.5	10.51	Si
554	6X/2Y Ø8/14.4	-867	-131769	SLU 51	17927	45774	58834	2.5	52.8	3769	-122532	SLU 45	17432	39625	65483	2.5	10.51	Si
583	6X/2Y Ø8/14.4	-867	-131571	SLU 51	17927	45774	58834	2.5	52.8	3769	-122334	SLU 45	17432	39625	65483	2.5	10.51	Si
612	6X/2Y Ø8/10	-867	-131373	SLU 51	17927	60828	62389	2.3	70.16	3769	-122136	SLU 45	17432	57236	65483	2.5	15.19	Si
641	6X/2Y Ø8/10	-867	-131175	SLU 51	17927	60828	62389	2.3	70.16	3769	-121938	SLU 45	17432	57236	65483	2.5	15.19	Si
670	6X/2Y Ø8/10	-867	-130977	SLU 51	17927	60828	62389	2.3	70.16	3769	-121740	SLU 45	17432	57236	65483	2.5	15.19	Si
690	5X/2Y Ø8/10	-834	-91958	SLU 52	15366	51792	52691	2.35	62.07	1184	-91483	SLU 49	15029	48385	55356	2.5	40.88	Si
719	5X/2Y Ø8/10	-834	-91788	SLU 52	15366	51792	52691	2.35	62.07	1184	-91313	SLU 49	15029	48385	55356	2.5	40.88	Si
748	5X/2Y Ø8/10	-834	-91618	SLU 52	15366	51792	52691	2.35	62.07	1184	-91143	SLU 49	15029	48385	55356	2.5	40.88	Si
777	5X/2Y Ø8/14.4	-834	-91449	SLU 52	15366	38145	50429	2.5	45.72	1184	-90974	SLU 49	15029	33497	55356	2.5	28.3	Si
806	5X/2Y Ø8/14.4	-834	-91279	SLU 52	15366	38145	50429	2.5	45.72	1184	-90804	SLU 49	15029	33497	55356	2.5	28.3	Si
835	5X/2Y Ø8/14.4	-834	-91109	SLU 52	15366	38145	50429	2.5	45.72	1184	-90634	SLU 49	15029	33497	55356	2.5	28.3	Si
864	5X/2Y Ø8/14.4	-834	-90940	SLU 52	15366	38145	50429	2.5	45.72	1184	-90465	SLU 49	15029	33497	55356	2.5	28.3	Si
893	5X/2Y Ø8/14.4	-834	-90770	SLU 52	15366	38145	50429	2.5	45.72	1184	-90295	SLU 49	15029	33497	55356	2.5	28.3	Si
922	5X/2Y Ø8/10	-834	-90600	SLU 52	15366	51792	52691	2.35	62.07	1184	-90125	SLU 49	15029	48385	55356	2.5	40.88	Si
951	5X/2Y Ø8/10	-834	-90431	SLU 52	15366	51792	52691	2.35	62.07	1184	-89956	SLU 49	15029	48385	55356	2.5	40.88	Si
980	5X/2Y Ø8/10	-834	-90261	SLU 52	15366	51792	52691	2.35	62.07	1184	-89786	SLU 49	15029	48385	55356	2.5	40.88	Si
1000	4X/2Y Ø8/10	-850	-51620	SLU 52	12732	41434	42074	2.35	48.77	824	-51249	SLU 50	12472	39534	43288	2.5	47.96	Si
1029	4X/2Y Ø8/10	-850	-51478	SLU 52	12714	41434	42055	2.35	48.77	824	-51108	SLU 50	12453	39534	43268	2.5	47.96	Si
1058	4X/2Y Ø8/10	-850	-51337	SLU 52	12697	41434	42036	2.35	48.77	824	-50966	SLU 50	12434	39534	43249	2.5	47.96	Si
1087	4X/2Y Ø8/14.4	-850	-51196	SLU 52	12679	30516	40213	2.5	35.92	824	-50825	SLU 50	12415	27370	43229	2.5	33.2	Si
1116	4X/2Y Ø8/14.4	-850	-51054	SLU 52	12662	30516	40195	2.5	35.92	824	-50684	SLU 50	12396	27370	43210	2.5	33.2	Si
1145	4X/2Y Ø8/14.4	-850	-50913	SLU 52	12644	30516	40177	2.5	35.92	824	-50542	SLU 50	12377	27370	43190	2.5	33.2	Si
1174	4X/2Y Ø8/14.4	-850	-50772	SLU 52	12626	30516	40159	2.5	35.92	824	-50401	SLU 50	12358	27370	43171	2.5	33.2	Si
1203	4X/2Y Ø8/14.4	-850	-50630	SLU 52	12609	30516	40140	2.5	35.92	824	-50260	SLU 50	12339	27370	43151	2.5	33.2	Si
1232	4X/2Y Ø8/10	-850	-50489	SLU 52	12591	41434	41921	2.35	48.77	824	-50118	SLU 50	12320	39534	43131	2.5	47.96	Si
1261	4X/2Y Ø8/10	-850	-50347	SLU 52	12574	41434	41902	2.35	48.77	824	-49977	SLU 50	12301	39534	43112	2.5	47.96	Si
1290	4X/2Y Ø8/10	-850	-50206	SLU 52	12556	41434	41883	2.35	48.77	824	-49835	SLU 50	12282	39534	43092	2.5	47.96	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	6X/2Y Ø8/10	-1256	-108310	SLV 5	17927	60828	62389	2.3	48.45	-5083	-110885	SLV 15	17432	57236	65483	2.5	11.26	Si
-111	6X/2Y Ø8/10	-1256	-108159	SLV 5	17927	60828	62389	2.3	48.45	-5083	-110733	SLV 15	17432	57236	65483	2.5	11.26	Si
-81	6X/2Y Ø8/10	-1256	-108004	SLV 5	17927	60828	62389	2.3	48.45	-5083	-110578	SLV 15	17432	57236	65483	2.5	11.26	Si
-52	6X/2Y Ø8/10	-1256	-107850	SLV 5	17927	60828	62389	2.3	48.45	-5083	-110424	SLV 15	17432	57236	65483	2.5	11.26	Si
-22	6X/2Y Ø8/15	-1256	-107695	SLV 5	17927	44078	58834	2.5	35.11	-5083	-110269	SLV 15	17432	38157	65483	2.5	7.51	Si
7	6X/2Y Ø8/15	-1256	-107541	SLV 5	17927	44078	58834	2.5	35.11	-5083	-110115	SLV 15	17432	38157	65483	2.5	7.51	Si
36	6X/2Y Ø8/15	-1256	-107387	SLV 5	17927	44078	58834	2.5	35.11	-5083	-109961	SLV 15	17432	38157	65483	2.5	7.51	Si
66	6X/2Y Ø8/15	-1256	-107232	SLV 5	17927	44078	58834	2.5	35.11	-5083	-109806	SLV 15	17432	38157	65483	2.5	7.51	Si
95	6X/2Y Ø8/15	-1256	-107078	SLV 5	17927	44078	58834	2.5	35.11	-5083	-109652	SLV 15	17432	38157	65483	2.5	7.51	Si
125	6X/2Y Ø8/15	-1256	-106922	SLV 5	17927	44078	58834	2.5	35.11	-5083	-109496	SLV 15	17432	38157	65483	2.5	7.51	Si
154	6X/2Y Ø8/15	-1256	-106769	SLV 5	17927	44078	58834	2.5	35.11	-5083	-109343	SLV 15	17432	38157	65483	2.5	7.51	Si
184	6X/2Y Ø8/15	-1256	-106615	SLV 5	17927	44078	58834	2.5	35.11	-5083	-109189	SLV 15	17432	38157	65483	2.5	7.51	Si
213	6X/2Y Ø8/15	-1256	-106462	SLV 5	17927	44078	58834	2.5	35.11	-5083	-109037	SLV 15	17432	38157	65483	2.5	7.51	Si
242	6X/2Y Ø8/10	-1256	-106306	SLV 5	17927	60828	62389	2.3	48.45	-5083	-108880	SLV 15	17432	57236	65483	2.5	11.26	Si
272	6X/2Y Ø8/10	-1256	-106151	SLV 5	17927	60828	62389	2.3	48.45	-5083	-108725	SLV 15	17432	57236	65483	2.5	11.26	Si
301	6X/2Y Ø8/10	-1256	-105997	SLV 5	17927	60828	62389	2.3	48.45	-5083	-108571	SLV 15	17432	57236	65483	2.5	11.26	Si
331	6X/2Y Ø8/10	-1256	-105842	SLV 5	17927	60828	62389	2.3	48.45	-5083	-108417	SLV 15	17432	57236	65483	2.5	11.26	Si
360	6X/2Y Ø8/10	-1256	-105691	SLV 5	17927	60828	62389	2.3	48.45	-5083	-108265	SLV 15	17432	57236	65483	2.5	11.26	Si
380	6X/2Y Ø8/10	-2653	-76954	SLV 5	17927	59506	61325	2.25	22.43	3561	-75598	SLV 1	17432	57236	63223	2.5	16.07	Si
409	6X/2Y Ø8/10	-2653	-76802	SLV 5	17927	59506	61304	2.25	22.43	3561	-75445	SLV 1	17432	57236	63201	2.5	16.07	Si
438	6X/2Y Ø8/10	-2653	-76650	SLV 5	17927	59506	61283	2.25	22.43	3561	-75293	SLV 1	17432	57236	63179	2.5	16.07	Si
467	6X/2Y Ø8/14.4	-2653	-76497	SLV 5	17927	45774	56920	2.5	17.25	3561	-75141	SLV 1	17432	39625	63157	2.5	11.13	Si
496	6X/2Y Ø8/14.4	-2653	-76345	SLV 5	17927	45774	56900	2.5	17.25	3561	-74989	SLV 1	17432	39625	63136	2.5	11.13	Si
525	6X/2Y Ø8/14.4	-2653	-76193	SLV 5	17927	45774	56880	2.5	17.25	3561	-74836	SLV 1	17432	39625	63114	2.5	11.13	Si
554	6X/2Y Ø8/14.4	-2653	-76041	SLV 5	17927	45774	56861	2.5	17.25	3561	-74684	SLV 1	17432	39625	63092	2.5	11.13	Si
583	6X/2Y Ø8/14.4	-2653	-75888	SLV 5	17927	45774	56841	2.5	17.25	3561	-74532	SLV 1	17432	39625	63070	2.5	11.13	Si
612	6X/2Y Ø8/10	-2653	-75736	SLV 5	17927	59506	61156	2.25	22.43	3561	-74380	SLV 1	17432	57236	63048	2.5	16.07	Si
641	6X/2Y Ø8/10	-2653	-75584	SLV 5	17927	59506	61135	2.25	22.43	3561	-74227	SLV 1	17432	57236	63027	2.5	16.07	Si
670	6X/2Y Ø8/10	-2653	-75432	SLV 5	17927	59506	61114	2.25	22.43	3561	-74075	SLV 1	17432	57236	63005	2.5	16.07	Si
690	5X/2Y Ø8/10	-2407	-51193	SLV 5	13940	49588	50517	2.25	20.6	3741	-49893	SLV 1	13286	48385	51339	2.5	12.93	Si
719	5X/2Y Ø8/10	-2407	-51062	SLV 5	13924	49588	50499	2.25	20.6	3741	-49763	SLV 1	13268	48385	51320	2.5	12.93	Si
748	5X/2Y Ø8/10	-2407	-50932	SLV 5	13907	49588	50481	2.25	20.6	3741	-49632	SLV 1	13250	48385	51302	2.5	12.93	Si
777	5X/2Y Ø8/14.4	-2407	-50801	SLV 5	13891	38145	46886	2.5	15.85	3741	-49502	SLV 1	13232	33497	51284	2.5	8.95	Si
806	5X/2Y Ø8/14.4	-2407	-50671	SLV 5	13875	38145	46869	2.5	15.85	3741	-49371	SLV 1	13214	33497	51265	2.5	8.95	Si
835	5X/2Y Ø8/14.4	-2407	-50540	SLV 5	13859	38145	46853	2.5	15.85	3741	-49241	SLV 1	13196	33497	51247	2.5	8.95	Si
864	5X/2Y Ø8/14.4	-2407	-50410	SLV 5	13842	38145	46836	2.5	15.85	3741	-49110	SLV 1	13179	33497	51228	2.5	8.95	Si
893	5X/2Y Ø8/14.4	-2407	-50279	SLV 5	13826	38145	46819	2.5	15.85	3741	-48980	SLV 1	13161	33497	51210	2.5	8.95	Si
922	5X/2Y Ø8/10	-2407	-50149	SLV 5	13810	49588	50373	2.25	20.6	3741	-48849	SLV 1	13143	48385	51191	2.5	12.93	Si
951	5X/2Y Ø8/10	-2407	-50018	SLV 5	13794	49588	50355	2.25	20.6	3741	-48719	SLV 1	13125	48385	51173	2.5	12.93	Si
980	5X/2Y Ø8/10	-2407	-49888	SLV 5	13777	49588	50337	2.25	20.6	3741	-48588	SLV 1	13107	48385	51154	2.5	12.93	Si
1000	4X/2Y Ø8/10	-2348	-27937	SLV 9	9784	39671	40057	2.25	16.89	3764	-24624	SLV 1	8904	39534	39597	2.5	10.5	Si
1029	4X/2Y Ø8/10	-2348	-27828	SLV 9	9770	39671	40042	2.25	16.89	3764	-24515	SLV 1	8890	39534	39582	2.5	10.5	Si
1058	4X/2Y Ø8/10	-2348	-27720	SLV 9	9756	39671	40027	2.25	16.89	3764	-24406	SLV 1	8875	39534	39567	2.5	10.5	Si
1087	4X/2Y Ø8/14.4	-2348	-27611	SLV 9	9743	30516	37176	2.5	12.99	3764	-24297	SLV 1	8860	27370	39552	2.5	7.27	Si
1116	4X/2Y Ø8/14.4	-2348	-27502	SLV 9	9729	30516	37162	2.5	12.99	3764	-24189	SLV 1	8846	27370	39537	2.5	7.27	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1145	4X/2Y Ø8/14.4	-2348	-27393	SLV 9	9716	30516	37148	2.5	12.99	3764	-24080	SLV 1	8831	27370	39522	2.5	7.27	Si
1174	4X/2Y Ø8/14.4	-2348	-27285	SLV 9	9702	30516	37134	2.5	12.99	3764	-23971	SLV 1	8817	27370	39507	2.5	7.27	Si
1203	4X/2Y Ø8/14.4	-2348	-27176	SLV 9	9689	30516	37120	2.5	12.99	3764	-23862	SLV 1	8802	27370	39492	2.5	7.27	Si
1232	4X/2Y Ø8/10	-2348	-27067	SLV 9	9675	39671	39936	2.25	16.89	3764	-23754	SLV 1	8788	38743	40055	2.45	10.29	Si
1261	4X/2Y Ø8/10	-2348	-26958	SLV 9	9662	39671	39921	2.25	16.89	3764	-23645	SLV 1	8773	38743	40039	2.45	10.29	Si
1290	4X/2Y Ø8/10	-2348	-26850	SLV 9	9648	39671	39906	2.25	16.89	3764	-23536	SLV 1	8758	38743	40024	2.45	10.29	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	6X/2Y Ø8/10	-564	-107764	SLD 5	22244	66118	58834	2.5	104.39	-2046	-108778	SLD 15	22378	57236	65483	2.5	27.98	Si
-111	6X/2Y Ø8/10	-564	-107612	SLD 5	22225	66118	58834	2.5	104.39	-2046	-108626	SLD 15	22356	57236	65483	2.5	27.98	Si
-81	6X/2Y Ø8/10	-564	-107458	SLD 5	22206	66118	58834	2.5	104.39	-2046	-108472	SLD 15	22335	57236	65483	2.5	27.98	Si
-52	6X/2Y Ø8/10	-564	-107304	SLD 5	22187	66118	58834	2.5	104.39	-2046	-108317	SLD 15	22314	57236	65483	2.5	27.98	Si
-22	6X/2Y Ø8/15	-564	-107149	SLD 5	22168	44078	58834	2.5	78.21	-2046	-108163	SLD 15	22292	38157	65483	2.5	18.65	Si
7	6X/2Y Ø8/15	-564	-106995	SLD 5	22148	44078	58834	2.5	78.21	-2046	-108009	SLD 15	22271	38157	65483	2.5	18.65	Si
36	6X/2Y Ø8/15	-564	-106840	SLD 5	22129	44078	58834	2.5	78.21	-2046	-107854	SLD 15	22249	38157	65483	2.5	18.65	Si
66	6X/2Y Ø8/15	-564	-106686	SLD 5	22110	44078	58834	2.5	78.21	-2046	-107700	SLD 15	22228	38157	65483	2.5	18.65	Si
95	6X/2Y Ø8/15	-564	-106531	SLD 5	22091	44078	58834	2.5	78.21	-2046	-107545	SLD 15	22207	38157	65483	2.5	18.65	Si
125	6X/2Y Ø8/15	-564	-106375	SLD 5	22071	44078	58834	2.5	78.21	-2046	-107389	SLD 15	22185	38157	65483	2.5	18.65	Si
154	6X/2Y Ø8/15	-564	-106223	SLD 5	22052	44078	58834	2.5	78.21	-2046	-107237	SLD 15	22164	38157	65483	2.5	18.65	Si
184	6X/2Y Ø8/15	-564	-106068	SLD 5	22033	44078	58834	2.5	78.21	-2046	-107082	SLD 15	22143	38157	65483	2.5	18.65	Si
213	6X/2Y Ø8/15	-564	-105916	SLD 5	22014	44078	58834	2.5	78.21	-2046	-106930	SLD 15	22121	38157	65483	2.5	18.65	Si
242	6X/2Y Ø8/10	-564	-105759	SLD 5	21995	66118	58834	2.5	104.39	-2046	-106773	SLD 15	22100	57236	65483	2.5	27.98	Si
272	6X/2Y Ø8/10	-564	-105605	SLD 5	21975	66118	58834	2.5	104.39	-2046	-106619	SLD 15	22078	57236	65483	2.5	27.98	Si
301	6X/2Y Ø8/10	-564	-105451	SLD 5	21956	66118	58834	2.5	104.39	-2046	-106465	SLD 15	22057	57236	65483	2.5	27.98	Si
331	6X/2Y Ø8/10	-564	-105296	SLD 5	21937	66118	58834	2.5	104.39	-2046	-106310	SLD 15	22036	57236	65483	2.5	27.98	Si
360	6X/2Y Ø8/10	-564	-105144	SLD 5	21918	66118	58834	2.5	104.39	-2046	-106158	SLD 15	22014	57236	65483	2.5	27.98	Si
380	6X/2Y Ø8/10	-1329	-78842	SLD 5	18643	66118	57222	2.5	43.06	1999	-78306	SLD 1	18155	57236	63611	2.5	28.63	Si
409	6X/2Y Ø8/10	-1329	-78690	SLD 5	18624	66118	57202	2.5	43.05	1999	-78154	SLD 1	18134	57236	63589	2.5	28.63	Si
438	6X/2Y Ø8/10	-1329	-78537	SLD 5	18605	66118	57182	2.5	43.03	1999	-78002	SLD 1	18113	57236	63568	2.5	28.63	Si
467	6X/2Y Ø8/14.4	-1329	-78385	SLD 5	18586	45774	57163	2.5	34.45	1999	-77849	SLD 1	18092	39625	63546	2.5	19.82	Si
496	6X/2Y Ø8/14.4	-1329	-78233	SLD 5	18568	45774	57143	2.5	34.45	1999	-77697	SLD 1	18071	39625	63524	2.5	19.82	Si
525	6X/2Y Ø8/14.4	-1329	-78081	SLD 5	18549	45774	57124	2.5	34.45	1999	-77545	SLD 1	18050	39625	63502	2.5	19.82	Si
554	6X/2Y Ø8/14.4	-1329	-77928	SLD 5	18530	45774	57104	2.5	34.45	1999	-77393	SLD 1	18028	39625	63480	2.5	19.82	Si
583	6X/2Y Ø8/14.4	-1329	-77776	SLD 5	18511	45774	57084	2.5	34.45	1999	-77240	SLD 1	18007	39625	63458	2.5	19.82	Si
612	6X/2Y Ø8/10	-1329	-77624	SLD 5	18492	66118	57065	2.5	42.95	1999	-77088	SLD 1	17986	57236	63437	2.5	28.63	Si
641	6X/2Y Ø8/10	-1329	-77472	SLD 5	18473	66118	57045	2.5	42.93	1999	-76936	SLD 1	17965	57236	63415	2.5	28.63	Si
670	6X/2Y Ø8/10	-1329	-77319	SLD 5	18454	66118	57026	2.5	42.92	1999	-76784	SLD 1	17944	57236	63393	2.5	28.63	Si
690	5X/2Y Ø8/10	-1210	-52935	SLD 5	14157	55098	47161	2.5	38.97	1943	-52419	SLD 1	13631	48385	51696	2.5	24.9	Si
719	5X/2Y Ø8/10	-1210	-52804	SLD 5	14141	55098	47144	2.5	38.95	1943	-52289	SLD 1	13613	48385	51678	2.5	24.9	Si
748	5X/2Y Ø8/10	-1210	-52674	SLD 5	14124	55098	47127	2.5	38.94	1943	-52158	SLD 1	13595	48385	51659	2.5	24.9	Si
777	5X/2Y Ø8/14.4	-1210	-52543	SLD 5	14108	38145	47111	2.5	31.52	1943	-52028	SLD 1	13577	33497	51641	2.5	17.24	Si
806	5X/2Y Ø8/14.4	-1210	-52413	SLD 5	14092	38145	47094	2.5	31.52	1943	-51897	SLD 1	13559	33497	51622	2.5	17.24	Si
835	5X/2Y Ø8/14.4	-1210	-52282	SLD 5	14076	38145	47077	2.5	31.52	1943	-51767	SLD 1	13542	33497	51604	2.5	17.24	Si
864	5X/2Y Ø8/14.4	-1210	-52152	SLD 5	14059	38145	47060	2.5	31.52	1943	-51636	SLD 1	13524	33497	51585	2.5	17.24	Si
893	5X/2Y Ø8/14.4	-1210	-52021	SLD 5	14043	38145	47043	2.5	31.52	1943	-51506	SLD 1	13506	33497	51567	2.5	17.24	Si
922	5X/2Y Ø8/10	-1210	-51891	SLD 5	14027	55098	47027	2.5	38.86	1943	-51375	SLD 1	13488	48385	51548	2.5	24.9	Si
951	5X/2Y Ø8/10	-1210	-51760	SLD 5	14011	55098	47010	2.5	38.84	1943	-51245	SLD 1	13470	48385	51530	2.5	24.9	Si
980	5X/2Y Ø8/10	-1210	-51630	SLD 5	13994	55098	46993	2.5	38.83	1943	-51114	SLD 1	13452	48385	51512	2.5	24.9	Si
1000	4X/2Y Ø8/10	-1201	-28319	SLD 9	9831	44078	37267	2.5	31.02	1758	-27001	SLD 1	9223	39534	39927	2.5	22.48	Si
1029	4X/2Y Ø8/10	-1201	-28210	SLD 9	9818	44078	37253	2.5	31.01	1758	-26892	SLD 1	9208	39534	39912	2.5	22.48	Si
1058	4X/2Y Ø8/10	-1201	-28101	SLD 9	9804	44078	37239	2.5	31	1758	-26784	SLD 1	9194	39534	39897	2.5	22.48	Si
1087	4X/2Y Ø8/14.4	-1201	-27993	SLD 9	9790	30516	37225	2.5	25.4	1758	-26675	SLD 1	9179	27370	39882	2.5	15.57	Si
1116	4X/2Y Ø8/14.4	-1201	-27884	SLD 9	9777	30516	37211	2.5	25.4	1758	-26566	SLD 1	9164	27370	39867	2.5	15.57	Si
1145	4X/2Y Ø8/14.4	-1201	-27775	SLD 9	9763	30516	37197	2.5	25.4	1758	-26457	SLD 1	9150	27370	39852	2.5	15.57	Si
1174	4X/2Y Ø8/14.4	-1201	-27666	SLD 9	9750	30516	37183	2.5	25.4	1758	-26349	SLD 1	9135	27370	39836	2.5	15.57	Si
1203	4X/2Y Ø8/14.4	-1201	-27558	SLD 9	9736	30516	37169	2.5	25.4	1758	-26240	SLD 1	9121	27370	39821	2.5	15.57	Si
1232	4X/2Y Ø8/10	-1201	-27449	SLD 9	9723	44078	37155	2.5	30.93	1758	-26131	SLD 1	9106	39534	39806	2.5	22.48	Si
1261	4X/2Y Ø8/10	-1201	-27340	SLD 9	9709	44078	37141	2.5	30.91	1758	-26022	SLD 1	9092	39534	39791	2.5	22.48	Si
1290	4X/2Y Ø8/10	-1201	-27231	SLD 9	9696	44078	37127	2.5	30.9	1758	-25914	SLD 1	9077	39534	39776	2.5	22.48	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	732174	11649	-117777	SLE RA 7	-74.1	732174	11649	-117777	SLE RA 7	-1049.2	Si
-111	659611	9751	-117625	SLE RA 7	-71.4	659611	9751	-117625	SLE RA 7	-1014.9	Si
-81	585793	7819	-117471	SLE RA 7	-68.6	585793	7819	-117471	SLE RA 7	-979.9	Si
-52	511974	5888	-117316	SLE RA 7	-65.9	511974	5888	-117316	SLE RA 7	-945	Si
-22	438156	3957	-117162	SLE RA 7	-63.1	438156	3957	-117162	SLE RA 7	-910	Si
7	364338	2025	-117008	SLE RA 7	-60.3	364338	2025	-117008	SLE RA 7	-875.1	Si
36	199255	4875	-124249	SLE RA 13	-57.8	199255	4875	-124249	SLE RA 13	-848.6	Si
66	152702	1527	-124095	SLE RA 13	-55.8	152702	1527	-124095	SLE RA 13	-824.6	Si
95	106149	-1821	-123941	SLE RA 13	-54.2	106149	-1821	-123941	SLE RA 13	-803.3	Si
125	59130	-5203	-123785	SLE RA 13	-52.7	59130	-5203	-123785	SLE RA 13	-784.2	Si
154	34451	-9140	-123540	SLE RA 12	-52.1	34451	-9140	-123540	SLE RA 12	-774.8	Si
184	-33511	-11866	-123477	SLE RA 13	-52.2	-33511	-11866	-123477	SLE RA 13	-776	Si
213	-79365	-15164	-123325	SLE RA 13	-54	-79365	-15164	-123325	SLE RA 13	-797.8	Si
242	-226208	-13426	-115772	SLE RA 7	-55.9	-126617	-18563	-123168	SLE RA 13	-820.3	Si
272	-300027	-15357	-115618	SLE RA 7	-58.6	-300027	-15357	-115618	SLE RA 7	-848.3	Si
301	-373845	-17289	-115464	SLE RA 7	-61.2	-373845	-17289	-115464	SLE RA 7	-881.4	Si
331	-447663	-19220	-115309	SLE RA 7	-63.9	-447663	-19220	-115309	SLE RA 7	-914.4	Si
360	-520226	-21119	-115157	SLE RA 7	-66.5	-520226	-21119	-115157	SLE RA 7	-946.9	Si
380	-606711	87973	-88558	SLE RA 7	-63.9	-606711	87973	-88558	SLE RA 7	-873.4	Si
409	-532194	72315	-88406	SLE RA 7	-60	-532194	72315	-88406	SLE RA 7	-827.8	Si
438	-457678	56657	-88254	SLE RA 7	-56.1	-457678	56657	-88254	SLE RA 7	-782.2	Si
467	-383161	40999	-88101	SLE RA 7	-52.3	-383161	40999	-88101	SLE RA 7	-736.6	Si
496	-308645	25342	-87949	SLE RA 7	-48.4	-308645	25342	-87949	SLE RA 7	-691.1	Si
525	-234129	9684	-87797	SLE RA 7	-44.5	-153912	8652	-93787	SLE RA 13	-645.8	Si
554	-95266	-8974	-93635	SLE RA 13	-42	-95266	-8974	-93635	SLE RA 13	-619.3	Si
583	34222	-29484	-93387	SLE RA 12	-41.4	34222	-29484	-93387	SLE RA 12	-606.3	Si
612	66631	-47466	-93235	SLE RA 12	-43.9	66631	-47466	-93235	SLE RA 12	-633.2	Si
641	99040	-65449	-93083	SLE RA 12	-46.3	99040	-65449	-93083	SLE RA 12	-659	Si
670	131449	-83431	-92930	SLE RA 12	-46.5	139321	-79481	-93026	SLE RA 13	-657.9	Si
690	-95717	84788	-65265	SLE RA 13	-42.1	-102296	81189	-65204	SLE RA 12	-580.3	Si
719	-72064	67552	-65134	SLE RA 13	-40.1	-78240	64519	-65073	SLE RA 12	-560.3	Si
748	-54185	47850	-64943	SLE RA 12	-37.8	-54185	47850	-64943	SLE RA 12	-537.5	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
777	-30129	31180	-64812	SLE RA 12	-35.1	-30129	31180	-64812	SLE RA 12	-507.8	Si
806	-6074	14511	-64682	SLE RA 12	-32.4	-6074	14511	-64682	SLE RA 12	-478	Si
835	22546	-1393	-64612	SLE RA 13	-31.9	22546	-1393	-64612	SLE RA 13	-475.6	Si
864	46198	-18629	-64482	SLE RA 13	-34.6	46198	-18629	-64482	SLE RA 13	-503.7	Si
893	69850	-35866	-64351	SLE RA 13	-37.2	69850	-35866	-64351	SLE RA 13	-531.8	Si
922	93503	-53102	-64221	SLE RA 13	-39.8	93503	-53102	-64221	SLE RA 13	-559.9	Si
951	117155	-70338	-64090	SLE RA 13	-42.4	117155	-70338	-64090	SLE RA 13	-586.9	Si
980	140808	-87575	-63960	SLE RA 13	-42.6	140808	-87575	-63960	SLE RA 13	-584.6	Si
1000	-83705	82301	-36321	SLE RA 11	-34.5	-80288	82954	-36568	SLE RA 13	-453.1	Si
1029	-64817	65440	-36459	SLE RA 13	-32.1	-64817	65440	-36459	SLE RA 13	-430.1	Si
1058	-49345	47926	-36351	SLE RA 13	-29.6	-49345	47926	-36351	SLE RA 13	-404.3	Si
1087	-33874	30412	-36242	SLE RA 13	-26.5	-33874	30412	-36242	SLE RA 13	-372.1	Si
1116	-18403	12898	-36133	SLE RA 13	-23.4	-18403	12898	-36133	SLE RA 13	-339.9	Si
1145	-2931	-4617	-36024	SLE RA 13	-21.4	-2931	-4617	-36024	SLE RA 13	-317.6	Si
1174	15850	-21842	-35669	SLE RA 11	-24	15850	-21842	-35669	SLE RA 11	-343.4	Si
1203	32443	-39199	-35560	SLE RA 11	-27	32443	-39199	-35560	SLE RA 11	-374.5	Si
1232	49035	-56556	-35451	SLE RA 11	-30	49035	-56556	-35451	SLE RA 11	-405.5	Si
1261	65628	-73913	-35342	SLE RA 11	-33	65628	-73913	-35342	SLE RA 11	-436.5	Si
1290	82220	-91270	-35234	SLE RA 11	-34.1	82220	-91270	-35234	SLE RA 11	-444.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	41531	24829	-107415	SLE QP 2	-47	Si
-111	39897	21592	-107263	SLE QP 2	-46.6	Si
-81	38236	18299	-107108	SLE QP 2	-46.3	Si
-52	36574	15005	-106954	SLE QP 2	-45.9	Si
-22	34912	11712	-106800	SLE QP 2	-45.5	Si
7	33250	8419	-106645	SLE QP 2	-45.1	Si
36	31588	5125	-106491	SLE QP 2	-44.8	Si
66	29927	1832	-106336	SLE QP 2	-44.4	Si
95	28265	-1461	-106182	SLE QP 2	-44.2	Si
125	26586	-4787	-106026	SLE QP 2	-44.4	Si
154	24941	-8048	-105873	SLE QP 2	-44.5	Si
184	23280	-11341	-105719	SLE QP 2	-44.6	Si
213	21643	-14585	-105567	SLE QP 2	-44.8	Si
242	19956	-17928	-105410	SLE QP 2	-44.9	Si
272	18294	-21221	-105255	SLE QP 2	-45	Si
301	16632	-24514	-105101	SLE QP 2	-45.2	Si
331	14971	-27807	-104947	SLE QP 2	-45.3	Si
360	13337	-31045	-104795	SLE QP 2	-45.4	Si
380	-168998	75075	-80063	SLE QP 2	-44.2	Si
409	-140172	61165	-79911	SLE QP 2	-42.1	Si
438	-111346	47254	-79758	SLE QP 2	-39.9	Si
467	-82521	33343	-79606	SLE QP 2	-37.8	Si
496	-53695	19432	-79454	SLE QP 2	-35.7	Si
525	-24870	5521	-79302	SLE QP 2	-33.5	Si
554	3956	-8390	-79149	SLE QP 2	-32.9	Si
583	32781	-22301	-78997	SLE QP 2	-35	Si
612	61607	-36212	-78845	SLE QP 2	-37	Si
641	90432	-50123	-78693	SLE QP 2	-38.9	Si
670	119258	-64034	-78540	SLE QP 2	-39.1	Si
690	-97228	61825	-54066	SLE QP 2	-35	Si
719	-74424	49093	-53935	SLE QP 2	-33.3	Si
748	-51620	36361	-53805	SLE QP 2	-31.4	Si
777	-28815	23629	-53674	SLE QP 2	-29.1	Si
806	-6011	10897	-53544	SLE QP 2	-26.8	Si
835	16793	-1835	-53413	SLE QP 2	-26.4	Si
864	39597	-14567	-53283	SLE QP 2	-28.6	Si
893	62401	-27299	-53152	SLE QP 2	-30.7	Si
922	85205	-40031	-53022	SLE QP 2	-32.9	Si
951	108010	-52763	-52891	SLE QP 2	-35	Si
980	130814	-65495	-52761	SLE QP 2	-35.2	Si
1000	-70500	62733	-28563	SLE QP 2	-27.2	Si
1029	-57587	49626	-28455	SLE QP 2	-25.4	Si
1058	-44673	36519	-28346	SLE QP 2	-23.4	Si
1087	-31760	23412	-28237	SLE QP 2	-21	Si
1116	-18847	10306	-28128	SLE QP 2	-18.6	Si
1145	-5934	-2801	-28020	SLE QP 2	-16.8	Si
1174	6979	-15908	-27911	SLE QP 2	-18.3	Si
1203	19893	-29015	-27802	SLE QP 2	-20.5	Si
1232	32806	-42121	-27693	SLE QP 2	-22.8	Si
1261	45719	-55228	-27585	SLE QP 2	-25.1	Si
1290	58632	-68335	-27476	SLE QP 2	-26	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

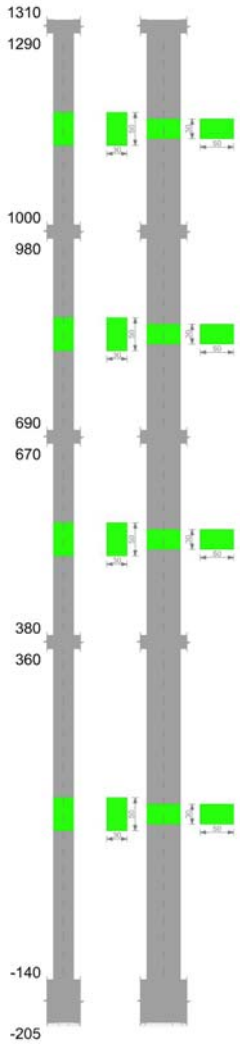
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.

Pilastro 20A

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x50	No	No	No	No		C30/37	B450C	
380	670	R 30x50	No	No	No	No		C30/37	B450C	
690	980	R 30x50	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.67	-19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.67	19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.67	19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.9	-6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.9	6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.9	-6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.9	6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.2	-9.67	-19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.67	-19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.67	19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.67	19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.9	-6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.9	6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.9	-6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.9	6.9	1.6	2.011	-140	380	R 30x50	B450C
p.3	-9.67	-19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	9.67	-19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	9.67	19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.67	19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.9	-6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.9	6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	9.9	-6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	9.9	6.9	1.6	2.011	380	690	R 30x50	B450C
p.4	-9.67	-19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.67	-19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.67	19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.67	19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.9	-6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.9	6.9	1.6	2.011	690	1000	R 30x50	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.4	9.9	-6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.9	6.9	1.6	2.011	690	1000	R 30x50	B450C
p.5	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.6	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.6	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.6	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.6	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2.1	0	1,2	248810	-248810	-91727	667210	-667210	SLU 52	2.682	Si
-111	16.08	2.1	0	1,2	248427	-248427	-91586	667210	-667210	SLU 52	2.686	Si
-81	16.08	1.1	0	2	248038	248038	-91443	667210	667210	SLU 52	2.69	Si
-52	16.08	1.1	0	2	247649	247649	-91299	667210	667210	SLU 52	2.694	Si
-22	16.08	1.1	0	2	247261	247261	-91156	667210	667210	SLU 52	2.698	Si
7	16.08	1.1	0	2	246872	246872	-91013	667210	667210	SLU 52	2.703	Si
36	16.08	1.1	0	2	246483	246483	-90869	667210	667210	SLU 52	2.707	Si
66	16.08	1.1	0	2	246094	246094	-90726	667210	667210	SLU 52	2.711	Si
95	16.08	1.1	0	2	245705	245705	-90582	667210	667210	SLU 52	2.715	Si
125	16.08	1.1	0	2	245312	245312	-90438	667210	667210	SLU 52	2.72	Si
154	16.08	1.1	0	2	244927	244927	-90296	667210	667210	SLU 52	2.724	Si
184	16.08	1.1	0	2	244538	244538	-90152	667210	667210	SLU 52	2.728	Si
213	16.08	1.1	0	2	244155	244155	-90011	667210	667210	SLU 52	2.733	Si
242	16.08	1.1	0	2	243760	243760	-89866	667210	667210	SLU 52	2.737	Si
272	16.08	1.1	0	2	243371	243371	-89722	667210	667210	SLU 52	2.742	Si
301	16.08	1.1	0	2	242982	242982	-89579	667210	667210	SLU 52	2.746	Si
331	16.08	1.1	0	2	242593	242593	-89435	667210	667210	SLU 52	2.75	Si
360	16.08	1.1	0	2	-242211	242211	-89294	-667210	667210	SLU 52	2.755	Si
380	16.08	2.1	0	2,3	134628	-272408	-67314	450844	-912244	SLU 51	3.349	Si
409	16.08	2.1	0	2,3	134345	-221198	-67173	479671	-789774	SLU 51	3.57	Si
438	16.08	1.1	0	3	134062	-169988	-67031	509203	-645658	SLU 51	3.798	Si
467	16.08	1.1	0	3	133780	-133780	-66890	530708	-530708	SLU 51	3.967	Si
496	16.08	1.1	0	3	133497	-133497	-66748	530708	-530708	SLU 51	3.975	Si
525	16.08	1.1	0	3	-133214	-133214	-66607	-530708	-530708	SLU 51	3.984	Si
554	16.08	1.1	0	3	-132931	132931	-66466	-530708	530708	SLU 51	3.992	Si
583	16.08	1.1	0	3	-132649	132649	-66324	-530708	530708	SLU 51	4.001	Si
612	16.08	1.1	0	3	-132235	143800	-66118	-523696	569498	SLU 52	3.96	Si
641	16.08	1.1	0	3	-131953	189862	-65976	-495390	712798	SLU 52	3.754	Si
670	16.08	1.1	0	3	-131800	239691	-65900	-466260	847937	SLU 51	3.538	Si
690	16.08	2.1	0	3,4	107662	-200868	-43673	525229	-979928	SLU 52	4.878	Si
719	16.08	2.1	0	3,4	87136	-161553	-43568	463549	-859430	SLU 51	5.32	Si
748	16.08	1.1	0	4	86854	-121829	-43427	498249	-698887	SLU 51	5.737	Si
777	16.08	1.1	0	4	86584	-86584	-43292	530708	-530708	SLU 49	6.129	Si
806	16.08	1.1	0	4	86301	-86301	-43151	530708	-530708	SLU 49	6.15	Si
835	16.08	1.1	0	4	-86018	-86018	-43009	-530708	-530708	SLU 49	6.17	Si
864	16.08	1.1	0	4	-85736	85736	-42868	-530708	530708	SLU 49	6.19	Si
893	16.08	1.1	0	4	-85453	85453	-42726	-530708	530708	SLU 49	6.211	Si
922	16.08	1.1	0	4	-85157	116516	-42579	-501009	685504	SLU 51	5.883	Si
951	16.08	1.1	0	4	-84874	156240	-42437	-464552	855165	SLU 51	5.473	Si
980	16.08	1.1	0	4	-95908	195964	-42296	-484006	988949	SLU 51	5.047	Si
1000	16.08	2.1	0	4,5,6	71325	-262002	-19936	387687	-1424106	SLU 51	5.435	Si
1029	16.08	2.1	0	4,5,6	54727	-202850	-19794	372756	-1381662	SLU 51	6.811	Si
1058	16.08	1.1	0	5,6	39306	-143698	-19653	344392	-1259058	SLU 51	8.762	Si
1087	16.08	1.1	0	5,6	39023	-84547	-19512	440374	-954098	SLU 51	11.285	Si
1116	16.08	1.1	0	5,6	38768	-38768	-19384	530708	-530708	SLU 49	13.689	Si
1145	16.08	1.1	0	5,6	-38485	38485	-19243	-530708	530708	SLU 49	13.79	Si
1174	16.08	1.1	0	5,6	-38203	92870	-19101	-421508	1024678	SLU 49	11.033	Si
1203	16.08	1.1	0	5,6	-44865	152061	-18946	-381919	1294432	SLU 51	8.513	Si
1232	16.08	1.1	0	5,6	-61464	211213	-18805	-406234	1395973	SLU 51	6.609	Si
1261	16.08	1.1	0	5,6	-78063	270365	-18663	-405463	1404299	SLU 51	5.194	Si
1290	22.11	2.1	0	5,6	-94661	329517	-18522	-455881	1586927	SLU 51	4.816	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	16.08	2.1	0	1,2	646709	258758	-53100	-2.02	1.92	1329273	531862	SLV 5	2.055				Si
-111	16.08	2.1	0	1,2	599742	240237	-52991	-2.02	1.92	1324170	530420	SLV 5	2.208				Si
-81	16.08	1.1	0	2	551990	221398	-52881	-2.02	1.92	1313092	526670	SLV 5	2.379				Si
-52	16.08	1.1	0	2	504276	202562	-52771	-2.02	1.92	1294573	520016	SLV 5	2.567				Si
-22	16.08	1.1	0	2	456614	183730	-52660	-2.02	1.92	1266273	509518	SLV 5	2.773				Si
7	16.08	1.1	0	2	409015	164903	-52550	-2.02	1.92	1225663	494153	SLV 5	2.997				Si
36	16.08	1.1	0	2	361507	146085	-52440	-2.02	1.92	1170197	472877	SLV 5	3.237				Si
66	16.08	1.1	0	2	314140	127281	-52330	-2.02	1.92	1097697	444758	SLV 5	3.494				Si
95	16.08	1.1	0	2	266975	108503	-52219	-2.02	1.92	1005973	408844	SLV 5	3.768				Si
125	16.08	1.1	0	2	219658	89589	-52108	-2.02	1.92	892655	364075	SLV 5	4.064				Si
154	16.08	1.1	0	2	-165602	11678	-59727	-2.02	1.92	-718776	50687	SLV 11	4.34				Si
184	16.08	1.1	0	2	-91964	20969	-61365	-2.02	1.92	-407283	92867	SLV 15	4.429				Si
213	16.08	1.1	0	2	-67545	47911	-61257	-2.02	1.92	-299670	212563	SLV 15	4.437				Si
242	16.08	1.1	0	2	-49096	64470	-61145	-2.02	1.92	-218215	286549	SLV 15	4.445				Si
272	16.08	1.1	0	2	-30274	94241	-61034	-2.02	1.92	-130154	405164	SLV 15	4.299				Si
301	16.08	1.1	0	2	-19830	117639	-60924	-2.02	1.92	-82653	490327	SLV 15	4.168				Si
331	16.08	1.1	0	2	-26908	141154	-60814	-2.02	1.92	-107427	563531	SLV 15	3.992				Si
360	16.08	1.1	0	2	-35354	164311	-60705	-2.02	1.92	-135375	629177	SLV 15	3.829				Si
380	16.08	2.1	0	2,3	-60719	-323630	-45484	-2.02	1.92	-201483	-1073909	SLV 15	3.318				Si
409	16.08	2.1	0	2,3	-48069	-259820	-45375	-2.02	1.92	-184224	-995750	SLV 15	3.832				Si
438	16.08	1.1	0	3	-38276	-196166	-45266	-2.02	1.92	-168161	-861839	SLV 15	4.393				Si
467	16.08	1.1	0	3	-34304	-132938	-45158	-2.02	1.92	-171385	-664173	SLV 15	4.996				Si
496	16.08	1.1	0	3	63847	-62289	-43741	-2.02	1.92	368284	-359294	SLV 11	5.768				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
525	16.08	1.1	0	3	58607	-3191	-44940	-2.02	1.92	354415	-19296	SLV 15	6.047				Si
554	16.08	1.1	0	3	67913	64426	-44831	-2.02	1.92	380547	361011	SLV 15	5.603				Si
583	16.08	1.1	0	3	80320	127089	-44723	-2.02	1.92	390844	618425	SLV 15	4.866				Si
612	16.08	1.1	0	3	94279	190589	-44614	-2.02	1.92	400956	810546	SLV 15	4.253				Si
641	16.08	1.1	0	3	109082	254337	-44505	-2.02	1.92	402759	939082	SLV 15	3.692				Si
670	16.08	1.1	0	3	124381	318191	-44396	-2.02	1.92	396438	1014163	SLV 15	3.187				Si
690	16.08	2.1	0	3,4	184679	-248061	-28106	-2.02	1.92	684793	-919816	SLV 13	3.708				Si
719	16.08	2.1	0	3,4	149188	-198511	-27998	-2.02	1.92	679968	-904772	SLV 13	4.558				Si
748	16.08	1.1	0	4	115477	-149086	-27889	-2.02	1.92	651798	-841496	SLV 13	5.644				Si
777	16.08	1.1	0	4	85344	-99975	-27780	-2.02	1.92	591562	-692972	SLV 13	6.931				Si
806	16.08	1.1	0	4	62630	-54664	-27671	-2.02	1.92	519572	-453483	SLV 13	8.296				Si
835	16.08	1.1	0	4	53048	10991	-28218	-2.02	1.92	509782	105622	SLV 15	9.61				Si
864	16.08	1.1	0	4	56506	64013	-28109	-2.02	1.92	455084	515543	SLV 15	8.054				Si
893	16.08	1.1	0	4	66747	120181	-28001	-2.02	1.92	446187	803382	SLV 15	6.685				Si
922	16.08	1.1	0	4	79966	177754	-27892	-2.02	1.92	435473	967999	SLV 15	5.446				Si
951	16.08	1.1	0	4	94639	235697	-27783	-2.02	1.92	416612	1037564	SLV 15	4.402				Si
980	16.08	1.1	0	4	110106	293789	-27674	-2.02	1.92	397038	1059392	SLV 15	3.606				Si
1000	16.08	2.1	0	4,5,6	72723	-318825	-11705	-2.02	1.92	218813	-959299	SLV 15	3.009				Si
1029	16.08	2.1	0	4,5,6	58850	-248006	-11596	-2.02	1.92	256077	-1079155	SLV 15	4.351				Si
1058	16.08	1.1	0	5,6	45768	-177276	-11487	-2.02	1.92	285780	-1106924	SLV 15	6.244				Si
1087	16.08	1.1	0	5,6	52761	-98680	-11625	-2.02	1.92	529867	-991015	SLV 13	10.043				Si
1116	16.08	1.1	0	5,6	41105	-35000	-11270	-2.02	1.92	712081	-606321	SLV 15	17.323				Si
1145	16.08	1.1	0	5,6	43430	38721	-11161	-2.02	1.92	728603	649600	SLV 15	16.777				Si
1174	16.08	1.1	0	5,6	52903	107985	-11052	-2.02	1.92	495902	1012230	SLV 15	9.374				Si
1203	16.08	1.1	0	5,6	65289	178548	-10943	-2.02	1.92	384185	1050646	SLV 15	5.884				Si
1232	16.08	1.1	0	5,6	78936	249311	-10835	-2.02	1.92	314957	994758	SLV 15	3.99				Si
1261	16.08	1.1	0	5,6	93206	320143	-10726	-2.02	1.92	260292	894049	SLV 15	2.793				Si
1290	22.11	2.1	0	5,6	107821	391008	-10617	-2.02	1.92	301851	1094645	SLV 15	2.8				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2.1	0	1,2	272493	136497	-55457	948418	475080	SLD 5	3.481	Si
-111	16.08	2.1	0	1,2	252355	128251	-55349	906153	460522	SLD 5	3.591	Si
-81	16.08	1.1	0	2	231885	119863	-55238	859545	444306	SLD 5	3.707	Si
-52	16.08	1.1	0	2	211438	111477	-55128	809153	426613	SLD 5	3.827	Si
-22	16.08	1.1	0	2	191022	103094	-55018	755012	407477	SLD 5	3.952	Si
7	16.08	1.1	0	2	170645	94713	-54907	697205	386970	SLD 5	4.086	Si
36	16.08	1.1	0	2	150324	86338	-54797	635562	365033	SLD 5	4.228	Si
66	16.08	1.1	0	2	130089	77971	-54687	569793	341516	SLD 5	4.38	Si
95	16.08	1.1	0	2	109978	69620	-54577	499568	316243	SLD 5	4.542	Si
125	16.08	1.1	0	2	-53034	16402	-58160	-247814	76642	SLD 15	4.673	Si
154	16.08	1.1	0	2	-43848	24436	-58051	-205275	114397	SLD 15	4.682	Si
184	16.08	1.1	0	2	-35083	32415	-57941	-164555	152039	SLD 15	4.69	Si
213	16.08	1.1	0	2	-27518	42774	-57832	-129317	201008	SLD 15	4.699	Si
242	16.08	1.1	0	2	-23124	48207	-57720	-108876	226976	SLD 15	4.708	Si
272	16.08	1.1	0	2	-17154	59027	-57610	-80924	278454	SLD 15	4.717	Si
301	16.08	1.1	0	2	-13598	67268	-57499	-64272	317940	SLD 15	4.726	Si
331	16.08	1.1	0	2	-17951	75575	-57389	-84917	357507	SLD 15	4.731	Si
360	16.08	1.1	0	2	-59518	70276	-56720	-276072	325973	SLD 13	4.638	Si
380	16.08	2.1	0	2,3	-6604	-228103	-42926	-28730	-992297	SLD 15	4.35	Si
409	16.08	2.1	0	2,3	-5920	-184209	-42817	-28297	-880449	SLD 15	4.78	Si
438	16.08	1.1	0	3	-6502	-140411	-42708	-34078	-735914	SLD 15	5.241	Si
467	16.08	1.1	0	3	-9317	-96870	-42600	-53857	-559936	SLD 15	5.78	Si
496	16.08	1.1	0	3	34850	-50515	-41980	221961	-321726	SLD 11	6.369	Si
525	16.08	1.1	0	3	27638	-7426	-42382	177223	-47615	SLD 15	6.412	Si
554	16.08	1.1	0	3	26766	38374	-42273	172076	246703	SLD 15	6.429	Si
583	16.08	1.1	0	3	27277	81616	-42165	161755	483982	SLD 15	5.93	Si
612	16.08	1.1	0	3	28562	125329	-42056	153240	672409	SLD 15	5.365	Si
641	16.08	1.1	0	3	30296	169187	-41947	148133	827243	SLD 15	4.89	Si
670	16.08	1.1	0	3	32306	213110	-41838	143843	948867	SLD 15	4.452	Si
690	16.08	2.1	0	3,4	107187	-172230	-26948	574429	-923002	SLD 13	5.359	Si
719	16.08	2.1	0	3,4	86996	-137838	-26839	542009	-858766	SLD 13	6.23	Si
748	16.08	1.1	0	4	67583	-103520	-26730	487600	-746885	SLD 13	7.215	Si
777	16.08	1.1	0	4	49609	-69388	-26622	412634	-577153	SLD 13	8.318	Si
806	16.08	1.1	0	4	34340	-37018	-26513	330723	-356513	SLD 13	9.631	Si
835	16.08	1.1	0	4	23513	5493	-26661	239679	55996	SLD 15	10.194	Si
864	16.08	1.1	0	4	17371	41163	-26552	170216	403350	SLD 15	9.799	Si
893	16.08	1.1	0	4	14148	77782	-26443	121871	669989	SLD 15	8.614	Si
922	16.08	1.1	0	4	12395	115194	-26335	94558	878802	SLD 15	7.629	Si
951	16.08	1.1	0	4	11406	152827	-26226	76642	1026886	SLD 15	6.719	Si
980	16.08	1.1	0	4	10850	190549	-26117	63732	1119293	SLD 15	5.874	Si
1000	16.08	2.1	0	4,5,6	56000	-217763	-11288	282989	-1100435	SLD 15	5.053	Si
1029	16.08	2.1	0	4,5,6	44805	-170152	-11179	290861	-1104581	SLD 15	6.492	Si
1058	16.08	1.1	0	5,6	33828	-122591	-11071	304065	-1101916	SLD 15	8.989	Si
1087	16.08	1.1	0	5,6	32526	-71930	-11059	439879	-972792	SLD 13	13.524	Si
1116	16.08	1.1	0	5,6	21111	-27272	-10853	432612	-558852	SLD 15	20.492	Si
1145	16.08	1.1	0	5,6	15267	22347	-10744	337249	493655	SLD 15	22.091	Si
1174	16.08	1.1	0	5,6	13110	69026	-10636	198151	1043285	SLD 15	15.114	Si
1203	16.08	1.1	0	5,6	12661	116481	-10527	127898	1176707	SLD 15	10.102	Si
1232	16.08	1.1	0	5,6	12961	164057	-10418	95186	1204799	SLD 15	7.344	Si
1261	16.08	1.1	0	5,6	13626	211675	-10309	76731	1192032	SLD 15	5.631	Si
1290	22.11	2.1	0	5,6	14486	259312	-10201	77421	1385855	SLD 15	5.344	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	585	-60212	SLU 7	12805	42315	42598	2.4	72.37	-225	-73233	SLU 38	12600	39534	45230	2.5	175.34	Si
-111	4X/2Y Ø8/10	585	-60103	SLU 7	12805	42315	42584	2.4	72.37	-225	-73092	SLU 38	12600	39534	45230	2.5	175.34	Si
-81	4X/2Y Ø8/10	585	-59993	SLU 7	12805	42315	42569	2.4	72.37	-225	-72949	SLU 38	12600	39534	45230	2.5	175.34	Si
-52	4X/2Y Ø8/10	585	-59883	SLU 7	12805	42315	42555	2.4	72.37	-225	-72805	SLU 38	12600	39534	45230	2.5	175.34	Si
-22	4X/2Y Ø8/15	585	-59772	SLU 7	12805	29386	41318	2.5	50.26	-225	-72662	SLU 38	12600	26356	45230	2.5	116.89	Si
7	4X/2Y Ø8/15	585	-59662	SLU 7	12805	29386	41304	2.5	50.26	-225	-72518	SLU 38	12600	26356	45230	2.5	116.89	Si
36	4X/2Y Ø8/15	585	-59552	SLU 7	12805	29386	41289	2.5	50.26	-225	-72375	SLU 38	12600	26356	45230	2.5	116.89	Si
66	4X/2Y Ø8/15	585	-59441	SLU 7	12805	29386	41275	2.5	50.26	-225	-72232	SLU 38	12600	26356	45230	2.5	116.89	Si
95	4X/2Y Ø8/15	585	-59331	SLU 7	12805	29386	41261	2.5	50.26	-225	-72088	SLU 38	12600	26356	45230	2.5	116.89	Si
125	4X/2Y Ø8/15	585	-59220	SLU 7	12805	29386	41247	2.5	50.26	-225	-71943	SLU 38	12600	26356	45230	2.5	116.89	Si
154	4X/2Y Ø8/15	585	-59111	SLU 7	12805	29386	41233	2.5	50.26	-225	-71801	SLU 38	12600	26356	45230	2.5	116.89	Si

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
184	4X/2Y Ø8/15	585	-59000	SLU 7	12805	29386	41218	2.5	50.26	-225	-71658	SLU 38	12600	26356	45230	2.5	116.89	Si
213	4X/2Y Ø8/15	585	-58892	SLU 7	12805	29386	41204	2.5	50.26	-225	-71517	SLU 38	12600	26356	45230	2.5	116.89	Si
242	4X/2Y Ø8/10	585	-58780	SLU 7	12805	42315	42409	2.4	72.37	-225	-71371	SLU 38	12600	39534	45230	2.5	175.34	Si
272	4X/2Y Ø8/10	585	-58669	SLU 7	12805	42315	42394	2.4	72.37	-225	-71228	SLU 38	12600	39534	45230	2.5	175.34	Si
301	4X/2Y Ø8/10	585	-58559	SLU 7	12805	42315	42379	2.4	72.37	-225	-71085	SLU 38	12600	39534	45230	2.5	175.34	Si
331	4X/2Y Ø8/10	572	-46807	SLU 3	12133	40552	42043	2.3	70.95	-225	-70941	SLU 38	12600	39534	45230	2.5	175.34	Si
360	4X/2Y Ø8/10	572	-46699	SLU 3	12119	40552	42028	2.3	70.95	-225	-70800	SLU 38	12600	39534	45230	2.5	175.34	Si
380	4X/2Y Ø8/10	1766	-67314	SLU 51	12805	42315	43268	2.4	23.96	-382	-67248	SLU 50	12600	39534	45230	2.5	103.57	Si
409	4X/2Y Ø8/10	1766	-67173	SLU 51	12805	42315	43268	2.4	23.96	-382	-67107	SLU 50	12600	39534	45230	2.5	103.57	Si
438	4X/2Y Ø8/10	1766	-67031	SLU 51	12805	42315	43268	2.4	23.96	-382	-66965	SLU 50	12600	39534	45230	2.5	103.57	Si
467	4X/2Y Ø8/14.4	1766	-66890	SLU 51	12805	30516	42024	2.5	17.28	-382	-66824	SLU 50	12600	27370	45230	2.5	71.7	Si
496	4X/2Y Ø8/14.4	1766	-66748	SLU 51	12805	30516	42024	2.5	17.28	-382	-66683	SLU 50	12600	27370	45230	2.5	71.7	Si
525	4X/2Y Ø8/14.4	1766	-66607	SLU 51	12805	30516	42024	2.5	17.28	-382	-66541	SLU 50	12600	27370	45230	2.5	71.7	Si
554	4X/2Y Ø8/14.4	1766	-66466	SLU 51	12805	30516	42024	2.5	17.28	-382	-66400	SLU 50	12600	27370	45230	2.5	71.7	Si
583	4X/2Y Ø8/14.4	1766	-66324	SLU 51	12805	30516	42024	2.5	17.28	-382	-66259	SLU 50	12600	27370	45230	2.5	71.7	Si
612	4X/2Y Ø8/10	1766	-66183	SLU 51	12805	42315	43268	2.4	23.96	-382	-66117	SLU 50	12600	39534	45230	2.5	103.57	Si
641	4X/2Y Ø8/10	1766	-66042	SLU 51	12805	42315	43268	2.4	23.96	-382	-65976	SLU 50	12600	39534	45230	2.5	103.57	Si
670	4X/2Y Ø8/10	1766	-65900	SLU 51	12805	42315	43268	2.4	23.96	-382	-65834	SLU 50	12600	39534	45230	2.5	103.57	Si
690	4X/2Y Ø8/10	1370	-43710	SLU 51	11747	40552	41620	2.3	29.6	-724	-43673	SLU 52	11457	39534	42238	2.5	54.63	Si
719	4X/2Y Ø8/10	1370	-43568	SLU 51	11730	40552	41601	2.3	29.6	-724	-43531	SLU 52	11438	39534	42218	2.5	54.63	Si
748	4X/2Y Ø8/10	1370	-43427	SLU 51	11712	40552	41582	2.3	29.6	-724	-43390	SLU 52	11419	39534	42199	2.5	54.63	Si
777	4X/2Y Ø8/14.4	1370	-43285	SLU 51	11694	30516	39194	2.5	22.28	-724	-43249	SLU 52	11400	27370	42179	2.5	37.82	Si
806	4X/2Y Ø8/14.4	1370	-43144	SLU 51	11677	30516	39176	2.5	22.28	-724	-43107	SLU 52	11381	27370	42159	2.5	37.82	Si
835	4X/2Y Ø8/14.4	1370	-43003	SLU 51	11659	30516	39158	2.5	22.28	-724	-42966	SLU 52	11362	27370	42140	2.5	37.82	Si
864	4X/2Y Ø8/14.4	1370	-42861	SLU 51	11642	30516	39140	2.5	22.28	-724	-42824	SLU 52	11343	27370	42120	2.5	37.82	Si
893	4X/2Y Ø8/14.4	1370	-42720	SLU 51	11624	30516	39122	2.5	22.28	-724	-42683	SLU 52	11324	27370	42101	2.5	37.82	Si
922	4X/2Y Ø8/10	1370	-42579	SLU 51	11606	40552	41466	2.3	29.6	-724	-42542	SLU 52	11305	39534	42081	2.5	54.63	Si
951	4X/2Y Ø8/10	1370	-42437	SLU 51	11589	40552	41446	2.3	29.6	-724	-42400	SLU 52	11286	39534	42061	2.5	54.63	Si
980	4X/2Y Ø8/10	1370	-42296	SLU 51	11571	40552	41427	2.3	29.6	-724	-42259	SLU 52	11267	39534	42042	2.5	54.63	Si
1000	4X/2Y Ø8/10	2040	-19936	SLU 51	8787	38789	39533	2.2	19.02	-572	-19936	SLU 51	8276	38743	39518	2.45	67.69	Si
1029	4X/2Y Ø8/10	2040	-19794	SLU 51	8770	38789	39513	2.2	19.02	-572	-19794	SLU 51	8257	38743	39498	2.45	67.69	Si
1058	4X/2Y Ø8/10	2040	-19653	SLU 51	8752	38789	39493	2.2	19.02	-572	-19653	SLU 51	8238	38743	39478	2.45	67.69	Si
1087	4X/2Y Ø8/14.4	2040	-19512	SLU 51	8735	30516	36132	2.5	14.96	-572	-19512	SLU 51	8219	27370	38889	2.5	47.82	Si
1116	4X/2Y Ø8/14.4	2040	-19370	SLU 51	8717	30516	36114	2.5	14.96	-572	-19370	SLU 51	8200	27370	38869	2.5	47.82	Si
1145	4X/2Y Ø8/14.4	2040	-19229	SLU 51	8699	30516	36096	2.5	14.96	-572	-19229	SLU 51	8181	27370	38850	2.5	47.82	Si
1174	4X/2Y Ø8/14.4	2040	-19088	SLU 51	8682	30516	36078	2.5	14.96	-572	-19088	SLU 51	8162	27370	38830	2.5	47.82	Si
1203	4X/2Y Ø8/14.4	2040	-18946	SLU 51	8664	30516	36060	2.5	14.96	-572	-18946	SLU 51	8143	27370	38810	2.5	47.82	Si
1232	4X/2Y Ø8/10	2040	-18805	SLU 51	8647	38789	39374	2.2	19.02	-572	-18805	SLU 51	8124	38743	39359	2.45	67.69	Si
1261	4X/2Y Ø8/10	2040	-18663	SLU 51	8629	38789	39354	2.2	19.02	-572	-18663	SLU 51	8105	38743	39339	2.45	67.69	Si
1290	4X/2Y Ø8/10	2040	-18522	SLU 51	8611	38789	39334	2.2	19.02	-572	-18522	SLU 51	8087	38743	39319	2.45	67.69	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	-912	-51351	SLV 1	12699	41434	42037	2.35	45.45	-1630	-53100	SLV 5	12600	39534	43545	2.5	24.25	Si
-111	4X/2Y Ø8/10	-912	-51242	SLV 1	12685	41434	42023	2.35	45.45	-1630	-52991	SLV 5	12600	39534	43530	2.5	24.25	Si
-81	4X/2Y Ø8/10	-912	-51132	SLV 1	12671	41434	42008	2.35	45.45	-1630	-52881	SLV 5	12600	39534	43514	2.5	24.25	Si
-52	4X/2Y Ø8/10	-912	-51022	SLV 1	12658	41434	41993	2.35	45.45	-1630	-52771	SLV 5	12600	39534	43499	2.5	24.25	Si
-22	4X/2Y Ø8/15	-912	-50912	SLV 1	12644	29386	40177	2.5	32.24	-1630	-52660	SLV 5	12600	26356	43484	2.5	16.17	Si
7	4X/2Y Ø8/15	-912	-50801	SLV 1	12630	29386	40162	2.5	32.24	-1630	-52550	SLV 5	12600	26356	43468	2.5	16.17	Si
36	4X/2Y Ø8/15	-912	-50691	SLV 1	12616	29386	40148	2.5	32.24	-1630	-52440	SLV 5	12600	26356	43453	2.5	16.17	Si
66	4X/2Y Ø8/15	-912	-50581	SLV 1	12603	29386	40134	2.5	32.24	-1630	-52330	SLV 5	12600	26356	43438	2.5	16.17	Si
95	4X/2Y Ø8/15	-912	-50470	SLV 1	12589	29386	40120	2.5	32.24	-1630	-52219	SLV 5	12600	26356	43423	2.5	16.17	Si
125	4X/2Y Ø8/15	-912	-50359	SLV 1	12575	29386	40105	2.5	32.24	-1630	-52108	SLV 5	12587	26356	43407	2.5	16.17	Si
154	4X/2Y Ø8/15	-912	-50250	SLV 1	12561	29386	40091	2.5	32.24	-1630	-51999	SLV 5	12572	26356	43392	2.5	16.17	Si
184	4X/2Y Ø8/15	-912	-50140	SLV 1	12548	29386	40077	2.5	32.24	-1630	-51888	SLV 5	12558	26356	43377	2.5	16.17	Si
213	4X/2Y Ø8/15	-912	-50031	SLV 1	12534	29386	40063	2.5	32.24	-1630	-51780	SLV 5	12543	26356	43362	2.5	16.17	Si
242	4X/2Y Ø8/10	-912	-49919	SLV 1	12520	41434	41845	2.35	45.45	-1630	-51668	SLV 5	12528	39534	43346	2.5	24.25	Si
272	4X/2Y Ø8/10	-912	-49809	SLV 1	12507	41434	41830	2.35	45.45	-1630	-51558	SLV 5	12513	39534	43331	2.5	24.25	Si
301	4X/2Y Ø8/10	-912	-49698	SLV 1	12493	41434	41815	2.35	45.45	-1630	-51447	SLV 5	12498	39534	43316	2.5	24.25	Si
331	4X/2Y Ø8/10	-912	-49588	SLV 1	12479	41434	41800	2.35	45.45	-1630	-51337	SLV 5	12484	39534	43300	2.5	24.25	Si
360	4X/2Y Ø8/10	-912	-49480	SLV 1	12466	41434	41786	2.35	45.45	-1630	-51229	SLV 5	12469	39534	43285	2.5	24.25	Si
380	4X/2Y Ø8/10	2208	-45484	SLV 15	11968	40552	41862	2.3	18.37	-1207	-38399	SLV 5	10750	39534	41507	2.5	32.75	Si
409	4X/2Y Ø8/10	2208	-45375	SLV 15	11955	40552	41848	2.3	18.37	-1207	-38290	SLV 5	10735	39534	41492	2.5	32.75	Si
438	4X/2Y Ø8/10	2208	-45266	SLV 15	11941	40552	41833	2.3	18.37	-1207	-38181	SLV 5	10721	39534	41477	2.5	32.75	Si
467	4X/2Y Ø8/14.4	2208	-45158	SLV 15	11928	30516	39436	2.5	13.82	-1207	-38072	SLV 5	10706	27370	41462	2.5	22.68	Si
496	4X/2Y Ø8/14.4	2208	-45049	SLV 15	11914	30516	39421	2.5	13.82	-1207	-37964	SLV 5	10692	27370	41446	2.5	22.68	Si
525	4X/2Y Ø8/14.4	2208	-44940	SLV 15	11900	30516	39407	2.5	13.82	-1207	-37855	SLV 5	10677	27370	41431	2.5	22.68	Si
554	4X/2Y Ø8/14.4	2208	-44831	SLV 15	11887	30516	39393	2.5	13.82	-1207	-37746	SLV 5	10663	27370	41416	2.5	22.68	Si
583	4X/2Y Ø8/14.4	2208	-44723	SLV 15	11873	30516	39379	2.5	13.82	-1207	-37637	SLV 5	10648	27370	41401	2.5	22.68	Si
612	4X/2Y Ø8/10	2208	-44614	SLV 15	11860	40552	41744	2.3	18.37	-1207	-37529	SLV 5	10633	39534	41386	2.5	32.75	Si
641	4X/2Y Ø8/10	2208	-44505	SLV 15	11846	40552	41729	2.3	18.37	-1207	-37420	SLV 5	10619	39534	41371	2.5	32.75	Si
670	4X/2Y Ø8/10	2208	-44396	SLV 15	11833	40552	41714	2.3	18.37	-1207	-37311	SLV 5	10604	39534	41356	2.5	32.75	Si
690	4X/2Y Ø8/10	2011	-28762	SLV 15	9886	39671	40171	2.25	19.73	-1768	-24439	SLV 5	8879	39534	39572	2.5	22.36	Si
719	4X/2Y Ø8/10	2011	-28653	SLV 15	9873	39671	40156	2.25	19.73	-1768	-24330	SLV 5	8865	39534	39557	2.5	22.36	Si
748	4X/2Y Ø8/10	2011	-28544	SLV 15	9859	39671	40141	2.25	19.73	-1768	-24221	SLV 5	8850	39534	39542	2.5	22.36	Si
777	4X/2Y Ø8/14.4	2011	-28436	SLV 15	9846	30516	37282	2.5	15.17	-1768	-24113	SLV 5	8836	27370	39527	2.5	15.48	Si
806	4X/2Y Ø8/14.4	2011	-28327	SLV 15	9832	30516	37268	2.5	15.17	-1768	-24004	SLV 5	8821	27370	39511	2.5	15.48	Si
835	4X/2Y Ø8/14.4	2011	-28218	SLV 15	9819	30516	37254	2.5	15.17	-1768	-23895	SLV 5	8807	27370	39496	2.5	15.48	Si
864	4X/2Y Ø8/14.4	2011	-28109	SLV 15	9805	30516	37240	2.5	15.17	-1768	-23786	SLV 5	8792	27370	39481	2.5	15.48	Si
893	4X/2Y Ø8/14.4	2011	-28001	SLV 15	9791	30516	37226	2.5	15.17	-1768	-23678	SLV 5	8777	27370	39466	2.5	15.48	Si
922	4X/2Y Ø8/10	2011	-27892	SLV 15	9778	39671	40051	2.25	19.73	-1768	-23569	SLV 5	8763	38743	40029	2.45	21.91	Si
951	4X/2Y Ø8/10	2011	-27783	SLV 15	9764	39671	40036	2.25	19.73	-1768	-23460	SLV 5	8748	38743	40013	2.45	21.91	Si
980	4X/2Y Ø8/10	2011	-27674	SLV 15	9751	39671	40020	2.25	19.73	-1768	-23351	SLV 5	8734	38743	39998	2.45	21.91	Si
1000	4X/2Y Ø8/10	2446	-11705	SLV 15	7763	37907	38954	2.15	15.5	-1479	-11187	SLV 5	7104	37953	38851	2.4	25.65	Si
1029	4X/2Y Ø8/10	2446	-11596	SLV 15	7749	37907	38938	2.15	15.5	-1479	-11078	SLV 5	7089	37953	38836	2.4	25.65	Si
1058	4X/2Y Ø8/10	2446	-11487	SLV 15	7736	37907	38923	2.15	15.5	-1479	-10969	SLV 5	7075	37953	38820	2.4	25.65	Si
1087	4X/2Y Ø8/14.4	2446	-11378	SLV 15	7722	30516	35085	2.5	12.48	-1479	-10861	SLV 5	7060	27370	37690	2.5	18.5	Si
1116	4X/2Y Ø8/14.4	2446	-11270	SLV 15	7708	30516	35071	2.5	12.48	-1479	-10752	SLV 5	7045	27370	37674	2.5	18.5	Si
1145	4X/2Y Ø8/14.4	2446	-11161	SLV 15	7695	30516	35057	2.5	12.48	-1479	-10643	SLV 5	7031	27370	37659	2.5	18.5	Si
1174	4X/2Y Ø8/14.4	2446	-11052	SLV 15	7681	30516	35043	2.5	12.48	-1479	-10534	SLV 5	7016	27370	37644	2.5	18.5	Si
1203	4X/2Y Ø8/14.4	2446	-10943	SLV 15	7668	30516	35029	2.5	12.48	-1479	-10426	SLV 5	7002	27370	37629	2.5	18.5	Si
1232	4X/2Y Ø8/10	2446	-10835	SLV 15	7654	37907	38829	2.15	15.5	-1479	-10317	SLV 5	6987	37953	38727	2.4	25.65	Si
1261	4X/2Y Ø8/10	2446	-10726	SLV 15	7641	37907	38814	2.15	15.5	-1479	-10208	SLV 5	6973	37953	38711	2.4	25.65	Si
1290	4X/2Y Ø8/10	2446	-10617	SLV 15	7627	37907	38798	2.15	15.5	-1479	-10099	SLV 5	6958	37953	38696	2.4	25.65	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	-393	-54775	SLD 1	13125	44078	40674	2.5	103.55	-700	-55457	SLD 5	13036	39534	43871	2.5	56.48	Si
-111	4X/2Y Ø8/10	-393	-54667	SLD 1	13111	44078	40660	2.5	103.52	-700	-55349	SLD 5	13021	39534	43856	2.5	56.48	Si
-81	4X/2Y Ø8/10	-393	-54557	SLD 1	13098	44078	40646	2.5	103.48	-700	-55238	SLD 5	13006	39534	43841	2.5	56.48	Si
-52	4X/2Y Ø8/10	-393	-54446	SLD 1	13084	44078	40632	2.5	103.44	-700	-55128	SLD 5	12992	39534	43826	2.5	56.48	Si
-22	4X/2Y Ø8/15	-393	-54336	SLD 1	13070	29386	40618	2.5	74.81	-700	-55018	SLD 5	12977	26356	43810	2.5	37.65	Si
7	4X/2Y Ø8/15	-393	-54226	SLD 1	13056	29386	40603	2.5	74.81	-700	-54907	SLD 5	12962	26356	43795	2.5	37.65	Si
36	4X/2Y Ø8/15	-393	-54116	SLD 1	13043	29386	40589	2.5	74.81	-700	-54797	SLD 5	12947	26356	43780	2.5	37.65	Si
66	4X/2Y Ø8/15	-393	-54005	SLD 1	13029	29386	40575	2.5	74.81	-700	-54687	SLD 5	12933	26356	43765	2.5	37.65	Si
95	4X/2Y Ø8/15	-393	-53895	SLD 1	13015	29386	40561	2.5	74.81	-700	-54577	SLD 5	12918	26356	43749	2.5	37.65	Si
125	4X/2Y Ø8/15	-393	-53784	SLD 1	13001	29386	40546	2.5	74.81	-700	-54465	SLD 5	12903	26356	43734	2.5	37.65	Si
154	4X/2Y Ø8/15	-393	-53674	SLD 1	12988	29386	40532	2.5	74.81	-700	-54356	SLD 5	12888	26356	43719	2.5	37.65	Si
184	4X/2Y Ø8/15	-393	-53564	SLD 1	12974	29386	40518	2.5	74.81	-700	-54246	SLD 5	12873	26356	43703	2.5	37.65	Si
213	4X/2Y Ø8/15	-393	-53455	SLD 1	12961	29386	40504	2.5	74.81	-700	-54137	SLD 5	12859	26356	43688	2.5	37.65	Si
242	4X/2Y Ø8/10	-393	-53344	SLD 1	12947	44078	40490	2.5	103.08	-700	-54025	SLD 5	12844	39534	43673	2.5	56.48	Si
272	4X/2Y Ø8/10	-393	-53233	SLD 1	12933	44078	40476	2.5	103.05	-700	-53915	SLD 5	12829	39534	43658	2.5	56.48	Si
301	4X/2Y Ø8/10	-393	-53123	SLD 1	12919	44078	40461	2.5	103.01	-700	-53805	SLD 5	12814	39534	43642	2.5	56.48	Si
331	4X/2Y Ø8/10	-393	-53013	SLD 1	12905	44078	40447	2.5	102.97	-700	-53694	SLD 5	12800	39534	43627	2.5	56.48	Si
360	4X/2Y Ø8/10	-393	-52904	SLD 1	12892	44078	40433	2.5	102.94	-700	-53586	SLD 5	12785	39534	43612	2.5	56.48	Si
380	4X/2Y Ø8/10	1518	-42926	SLD 15	11650	44078	39148	2.5	25.79	-612	-40159	SLD 5	10986	39534	41751	2.5	64.55	Si
409	4X/2Y Ø8/10	1518	-42817	SLD 15	11636	44078	39134	2.5	25.78	-612	-40051	SLD 5	10971	39534	41736	2.5	64.55	Si
438	4X/2Y Ø8/10	1518	-42708	SLD 15	11623	44078	39120	2.5	25.77	-612	-39942	SLD 5	10957	39534	41721	2.5	64.55	Si
467	4X/2Y Ø8/14.4	1518	-42600	SLD 15	11609	30516	39106	2.5	20.1	-612	-39833	SLD 5	10942	27370	41706	2.5	44.69	Si
496	4X/2Y Ø8/14.4	1518	-42491	SLD 15	11595	30516	39092	2.5	20.1	-612	-39724	SLD 5	10928	27370	41691	2.5	44.69	Si
525	4X/2Y Ø8/14.4	1518	-42382	SLD 15	11582	30516	39078	2.5	20.1	-612	-39616	SLD 5	10913	27370	41675	2.5	44.69	Si
554	4X/2Y Ø8/14.4	1518	-42273	SLD 15	11568	30516	39064	2.5	20.1	-612	-39507	SLD 5	10898	27370	41660	2.5	44.69	Si
583	4X/2Y Ø8/14.4	1518	-42165	SLD 15	11555	30516	39050	2.5	20.1	-612	-39398	SLD 5	10884	27370	41645	2.5	44.69	Si
612	4X/2Y Ø8/10	1518	-42056	SLD 15	11541	44078	39036	2.5	25.71	-612	-39289	SLD 5	10869	39534	41630	2.5	64.55	Si
641	4X/2Y Ø8/10	1518	-41947	SLD 15	11528	44078	39022	2.5	25.7	-612	-39181	SLD 5	10855	39534	41615	2.5	64.55	Si
670	4X/2Y Ø8/10	1518	-41838	SLD 15	11514	44078	39008	2.5	25.69	-612	-39072	SLD 5	10840	39534	41600	2.5	64.55	Si
690	4X/2Y Ø8/10	1306	-27205	SLD 15	9692	44078	37123	2.5	28.44	-922	-25511	SLD 5	9023	39534	39720	2.5	42.9	Si
719	4X/2Y Ø8/10	1306	-27096	SLD 15	9679	44078	37109	2.5	28.42	-922	-25402	SLD 5	9009	39534	39705	2.5	42.9	Si
748	4X/2Y Ø8/10	1306	-26987	SLD 15	9665	44078	37095	2.5	28.41	-922	-25294	SLD 5	8994	39534	39690	2.5	42.9	Si
777	4X/2Y Ø8/14.4	1306	-26878	SLD 15	9652	30516	37081	2.5	23.37	-922	-25185	SLD 5	8979	27370	39675	2.5	29.7	Si
806	4X/2Y Ø8/14.4	1306	-26770	SLD 15	9638	30516	37067	2.5	23.37	-922	-25076	SLD 5	8965	27370	39660	2.5	29.7	Si
835	4X/2Y Ø8/14.4	1306	-26661	SLD 15	9625	30516	37053	2.5	23.37	-922	-24967	SLD 5	8950	27370	39645	2.5	29.7	Si
864	4X/2Y Ø8/14.4	1306	-26552	SLD 15	9611	30516	37039	2.5	23.37	-922	-24859	SLD 5	8936	27370	39630	2.5	29.7	Si
893	4X/2Y Ø8/14.4	1306	-26443	SLD 15	9598	30516	37025	2.5	23.37	-922	-24750	SLD 5	8921	27370	39615	2.5	29.7	Si
922	4X/2Y Ø8/10	1306	-26335	SLD 15	9584	44078	37011	2.5	28.35	-922	-24641	SLD 5	8906	39534	39600	2.5	42.9	Si
951	4X/2Y Ø8/10	1306	-26226	SLD 15	9570	44078	36997	2.5	28.34	-922	-24532	SLD 5	8892	39534	39585	2.5	42.9	Si
980	4X/2Y Ø8/10	1306	-26117	SLD 15	9557	44078	36983	2.5	28.33	-922	-24424	SLD 5	8877	39534	39570	2.5	42.9	Si
1000	4X/2Y Ø8/10	1644	-11288	SLD 15	7711	44078	35073	2.5	21.34	-778	-11084	SLD 5	7090	39534	37720	2.5	48.45	Si
1029	4X/2Y Ø8/10	1644	-11179	SLD 15	7697	44078	35059	2.5	21.33	-778	-10975	SLD 5	7075	39534	37705	2.5	48.43	Si
1058	4X/2Y Ø8/10	1644	-11071	SLD 15	7684	44078	35045	2.5	21.32	-778	-10866	SLD 5	7061	39534	37690	2.5	48.42	Si
1087	4X/2Y Ø8/14.4	1644	-10962	SLD 15	7670	30516	35031	2.5	18.56	-778	-10758	SLD 5	7046	27370	37675	2.5	35.16	Si
1116	4X/2Y Ø8/14.4	1644	-10853	SLD 15	7657	30516	35017	2.5	18.56	-778	-10649	SLD 5	7032	27370	37660	2.5	35.16	Si
1145	4X/2Y Ø8/14.4	1644	-10744	SLD 15	7643	30516	35003	2.5	18.56	-778	-10540	SLD 5	7017	27370	37645	2.5	35.16	Si
1174	4X/2Y Ø8/14.4	1644	-10636	SLD 15	7630	30516	34989	2.5	18.56	-778	-10431	SLD 5	7002	27370	37630	2.5	35.16	Si
1203	4X/2Y Ø8/14.4	1644	-10527	SLD 15	7616	30516	34975	2.5	18.56	-778	-10323	SLD 5	6988	27370	37615	2.5	35.16	Si
1232	4X/2Y Ø8/10	1644	-10418	SLD 15	7602	44078	34961	2.5	21.27	-778	-10214	SLD 5	6973	39534	37600	2.5	48.3	Si
1261	4X/2Y Ø8/10	1644	-10309	SLD 15	7589	44078	34947	2.5	21.26	-778	-10105	SLD 5	6959	39534	37585	2.5	48.28	Si
1290	4X/2Y Ø8/10	1644	-10201	SLD 15	7575	44078	34933	2.5	21.25	-778	-9996	SLD 5	6944	39534	37570	2.5	48.26	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	55205	59881	-64725	SLE RA 10	-47.6	55205	59881	-64725	SLE RA 10	-666.2	Si
-111	50778	58574	-64616	SLE RA 10	-47.1	50778	58574	-64616	SLE RA 10	-660.3	Si
-81	46275	57244	-64506	SLE RA 10	-46.5	46275	57244	-64506	SLE RA 10	-654.3	Si
-52	41772	55915	-64396	SLE RA 10	-46	41772	55915	-64396	SLE RA 10	-648.3	Si
-22	37268	54585	-64285	SLE RA 10	-45.5	37268	54585	-64285	SLE RA 10	-642.3	Si
7	32765	53255	-64175	SLE RA 10	-45	32765	53255	-64175	SLE RA 10	-636.3	Si
36	28262	51926	-64065	SLE RA 10	-44.5	28262	51926	-64065	SLE RA 10	-630.2	Si
66	23758	50596	-63954	SLE RA 10	-44	23758	50596	-63954	SLE RA 10	-624.2	Si
95	19255	49266	-63844	SLE RA 10	-43.4	19255	49266	-63844	SLE RA 10	-618.2	Si
125	14706	47923	-63733	SLE RA 10	-42.9	14706	47923	-63733	SLE RA 10	-612.1	Si
154	8770	52006	-63695	SLE RA 11	-42.9	8843	51924	-63700	SLE RA 13	-611.4	Si
184	7277	57924	-63589	SLE RA 13	-43.4	7277	57924	-63589	SLE RA 13	-615.6	Si
213	5735	63834	-63481	SLE RA 13	-43.9	5735	63834	-63481	SLE RA 13	-619.7	Si
242	9148	85451	-60091	SLE RA 7	-44.6	4146	69924	-63369	SLE RA 13	-624	Si
272	10448	96163	-59980	SLE RA 7	-45.8	2580	75924	-63259	SLE RA 13	-628.8	Si
301	11747	106875	-59870	SLE RA 7	-47	11747	106875	-59870	SLE RA 7	-639.5	Si
331	13047	117587	-59760	SLE RA 7	-48.2	13047	117587	-59760	SLE RA 7	-651.1	Si
360	14324	128116	-59651	SLE RA 7	-49.4	14324	128116	-59651	SLE RA 7	-662.4	Si
380	37675	-192940	-47542	SLE RA 12	-51.2	37675	-192940	-47542	SLE RA 12	-646.3	Si
409	30140	-156664	-47433	SLE RA 12	-46.6	30140	-156664	-47433	SLE RA 12	-600.5	Si
438	22605	-120388	-47325	SLE RA 12	-42	22605	-120388	-47325	SLE RA 12	-554.7	Si
467	15070	-84113	-47216	SLE RA 12	-37.5	15070	-84113	-47216	SLE RA 12	-508.9	Si
496	7563	-47826	-47107	SLE RA 10	-32.9	7563	-47826	-47107	SLE RA 10	-463	Si
525	15	-11627	-46998	SLE RA 10	-28.3	15	-11627	-46998	SLE RA 10	-417.6	Si
554	3721	35933	-46846	SLE RA 13	-31.1	3721	35933	-46846	SLE RA 13	-445	Si
583	-4110	68776	-46737	SLE RA 13	-34.7	-15070	60991	-46781	SLE RA 12	-480.4	Si
612	-22605	97267	-46672	SLE RA 12	-39.1	-22605	97267	-46672	SLE RA 12	-524.3	Si
641	-30141	133543	-46563	SLE RA 12	-43.6	-30141	133543	-46563	SLE RA 12	-568.3	Si
670	-37676	169819	-46455	SLE RA 12	-48	-37676	169819	-46455	SLE RA 12	-612.2	Si
690	75314	-142451	-30889	SLE RA 13	-38.7	75314	-142451	-30889	SLE RA 13	-479.3	Si
719	60591	-114423	-30780	SLE RA 13	-34.5	60591	-114423	-30780	SLE RA 13	-436.5	Si
748	45868	-86396	-30672	SLE RA 13	-30.3	45868	-86396	-30672	SLE RA 13	-393.7	Si
777	31146	-58369	-30563	SLE RA 13	-26.1	31146	-58369	-30563	SLE RA 13	-350.9	Si
806	16423	-30341	-30454	SLE RA 13	-22	16423	-30341	-30454	SLE RA 13	-308.1	Si
835	1700	-2314	-30345	SLE RA 13	-17.8	1700	-2314	-30345	SLE RA 13	-265.3	Si
864	-14128	26383	-30261	SLE RA 12	-21.3	-14320	26238	-30266	SLE RA 10	-300.4	Si
893	-27527	54567	-30153	SLE RA 12	-25.2	-27527	54567	-30153	SLE RA 12	-340.3	Si
922	-40926	82751	-30044	SLE RA 12	-29.2	-40926	82751	-30044	SLE RA 12	-380.4	Si
951	-57191	109796	-29910	SLE RA 13	-33.2	-57191	109796	-29910	SLE RA 13	-421.3	Si
980	-71913	137824	-29802	SLE RA 13	-37.3	-71913	137824	-29802	SLE RA 13	-462.2	Si
1000	50186	-185406	-14165	SLE RA 12	-40.8	50186	-185406	-14165	SLE RA 12	-414.6	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1029	38463	-143586	-14057	SLE RA 12	-26.6	38463	-143586	-14057	SLE RA 12	-305.7	Si
1058	26741	-101766	-13948	SLE RA 12	-21.1	26741	-101766	-13948	SLE RA 12	-250.6	Si
1087	15019	-59947	-13839	SLE RA 12	-15.6	15019	-59947	-13839	SLE RA 12	-195.5	Si
1116	3297	-18127	-13730	SLE RA 12	-10.1	3297	-18127	-13730	SLE RA 12	-140.3	Si
1145	-10059	23523	-13621	SLE RA 11	-11.1	-10059	23523	-13621	SLE RA 11	-150.6	Si
1174	-21489	65018	-13503	SLE RA 13	-16.4	-21445	64992	-13512	SLE RA 11	-203.2	Si
1203	-31870	107332	-13404	SLE RA 12	-21.8	-31870	107332	-13404	SLE RA 12	-256	Si
1232	-43592	149152	-13295	SLE RA 12	-27.1	-43592	149152	-13295	SLE RA 12	-309.3	Si
1261	-55315	190972	-13187	SLE RA 12	-42.9	-55315	190972	-13187	SLE RA 12	450.2	Si
1290	-67037	232792	-13078	SLE RA 12	-47.5	-67037	232792	-13078	SLE RA 12	547.5	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	28644	57309	-56964	SLE QP 2	-41	Si
-111	26233	55747	-56855	SLE QP 2	-40.6	Si
-81	23781	54159	-56745	SLE QP 2	-40.2	Si
-52	21329	52571	-56635	SLE QP 2	-39.8	Si
-22	18877	50982	-56524	SLE QP 2	-39.4	Si
7	16424	49394	-56414	SLE QP 2	-39	Si
36	13972	47806	-56304	SLE QP 2	-38.6	Si
66	11520	46217	-56194	SLE QP 2	-38.2	Si
95	9067	44629	-56083	SLE QP 2	-37.8	Si
125	6590	43025	-55972	SLE QP 2	-37.4	Si
154	4163	41452	-55863	SLE QP 2	-37	Si
184	1710	39864	-55752	SLE QP 2	-36.5	Si
213	-705	38299	-55644	SLE QP 2	-36.2	Si
242	-3194	36687	-55532	SLE QP 2	-36.2	Si
272	-5647	35099	-55421	SLE QP 2	-36.1	Si
301	-8099	33511	-55311	SLE QP 2	-36	Si
331	-10551	31922	-55201	SLE QP 2	-36	Si
360	-12962	30361	-55092	SLE QP 2	-35.9	Si
380	33127	-166903	-41287	SLE QP 2	-44.4	Si
409	26780	-135704	-41178	SLE QP 2	-40.5	Si
438	20433	-104505	-41070	SLE QP 2	-36.5	Si
467	14087	-73306	-40961	SLE QP 2	-32.6	Si
496	7740	-42106	-40852	SLE QP 2	-28.6	Si
525	1393	-10907	-40743	SLE QP 2	-24.7	Si
554	-4954	20292	-40635	SLE QP 2	-25.9	Si
583	-11300	51491	-40526	SLE QP 2	-29.7	Si
612	-17647	82691	-40417	SLE QP 2	-33.6	Si
641	-23994	113890	-40308	SLE QP 2	-37.4	Si
670	-30340	145089	-40200	SLE QP 2	-41.2	Si
690	51631	-123321	-26201	SLE QP 2	-32.2	Si
719	41021	-98564	-26093	SLE QP 2	-28.7	Si
748	30410	-73807	-25984	SLE QP 2	-25.2	Si
777	19800	-49050	-25875	SLE QP 2	-21.6	Si
806	9190	-24293	-25766	SLE QP 2	-18.1	Si
835	-1420	464	-25658	SLE QP 2	-14.9	Si
864	-12031	25221	-25549	SLE QP 2	-18.3	Si
893	-22641	49979	-25440	SLE QP 2	-21.7	Si
922	-33251	74736	-25331	SLE QP 2	-25.1	Si
951	-43862	99493	-25223	SLE QP 2	-28.5	Si
980	-54472	124250	-25114	SLE QP 2	-31.9	Si
1000	39834	-151078	-11018	SLE QP 2	-25.8	Si
1029	31092	-118550	-10909	SLE QP 2	-21.5	Si
1058	22349	-86022	-10801	SLE QP 2	-17.3	Si
1087	13607	-53495	-10692	SLE QP 2	-13	Si
1116	4864	-20967	-10583	SLE QP 2	-8.7	Si
1145	-3878	11561	-10474	SLE QP 2	-7.6	Si
1174	-12621	44088	-10366	SLE QP 2	-11.7	Si
1203	-21363	76616	-10257	SLE QP 2	-15.8	Si
1232	-30106	109143	-10148	SLE QP 2	-20	Si
1261	-38848	141671	-10039	SLE QP 2	-24.1	Si
1290	-47591	174199	-9931	SLE QP 2	-35.2	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

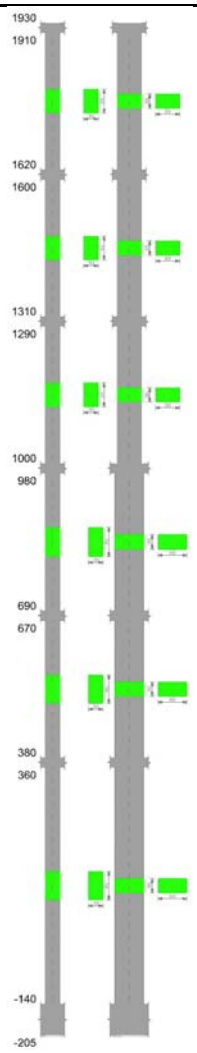
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.

Pilastro 21

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60	No	No	No	No		C30/37	B450C	
380	670	R 30x60	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	
1620	1910	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.10	-9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	-9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.11	-9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	-9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	472817	-472817	-174310	818158	-818158	SLU 51	1.73	Si
-111	20.11	2.2	0	1,2	472358	-472358	-174141	818158	-818158	SLU 51	1.732	Si
-81	20.11	1.1	0	2	471891	-471891	-173969	818158	-818158	SLU 51	1.734	Si
-52	20.11	1.1	0	2	471425	-471425	-173797	818158	-818158	SLU 51	1.735	Si
-22	20.11	1.1	0	2	470958	-470958	-173625	818158	-818158	SLU 51	1.737	Si
7	20.11	1.1	0	2	-470491	-470491	-173453	-818158	-818158	SLU 51	1.739	Si
36	20.11	1.1	0	2	-470025	-470025	-173281	-818158	-818158	SLU 51	1.741	Si
66	20.11	1.1	0	2	-469558	-469558	-173109	-818158	-818158	SLU 51	1.742	Si
95	20.11	1.1	0	2	-469091	-469091	-172937	-818158	-818158	SLU 51	1.744	Si
125	20.11	1.1	0	2	-468620	-468620	-172763	-818158	-818158	SLU 51	1.746	Si
154	20.11	1.1	0	2	-468158	-468158	-172593	-818158	-818158	SLU 51	1.748	Si
184	20.11	1.1	0	2	-467691	-467691	-172421	-818158	-818158	SLU 51	1.749	Si
213	20.11	1.1	0	2	-467231	-467231	-172251	-818158	-818158	SLU 51	1.751	Si
242	20.11	1.1	0	2	-466758	-466758	-172077	-818158	-818158	SLU 51	1.753	Si
272	20.11	1.1	0	2	-466291	-466291	-171904	-818158	-818158	SLU 51	1.755	Si
301	20.11	1.1	0	2	-465824	-465824	-171732	-818158	-818158	SLU 51	1.756	Si
331	20.11	1.1	0	2	-465357	-465357	-171560	-818158	-818158	SLU 51	1.758	Si
360	20.11	1.1	0	2	-464899	-464899	-171391	-818158	-818158	SLU 51	1.76	Si
380	20.11	2.2	0	2,3	331405	282844	-141422	753321	642936	SLU 52	2.273	Si
409	20.11	2.2	0	2,3	311654	282504	-141252	711308	644778	SLU 52	2.282	Si
438	20.11	1.1	0	3	291903	282165	-141082	668908	646592	SLU 52	2.292	Si
467	20.11	1.1	0	3	282171	282171	-141086	647491	647491	SLU 51	2.295	Si
496	20.11	1.1	0	3	281832	281832	-140916	647491	647491	SLU 51	2.297	Si
525	20.11	1.1	0	3	281493	281493	-140746	647491	647491	SLU 51	2.3	Si
554	20.11	1.1	0	3	281153	-281153	-140577	647491	-647491	SLU 51	2.303	Si
583	20.11	1.1	0	3	280814	-280814	-140407	647491	-647491	SLU 51	2.306	Si
612	20.11	1.1	0	3	280475	-280475	-140237	647491	-647491	SLU 51	2.309	Si
641	20.11	1.1	0	3	280136	-280136	-140068	647491	-647491	SLU 51	2.311	Si
670	20.11	1.1	0	3	279802	-279802	-139901	647491	-647491	SLU 51	2.314	Si
690	20.11	2.2	0	3,4,6,7	-226342	226342	-113171	-647491	647491	SLU 51	2.861	Si
719	20.11	2.2	0	3,4,6,7	-226003	226003	-113002	-647491	647491	SLU 51	2.865	Si
748	20.11	1.1	0	4,6,7	-225664	225664	-112832	-647491	647491	SLU 51	2.869	Si
777	20.11	1.1	0	4,6,7	-225325	225325	-112662	-647491	647491	SLU 51	2.874	Si
806	20.11	1.1	0	4,6,7	-224985	224985	-112493	-647491	647491	SLU 51	2.878	Si
835	20.11	1.1	0	4,6,7	-224646	-224646	-112323	-647491	-647491	SLU 51	2.882	Si
864	20.11	1.1	0	4,6,7	-224307	-224307	-112153	-647491	-647491	SLU 51	2.887	Si
893	20.11	1.1	0	4,6,7	-223967	-223967	-111984	-647491	-647491	SLU 51	2.891	Si
922	20.11	1.1	0	4,6,7	-223628	-223628	-111814	-647491	-647491	SLU 51	2.895	Si
951	20.37	1.6	0	4,5,6,7	-223289	-223289	-111644	-649217	-649217	SLU 51	2.908	Si
980	27.42	2	0	4,5,6,7	-222955	-222955	-111478	-695580	-695580	SLU 51	3.12	Si
1000	20.11	2.4	0	5,6,7,8	255619	163561	-81781	834428	533921	SLU 51	3.264	Si
1029	17.8	2.4	0	5,6,7,8	208970	163279	-81639	681044	532134	SLU 51	3.259	Si
1058	16.08	1.1	0	8	162996	162996	-81498	530708	530708	SLU 51	3.256	Si
1087	16.08	1.1	0	8	162713	162713	-81357	530708	530708	SLU 51	3.262	Si
1116	16.08	1.1	0	8	162430	162430	-81215	530708	530708	SLU 51	3.267	Si
1145	16.08	1.1	0	8	162148	-162148	-81074	530708	-530708	SLU 51	3.273	Si
1174	16.08	1.1	0	8	-161865	-161865	-80932	-530708	-530708	SLU 51	3.279	Si
1203	16.08	1.1	0	8	-161582	-161582	-80791	-530708	-530708	SLU 51	3.284	Si
1232	16.08	1.1	0	8	-161299	-161299	-80650	-530708	-530708	SLU 51	3.29	Si
1261	16.08	1.1	0	8	-164220	-161017	-80508	-540650	-530102	SLU 51	3.292	Si
1290	16.08	1.1	0	8	-210065	-160739	-80369	-680287	-520546	SLU 51	3.238	Si
1310	16.08	2.1	0	8,9	232154	101298	-50649	1096952	478645	SLU 51	4.725	Si
1339	16.08	2.1	0	8,9	184479	101015	-50508	912091	499434	SLU 51	4.944	Si
1368	16.08	1.1	0	9	136804	100733	-50366	704379	518653	SLU 51	5.149	Si
1397	16.08	1.1	0	9	100450	100450	-50225	530708	530708	SLU 51	5.283	Si
1426	16.08	1.1	0	9	100167	100167	-50084	530708	530708	SLU 51	5.298	Si
1455	16.08	1.1	0	9	-99884	99884	-49942	-530708	530708	SLU 51	5.313	Si
1484	16.08	1.1	0	9	-99602	99602	-49801	-530708	530708	SLU 51	5.328	Si
1513	16.08	1.1	0	9	-101570	-99319	-49659	-542031	-530018	SLU 51	5.337	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1542	16.08	1.1	0	9	-149245	-99036	-49518	-772813	-512825	SLU 51	5.178	Si
1571	16.08	1.1	0	9	-196920	-98753	-49377	-981257	-492091	SLU 51	4.983	Si
1600	16.08	1.1	0	9	-243772	-98475	-49238	-1164206	-470298	SLU 51	4.776	Si
1620	16.08	2.1	0	9,10,11	200014	198270	-19341	1087708	1078222	SLU 51	5.438	Si
1649	16.08	2.1	0	9,10,11	175853	139894	-19200	1230163	978615	SLU 51	6.995	Si
1678	16.08	1.1	0	10,11	151693	81519	-19059	1391492	747782	SLU 51	9.173	Si
1707	16.08	1.1	0	10,11	127532	37835	-18917	1451592	430640	SLU 51	11.382	Si
1736	16.08	1.1	0	10,11	103372	-37552	-18776	1261551	-458285	SLU 51	12.204	Si
1765	16.08	1.1	0	10,11	79211	-93607	-18635	824700	-974577	SLU 51	10.411	Si
1794	16.08	1.1	0	10,11	55051	-151982	-18493	464783	-1283158	SLU 51	8.443	Si
1823	16.08	1.1	0	10,11	36704	-210357	-18352	252355	-1446301	SLU 51	6.875	Si
1852	16.08	1.1	0	10,11	36421	-268732	-18210	201188	-1484466	SLU 51	5.524	Si
1881	16.08	1.1	0	10,11	-36138	-327108	-18069	-154638	-1399722	SLU 51	4.279	Si
1910	16.08	1.1	0	10,11	-41175	-384476	-17930	-136474	-1274338	SLU 51	3.314	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	1501622	-61224	-105021	-2.02	1.92	2557448	-104273	SLV 13	1.703				Si
-111	20.11	2.2	0	1,2	1380131	-57176	-104890	-2.02	1.92	2497755	-103478	SLV 13	1.81				Si
-81	20.11	1.1	0	2	1256551	-53059	-104758	-2.02	1.92	2418688	-102131	SLV 13	1.925				Si
-52	20.11	1.1	0	2	1132988	-48942	-104626	-2.02	1.92	2317482	-100109	SLV 13	2.045				Si
-22	20.11	1.1	0	2	-1000959	27929	-108274	-2.02	1.92	-2159802	60264	SLV 3	2.158				Si
7	20.11	1.1	0	2	-901207	22399	-108141	-2.02	1.92	-2036507	50616	SLV 3	2.26				Si
36	20.11	1.1	0	2	-801497	16870	-108009	-2.02	1.92	-1895683	39900	SLV 3	2.365				Si
66	20.11	1.1	0	2	-670800	59141	-112290	-2.02	1.92	-1596183	140727	SLV 1	2.38				Si
95	20.11	1.1	0	2	-602326	43308	-112158	-2.02	1.92	-1491311	107228	SLV 1	2.476				Si
125	20.11	1.1	0	2	-501981	27339	-112024	-2.02	1.92	-1314561	71595	SLV 1	2.619				Si
154	20.11	1.1	0	2	-404041	11766	-111893	-2.02	1.92	-1120952	32642	SLV 1	2.774				Si
184	20.11	1.1	0	2	-234212	-403	-114042	-2.02	1.92	-676232	-1165	SLV 5	2.887				Si
213	20.11	1.1	0	2	-175605	-23363	-113912	-2.02	1.92	-507600	-67534	SLV 5	2.891				Si
242	20.11	1.1	0	2	-148571	-43221	-113777	-2.02	1.92	-429961	-125081	SLV 5	2.894				Si
272	20.11	1.1	0	2	-150985	-63941	-113645	-2.02	1.92	-437459	-185260	SLV 5	2.897				Si
301	20.11	1.1	0	2	-298988	-64218	-111054	-2.02	1.92	-847273	-181981	SLV 9	2.834				Si
331	20.11	1.1	0	2	-387810	-79115	-110922	-2.02	1.92	-1042351	-212645	SLV 9	2.688				Si
360	20.11	1.1	0	2	-475952	-93768	-110792	-2.02	1.92	-1217130	-239789	SLV 9	2.557				Si
380	20.11	2.2	0	2,3	3861	198829	-93708	-2.02	1.92	12566	647152	SLV 5	3.255				Si
409	20.11	2.2	0	2,3	12001	161644	-93578	-2.02	1.92	40648	547522	SLV 5	3.387				Si
438	20.11	1.1	0	3	16749	124508	-93447	-2.02	1.92	59018	438714	SLV 5	3.524				Si
467	20.11	1.1	0	3	61711	87491	-93317	-2.02	1.92	217749	308714	SLV 5	3.529				Si
496	20.11	1.1	0	3	62595	50910	-93186	-2.02	1.92	221176	179886	SLV 5	3.533				Si
525	20.11	1.1	0	3	61853	15383	-93056	-2.02	1.92	218860	54432	SLV 5	3.538				Si
554	20.11	1.1	0	3	58928	-27111	-92925	-2.02	1.92	208804	-96065	SLV 5	3.543				Si
583	20.11	1.1	0	3	66362	-63250	-92795	-2.02	1.92	235476	-224434	SLV 5	3.548				Si
612	20.11	1.1	0	3	199077	-100189	-92664	-2.02	1.92	664516	-334430	SLV 5	3.338				Si
641	20.11	1.1	0	3	210127	-137298	-92534	-2.02	1.92	672264	-439262	SLV 5	3.199				Si
670	20.11	1.1	0	3	222187	-173830	-92406	-2.02	1.92	682148	-533684	SLV 5	3.07				Si
690	20.11	2.2	0	3,4,6,7	-344967	148722	-73086	-2.02	1.92	-1196223	515713	SLV 1	3.468				Si
719	20.11	2.2	0	3,4,6,7	-227402	142234	-74560	-2.02	1.92	-839152	524868	SLV 5	3.69				Si
748	20.11	1.1	0	4,6,7	-196319	105855	-74430	-2.02	1.92	-771827	416167	SLV 5	3.931				Si
777	20.11	1.1	0	4,6,7	-167779	69656	-74299	-2.02	1.92	-704037	292290	SLV 5	4.196				Si
806	20.11	1.1	0	4,6,7	-146016	34308	-74169	-2.02	1.92	-648231	152311	SLV 5	4.439				Si
835	20.11	1.1	0	4,6,7	-94862	-5046	-74038	-2.02	1.92	-421877	-22439	SLV 5	4.447				Si
864	20.11	1.1	0	4,6,7	-22969	-42485	-73908	-2.02	1.92	-102329	-189278	SLV 5	4.455				Si
893	20.11	1.1	0	4,6,7	1615	-78310	-73777	-2.02	1.92	7209	-349498	SLV 5	4.463				Si
922	20.11	1.1	0	4,6,7	31160	-114592	-73647	-2.02	1.92	135086	-496791	SLV 5	4.335				Si
951	20.37	1.6	0	4,5,6,7	62668	-151000	-73516	-2.02	1.92	254612	-613493	SLV 5	4.063				Si
980	27.42	2	0	4,5,6,7	94541	-186832	-73388	-2.02	1.92	385456	-761743	SLV 5	4.077				Si
1000	20.11	2.4	0	5,6,7,8	112480	132502	-52622	-2.02	1.92	491073	578489	SLV 9	4.366				Si
1029	17.8	2.4	0	5,6,7,8	91841	104285	-52514	-2.02	1.92	419564	476411	SLV 9	4.568				Si
1058	16.08	1.1	0	8	70789	76111	-52405	-2.02	1.92	341939	367647	SLV 9	4.83				Si
1087	16.08	1.1	0	8	6508	59518	-53521	-2.02	1.92	33045	302223	SLV 5	5.078				Si
1116	16.08	1.1	0	8	3306	26662	-53412	-2.02	1.92	16823	135661	SLV 5	5.088				Si
1145	16.08	1.1	0	8	62521	-15098	-53303	-2.02	1.92	318767	-76978	SLV 5	5.099				Si
1174	16.08	1.1	0	8	51525	-47285	-53195	-2.02	1.92	263239	-241576	SLV 5	5.109				Si
1203	16.08	1.1	0	8	46906	-81405	-53086	-2.02	1.92	227539	-394891	SLV 5	4.851				Si
1232	16.08	1.1	0	8	44981	-115887	-52977	-2.02	1.92	205062	-528311	SLV 5	4.559				Si
1261	16.08	1.1	0	8	44304	-150481	-52868	-2.02	1.92	190136	-645805	SLV 5	4.292				Si
1290	16.08	1.1	0	8	44281	-184527	-52762	-2.02	1.92	179576	-748329	SLV 5	4.055				Si
1310	16.08	2.1	0	8,9	356234	-11304	-28012	-2.02	1.92	1812205	-57504	SLV 15	5.087				Si
1339	16.08	2.1	0	8,9	282367	-6378	-27903	-2.02	1.92	1704017	-38488	SLV 15	6.035				Si
1368	16.08	1.1	0	9	-16520	94135	-33035	-2.02	1.92	-115055	655601	SLV 5	6.964				Si
1397	16.08	1.1	0	9	-16188	64712	-32926	-2.02	1.92	-123463	493544	SLV 5	7.627				Si
1426	16.08	1.1	0	9	-14591	36165	-32818	-2.02	1.92	-120834	299491	SLV 5	8.281				Si
1455	16.08	1.1	0	9	-4273	3660	-32709	-2.02	1.92	-35505	30408	SLV 5	8.309				Si
1484	16.08	1.1	0	9	-120006	20170	-27359	-2.02	1.92	-989148	166250	SLV 15	8.242				Si
1513	16.08	1.1	0	9	-189447	24660	-27251	-2.02	1.92	-1347534	175407	SLV 15	7.113				Si
1542	16.08	1.1	0	9	-262060	29469	-27142	-2.02	1.92	-1587462	178512	SLV 15	6.058				Si
1571	16.08	1.1	0	9	-335912	34371	-27033	-2.02	1.92	-1712675	175241	SLV 15	5.099				Si
1600	16.08	1.1	0	9	-409075	39227	-26926	-2.02	1.92	-1761621	168923	SLV 15	4.306				Si
1620	16.08	2.1	0	9,10,11	219065	92747	-10524	-2.02	1.92	1250403	529390	SLV 13	5.708				Si
1649	16.08	2.1	0	9,10,11	176341	65484	-10416	-2.02	1.92	1345545	499662	SLV 13	7.63				Si
1678	16.08	1.1	0	10,11	162290	15939	-9420	-2.02	1.92	1763603	173211	SLV 15	10.867				Si
1707	16.08	1.1	0	10,11	113585	-4033	-8827	-2.02	1.92	1811853	-64328	SLV 11	15.952				Si
1736	16.08	1.1	0	10,11	93150	-14116	-10775	-2.02	1.92	1484673	-224994	SLV 3	15.938				Si
1765	16.08	1.1	0	10,11	108483	-68848	-11553	-2.02	1.92	1086027	-689236	SLV 1	10.011				Si
1794	16.08	1.1	0	10,11	132865	-119486	-11444	-2.02	1.92	882881	-793981	SLV 1	6.645				Si
1823	16.08	1.1	0	10,11	159150	-170295	-11336	-2.02	1.92	768828	-822671	SLV 1	4.831				Si
1852	16.08	1.1	0	10,11	186051	-221147	-11227	-2.02	1.92	692327	-822923	SLV 1	3.721				Si
1881	16.08	1.1	0	10,11	213223	-272015	-11118	-2.02	1.92	600069	-765529	SLV 1	2.814				Si
1910	16.08	1.1	0	10,11	240063	-322015	-11011	-2.02	1.92	542451	-727632	SLV 1	2.26				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	619916	-27576	-106173	1597518	-71062	SLD 13	2.577	Si
-111	20.11	2.2	0	1,2	565107	-26394	-106043	1496363	-69889	SLD 13	2.648	Si
-81	20.11	1.1	0	2	509357	-25192	-105911	1387593	-68628	SLD 13	2.724	Si
-52	20.11	1.1	0	2	453616	-23990	-105779	1272390	-67292	SLD 13	2.805	Si
-22	20.11	1.1	0	2	397887	-22789	-105646	1150174	-65875	SLD 13	2.891	Si
7	20.11	1.1	0	2	-357443	3277	-106989	-1058405	9702	SLD 3	2.961	Si
36	20.11	1.1	0	2	33416	34634	-109469	100513	104176	SLD 5	3.008	Si
66	20.11	1.1	0	2	-172848	25997	-109336	-520538	78290	SLD 5	3.012	Si
95	20.11	1.1	0	2	-194487	17367	-109204	-586413	52364	SLD 5	3.015	Si
125	20.11	1.1	0	2	-175608	8667	-109070	-530138	26163	SLD 5	3.019	Si
154	20.11	1.1	0	2	-157348	196	-108939	-475586	594	SLD 5	3.023	Si
184	20.11	1.1	0	2	-139533	-8321	-108807	-422251	-25180	SLD 5	3.026	Si
213	20.11	1.1	0	2	-124194	-18168	-108677	-376284	-55046	SLD 5	3.03	Si
242	20.11	1.1	0	2	-121988	-26247	-108542	-370058	-79622	SLD 5	3.034	Si
272	20.11	1.1	0	2	-128770	-34783	-108410	-391108	-105645	SLD 5	3.037	Si
301	20.11	1.1	0	2	-147701	-43390	-108278	-449154	-131948	SLD 5	3.041	Si
331	20.11	1.1	0	2	-167217	-52019	-108145	-509126	-158381	SLD 5	3.045	Si
360	20.11	1.1	0	2	-278856	-47650	-107056	-833201	-142375	SLD 9	2.988	Si
380	20.11	2.2	0	2,3	69856	123279	-89290	250686	442402	SLD 5	3.589	Si
409	20.11	2.2	0	2,3	69544	100649	-89159	256831	371702	SLD 5	3.693	Si
438	20.11	1.1	0	3	67939	78050	-89029	251268	288664	SLD 5	3.698	Si
467	20.11	1.1	0	3	85907	55524	-88898	318190	205655	SLD 5	3.704	Si
496	20.11	1.1	0	3	82919	33263	-88768	307574	123383	SLD 5	3.709	Si
525	20.11	1.1	0	3	79317	11457	-88637	294647	42560	SLD 5	3.715	Si
554	20.11	1.1	0	3	74959	-14188	-88507	278870	-52785	SLD 5	3.72	Si
583	20.11	1.1	0	3	75127	-36225	-88376	279906	-134967	SLD 5	3.726	Si
612	20.11	1.1	0	3	127815	-58709	-88246	476913	-219059	SLD 5	3.731	Si
641	20.11	1.1	0	3	128941	-81293	-88115	476123	-300179	SLD 5	3.693	Si
670	20.11	1.1	0	3	130537	-103526	-87987	469917	-372680	SLD 5	3.6	Si
690	20.11	2.2	0	3,4,6,7	-179252	94304	-70539	-752859	396076	SLD 1	4.2	Si
719	20.11	2.2	0	3,4,6,7	-135640	84531	-71036	-591489	368619	SLD 5	4.361	Si
748	20.11	1.1	0	4,6,7	-126374	63100	-70905	-572216	285713	SLD 5	4.528	Si
777	20.11	1.1	0	4,6,7	-118333	41777	-70775	-550525	194360	SLD 5	4.652	Si
806	20.11	1.1	0	4,6,7	-113092	20940	-70644	-527115	97598	SLD 5	4.661	Si
835	20.11	1.1	0	4,6,7	-91486	-2334	-70514	-427198	-10898	SLD 5	4.67	Si
864	20.11	1.1	0	4,6,7	-61440	-24333	-70383	-287431	-113838	SLD 5	4.678	Si
893	20.11	1.1	0	4,6,7	-55611	-45439	-70253	-260645	-212968	SLD 5	4.687	Si
922	20.11	1.1	0	4,6,7	-47326	-66812	-70122	-222228	-313726	SLD 5	4.696	Si
951	20.37	1.6	0	4,5,6,7	-88838	-76518	-69360	-413893	-356491	SLD 9	4.659	Si
980	27.42	2	0	4,5,6,7	-89682	-94886	-69232	-435152	-460401	SLD 9	4.852	Si
1000	20.11	2.4	0	5,6,7,8	131149	89821	-50694	619099	424003	SLD 9	4.721	Si
1029	17.8	2.4	0	5,6,7,8	106898	70855	-50585	524379	347571	SLD 9	4.905	Si
1058	16.08	1.1	0	8	82474	51916	-50476	424132	266984	SLD 9	5.143	Si
1087	16.08	1.1	0	8	38121	37731	-50848	203747	201665	SLD 5	5.345	Si
1116	16.08	1.1	0	8	21696	17203	-50739	116209	92145	SLD 5	5.356	Si
1145	16.08	1.1	0	8	35777	-8263	-50630	192042	-44351	SLD 5	5.368	Si
1174	16.08	1.1	0	8	14023	-28421	-50522	75432	-152882	SLD 5	5.379	Si
1203	16.08	1.1	0	8	-4880	-49578	-50413	-26309	-267269	SLD 5	5.391	Si
1232	16.08	1.1	0	8	-56656	-62475	-49824	-297214	-327736	SLD 9	5.246	Si
1261	16.08	1.1	0	8	-80987	-81437	-49715	-398861	-401079	SLD 9	4.925	Si
1290	16.08	1.1	0	8	-104764	-100086	-49608	-486762	-465026	SLD 9	4.646	Si
1310	16.08	2.1	0	8,9	201493	50238	-29963	1251730	312093	SLD 13	6.212	Si
1339	16.08	2.1	0	8,9	160230	42223	-29854	1094095	288312	SLD 13	6.828	Si
1368	16.08	1.1	0	9	119321	34193	-29746	896533	256911	SLD 13	7.514	Si
1397	16.08	1.1	0	9	79313	26122	-29637	660545	217557	SLD 13	8.328	Si
1426	16.08	1.1	0	9	5334	27127	-30971	46805	238044	SLD 5	8.775	Si
1455	16.08	1.1	0	9	-4313	7625	-30862	-37984	67149	SLD 5	8.806	Si
1484	16.08	1.1	0	9	-3671	-10114	-30753	-32437	-89380	SLD 5	8.837	Si
1513	16.08	1.1	0	9	-109776	3778	-28582	-933130	32118	SLD 15	8.5	Si
1542	16.08	1.1	0	9	-136556	-13458	-29093	-1059639	-104431	SLD 13	7.76	Si
1571	16.08	1.1	0	9	-177786	-21485	-28984	-1255919	-151772	SLD 13	7.064	Si
1600	16.08	1.1	0	9	-218488	-29359	-28877	-1407661	-189154	SLD 13	6.443	Si
1620	16.08	2.1	0	9,10,11	157736	106837	-10733	1029315	697167	SLD 13	6.526	Si
1649	16.08	2.1	0	9,10,11	132459	76060	-10624	1140846	655095	SLD 13	8.613	Si
1678	16.08	1.1	0	10,11	120594	36360	-10163	1445288	435768	SLD 15	11.985	Si
1707	16.08	1.1	0	10,11	92713	10105	-10054	1563159	170372	SLD 15	16.86	Si
1736	16.08	1.1	0	10,11	74514	-15060	-10567	1312729	-265314	SLD 3	17.617	Si
1765	16.08	1.1	0	10,11	70954	-56882	-10810	925116	-741643	SLD 1	13.038	Si
1794	16.08	1.1	0	10,11	72300	-96940	-10701	685650	-919322	SLD 1	9.483	Si
1823	16.08	1.1	0	10,11	74777	-137101	-10593	534933	-980777	SLD 1	7.154	Si
1852	16.08	1.1	0	10,11	77612	-177286	-10484	443931	-1014052	SLD 1	5.72	Si
1881	16.08	1.1	0	10,11	55206	-228845	-10569	257973	-1069374	SLD 5	4.673	Si
1910	16.08	1.1	0	10,11	54090	-270470	-10462	199287	-996511	SLD 5	3.684	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-258	-163875	SLU 46	15366	50690	50999	2.3	196.37	1007	-90130	SLU 3	15029	48385	55356	2.5	48.04	Si
-111	5X/2Y Ø8/10	-258	-163706	SLU 46	15366	50690	51057	2.3	196.37	1007	-90000	SLU 3	15029	48385	55356	2.5	48.04	Si
-81	5X/2Y Ø8/10	-258	-163534	SLU 46	15366	50690	51116	2.3	196.37	1007	-89868	SLU 3	15029	48385	55356	2.5	48.04	Si
-52	5X/2Y Ø8/10	-258	-163361	SLU 46	15366	50690	51174	2.3	196.37	1007	-89735	SLU 3	15029	48385	55356	2.5	48.04	Si
-22	5X/2Y Ø8/15	-258	-128119	SLU 33	15366	36732	50429	2.5	142.2	1007	-89603	SLU 3	15029	32257	55356	2.5	32.03	Si
7	5X/2Y Ø8/15	-258	-127947	SLU 33	15366	36732	50429	2.5	142.2	1007	-89471	SLU 3	15029	32257	55356	2.5	32.03	Si
36	5X/2Y Ø8/15	-258	-127775	SLU 33	15366	36732	50429	2.5	142.2	1007	-89338	SLU 3	15029	32257	55356	2.5	32.03	Si
66	5X/2Y Ø8/15	-258	-127603	SLU 33	15366	36732	50429	2.5	142.2	1007	-89206	SLU 3	15029	32257	55356	2.5	32.03	Si
95	5X/2Y Ø8/15	-258	-127431	SLU 33	15366	36732	50429	2.5	142.2	1007	-89074	SLU 3	15029	32257	55356	2.5	32.03	Si
125	5X/2Y Ø8/15	-258	-127257	SLU 33	15366	36732	50429	2.5	142.2	1007	-88940	SLU 3	15029	32257	55356	2.5	32.03	Si
154	5X/2Y Ø8/15	-258	-127087	SLU 33	15366	36732	50429	2.5	142.2	1007	-88809	SLU 3	15029	32257	55356	2.5	32.03	Si
184	5X/2Y Ø8/15	-258	-126915	SLU 33	15366	36732	50429	2.5	142.2	1007	-88677	SLU 3	15029	32257	55356	2.5	32.03	Si
213	5X/2Y Ø8/15	-258	-126745	SLU 33	15366	36732	50429	2.5	142.2	1007	-88546	SLU 3	15029	32257	55356	2.5	32.03	Si
242	5X/2Y Ø8/10	-258	-161641	SLU 46	15366	50690	51762	2.3	196.37	1007	-88412	SLU 3	15029	48385	55356	2.5	48.04	Si
272	5X/2Y Ø8/10	-258	-161469	SLU 46	15366	50690	51821	2.3	196.37	1007	-88279	SLU 3	15029	48385	55356	2.5	48.04	Si
301	5X/2Y Ø8/10	-258	-161297	SLU 46	15366	50690	51879	2.3	196.37	1007	-88147	SLU 3	15029	48385	55356	2.5	48.04	Si
331	5X/2Y Ø8/10	-258	-161125	SLU 46	15366	50690	51938	2.3	196.37	1007	-88015	SLU 3	15029	48385	55356	2.5	48.04	Si
360	5X/2Y Ø8/10	-258	-160956	SLU 46	15366	50690	51996	2.3	196.37	1007	-87885	SLU 3	15029	48385	55356	2.5	48.04	Si
380	5X/2Y Ø8/10	-690	-141595	SLU 51	15366	51792	52691	2.35	75.1	-947	-132561	SLU 45	15029	48385	55356	2.5	51.12	Si
409	5X/2Y Ø8/10	-690	-141425	SLU 51	15366	51792	52691	2.35	75.1	-947	-132391	SLU 45	15029	48385	55356	2.5	51.12	Si
438	5X/2Y Ø8/10	-690	-141255	SLU 51	15366	51792	52691	2.35	75.1	-947	-132221	SLU 45	15029	48385	55356	2.5	51.12	Si
467	5X/2Y Ø8/14.4	-690	-141086	SLU 51	15366	38145	50429	2.5	55.31	-947	-132052	SLU 45	15029	33497	55356	2.5	35.39	Si
496	5X/2Y Ø8/14.4	-690	-140916	SLU 51	15366	38145	50429	2.5	55.31	-947	-131882	SLU 45	15029	33497	55356	2.5	35.39	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
525	5X/2Y Ø8/14.4	-690	-140746	SLU 51	15366	38145	50429	2.5	55.31	-947	-131712	SLU 45	15029	33497	55356	2.5	35.39	Si
554	5X/2Y Ø8/14.4	-690	-140577	SLU 51	15366	38145	50429	2.5	55.31	-947	-131543	SLU 45	15029	33497	55356	2.5	35.39	Si
583	5X/2Y Ø8/14.4	-690	-140407	SLU 51	15366	38145	50429	2.5	55.31	-947	-131373	SLU 45	15029	33497	55356	2.5	35.39	Si
612	5X/2Y Ø8/10	-690	-140237	SLU 51	15366	51792	52691	2.35	75.1	-947	-131203	SLU 45	15029	48385	55356	2.5	51.12	Si
641	5X/2Y Ø8/10	-690	-140068	SLU 51	15366	51792	52691	2.35	75.1	-947	-131034	SLU 45	15029	48385	55356	2.5	51.12	Si
670	5X/2Y Ø8/10	-690	-139901	SLU 51	15366	51792	52691	2.35	75.1	-947	-130867	SLU 45	15029	48385	55356	2.5	51.12	Si
690	5X/2Y Ø8/10	-627	-113171	SLU 51	15366	51792	52691	2.35	82.55	-206	-89805	SLU 41	15029	48385	55356	2.5	234.55	Si
719	5X/2Y Ø8/10	-627	-113002	SLU 51	15366	51792	52691	2.35	82.55	-206	-89635	SLU 41	15029	48385	55356	2.5	234.55	Si
748	5X/2Y Ø8/10	-627	-112832	SLU 51	15366	51792	52691	2.35	82.55	-206	-89465	SLU 41	15029	48385	55356	2.5	234.55	Si
777	5X/2Y Ø8/14.4	-627	-112662	SLU 51	15366	38145	50429	2.5	60.8	-206	-89296	SLU 41	15029	33497	55356	2.5	162.38	Si
806	5X/2Y Ø8/14.4	-627	-112493	SLU 51	15366	38145	50429	2.5	60.8	-206	-89126	SLU 41	15029	33497	55356	2.5	162.38	Si
835	5X/2Y Ø8/14.4	-627	-112323	SLU 51	15366	38145	50429	2.5	60.8	-206	-88956	SLU 41	15029	33497	55356	2.5	162.38	Si
864	5X/2Y Ø8/14.4	-627	-112153	SLU 51	15366	38145	50429	2.5	60.8	-206	-88787	SLU 41	15029	33497	55356	2.5	162.38	Si
893	5X/2Y Ø8/14.4	-627	-111984	SLU 51	15366	38145	50429	2.5	60.8	-206	-88617	SLU 41	15029	33497	55356	2.5	162.38	Si
922	5X/2Y Ø8/10	-627	-111814	SLU 51	15366	51792	52691	2.35	82.55	-206	-88448	SLU 41	15029	48385	55356	2.5	234.55	Si
951	5X/2Y Ø8/10	-627	-111644	SLU 51	15366	51792	52691	2.35	82.55	-206	-88278	SLU 41	15029	48385	55356	2.5	234.55	Si
980	5X/2Y Ø8/10	-627	-111478	SLU 51	15366	51792	52691	2.35	82.55	-206	-88111	SLU 41	15029	48385	55356	2.5	234.55	Si
1000	4X/2Y Ø8/10	-712	-81781	SLU 51	12805	42315	43268	2.4	59.42	-1615	-81438	SLU 50	12600	39534	45230	2.5	24.47	Si
1029	4X/2Y Ø8/10	-712	-81639	SLU 51	12805	42315	43268	2.4	59.42	-1615	-81297	SLU 50	12600	39534	45230	2.5	24.47	Si
1058	4X/2Y Ø8/10	-712	-81498	SLU 51	12805	42315	43268	2.4	59.42	-1615	-81155	SLU 50	12600	39534	45230	2.5	24.47	Si
1087	4X/2Y Ø8/14.4	-712	-81357	SLU 51	12805	30516	42024	2.5	42.85	-1615	-81014	SLU 50	12600	27370	45230	2.5	16.94	Si
1116	4X/2Y Ø8/14.4	-712	-81215	SLU 51	12805	30516	42024	2.5	42.85	-1615	-80873	SLU 50	12600	27370	45230	2.5	16.94	Si
1145	4X/2Y Ø8/14.4	-712	-81074	SLU 51	12805	30516	42024	2.5	42.85	-1615	-80731	SLU 50	12600	27370	45230	2.5	16.94	Si
1174	4X/2Y Ø8/14.4	-712	-80932	SLU 51	12805	30516	42024	2.5	42.85	-1615	-80590	SLU 50	12600	27370	45230	2.5	16.94	Si
1203	4X/2Y Ø8/14.4	-712	-80791	SLU 51	12805	30516	42024	2.5	42.85	-1615	-80449	SLU 50	12600	27370	45230	2.5	16.94	Si
1232	4X/2Y Ø8/10	-712	-80650	SLU 51	12805	42315	43268	2.4	59.42	-1615	-80307	SLU 50	12600	39534	45230	2.5	24.47	Si
1261	4X/2Y Ø8/10	-712	-80508	SLU 51	12805	42315	43268	2.4	59.42	-1615	-80166	SLU 50	12600	39534	45230	2.5	24.47	Si
1290	4X/2Y Ø8/10	-712	-80369	SLU 51	12805	42315	43268	2.4	59.42	-1615	-80027	SLU 50	12600	39534	45230	2.5	24.47	Si
1310	4X/2Y Ø8/10	-498	-50649	SLU 51	12611	41434	41943	2.35	83.15	-1651	-50434	SLU 49	12363	39534	43175	2.5	23.95	Si
1339	4X/2Y Ø8/10	-498	-50508	SLU 51	12594	41434	41924	2.35	83.15	-1651	-50293	SLU 49	12344	39534	43156	2.5	23.95	Si
1368	4X/2Y Ø8/10	-498	-50366	SLU 51	12576	41434	41905	2.35	83.15	-1651	-50152	SLU 49	12325	39534	43136	2.5	23.95	Si
1397	4X/2Y Ø8/14.4	-498	-50225	SLU 51	12558	30516	40088	2.5	61.24	-1651	-50010	SLU 49	12306	27370	43116	2.5	16.58	Si
1426	4X/2Y Ø8/14.4	-498	-50084	SLU 51	12541	30516	40070	2.5	61.24	-1651	-49869	SLU 49	12287	27370	43097	2.5	16.58	Si
1455	4X/2Y Ø8/14.4	-498	-49942	SLU 51	12523	30516	40052	2.5	61.24	-1651	-49728	SLU 49	12268	27370	43077	2.5	16.58	Si
1484	4X/2Y Ø8/14.4	-498	-49801	SLU 51	12506	30516	40034	2.5	61.24	-1651	-49586	SLU 49	12249	27370	43058	2.5	16.58	Si
1513	4X/2Y Ø8/14.4	-498	-49659	SLU 51	12488	30516	40015	2.5	61.24	-1651	-49445	SLU 49	12230	27370	43038	2.5	16.58	Si
1542	4X/2Y Ø8/10	-490	-46221	SLU 47	12060	40552	41963	2.3	82.69	-1651	-49303	SLU 49	12211	39534	43018	2.5	23.95	Si
1571	4X/2Y Ø8/10	-490	-46080	SLU 47	12042	40552	41944	2.3	82.69	-1651	-49162	SLU 49	12192	39534	42999	2.5	23.95	Si
1600	4X/2Y Ø8/10	-490	-45941	SLU 47	12025	40552	41925	2.3	82.69	-1651	-49023	SLU 49	12174	39534	42980	2.5	23.95	Si
1620	4X/2Y Ø8/10	-2013	-19341	SLU 51	8713	38789	39450	2.2	19.27	-845	-19163	SLU 49	8172	38743	39409	2.45	45.83	Si
1649	4X/2Y Ø8/10	-2013	-19200	SLU 51	8696	38789	39430	2.2	19.27	-845	-19021	SLU 49	8153	38743	39389	2.45	45.83	Si
1678	4X/2Y Ø8/10	-2013	-19059	SLU 51	8678	38789	39410	2.2	19.27	-845	-18880	SLU 49	8135	38743	39369	2.45	45.83	Si
1707	4X/2Y Ø8/14.4	-2013	-18917	SLU 51	8661	30516	36056	2.5	15.16	-845	-18739	SLU 49	8116	27370	38782	2.5	32.38	Si
1736	4X/2Y Ø8/14.4	-2013	-18776	SLU 51	8643	30516	36038	2.5	15.16	-845	-18597	SLU 49	8097	27370	38762	2.5	32.38	Si
1765	4X/2Y Ø8/14.4	-2013	-18635	SLU 51	8625	30516	36020	2.5	15.16	-845	-18456	SLU 49	8078	27370	38742	2.5	32.38	Si
1794	4X/2Y Ø8/14.4	-2013	-18493	SLU 51	8608	30516	36001	2.5	15.16	-845	-18314	SLU 49	8059	27370	38723	2.5	32.38	Si
1823	4X/2Y Ø8/14.4	-2013	-18352	SLU 51	8590	30516	35983	2.5	15.16	-845	-18173	SLU 49	8040	27370	38703	2.5	32.38	Si
1852	4X/2Y Ø8/10	-2013	-18210	SLU 51	8573	38789	39290	2.2	19.27	-845	-18032	SLU 49	8021	38743	39250	2.45	45.83	Si
1881	4X/2Y Ø8/10	-2013	-18069	SLU 51	8555	38789	39271	2.2	19.27	-845	-17890	SLU 49	8002	38743	39230	2.45	45.83	Si
1910	4X/2Y Ø8/10	-2013	-17930	SLU 51	8538	38789	39251	2.2	19.27	-845	-17751	SLU 49	7983	38743	39210	2.45	45.83	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-711	-115496	SLV 5	15366	51792	52691	2.35	72.83	-4205	-105021	SLV 13	15029	48385	55356	2.5	11.51	Si
-111	5X/2Y Ø8/10	-711	-115366	SLV 5	15366	51792	52691	2.35	72.83	-4205	-104890	SLV 13	15029	48385	55356	2.5	11.51	Si
-81	5X/2Y Ø8/10	-711	-115233	SLV 5	15366	51792	52691	2.35	72.83	-4205	-104758	SLV 13	15029	48385	55356	2.5	11.51	Si
-52	5X/2Y Ø8/10	-711	-115101	SLV 5	15366	51792	52691	2.35	72.83	-4205	-104626	SLV 13	15029	48385	55356	2.5	11.51	Si
-22	5X/2Y Ø8/15	-711	-114969	SLV 5	15366	36732	50429	2.5	51.65	-4205	-104493	SLV 13	15029	32257	55356	2.5	7.67	Si
7	5X/2Y Ø8/15	-711	-114836	SLV 5	15366	36732	50429	2.5	51.65	-4205	-104361	SLV 13	15029	32257	55356	2.5	7.67	Si
36	5X/2Y Ø8/15	-711	-114704	SLV 5	15366	36732	50429	2.5	51.65	-4205	-104229	SLV 13	15029	32257	55356	2.5	7.67	Si
66	5X/2Y Ø8/15	-711	-114571	SLV 5	15366	36732	50429	2.5	51.65	-4205	-104096	SLV 13	15029	32257	55356	2.5	7.67	Si
95	5X/2Y Ø8/15	-711	-114439	SLV 5	15366	36732	50429	2.5	51.65	-4205	-103964	SLV 13	15029	32257	55356	2.5	7.67	Si
125	5X/2Y Ø8/15	-711	-114305	SLV 5	15366	36732	50429	2.5	51.65	-4205	-103830	SLV 13	15029	32257	55356	2.5	7.67	Si
154	5X/2Y Ø8/15	-711	-114174	SLV 5	15366	36732	50429	2.5	51.65	-4205	-103699	SLV 13	15029	32257	55356	2.5	7.67	Si
184	5X/2Y Ø8/15	-711	-114042	SLV 5	15366	36732	50429	2.5	51.65	-4205	-103567	SLV 13	15029	32257	55356	2.5	7.67	Si
213	5X/2Y Ø8/15	-711	-113912	SLV 5	15366	36732	50429	2.5	51.65	-4205	-103437	SLV 13	15029	32257	55356	2.5	7.67	Si
242	5X/2Y Ø8/10	-711	-113777	SLV 5	15366	51792	52691	2.35	72.83	-4205	-103302	SLV 13	15029	48385	55356	2.5	11.51	Si
272	5X/2Y Ø8/10	-711	-113645	SLV 5	15366	51792	52691	2.35	72.83	-4205	-103170	SLV 13	15029	48385	55356	2.5	11.51	Si
301	5X/2Y Ø8/10	-711	-113513	SLV 5	15366	51792	52691	2.35	72.83	-4205	-103037	SLV 13	15029	48385	55356	2.5	11.51	Si
331	5X/2Y Ø8/10	-711	-113380	SLV 5	15366	51792	52691	2.35	72.83	-4205	-102905	SLV 13	15029	48385	55356	2.5	11.51	Si
360	5X/2Y Ø8/10	-711	-113250	SLV 5	15366	51792	52691	2.35	72.83	-4205	-102775	SLV 13	15029	48385	55356	2.5	11.51	Si
380	5X/2Y Ø8/10	-1285	-93708	SLV 5	15366	51792	52691	2.35	40.31	-1140	-81140	SLV 15	15029	48385	55356	2.5	42.44	Si
409	5X/2Y Ø8/10	-1285	-93578	SLV 5	15366	51792	52691	2.35	40.31	-1140	-81010	SLV 15	15029	48385	55356	2.5	42.44	Si
438	5X/2Y Ø8/10	-1285	-93447	SLV 5	15366	51792	52691	2.35	40.31	-1140	-80879	SLV 15	15029	48385	55356	2.5	42.44	Si
467	5X/2Y Ø8/14.4	-1285	-93317	SLV 5	15366	38145	50429	2.5	29.69	-1140	-80749	SLV 15	15029	33497	55356	2.5	29.38	Si
496	5X/2Y Ø8/14.4	-1285	-93186	SLV 5	15366	38145	50429	2.5	29.69	-1140	-80618	SLV 15	15029	33497	55356	2.5	29.38	Si
525	5X/2Y Ø8/14.4	-1285	-93056	SLV 5	15366	38145	50429	2.5	29.69	-1140	-80488	SLV 15	15029	33497	55356	2.5	29.38	Si
554	5X/2Y Ø8/14.4	-1285	-92925	SLV 5	15366	38145	50429	2.5	29.69	-1140	-80357	SLV 15	15029	33497	55356	2.5	29.38	Si
583	5X/2Y Ø8/14.4	-1285	-92795	SLV 5	15366	38145	50429	2.5	29.69	-1140	-80227	SLV 15	15029	33497	55356	2.5	29.38	Si
612	5X/2Y Ø8/10	-1285	-92664	SLV 5	15366	51792	52691	2.35	40.31	-1140	-80096	SLV 15	15029	48385	55356	2.5	42.44	Si
641	5X/2Y Ø8/10	-1285	-92534	SLV 5	15366	51792	52691	2.35	40.31	-1140	-79966	SLV 15	15029	48385	55356	2.5	42.44	Si
670	5X/2Y Ø8/10	-1285	-92406	SLV 5	15366	51792	52691	2.35	40.31	-1140	-79837	SLV 15	15029	48385	55356	2.5	42.44	Si
690	5X/2Y Ø8/10	-1260	-74691	SLV 5	15366	51792	52204	2.35	41.1	-2058	-64715	SLV 15	15029	48385	53434	2.5	23.51	Si
719	5X/2Y Ø8/10	-1260	-74560	SLV 5	15366	51792	52186	2.35	41.1	-2058	-64584	SLV 15	15029	48385	53416	2.5	23.51	Si
748	5X/2Y Ø8/10	-1260	-74430	SLV 5	15366	51792	52169	2.35	41.1	-2058	-64454	SLV 15	15029	48385	53397	2.5	23.51	Si
777	5X/2Y Ø8/14.4	-1260	-74299	SLV 5	15366	38145	49913	2.5	30.27	-2058	-64323	SLV 15	15029	33497	53379	2.5	16.27	Si
806	5X/2Y Ø8/14.4	-1260	-74169	SLV 5	15366	38145	49896	2.5	30.27	-2058	-64193	SLV 15	15029	33497	53360	2.5	16.27	Si
835	5X/2Y Ø8/14.4	-1260	-74038	SLV 5	15366	38145	49879	2.5	30.27	-2058	-64062	SLV 15	15029	33497	53342	2.5	16.27	Si
864	5X/2Y Ø8/14.4	-1260	-73908	SLV 5	15366	38145	49862	2.5	30.27	-2058	-63932	SLV 15	15029	33497	53324	2.5	16.27	Si
893	5X/2Y Ø8/14.4	-1260	-73777	SLV 5	15366	38145	49845	2.5	30.27	-2058	-63801	SLV 15	15029	33497	53305	2.5	16.27	Si
922	5X/2Y Ø8/10	-1260	-73647	SLV 5	15366	51792	52063	2.35	41.1	-2058	-63671	SLV 15	15029	48385	53287	2.5	23.51	Si
951	5X/2Y Ø8/10	-1260	-73516	SLV 5	15366	51792	52046	2.35	41.1	-2058	-63540	SLV 15	15029	48385	53268	2.5	23.51	Si
980	5X/2Y Ø8/10	-1260	-73388	SLV 5	15366	51792	52028	2.35	41.1	-2058	-63412	SLV 15	15029	48385	53250	2.5	23.51	Si
1000	4X/2Y Ø8/10	-1197	-53847	SLV 5	12805	41434	42373	2.35	34.6	-2317	-46272	SLV 15	11805	39534	42598	2.5	17.07	Si
1029	4X/2Y Ø8/10	-1197	-53738	SLV 5	12805	41434	42359	2.35	34.6	-2317	-46164	SLV 15	11790	39534	42583	2.5	17.07	Si
1058	4X/2Y Ø8/10	-1197	-53630	SLV 5	12805	41434	42344	2.35	34.6	-2317	-46055	SLV 15	11776	39534	42568	2.5	17.07	Si
1087	4X/2Y Ø8/14.4	-1197	-53521	SLV 5	12805	30516	40513	2.5	25.48	-2317	-45946	SLV 15	11761	27370	42553	2.5	11.81	Si
1116	4X/2Y Ø8/14.4	-1197	-53412	SLV 5	12805	30516	40499	2.5	25.48	-2317	-45837	SLV 15	11747	27370	42538	2.5	11.81	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1145	4X/2Y Ø8/14.4	-1197	-53303	SLV 5	12805	30516	40485	2.5	25.48	-2317	-45729	SLV 15	11732	27370	42523	2.5	11.81	Si
1174	4X/2Y Ø8/14.4	-1197	-53195	SLV 5	12805	30516	40471	2.5	25.48	-2317	-45620	SLV 15	11718	27370	42508	2.5	11.81	Si
1203	4X/2Y Ø8/14.4	-1197	-53086	SLV 5	12805	30516	40457	2.5	25.48	-2317	-45511	SLV 15	11703	27370	42493	2.5	11.81	Si
1232	4X/2Y Ø8/10	-1197	-52977	SLV 5	12805	41434	42256	2.35	34.6	-2317	-45402	SLV 15	11688	39534	42478	2.5	17.07	Si
1261	4X/2Y Ø8/10	-1197	-52868	SLV 5	12805	41434	42242	2.35	34.6	-2317	-45294	SLV 15	11674	39534	42463	2.5	17.07	Si
1290	4X/2Y Ø8/10	-1197	-52762	SLV 5	12805	41434	42227	2.35	34.6	-2317	-45187	SLV 15	11660	39534	42448	2.5	17.07	Si
1310	4X/2Y Ø8/10	-1025	-33253	SLV 5	10445	39671	40794	2.25	38.71	-2605	-28012	SLV 15	9358	39534	40067	2.5	15.18	Si
1339	4X/2Y Ø8/10	-1025	-33144	SLV 5	10432	39671	40779	2.25	38.71	-2605	-27903	SLV 15	9344	39534	40052	2.5	15.18	Si
1368	4X/2Y Ø8/10	-1025	-33035	SLV 5	10418	39671	40764	2.25	38.71	-2605	-27794	SLV 15	9329	39534	40037	2.5	15.18	Si
1397	4X/2Y Ø8/14.4	-1025	-32926	SLV 5	10405	30516	37860	2.5	29.78	-2605	-27686	SLV 15	9314	27370	40022	2.5	10.51	Si
1426	4X/2Y Ø8/14.4	-1025	-32818	SLV 5	10391	30516	37846	2.5	29.78	-2605	-27577	SLV 15	9300	27370	40007	2.5	10.51	Si
1455	4X/2Y Ø8/14.4	-1025	-32709	SLV 5	10378	30516	37832	2.5	29.78	-2605	-27468	SLV 15	9285	27370	39992	2.5	10.51	Si
1484	4X/2Y Ø8/14.4	-1025	-32600	SLV 5	10364	30516	37818	2.5	29.78	-2605	-27359	SLV 15	9271	27370	39977	2.5	10.51	Si
1513	4X/2Y Ø8/14.4	-1025	-32491	SLV 5	10351	30516	37804	2.5	29.78	-2605	-27251	SLV 15	9256	27370	39961	2.5	10.51	Si
1542	4X/2Y Ø8/10	-1025	-32383	SLV 5	10337	39671	40673	2.25	38.71	-2605	-27142	SLV 15	9242	39534	39946	2.5	15.18	Si
1571	4X/2Y Ø8/10	-1025	-32274	SLV 5	10323	39671	40658	2.25	38.71	-2605	-27033	SLV 15	9227	39534	39931	2.5	15.18	Si
1600	4X/2Y Ø8/10	-1025	-32167	SLV 5	10310	39671	40643	2.25	38.71	-2605	-26926	SLV 15	9213	39534	39917	2.5	15.18	Si
1620	4X/2Y Ø8/10	-1946	-12581	SLV 5	7872	37907	39079	2.15	19.48	-1896	-9637	SLV 15	6896	37953	38630	2.4	20.02	Si
1649	4X/2Y Ø8/10	-1946	-12473	SLV 5	7858	37907	39063	2.15	19.48	-1896	-9529	SLV 15	6881	37953	38614	2.4	20.02	Si
1678	4X/2Y Ø8/10	-1946	-12364	SLV 5	7845	37907	39048	2.15	19.48	-1896	-9420	SLV 15	6867	37953	38599	2.4	20.02	Si
1707	4X/2Y Ø8/14.4	-1946	-12255	SLV 5	7831	30516	35198	2.5	15.68	-1896	-9311	SLV 15	6852	27370	37475	2.5	14.44	Si
1736	4X/2Y Ø8/14.4	-1946	-12146	SLV 5	7818	30516	35184	2.5	15.68	-1896	-9202	SLV 15	6838	27370	37460	2.5	14.44	Si
1765	4X/2Y Ø8/14.4	-1946	-12038	SLV 5	7804	30516	35170	2.5	15.68	-1896	-9094	SLV 15	6823	27370	37445	2.5	14.44	Si
1794	4X/2Y Ø8/14.4	-1946	-11929	SLV 5	7791	30516	35156	2.5	15.68	-1896	-8985	SLV 15	6809	27370	37430	2.5	14.44	Si
1823	4X/2Y Ø8/14.4	-1946	-11820	SLV 5	7777	30516	35142	2.5	15.68	-1896	-8876	SLV 15	6794	27370	37414	2.5	14.44	Si
1852	4X/2Y Ø8/10	-1946	-11711	SLV 5	7763	37907	38955	2.15	19.48	-1896	-8767	SLV 15	6779	37953	38506	2.4	20.02	Si
1881	4X/2Y Ø8/10	-1946	-11603	SLV 5	7750	37907	38939	2.15	19.48	-1896	-8659	SLV 15	6765	37953	38490	2.4	20.02	Si
1910	4X/2Y Ø8/10	-1946	-11496	SLV 5	7737	37907	38924	2.15	19.48	-1896	-8552	SLV 15	6751	37953	38475	2.4	20.02	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-294	-110261	SLD 5	19266	55098	50429	2.5	171.44	-1897	-106173	SLD 13	19310	48385	55356	2.5	25.51	Si
-111	5X/2Y Ø8/10	-294	-110131	SLD 5	19266	55098	50429	2.5	171.44	-1897	-106043	SLD 13	19310	48385	55356	2.5	25.51	Si
-81	5X/2Y Ø8/10	-294	-109998	SLD 5	19266	55098	50429	2.5	171.44	-1897	-105911	SLD 13	19310	48385	55356	2.5	25.51	Si
-52	5X/2Y Ø8/10	-294	-109866	SLD 5	19266	55098	50429	2.5	171.44	-1897	-105779	SLD 13	19310	48385	55356	2.5	25.51	Si
-22	5X/2Y Ø8/15	-294	-109734	SLD 5	19266	36732	50429	2.5	124.88	-1897	-105646	SLD 13	19310	32257	55356	2.5	17	Si
7	5X/2Y Ø8/15	-294	-109601	SLD 5	19266	36732	50429	2.5	124.88	-1897	-105514	SLD 13	19310	32257	55356	2.5	17	Si
36	5X/2Y Ø8/15	-294	-109469	SLD 5	19266	36732	50429	2.5	124.88	-1897	-105382	SLD 13	19310	32257	55356	2.5	17	Si
66	5X/2Y Ø8/15	-294	-109336	SLD 5	19266	36732	50429	2.5	124.88	-1897	-105249	SLD 13	19310	32257	55356	2.5	17	Si
95	5X/2Y Ø8/15	-294	-109204	SLD 5	19266	36732	50429	2.5	124.88	-1897	-105117	SLD 13	19310	32257	55356	2.5	17	Si
125	5X/2Y Ø8/15	-294	-109070	SLD 5	19266	36732	50429	2.5	124.88	-1897	-104983	SLD 13	19310	32257	55356	2.5	17	Si
154	5X/2Y Ø8/15	-294	-108939	SLD 5	19266	36732	50429	2.5	124.88	-1897	-104852	SLD 13	19310	32257	55356	2.5	17	Si
184	5X/2Y Ø8/15	-294	-108807	SLD 5	19266	36732	50429	2.5	124.88	-1897	-104720	SLD 13	19310	32257	55356	2.5	17	Si
213	5X/2Y Ø8/15	-294	-108677	SLD 5	19266	36732	50429	2.5	124.88	-1897	-104589	SLD 13	19310	32257	55356	2.5	17	Si
242	5X/2Y Ø8/10	-294	-108542	SLD 5	19266	55098	50429	2.5	171.44	-1897	-104455	SLD 13	19310	48385	55356	2.5	25.51	Si
272	5X/2Y Ø8/10	-294	-108410	SLD 5	19266	55098	50429	2.5	171.44	-1897	-104323	SLD 13	19310	48385	55356	2.5	25.51	Si
301	5X/2Y Ø8/10	-294	-108278	SLD 5	19266	55098	50429	2.5	171.44	-1897	-104190	SLD 13	19310	48385	55356	2.5	25.51	Si
331	5X/2Y Ø8/10	-294	-108145	SLD 5	19266	55098	50429	2.5	171.44	-1897	-104058	SLD 13	19310	48385	55356	2.5	25.51	Si
360	5X/2Y Ø8/10	-294	-108015	SLD 5	19266	55098	50429	2.5	171.44	-1897	-103928	SLD 13	19310	48385	55356	2.5	25.51	Si
380	5X/2Y Ø8/10	-782	-89290	SLD 5	18683	55098	50429	2.5	64.49	-552	-84380	SLD 15	17999	48385	55356	2.5	87.72	Si
409	5X/2Y Ø8/10	-782	-89159	SLD 5	18667	55098	50429	2.5	64.49	-552	-84249	SLD 15	17981	48385	55356	2.5	87.72	Si
438	5X/2Y Ø8/10	-782	-89029	SLD 5	18651	55098	50429	2.5	64.49	-552	-84119	SLD 15	17963	48385	55356	2.5	87.72	Si
467	5X/2Y Ø8/14.4	-782	-88898	SLD 5	18634	38145	50429	2.5	48.78	-552	-83988	SLD 15	17945	33497	55356	2.5	60.73	Si
496	5X/2Y Ø8/14.4	-782	-88768	SLD 5	18618	38145	50429	2.5	48.78	-552	-83858	SLD 15	17927	33497	55356	2.5	60.73	Si
525	5X/2Y Ø8/14.4	-782	-88637	SLD 5	18602	38145	50429	2.5	48.78	-552	-83727	SLD 15	17910	33497	55356	2.5	60.73	Si
554	5X/2Y Ø8/14.4	-782	-88507	SLD 5	18586	38145	50429	2.5	48.78	-552	-83597	SLD 15	17892	33497	55356	2.5	60.73	Si
583	5X/2Y Ø8/14.4	-782	-88376	SLD 5	18569	38145	50429	2.5	48.78	-552	-83466	SLD 15	17874	33497	55356	2.5	60.73	Si
612	5X/2Y Ø8/10	-782	-88246	SLD 5	18553	55098	50429	2.5	64.49	-552	-83336	SLD 15	17856	48385	55356	2.5	87.72	Si
641	5X/2Y Ø8/10	-782	-88115	SLD 5	18537	55098	50429	2.5	64.49	-552	-83205	SLD 15	17838	48385	55356	2.5	87.72	Si
670	5X/2Y Ø8/10	-782	-87987	SLD 5	18521	55098	50429	2.5	64.49	-552	-83077	SLD 15	17821	48385	55356	2.5	87.72	Si
690	5X/2Y Ø8/10	-742	-71166	SLD 5	16427	55098	49509	2.5	66.68	-889	-67262	SLD 15	15659	48385	53794	2.5	54.43	Si
719	5X/2Y Ø8/10	-742	-71036	SLD 5	16410	55098	49492	2.5	66.66	-889	-67132	SLD 15	15641	48385	53776	2.5	54.43	Si
748	5X/2Y Ø8/10	-742	-70905	SLD 5	16394	55098	49476	2.5	66.64	-889	-67001	SLD 15	15624	48385	53758	2.5	54.43	Si
777	5X/2Y Ø8/14.4	-742	-70775	SLD 5	16378	38145	49459	2.5	51.38	-889	-66871	SLD 15	15606	33497	53739	2.5	37.68	Si
806	5X/2Y Ø8/14.4	-742	-70644	SLD 5	16362	38145	49442	2.5	51.38	-889	-66740	SLD 15	15588	33497	53721	2.5	37.68	Si
835	5X/2Y Ø8/14.4	-742	-70514	SLD 5	16345	38145	49425	2.5	51.38	-889	-66610	SLD 15	15570	33497	53702	2.5	37.68	Si
864	5X/2Y Ø8/14.4	-742	-70383	SLD 5	16329	38145	49408	2.5	51.38	-889	-66479	SLD 15	15552	33497	53684	2.5	37.68	Si
893	5X/2Y Ø8/14.4	-742	-70253	SLD 5	16313	38145	49392	2.5	51.38	-889	-66349	SLD 15	15534	33497	53665	2.5	37.68	Si
922	5X/2Y Ø8/10	-742	-70122	SLD 5	16297	55098	49375	2.5	66.5	-889	-66218	SLD 15	15517	48385	53647	2.5	54.43	Si
951	5X/2Y Ø8/10	-742	-69992	SLD 5	16280	55098	49358	2.5	66.48	-889	-66088	SLD 15	15499	48385	53628	2.5	54.43	Si
980	5X/2Y Ø8/10	-742	-69864	SLD 5	16264	55098	49341	2.5	66.46	-889	-65960	SLD 15	15481	48385	53610	2.5	54.43	Si
1000	4X/2Y Ø8/10	-742	-51174	SLD 5	12677	44078	40210	2.5	54.18	-1466	-48203	SLD 15	12064	39534	42866	2.5	26.97	Si
1029	4X/2Y Ø8/10	-742	-51065	SLD 5	12663	44078	40196	2.5	54.16	-1466	-48094	SLD 15	12049	39534	42851	2.5	26.97	Si
1058	4X/2Y Ø8/10	-742	-50957	SLD 5	12649	44078	40182	2.5	54.14	-1466	-47985	SLD 15	12035	39534	42836	2.5	26.97	Si
1087	4X/2Y Ø8/14.4	-742	-50848	SLD 5	12636	30516	40168	2.5	41.12	-1466	-47877	SLD 15	12020	27370	42821	2.5	18.67	Si
1116	4X/2Y Ø8/14.4	-742	-50739	SLD 5	12622	30516	40154	2.5	41.12	-1466	-47768	SLD 15	12005	27370	42806	2.5	18.67	Si
1145	4X/2Y Ø8/14.4	-742	-50630	SLD 5	12609	30516	40140	2.5	41.12	-1466	-47659	SLD 15	11991	27370	42790	2.5	18.67	Si
1174	4X/2Y Ø8/14.4	-742	-50522	SLD 5	12595	30516	40126	2.5	41.12	-1466	-47550	SLD 15	11976	27370	42775	2.5	18.67	Si
1203	4X/2Y Ø8/14.4	-742	-50413	SLD 5	12582	30516	40112	2.5	41.12	-1466	-47442	SLD 15	11962	27370	42760	2.5	18.67	Si
1232	4X/2Y Ø8/10	-742	-50304	SLD 5	12568	44078	40098	2.5	54.03	-1466	-47333	SLD 15	11947	39534	42745	2.5	26.97	Si
1261	4X/2Y Ø8/10	-742	-50195	SLD 5	12555	44078	40084	2.5	54.01	-1466	-47224	SLD 15	11933	39534	42730	2.5	26.97	Si
1290	4X/2Y Ø8/10	-742	-50089	SLD 5	12541	44078	40071	2.5	53.99	-1466	-47117	SLD 15	11918	39534	42715	2.5	26.97	Si
1310	4X/2Y Ø8/10	-612	-31406	SLD 5	10215	44078	37664	2.5	61.53	-1611	-29344	SLD 15	9537	39534	40252	2.5	24.53	Si
1339	4X/2Y Ø8/10	-612	-31297	SLD 5	10202	44078	37650	2.5	61.51	-1611	-29235	SLD 15	9522	39534	40237	2.5	24.53	Si
1368	4X/2Y Ø8/10	-612	-31188	SLD 5	10188	44078	37636	2.5	61.49	-1611	-29126	SLD 15	9507	39534	40221	2.5	24.53	Si
1397	4X/2Y Ø8/14.4	-612	-31079	SLD 5	10175	30516	37622	2.5	49.85	-1611	-29017	SLD 15	9493	27370	40206	2.5	16.98	Si
1426	4X/2Y Ø8/14.4	-612	-30971	SLD 5	10161	30516	37608	2.5	49.85	-1611	-28909	SLD 15	9478	27370	40191	2.5	16.98	Si
1455	4X/2Y Ø8/14.4	-612	-30862	SLD 5	10148	30516	37594	2.5	49.85	-1611	-28800	SLD 15	9464	27370	40176	2.5	16.98	Si
1484	4X/2Y Ø8/14.4	-612	-30753	SLD 5	10134	30516	37580	2.5	49.85	-1611	-28691	SLD 15	9449	27370	40161	2.5	16.98	Si
1513	4X/2Y Ø8/14.4	-612	-30644	SLD 5	10121	30516	37566	2.5	49.85	-1611	-28582	SLD 15	9435	27370	40146	2.5	16.98	Si
1542	4X/2Y Ø8/10	-612	-30536	SLD 5	10107	44078	37552	2.5	61.35	-1611	-28474	SLD 15	9420	39534	40131	2.5	24.53	Si
1571	4X/2Y Ø8/10	-612	-30427	SLD 5	10094	44078	37538	2.5	61.33	-1611	-28365	SLD 15	9405	39534	40116	2.5	24.53	Si
1600	4X/2Y Ø8/10	-612	-30320	SLD 5	10080	44078	37525	2.5	61.3	-1611	-28258	SLD 15	9391	39534	40101	2.5	24.53	Si
1620	4X/2Y Ø8/10	-1461	-11547	SLD 5	7743	44078	35107	2.5	24.03	-1055	-10380	SLD 15	6996	39534	37623	2.5	35.66	Si
1649	4X/2Y Ø8/10	-1461	-11439	SLD 5	7729	44078	35093	2.5	24.02	-1055	-10272	SLD 15	6981	39534	37608	2.5	35.65	Si
1678	4X/2Y Ø8/10	-1461	-11330	SLD 5	7716	44078	35079	2.5	24.01	-1055	-10163	SLD 15	6966	39534	37593	2.5	35.63	Si
1707	4X/2Y Ø8/14.4	-1461	-11221	SLD 5	7702	30516	35065	2.5	20.89	-1055	-10054	SLD 15	6952	27370	37578	2.5	25.94	Si
1736	4X/2Y Ø8/14.4	-1461	-11112	SLD 5	7689	30516	35051	2.5	20.89	-1055	-9945	SLD 15	6937	27370	37563	2.5	25.94	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1765	4X/2Y Ø8/14.4	-1461	-11004	SLD 5	7675	30516	35037	2.5	20.89	-1055	-9837	SLD 15	6923	27370	37548	2.5	25.94	Si
1794	4X/2Y Ø8/14.4	-1461	-10895	SLD 5	7662	30516	35023	2.5	20.89	-1055	-9728	SLD 15	6908	27370	37533	2.5	25.94	Si
1823	4X/2Y Ø8/14.4	-1461	-10786	SLD 5	7648	30516	35009	2.5	20.89	-1055	-9619	SLD 15	6894	27370	37517	2.5	25.94	Si
1852	4X/2Y Ø8/10	-1461	-10677	SLD 5	7635	44078	34995	2.5	23.95	-1055	-9510	SLD 15	6879	39534	37502	2.5	35.55	Si
1881	4X/2Y Ø8/10	-1461	-10569	SLD 5	7621	44078	34981	2.5	23.94	-1055	-9402	SLD 15	6864	39534	37487	2.5	35.53	Si
1910	4X/2Y Ø8/10	-1461	-10462	SLD 5	7608	44078	34967	2.5	23.93	-1055	-9295	SLD 15	6850	39534	37472	2.5	35.52	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	-199743	34271	-115923	SLE RA 7	-67.8	-199743	34271	-115923	SLE RA 7	-974.4	Si
-111	-187305	29221	-115793	SLE RA 7	-66.6	-187305	29221	-115793	SLE RA 7	-961.7	Si
-81	-174652	24083	-115661	SLE RA 7	-65.5	-174652	24083	-115661	SLE RA 7	-948.8	Si
-52	-161998	18945	-115528	SLE RA 7	-64.4	-161998	18945	-115528	SLE RA 7	-936	Si
-22	-149345	13807	-115396	SLE RA 7	-63.2	-87052	6142	-122235	SLE RA 13	-928.7	Si
7	-85850	2529	-122102	SLE RA 13	-62.4	-85850	2529	-122102	SLE RA 13	-923.9	Si
36	-84647	-1084	-121970	SLE RA 13	-62.1	-84647	-1084	-121970	SLE RA 13	-921	Si
66	-83444	-4698	-121838	SLE RA 13	-62.4	-83444	-4698	-121838	SLE RA 13	-922.5	Si
95	-82242	-8311	-121705	SLE RA 13	-62.6	-82242	-8311	-121705	SLE RA 13	-924.1	Si
125	-81027	-11961	-121572	SLE RA 13	-62.8	-81027	-11961	-121572	SLE RA 13	-925.6	Si
154	-79837	-15538	-121441	SLE RA 13	-63	-79837	-15538	-121441	SLE RA 13	-927.2	Si
184	-95175	-14177	-121427	SLE RA 12	-63.6	-95175	-14177	-121427	SLE RA 12	-934.8	Si
213	-109213	-15275	-121296	SLE RA 12	-64.3	-109213	-15275	-121296	SLE RA 12	-943.1	Si
242	-123679	-16406	-121162	SLE RA 12	-65	-123679	-16406	-121162	SLE RA 12	-951.5	Si
272	-137931	-17521	-121030	SLE RA 12	-65.7	-137931	-17521	-121030	SLE RA 12	-959.9	Si
301	-152182	-18636	-120897	SLE RA 12	-66.4	-152182	-18636	-120897	SLE RA 12	-968.3	Si
331	-166434	-19750	-120765	SLE RA 12	-67.2	-166434	-19750	-120765	SLE RA 12	-976.6	Si
360	-180444	-20846	-120635	SLE RA 12	-67.9	-180444	-20846	-120635	SLE RA 12	-984.9	Si
380	227105	68249	-99696	SLE RA 13	-64.4	227105	68249	-99696	SLE RA 13	-904.6	Si
409	213788	55378	-99565	SLE RA 13	-62.6	213788	55378	-99565	SLE RA 13	-884.5	Si
438	200471	42507	-99435	SLE RA 13	-60.7	200471	42507	-99435	SLE RA 13	-864.4	Si
467	187155	29637	-99304	SLE RA 13	-58.8	187155	29637	-99304	SLE RA 13	-844.3	Si
496	173838	16766	-99174	SLE RA 13	-57	173838	16766	-99174	SLE RA 13	-824.2	Si
525	160521	3895	-99043	SLE RA 13	-55.1	160521	3895	-99043	SLE RA 13	-804.1	Si
554	147204	-8976	-98913	SLE RA 13	-54.9	147204	-8976	-98913	SLE RA 13	-799.9	Si
583	133888	-21847	-98782	SLE RA 13	-55.3	133888	-21847	-98782	SLE RA 13	-802.6	Si
612	120571	-34717	-98652	SLE RA 13	-55.8	120571	-34717	-98652	SLE RA 13	-805.3	Si
641	107254	-47588	-98521	SLE RA 13	-56.3	107254	-47588	-98521	SLE RA 13	-807.9	Si
670	89205	-62326	-98508	SLE RA 12	-56.8	94167	-60237	-98393	SLE RA 13	-810.5	Si
690	-91495	64999	-79751	SLE RA 12	-48.2	-91495	64999	-79751	SLE RA 12	-680.1	Si
719	-95359	51853	-79621	SLE RA 12	-47.1	-95359	51853	-79621	SLE RA 12	-669.8	Si
748	-99223	38708	-79490	SLE RA 12	-46.1	-99223	38708	-79490	SLE RA 12	-659.5	Si
777	-103087	25563	-79360	SLE RA 12	-45	-103087	25563	-79360	SLE RA 12	-649.2	Si
806	-106951	12417	-79229	SLE RA 12	-43.9	-106951	12417	-79229	SLE RA 12	-639	Si
835	-110816	-728	-79099	SLE RA 12	-43	-110816	-728	-79099	SLE RA 12	-629.9	Si
864	-114680	-13873	-78968	SLE RA 12	-44.3	-114680	-13873	-78968	SLE RA 12	-642.9	Si
893	-118544	-27019	-78838	SLE RA 12	-45.6	-118544	-27019	-78838	SLE RA 12	-655.8	Si
922	-122408	-40164	-78707	SLE RA 12	-46.9	-122408	-40164	-78707	SLE RA 12	-668.8	Si
951	-126272	-53309	-78577	SLE RA 12	-48.2	-126272	-53309	-78577	SLE RA 12	-680.4	Si
980	-130070	-66228	-78449	SLE RA 12	-46.9	-130070	-66228	-78449	SLE RA 12	-658.9	Si
1000	178256	71124	-57684	SLE RA 12	-51.5	178256	71124	-57684	SLE RA 12	-694.5	Si
1029	145710	56155	-57575	SLE RA 12	-48.6	145710	56155	-57575	SLE RA 12	-664.5	Si
1058	113164	41185	-57466	SLE RA 12	-45.3	113164	41185	-57466	SLE RA 12	-630.6	Si
1087	80618	26216	-57357	SLE RA 12	-41.4	80618	26216	-57357	SLE RA 12	-587.3	Si
1116	48072	11247	-57249	SLE RA 12	-37.4	48072	11247	-57249	SLE RA 12	-544	Si
1145	15526	-3722	-57140	SLE RA 12	-34.3	15526	-3722	-57140	SLE RA 12	-508.8	Si
1174	-17020	-18692	-57031	SLE RA 12	-36	-17020	-18692	-57031	SLE RA 12	-525	Si
1203	-49567	-33661	-56922	SLE RA 12	-39.8	-49567	-33661	-56922	SLE RA 12	-566.4	Si
1232	-82113	-48630	-56814	SLE RA 12	-43.6	-82113	-48630	-56814	SLE RA 12	-607.8	Si
1261	-114659	-63600	-56705	SLE RA 12	-47.5	-114659	-63600	-56705	SLE RA 12	-649.2	Si
1290	-146644	-78311	-56598	SLE RA 12	-51.2	-146644	-78311	-56598	SLE RA 12	-689.8	Si
1310	161465	66862	-35813	SLE RA 12	-39	161465	66862	-35813	SLE RA 12	-510.5	Si
1339	128256	56251	-35704	SLE RA 12	-35.5	128256	56251	-35704	SLE RA 12	-471.4	Si
1368	95048	45640	-35595	SLE RA 12	-32	95048	45640	-35595	SLE RA 12	-432.3	Si
1397	61840	35029	-35487	SLE RA 12	-28.5	61840	35029	-35487	SLE RA 12	-393.1	Si
1426	28632	24418	-35378	SLE RA 12	-25	28632	24418	-35378	SLE RA 12	-354	Si
1455	-5392	14053	-35225	SLE RA 13	-22.2	-5392	14053	-35225	SLE RA 13	-322.8	Si
1484	-38204	3729	-35117	SLE RA 13	-23.2	-38204	3729	-35117	SLE RA 13	-337.4	Si
1513	-70992	-7414	-35052	SLE RA 12	-25.8	-70992	-7414	-35052	SLE RA 12	-367.3	Si
1542	-104200	-18025	-34943	SLE RA 12	-29.2	-104200	-18025	-34943	SLE RA 12	-404.5	Si
1571	-137408	-28636	-34834	SLE RA 12	-32.6	-137408	-28636	-34834	SLE RA 12	-441.8	Si
1600	-170044	-39064	-34727	SLE RA 12	-35.9	-170044	-39064	-34727	SLE RA 12	-478.4	Si
1620	138922	142168	-13816	SLE RA 12	-42.1	138922	142168	-13816	SLE RA 12	-458.3	Si
1649	122155	100507	-13707	SLE RA 12	-27.4	122155	100507	-13707	SLE RA 12	-324.3	Si
1678	105389	58845	-13598	SLE RA 12	-21.5	105389	58845	-13598	SLE RA 12	-265.3	Si
1707	88622	17183	-13490	SLE RA 12	-15.7	88622	17183	-13490	SLE RA 12	-206.2	Si
1736	71856	-24479	-13381	SLE RA 12	-15.3	71856	-24479	-13381	SLE RA 12	-199.5	Si
1765	55090	-66141	-13272	SLE RA 12	-18.7	55090	-66141	-13272	SLE RA 12	-229.6	Si
1794	38323	-107802	-13163	SLE RA 12	-22.1	38323	-107802	-13163	SLE RA 12	-259.6	Si
1823	21557	-149464	-13055	SLE RA 12	-25.5	21557	-149464	-13055	SLE RA 12	-289.7	Si
1852	4791	-191126	-12946	SLE RA 12	-36.8	4791	-191126	-12946	SLE RA 12	386.7	Si
1881	-11976	-232788	-12837	SLE RA 12	-46	-11976	-232788	-12837	SLE RA 12	613.9	Si
1910	-28453	-273731	-12730	SLE RA 12	-56.4	-28453	-273731	-12730	SLE RA 12	868.7	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	51557	-5630	-106911	SLE QP 2	-53.8	Si
-111	39880	-6326	-106781	SLE QP 2	-53.3	Si
-81	28002	-7033	-106648	SLE QP 2	-52.7	Si
-52	16123	-7741	-106516	SLE QP 2	-52.2	Si
-22	4244	-8448	-106384	SLE QP 2	-51.6	Si
7	-7634	-9156	-106251	SLE QP 2	-51.8	Si
36	-19513	-9863	-106119	SLE QP 2	-52.3	Si
66	-31391	-10571	-105987	SLE QP 2	-52.9	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
95	-43270	-11278	-105854	SLE QP 2	-53.4	Si
125	-55267	-11993	-105720	SLE QP 2	-54	Si
154	-67027	-12693	-105589	SLE QP 2	-54.6	Si
184	-78906	-13400	-105457	SLE QP 2	-55.1	Si
213	-90606	-14097	-105327	SLE QP 2	-55.7	Si
242	-102663	-14815	-105192	SLE QP 2	-56.3	Si
272	-114542	-15523	-105060	SLE QP 2	-56.8	Si
301	-126420	-16230	-104928	SLE QP 2	-57.4	Si
331	-138299	-16938	-104795	SLE QP 2	-58	Si
360	-149976	-17633	-104665	SLE QP 2	-58.5	Si
380	116199	74970	-86457	SLE QP 2	-53.5	Si
409	111241	61639	-86326	SLE QP 2	-52	Si
438	106284	48307	-86196	SLE QP 2	-50.5	Si
467	101326	34976	-86065	SLE QP 2	-49	Si
496	96368	21645	-85935	SLE QP 2	-47.4	Si
525	91411	8314	-85804	SLE QP 2	-45.9	Si
554	86453	-5018	-85674	SLE QP 2	-45.3	Si
583	81495	-18349	-85543	SLE QP 2	-46.2	Si
612	76538	-31680	-85413	SLE QP 2	-47.2	Si
641	71580	-45012	-85282	SLE QP 2	-48.1	Si
670	66708	-58113	-85154	SLE QP 2	-49	Si
690	-67785	59419	-68900	SLE QP 2	-41.4	Si
719	-71797	47486	-68770	SLE QP 2	-40.5	Si
748	-75810	35552	-68639	SLE QP 2	-39.5	Si
777	-79823	23619	-68509	SLE QP 2	-38.5	Si
806	-83835	11686	-68378	SLE QP 2	-37.6	Si
835	-87848	-247	-68248	SLE QP 2	-36.7	Si
864	-91861	-12180	-68117	SLE QP 2	-37.9	Si
893	-95874	-24113	-67987	SLE QP 2	-39.1	Si
922	-99886	-36046	-67856	SLE QP 2	-40.3	Si
951	-103899	-47979	-67726	SLE QP 2	-41.5	Si
980	-107842	-59706	-67598	SLE QP 2	-40.4	Si
1000	145404	62260	-49449	SLE QP 2	-43.8	Si
1029	118842	49205	-49340	SLE QP 2	-41.3	Si
1058	92281	36150	-49232	SLE QP 2	-38.6	Si
1087	65720	23095	-49123	SLE QP 2	-35.3	Si
1116	39158	10040	-49014	SLE QP 2	-31.9	Si
1145	12597	-3016	-48905	SLE QP 2	-29.3	Si
1174	-13964	-16071	-48797	SLE QP 2	-30.8	Si
1203	-40526	-29126	-48688	SLE QP 2	-34	Si
1232	-67087	-42181	-48579	SLE QP 2	-37.2	Si
1261	-93648	-55236	-48470	SLE QP 2	-40.4	Si
1290	-119752	-68066	-48363	SLE QP 2	-43.5	Si
1310	133539	60200	-30207	SLE QP 2	-33.2	Si
1339	106175	50224	-30098	SLE QP 2	-30.1	Si
1368	78811	40248	-29990	SLE QP 2	-27.1	Si
1397	51447	30272	-29881	SLE QP 2	-24	Si
1426	24083	20296	-29772	SLE QP 2	-21	Si
1455	-3281	10320	-29663	SLE QP 2	-18.4	Si
1484	-30645	344	-29555	SLE QP 2	-19.1	Si
1513	-58009	-9632	-29446	SLE QP 2	-22	Si
1542	-85373	-19608	-29337	SLE QP 2	-24.9	Si
1571	-112737	-29584	-29228	SLE QP 2	-27.8	Si
1600	-139630	-39388	-29122	SLE QP 2	-30.6	Si
1620	114847	116577	-10867	SLE QP 2	-34.9	Si
1649	101163	83430	-10758	SLE QP 2	-22.3	Si
1678	87479	50283	-10650	SLE QP 2	-17.7	Si
1707	73795	17136	-10541	SLE QP 2	-13	Si
1736	60111	-16011	-10432	SLE QP 2	-11.9	Si
1765	46427	-49158	-10323	SLE QP 2	-14.5	Si
1794	32742	-82305	-10215	SLE QP 2	-17.2	Si
1823	19058	-115452	-10106	SLE QP 2	-19.9	Si
1852	5374	-148599	-9997	SLE QP 2	-22.5	Si
1881	-8310	-181746	-9888	SLE QP 2	-35.8	Si
1910	-21758	-214322	-9781	SLE QP 2	-44.1	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

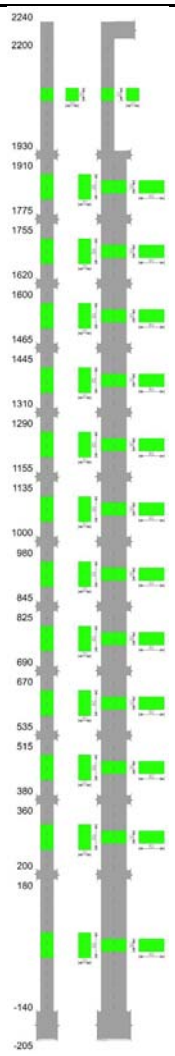
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.

Pilastro 22

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	180	R 30x60	No	No	No	No		C30/37	B450C	
200	360	R 30x60	No	No	No	No		C30/37	B450C	
380	515	R 30x60	No	No	No	No		C30/37	B450C	
535	670	R 30x60	No	No	No	No		C30/37	B450C	
690	825	R 30x60	No	No	No	No		C30/37	B450C	
845	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1135	R 30x60	No	No	No	No		C30/37	B450C	
1155	1290	R 30x60	No	No	No	No		C30/37	B450C	
1310	1445	R 30x60	No	No	No	No		C30/37	B450C	
1465	1600	R 30x60	No	No	No	No		C30/37	B450C	
1620	1755	R 30x60	No	No	No	No		C30/37	B450C	
1775	1910	R 30x60	No	No	No	No		C30/37	B450C	
1930	2200	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.5	-9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.6	-9.67	-24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.67	-24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.67	24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.67	24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.9	-12.85	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.9	0	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.9	12.85	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.9	-12.85	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.9	0	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.9	12.85	1.6	2.011	1310	1620	R 30x60	B450C
p.7	-9.67	-24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.7	9.67	-24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.8	9.67	24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.8	-9.67	24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.7	-9.9	-12.85	1.6	2.011	1620	1910	R 30x60	B450C
p.7	9.9	-12.85	1.6	2.011	1620	1910	R 30x60	B450C
p.10	-9.9	0	1.6	2.011	1620	1910	R 30x60	B450C
p.10	-9.9	12.85	1.6	2.011	1620	1910	R 30x60	B450C
p.10	9.9	0	1.6	2.011	1620	1910	R 30x60	B450C
p.10	9.9	12.85	1.6	2.011	1620	1910	R 30x60	B450C
p.15	-9.67	-24.67	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.15	9.67	-24.67	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.15	9.67	-5.33	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.15	-9.67	-5.33	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.16	-9.9	-15	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.16	9.9	-15	1.6	2.011	1930.1	2240	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	493693	248317	-124158	1217748	612501	SLU 52	2.467	Si
-111	20.11	2.2	0	1,2	413902	247982	-123991	1044556	625829	SLU 52	2.524	Si
-82	20.11	1.1	0	2	332714	247642	-123821	856508	637506	SLU 52	2.574	Si
-53	20.11	1.1	0	2	248166	248166	-124083	647491	647491	SLU 51	2.609	Si
-24	20.11	1.1	0	2	247826	-247826	-123913	647491	-647491	SLU 51	2.613	Si
5	20.11	1.1	0	2	247485	-247485	-123743	647491	-647491	SLU 51	2.616	Si
35	20.11	1.1	0	2	-247145	-247145	-123572	-647491	-647491	SLU 51	2.62	Si
64	20.11	1.1	0	2	-246805	-246805	-123402	-647491	-647491	SLU 51	2.623	Si
93	20.11	1.1	0	2	-246464	-246464	-123232	-647491	-647491	SLU 51	2.627	Si
122	20.11	1.1	0	2	-246124	-246124	-123062	-647491	-647491	SLU 51	2.631	Si
151	20.11	1.1	0	2	-316783	-244919	-122460	-826687	-639148	SLU 52	2.61	Si
180	20.11	1.1	0	2	-396575	-244585	-122292	-1017821	-627734	SLU 52	2.567	Si
200	20.11	1.1	0	2	-233413	233413	-116707	-647491	647491	SLU 51	2.774	Si
232	20.11	1.1	0	2	-233045	233045	-116522	-647491	647491	SLU 51	2.778	Si
264	20.11	1.1	0	2	-232671	232671	-116335	-647491	647491	SLU 51	2.783	Si
296	20.11	1.1	0	2	232296	232296	-116148	647491	647491	SLU 51	2.787	Si
328	20.11	1.1	0	2	231922	231922	-115961	647491	647491	SLU 51	2.792	Si
360	20.11	1.1	0	2	231553	231553	-115777	647491	647491	SLU 51	2.796	Si
380	20.11	2.2	0	2,3	211952	-211952	-105976	647491	-647491	SLU 51	3.055	Si
414	20.11	2.2	0	2,3	211563	-211563	-105781	647491	-647491	SLU 51	3.061	Si
448	20.11	1.1	0	3	211168	-211168	-105584	647491	-647491	SLU 51	3.066	Si
481	20.11	1.1	0	3	210773	-210773	-105387	647491	-647491	SLU 51	3.072	Si
515	20.11	1.1	0	3	-210378	-210378	-105189	-647491	-647491	SLU 51	3.078	Si
535	20.11	1.1	0	3	226337	197649	-98824	737077	643653	SLU 51	3.257	Si
569	20.11	1.1	0	3	240138	197254	-98627	781148	641650	SLU 51	3.253	Si
603	20.11	1.1	0	3	253939	196859	-98430	824618	639262	SLU 51	3.247	Si
636	20.11	1.1	0	3	267740	196464	-98232	867931	636877	SLU 51	3.242	Si
670	20.11	1.1	0	3	281337	206298	-98038	903424	662461	SLU 51	3.211	Si
690	20.11	2.2	0	3,4	-154930	-169144	-77465	-638396	-696966	SLU 51	4.121	Si
724	20.11	2.2	0	3,4	-177343	-167512	-77268	-728944	-688537	SLU 51	4.11	Si
758	20.11	1.1	0	4	-220603	-165880	-77070	-898132	-675341	SLU 51	4.071	Si
791	20.11	1.1	0	4	-263864	-164248	-76873	-1060390	-660065	SLU 51	4.019	Si
825	20.11	1.1	0	4	-307124	-162617	-76675	-1215708	-643695	SLU 51	3.958	Si
845	20.11	1.1	0	4	140320	140320	-70160	647491	647491	SLU 51	4.614	Si
879	20.11	1.1	0	4	139926	139926	-69963	647491	647491	SLU 51	4.627	Si
913	20.11	1.1	0	4	139531	139531	-69765	647491	647491	SLU 51	4.64	Si
946	20.11	1.1	0	4	139136	139136	-69568	647491	647491	SLU 51	4.654	Si
980	20.11	1.1	0	4	138747	138747	-69373	647491	647491	SLU 51	4.667	Si
1000	20.11	2.2	0	4,5	169011	-118155	-59077	907852	-634672	SLU 51	5.372	Si
1034	20.11	2.2	0	4,5	117760	-117760	-58880	647491	-647491	SLU 51	5.498	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1068	20.11	1.1	0	5	-117365	-117365	-58682	-647491	-647491	SLU 51	5.517	Si
1101	20.11	1.1	0	5	-116970	-116970	-58485	-647491	-647491	SLU 51	5.536	Si
1135	20.11	1.1	0	5	-200224	-131302	-58288	-1052473	-690187	SLU 51	5.256	Si
1155	20.11	1.1	0	5	121809	117121	-51344	745735	717033	SLU 51	6.122	Si
1189	20.11	1.1	0	5	102293	116864	-51147	633222	723419	SLU 51	6.19	Si
1223	20.11	1.1	0	5	101899	116607	-50949	633024	724400	SLU 51	6.212	Si
1256	20.11	1.1	0	5	101504	116351	-50752	632825	725388	SLU 51	6.235	Si
1290	20.11	1.1	0	5	101115	116097	-50557	632628	726368	SLU 51	6.257	Si
1310	20.11	2.2	0	5,6	132520	-81465	-40085	1033232	-635165	SLU 51	7.797	Si
1344	20.11	2.2	0	5,6	79775	-104043	-39887	616864	-804520	SLU 51	7.733	Si
1378	20.11	1.1	0	6	-79380	-126621	-39690	-588550	-938810	SLU 51	7.414	Si
1411	20.11	1.1	0	6	-156461	-149198	-39492	-1063331	-1013973	SLU 51	6.796	Si
1445	20.11	1.1	0	6	-252788	-171776	-39295	-1522433	-1034533	SLU 51	6.023	Si
1465	20.11	1.1	0	6	92819	85287	-31990	874414	803460	SLU 52	9.421	Si
1499	20.11	1.1	0	6	70154	92445	-31793	662045	872408	SLU 52	9.437	Si
1533	20.11	1.1	0	6	63497	99773	-31748	590797	928327	SLU 51	9.304	Si
1566	20.11	1.1	0	6	63102	107980	-31551	577829	988783	SLU 51	9.157	Si
1600	20.11	1.1	0	6	62713	116066	-31357	565161	1045967	SLU 51	9.012	Si
1620	20.11	2.2	0	6,7,8,10	122275	-93956	-20773	1401709	-1077078	SLU 51	11.464	Si
1654	20.11	2.2	0	6,7,8,10	49971	-102457	-20575	614078	-1259076	SLU 51	12.289	Si
1688	20.11	1.1	0	7,8,10	-40755	-110958	-20378	-489749	-1333366	SLU 51	12.017	Si
1721	20.11	1.1	0	7,8,10	-94638	-119459	-20180	-1037587	-1309725	SLU 51	10.964	Si
1755	20.11	1.1	0	7,8,10	-165871	-127834	-19986	-1574648	-1213560	SLU 51	9.493	Si
1775	20.11	1.1	0	7,8,10	181872	117716	-13058	1836161	1188450	SLU 52	10.096	Si
1809	20.11	1.1	0	7,8,10	165815	113438	-12861	1780372	1217995	SLU 52	10.737	Si
1843	20.11	1.1	0	7,8,10	149758	109160	-12663	1715027	1250098	SLU 52	11.452	Si
1876	20.11	1.1	0	7,8,10	132689	105358	-12488	1619708	1286079	SLU 51	12.207	Si
1910	39.29	3.1	0	7,8,9,10,11,12,13,14	119784	101106	-12293	1805588	1524040	SLU 51	15.074	Si
1930	12.17	2.2	0	7,9,11,12,13,14	153750	-15301	-4869	882382	-87813	SLU 51	5.739	Si
1960	7.38	3.6	0	7,9,11,12,13,14,15,16	105725	-13611	-4781	579034	-74545	SLU 51	5.477	Si
1990	12.06	1.3	0	15,16	57699	-11921	-4693	798519	-164979	SLU 51	13.839	Si
2020	12.06	1.3	0	15,16	9556	-9862	-4778	315003	-325069	SLU 47	32.963	Si
2050	12.06	1.3	0	15,16	-38508	-9351	-4676	-752360	-182699	SLU 48	19.538	Si
2080	12.06	1.3	0	15,16	-86378	-8860	-4430	-776380	-79636	SLU 51	8.988	Si
2110	12.06	1.3	0	15,16	-134404	-8685	-4342	-712682	-46051	SLU 51	5.303	Si
2140	12.06	1.3	0	15,16	-182430	-8509	-4255	-664185	-30980	SLU 51	3.641	Si
2170	12.06	1.3	0	15,16	-230455	-8334	-4167	-631721	-22844	SLU 51	2.741	Si
2200	12.06	1.3	0	15,16	-277681	-8161	-4081	-611030	-17958	SLU 51	2.2	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	1363512	256372	-106214	-2.02	1.92	2192841	412304	SLV 5	1.608				Si
-111	20.11	2.2	0	1,2	1189699	229946	-106086	-2.02	1.92	2105616	406976	SLV 5	1.77				Si
-82	20.11	1.1	0	2	1012857	203489	-105955	-2.02	1.92	1974055	396600	SLV 5	1.949				Si
-53	20.11	1.1	0	2	836034	177612	-105824	-2.02	1.92	1789841	380245	SLV 5	2.141				Si
-24	20.11	1.1	0	2	659243	152516	-105693	-2.02	1.92	1546790	357851	SLV 5	2.346				Si
5	20.11	1.1	0	2	482511	-51181	-105562	-2.02	1.92	1312273	-139197	SLV 5	2.72				Si
35	20.11	1.1	0	2	305919	-57014	-105431	-2.02	1.92	905689	-168794	SLV 5	2.961				Si
64	20.11	1.1	0	2	129802	-64568	-105300	-2.02	1.92	405886	-201902	SLV 5	3.127				Si
93	20.11	1.1	0	2	-43956	-74297	-105169	-2.02	1.92	-137619	-232612	SLV 5	3.131				Si
122	20.11	1.1	0	2	-202422	-86392	-105038	-2.02	1.92	-618070	-263786	SLV 5	3.053				Si
151	20.11	1.1	0	2	-342614	-100609	-104908	-2.02	1.92	-965247	-283445	SLV 5	2.817				Si
180	20.11	1.1	0	2	-577334	-115303	-104779	-2.02	1.92	-1446204	-288831	SLV 5	2.505				Si
200	20.11	1.1	0	2	-143255	223389	-96295	-2.02	1.92	-421169	656764	SLV 5	2.94				Si
232	20.11	1.1	0	2	-59427	168523	-96153	-2.02	1.92	-191715	543668	SLV 5	3.226				Si
264	20.11	1.1	0	2	53816	120130	-96009	-2.02	1.92	183934	410578	SLV 5	3.418				Si
296	20.11	1.1	0	2	142882	88564	-95865	-2.02	1.92	484200	300126	SLV 5	3.389				Si
328	20.11	1.1	0	2	239842	93233	-95721	-2.02	1.92	768703	298817	SLV 5	3.205				Si
360	20.11	1.1	0	2	268754	219208	-88492	-2.02	1.92	796456	649626	SLV 9	2.964				Si
380	20.11	2.2	0	2,3	467572	3874	-89338	-2.02	1.92	1496052	12396	SLV 5	3.2				Si
414	20.11	2.2	0	2,3	261118	-39720	-89188	-2.02	1.92	919819	-139917	SLV 5	3.523				Si
448	20.11	1.1	0	3	53755	-104744	-89036	-2.02	1.92	198795	-387359	SLV 5	3.698				Si
481	20.11	1.1	0	3	-173341	-152622	-88884	-2.02	1.92	-573147	-504643	SLV 5	3.306				Si
515	20.11	1.1	0	3	-382858	-202007	-88733	-2.02	1.92	-1091385	-575847	SLV 5	2.851				Si
535	20.11	1.1	0	3	61938	171878	-79617	-2.02	1.92	230041	638366	SLV 5	3.714				Si
569	20.11	1.1	0	3	174637	149296	-79465	-2.02	1.92	629275	537963	SLV 5	3.603				Si
603	20.11	1.1	0	3	216285	122637	-79313	-2.02	1.92	785804	445562	SLV 5	3.633				Si
636	20.11	1.1	0	3	292757	128524	-79161	-2.02	1.92	1012597	444543	SLV 5	3.459				Si
670	20.11	1.1	0	3	354124	138483	-79012	-2.02	1.92	1172955	458694	SLV 5	3.312				Si
690	20.11	2.2	0	3,4	-289530	-233210	-32486	-2.02	1.92	-1241360	-999889	SLV 15	4.287				Si
724	20.11	2.2	0	3,4	26532	-80891	-66552	-2.02	1.92	131271	-400212	SLV 5	4.948				Si
758	20.11	1.1	0	4	-182504	-123083	-66400	-2.02	1.92	-769903	-519230	SLV 5	4.219				Si
791	20.11	1.1	0	4	-371656	-169741	-66248	-2.02	1.92	-1314083	-600164	SLV 5	3.536				Si
825	20.11	1.1	0	4	-560319	-216841	-66096	-2.02	1.92	-1657478	-641438	SLV 5	2.958				Si
845	20.11	1.1	0	4	-98656	161834	-56962	-2.02	1.92	-463137	759728	SLV 5	4.694				Si
879	20.11	1.1	0	4	-43808	121863	-56810	-2.02	1.92	-228400	635346	SLV 5	5.214				Si
913	20.11	1.1	0	4	97168	80903	-56658	-2.02	1.92	523921	436221	SLV 5	5.392				Si
946	20.11	1.1	0	4	145903	20349	-56506	-2.02	1.92	832966	116174	SLV 5	5.709				Si
980	20.11	1.1	0	4	204936	-15828	-56357	-2.02	1.92	1113107	-85968	SLV 5	5.431				Si
1000	20.11	2.2	0	4,5	346889	-76463	-49941	-2.02	1.92	1659134	-365714	SLV 5	4.783				Si
1034	20.11	2.2	0	4,5	151022	-71939	-49789	-2.02	1.92	869423	-414147	SLV 5	5.757				Si
1068	20.11	1.1	0	5	-92138	-91985	-49637	-2.02	1.92	-540788	-539896	SLV 5	5.869				Si
1101	20.11	1.1	0	5	-289149	-137771	-49485	-2.02	1.92	-1331861	-634590	SLV 5	4.606				Si
1135	20.11	1.1	0	5	-493030	-189927	-49333	-2.02	1.92	-1746339	-672731	SLV 5	3.542				Si
1155	20.11	1.1	0	5	-48899	223491	-40261	-2.02	1.92	-260146	1188981	SLV 5	5.32				Si
1189	20.11	1.1	0	5	-28827	161407	-40109	-2.02	1.92	-179247	1003648	SLV 5	6.218				Si
1223	20.11	1.1	0	5	91868	109608	-37480	-2.02	1.92	633159	755425	SLV 9	6.892				Si
1256	20.11	1.1	0	5	140245	14663	-39805	-2.02	1.92	1078010	112708	SLV 5	7.687				Si
1290	20.11	1.1	0	5	-134905	186006	-21586	-2.02	1.92	-850325	1172422	SLV 11	6.303				Si
1310	20.11	2.2	0	5,6	235287	-160284	-30442	-2.02	1.92	1325413	-902906	SLV 9	5.633				Si
1344	20.11	2.2	0	5,6	118087	-91545	-33017	-2.02	1.92	895575	-694278	SLV 5	7.584				Si
1378	20.11	1.1	0	6	-130511	-113495	-32865	-2.02	1.92	-925320	-804680	SLV 5	7.09				Si
1411	20.11	1.1	0	6	-316807	-160719	-32714	-2.02	1.92	-1575141	-799081	SLV 5	4.972				Si
1445	20.11	1.1	0	6	-514528	-221848	-32562	-2.02	1.92	-1739410	-749979	SLV 5	3.381				Si
1465	20.11	1.1	0	6	-77449	241008	-22570	-2.02	1.92	-431206	1341838	SLV 5	5.568				Si
1499	20.11	1.1	0	6	-44334	177204	-22418	-2.02	1.92	-331716	1325866	SLV 5	7.482				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1533	20.11	1.1	0	6	-9883	120987	-23413	-2.02	1.92	-95989	1175040	SLV 9	9.712				Si
1566	20.11	1.1	0	6	74952	120176	-21952	-2.02	1.92	681945	1093402	SLV 13	9.098				Si
1600	20.11	1.1	0	6	-75687	178154	-15548	-2.02	1.92	-551317	1297704	SLV 11	7.284				Si
1620	20.11	2.2	0	6,7,8,10	202840	-138179	-15259	-2.02	1.92	1373488	-935652	SLV 9	6.771				Si
1654	20.11	2.2	0	6,7,8,10	67423	-112828	-15107	-2.02	1.92	715384	-1197142	SLV 9	10.61				Si
1688	20.11	1.1	0	7,8,10	-120780	-119065	-16283	-2.02	1.92	-1081204	-1065852	SLV 5	8.952				Si
1721	20.11	1.1	0	7,8,10	-301429	-154328	-16132	-2.02	1.92	-1575546	-806660	SLV 5	5.227				Si
1755	20.11	1.1	0	7,8,10	-482016	-195835	-15982	-2.02	1.92	-1677633	-681594	SLV 5	3.48				Si
1775	20.11	1.1	0	7,8,10	-73926	170979	-7864	-2.02	1.92	-532898	1232514	SLV 5	7.209				Si
1809	20.11	1.1	0	7,8,10	124506	135384	-8434	-2.02	1.92	984156	1070136	SLV 13	7.904				Si
1843	20.11	1.1	0	7,8,10	111949	144856	-8282	-2.02	1.92	867539	1122553	SLV 13	7.749				Si
1876	20.11	1.1	0	7,8,10	101003	164575	-8130	-2.02	1.92	720838	1174541	SLV 13	7.137				Si
1910	39.29	3.1	0	7,8,9,10,11,12,13,14	107205	196467	-7658	-2.02	1.92	745767	1366715	SLV 15	6.956				Si
1930	12.17	2.2	0	7,9,11,12,13,14	127361	110615	-3167	-2.02	1.92	405985	352603	SLV 9	3.188				Si
1960	7.38	3.6	0	7,9,11,12,13,14,15,16	88584	99521	-3100	-2.02	1.92	224598	252327	SLV 9	2.535				Si
1990	12.06	1.3	0	15,16	49865	88427	-3032	-2.02	1.92	270561	479789	SLV 9	5.426				Si
2020	12.06	1.3	0	15,16	-737	-89149	-2344	-2.02	1.92	-5532	-669331	SLV 7	7.508				Si
2050	12.06	1.3	0	15,16	-31755	66239	-2897	-2.02	1.92	-259281	540836	SLV 9	8.165				Si
2080	12.06	1.3	0	15,16	-73258	55145	-2830	-2.02	1.92	-405257	305059	SLV 9	5.532				Si
2110	12.06	1.3	0	15,16	-116431	44052	-2762	-2.02	1.92	-433178	163894	SLV 9	3.72				Si
2140	12.06	1.3	0	15,16	-159876	21202	-2550	-2.02	1.92	-452512	60011	SLV 5	2.83				Si
2170	12.06	1.3	0	15,16	-203408	14154	-2483	-2.02	1.92	-448270	31192	SLV 5	2.204				Si
2200	12.06	1.3	0	15,16	-246252	7220	-2416	-2.02	1.92	-445183	13053	SLV 5	1.808				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	665809	111963	-87888	1791389	301241	SLD 5	2.691	Si
-111	20.11	2.2	0	1,2	574673	97599	-87760	1639023	278361	SLD 5	2.852	Si
-82	20.11	1.1	0	2	481948	83154	-87629	1459866	251880	SLD 5	3.029	Si
-53	20.11	1.1	0	2	389233	68939	-87498	1256486	222542	SLD 5	3.228	Si
-24	20.11	1.1	0	2	296531	55036	-87367	1024247	190098	SLD 5	3.454	Si
5	20.11	1.1	0	2	203858	-28655	-87236	766572	-107751	SLD 5	3.76	Si
35	20.11	1.1	0	2	111250	-34943	-87105	420539	-132088	SLD 5	3.78	Si
64	20.11	1.1	0	2	18866	-41915	-86974	71423	-158683	SLD 5	3.786	Si
93	20.11	1.1	0	2	-72456	-49751	-86843	-274721	-188633	SLD 5	3.792	Si
122	20.11	1.1	0	2	-158274	-58519	-86713	-597085	-220761	SLD 5	3.772	Si
151	20.11	1.1	0	2	-236456	-68098	-86582	-842181	-242543	SLD 5	3.562	Si
180	20.11	1.1	0	2	-351739	-77738	-86453	-1160947	-256580	SLD 5	3.301	Si
200	20.11	1.1	0	2	-101606	110298	-81103	-393783	427470	SLD 5	3.876	Si
232	20.11	1.1	0	2	-51324	91591	-80961	-208737	372501	SLD 5	4.067	Si
264	20.11	1.1	0	2	14331	75500	-80817	58389	307607	SLD 5	4.074	Si
296	20.11	1.1	0	2	65963	66087	-80673	269230	269736	SLD 5	4.082	Si
328	20.11	1.1	0	2	121375	71057	-80529	491275	287609	SLD 5	4.048	Si
360	20.11	1.1	0	2	150115	123531	-77612	575726	473771	SLD 9	3.835	Si
380	20.11	2.2	0	2,3	256064	-26660	-74154	1061306	-110499	SLD 5	4.145	Si
414	20.11	2.2	0	2,3	152146	-45376	-74004	667952	-199208	SLD 5	4.39	Si
448	20.11	1.1	0	3	47723	-73922	-73852	212775	-329582	SLD 5	4.459	Si
481	20.11	1.1	0	3	-68049	-94183	-73700	-297200	-411337	SLD 5	4.367	Si
515	20.11	1.1	0	3	-173553	-115214	-73548	-690375	-458307	SLD 5	3.978	Si
535	20.11	1.1	0	3	98144	112311	-67828	437535	500689	SLD 5	4.458	Si
569	20.11	1.1	0	3	155019	110240	-67676	668396	475323	SLD 5	4.312	Si
603	20.11	1.1	0	3	175582	105993	-67524	752128	454033	SLD 5	4.284	Si
636	20.11	1.1	0	3	210426	116544	-67372	869751	481711	SLD 5	4.133	Si
670	20.11	1.1	0	3	239004	128403	-67223	956650	513952	SLD 5	4.003	Si
690	20.11	2.2	0	3,4	-159621	-153476	-41385	-883616	-849598	SLD 15	5.536	Si
724	20.11	2.2	0	3,4	-64728	-105573	-52410	-363791	-593352	SLD 9	5.62	Si
758	20.11	1.1	0	4	-150672	-106572	-54546	-766469	-542132	SLD 5	5.087	Si
791	20.11	1.1	0	4	-238396	-123918	-54394	-1105364	-574567	SLD 5	4.637	Si
825	20.11	1.1	0	4	-326871	-141087	-54242	-1382715	-596818	SLD 5	4.23	Si
845	20.11	1.1	0	4	-38889	92977	-48458	-242866	580652	SLD 5	6.245	Si
879	20.11	1.1	0	4	-13279	80639	-48306	-87189	529479	SLD 5	6.566	Si
913	20.11	1.1	0	4	58264	67621	-48155	379312	440229	SLD 5	6.51	Si
946	20.11	1.1	0	4	81747	46615	-48003	544602	310551	SLD 5	6.662	Si
980	20.11	1.1	0	4	109460	35630	-47853	724944	235974	SLD 5	6.623	Si
1000	20.11	2.2	0	4,5	198652	-59895	-41378	1268316	-382404	SLD 5	6.385	Si
1034	20.11	2.2	0	4,5	91231	-61127	-41226	656954	-440177	SLD 5	7.201	Si
1068	20.11	1.1	0	5	-43433	-73789	-41074	-320665	-544783	SLD 5	7.383	Si
1101	20.11	1.1	0	5	-150531	-97340	-40923	-947435	-612652	SLD 5	6.294	Si
1135	20.11	1.1	0	5	-262039	-123387	-40771	-1401851	-660095	SLD 5	5.35	Si
1155	20.11	1.1	0	5	19441	132485	-34840	142601	971762	SLD 5	7.335	Si
1189	20.11	1.1	0	5	16837	106862	-34688	132676	842062	SLD 5	7.88	Si
1223	20.11	1.1	0	5	66757	85735	-33539	540461	694103	SLD 9	8.096	Si
1256	20.11	1.1	0	5	81486	45595	-34384	708582	396486	SLD 5	8.696	Si
1290	20.11	1.1	0	5	-32906	121887	-28024	-280632	1039497	SLD 15	8.528	Si
1310	20.11	2.2	0	5,6	143054	-99356	-26576	1157152	-803679	SLD 9	8.089	Si
1344	20.11	2.2	0	5,6	66166	-75349	-27520	632280	-720025	SLD 5	9.556	Si
1378	20.11	1.1	0	6	-73287	-91146	-27368	-662584	-824046	SLD 5	9.041	Si
1411	20.11	1.1	0	6	-177650	-118239	-27216	-1272124	-846692	SLD 5	7.161	Si
1445	20.11	1.1	0	6	-288848	-151009	-27065	-1577916	-824932	SLD 5	5.463	Si
1465	20.11	1.1	0	6	-2245	134163	-20649	-22058	1318170	SLD 5	9.825	Si
1499	20.11	1.1	0	6	3064	108771	-20497	33851	1201563	SLD 5	11.047	Si
1533	20.11	1.1	0	6	35547	81643	-20290	422319	969973	SLD 13	11.881	Si
1566	20.11	1.1	0	6	43762	87390	-20138	502267	1002993	SLD 13	11.477	Si
1600	20.11	1.1	0	6	18337	121183	-19076	192553	1272526	SLD 15	10.501	Si
1620	20.11	2.2	0	6,7,8,10	126559	-93789	-13359	1307948	-969282	SLD 9	10.335	Si
1654	20.11	2.2	0	6,7,8,10	47430	-84949	-13207	653280	-1170048	SLD 9	13.774	Si
1688	20.11	1.1	0	7,8,10	-54566	-88435	-13594	-713915	-1157039	SLD 5	13.084	Si
1721	20.11	1.1	0	7,8,10	-151920	-104148	-13442	-1375826	-943190	SLD 5	9.056	Si
1755	20.11	1.1	0	7,8,10	-249397	-122781	-13292	-1607588	-791430	SLD 5	6.446	Si
1775	20.11	1.1	0	7,8,10	28208	113003	-7708	344799	1381285	SLD 5	12.223	Si
1809	20.11	1.1	0	7,8,10	103331	96372	-7853	1111297	1036456	SLD 13	10.755	Si
1843	20.11	1.1	0	7,8,10	94564	97827	-7701	1035508	1071237	SLD 13	10.95	Si
1876	20.11	1.1	0	7,8,10	86598	103545	-7550	932542	1115046	SLD 13	10.769	Si
1910	39.29	3.1	0	7,8,9,10,11,12,13,14	86124	114950	-7259	964643	1287509	SLD 15	11.201	Si
1930	12.17	2.2	0	7,9,11,12,13,14	103217	49291	-2992	527733	252019	SLD 9	5.113	Si
1960	7.38	3.6	0	7,9,11,12,13,14,15,16	71469	44392	-2924	317542	197237	SLD 9	4.443	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1990	12.06	1.3	0	15,16	36593	-44170	-2583	357218	-431181	SLD 3	9.762	Si
2020	12.06	1.3	0	15,16	2667	-46410	-2520	44636	-776632	SLD 7	16.734	Si
2050	12.06	1.3	0	15,16	-17452	-39555	-2453	-250023	-566684	SLD 7	14.326	Si
2080	12.06	1.3	0	15,16	-58311	24796	-2654	-518509	220485	SLD 9	8.892	Si
2110	12.06	1.3	0	15,16	-91877	19897	-2587	-491210	106377	SLD 9	5.346	Si
2140	12.06	1.3	0	15,16	-125572	9352	-2454	-482007	35898	SLD 5	3.838	Si
2170	12.06	1.3	0	15,16	-159308	6406	-2386	-466879	18773	SLD 5	2.931	Si
2200	12.06	1.3	0	15,16	-192499	3507	-2320	-457530	8336	SLD 5	2.377	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-981	-116503	SLU 46	15366	51792	52691	2.35	52.79	-2891	-116503	SLU 46	15029	48385	55356	2.5	16.74	Si
-111	5X/2Y Ø8/10	-981	-116336	SLU 46	15366	51792	52691	2.35	52.79	-2891	-116336	SLU 46	15029	48385	55356	2.5	16.74	Si
-82	5X/2Y Ø8/10	-981	-116165	SLU 46	15366	51792	52691	2.35	52.79	-2891	-116165	SLU 46	15029	48385	55356	2.5	16.74	Si
-53	5X/2Y Ø8/10	-981	-115995	SLU 46	15366	51792	52691	2.35	52.79	-2891	-115995	SLU 46	15029	48385	55356	2.5	16.74	Si
-24	5X/2Y Ø8/15	-981	-115825	SLU 46	15366	36732	50429	2.5	37.44	-2891	-115825	SLU 46	15029	32257	55356	2.5	11.16	Si
5	5X/2Y Ø8/15	-981	-115655	SLU 46	15366	36732	50429	2.5	37.44	-2891	-115655	SLU 46	15029	32257	55356	2.5	11.16	Si
35	5X/2Y Ø8/15	-981	-115485	SLU 46	15366	36732	50429	2.5	37.44	-2891	-115485	SLU 46	15029	32257	55356	2.5	11.16	Si
64	5X/2Y Ø8/15	-981	-115314	SLU 46	15366	36732	50429	2.5	37.44	-2891	-115314	SLU 46	15029	32257	55356	2.5	11.16	Si
93	5X/2Y Ø8/15	-981	-115144	SLU 46	15366	36732	50429	2.5	37.44	-2891	-115144	SLU 46	15029	32257	55356	2.5	11.16	Si
122	5X/2Y Ø8/15	-981	-114974	SLU 46	15366	36732	50429	2.5	37.44	-2891	-114974	SLU 46	15029	32257	55356	2.5	11.16	Si
151	5X/2Y Ø8/15	-981	-114804	SLU 46	15366	36732	50429	2.5	37.44	-2891	-114804	SLU 46	15029	32257	55356	2.5	11.16	Si
180	5X/2Y Ø8/15	-981	-114637	SLU 46	15366	36732	50429	2.5	37.44	-2891	-114637	SLU 46	15029	32257	55356	2.5	11.16	Si
200	5X/2Y Ø8/15	609	-81464	SLU 15	15366	36732	50429	2.5	60.31	1499	-116707	SLU 51	15029	32257	55356	2.5	21.52	Si
232	5X/2Y Ø8/15	609	-81322	SLU 15	15366	36732	50429	2.5	60.31	1499	-116522	SLU 51	15029	32257	55356	2.5	21.52	Si
264	5X/2Y Ø8/10	609	-81178	SLU 15	15366	51792	52691	2.35	85.04	1499	-116335	SLU 51	15029	48385	55356	2.5	32.27	Si
296	5X/2Y Ø8/10	609	-81034	SLU 15	15366	51792	52691	2.35	85.04	1499	-116148	SLU 51	15029	48385	55356	2.5	32.27	Si
328	5X/2Y Ø8/10	609	-80890	SLU 15	15366	51792	52691	2.35	85.04	1499	-115961	SLU 51	15029	48385	55356	2.5	32.27	Si
360	5X/2Y Ø8/10	609	-80749	SLU 15	15366	51792	52691	2.35	85.04	1499	-115777	SLU 51	15029	48385	55356	2.5	32.27	Si
380	5X/2Y Ø8/10	-940	-78409	SLU 33	15366	51792	52691	2.35	55.13	-1979	-105976	SLU 51	15029	48385	55356	2.5	24.45	Si
414	5X/2Y Ø8/10	-940	-78214	SLU 33	15366	51792	52678	2.35	55.13	-1979	-105781	SLU 51	15029	48385	55356	2.5	24.45	Si
448	5X/2Y Ø8/10	-940	-78017	SLU 33	15366	51792	52651	2.35	55.13	-1979	-105584	SLU 51	15029	48385	55356	2.5	24.45	Si
481	5X/2Y Ø8/14.4	-940	-77819	SLU 33	15366	38145	50366	2.5	40.6	-1979	-105387	SLU 51	15029	33497	55356	2.5	16.93	Si
515	5X/2Y Ø8/14.4	-940	-77622	SLU 33	15366	38145	50341	2.5	40.6	-1979	-105189	SLU 51	15029	33497	55356	2.5	16.93	Si
535	5X/2Y Ø8/14.4	1107	-91119	SLU 45	15366	38145	50429	2.5	34.47	412	-93602	SLU 47	15029	33497	55356	2.5	81.27	Si
569	5X/2Y Ø8/14.4	1107	-90922	SLU 45	15366	38145	50429	2.5	34.47	412	-93404	SLU 47	15029	33497	55356	2.5	81.27	Si
603	5X/2Y Ø8/10	1107	-90724	SLU 45	15366	51792	52691	2.35	46.81	412	-93207	SLU 47	15029	48385	55356	2.5	117.39	Si
636	5X/2Y Ø8/10	1107	-90527	SLU 45	15366	51792	52691	2.35	46.81	412	-93009	SLU 47	15029	48385	55356	2.5	117.39	Si
670	5X/2Y Ø8/10	1107	-90332	SLU 45	15366	51792	52691	2.35	46.81	412	-92815	SLU 47	15029	48385	55356	2.5	117.39	Si
690	5X/2Y Ø8/10	201	-53924	SLU 14	14280	49588	50896	2.25	247.28	-1282	-77465	SLU 51	15029	48385	55237	2.5	37.75	Si
724	5X/2Y Ø8/10	201	-53772	SLU 14	14261	49588	50875	2.25	247.28	-1282	-77268	SLU 51	15029	48385	55209	2.5	37.75	Si
758	5X/2Y Ø8/10	201	-53620	SLU 14	14242	49588	50854	2.25	247.28	-1282	-77070	SLU 51	15029	48385	55181	2.5	37.75	Si
791	5X/2Y Ø8/14.4	201	-53468	SLU 14	14223	38145	47230	2.5	190.22	-1282	-76873	SLU 51	15029	33497	55153	2.5	26.13	Si
825	5X/2Y Ø8/14.4	201	-53316	SLU 14	14204	38145	47210	2.5	190.22	-1282	-76675	SLU 51	15029	33497	55125	2.5	26.13	Si
845	5X/2Y Ø8/14.4	352	-62548	SLU 24	15354	38145	48399	2.5	108.23	436	-66687	SLU 47	15029	33497	53713	2.5	76.89	Si
879	5X/2Y Ø8/14.4	352	-62396	SLU 24	15335	38145	48380	2.5	108.23	436	-66489	SLU 47	15029	33497	53685	2.5	76.89	Si
913	5X/2Y Ø8/10	352	-57817	SLU 19	14765	49588	51436	2.25	140.72	436	-66292	SLU 47	15029	48385	53657	2.5	111.07	Si
946	5X/2Y Ø8/10	352	-57665	SLU 19	14746	49588	51415	2.25	140.72	436	-66094	SLU 47	15029	48385	53629	2.5	111.07	Si
980	5X/2Y Ø8/10	352	-57516	SLU 19	14727	49588	51394	2.25	140.72	436	-65900	SLU 47	15029	48385	53602	2.5	111.07	Si
1000	4X/2Y Ø8/10	-492	-48987	SLU 38	13665	44078	46653	2.5	89.64	-2735	-59077	SLU 51	14541	48385	52637	2.5	17.69	Si
1034	4X/2Y Ø8/10	-492	-48790	SLU 38	13641	44078	46627	2.5	89.64	-2735	-58880	SLU 51	14514	48385	52609	2.5	17.69	Si
1068	4X/2Y Ø8/10	-492	-48592	SLU 38	13616	44078	46602	2.5	89.64	-2735	-58682	SLU 51	14487	48385	52581	2.5	17.69	Si
1101	4X/2Y Ø8/14.4	-492	-48395	SLU 38	13592	30516	46576	2.5	62.06	-2735	-58485	SLU 51	14460	33497	52554	2.5	12.25	Si
1135	4X/2Y Ø8/14.4	-492	-48197	SLU 38	13567	30516	46551	2.5	62.06	-2735	-58288	SLU 51	14433	33497	52526	2.5	12.25	Si
1155	4X/2Y Ø8/14.4	149	-35720	SLU 14	12014	30516	44944	2.5	205.2	-803	-47192	SLU 45	12916	33497	50957	2.5	41.7	Si
1189	4X/2Y Ø8/14.4	149	-35569	SLU 14	11995	30516	44924	2.5	205.2	-803	-46994	SLU 45	12889	33497	50929	2.5	41.7	Si
1223	4X/2Y Ø8/10	149	-35417	SLU 14	11976	44078	44905	2.5	296.4	-803	-46797	SLU 45	12862	48385	50901	2.5	60.23	Si
1256	4X/2Y Ø8/10	149	-35265	SLU 14	11957	44078	44885	2.5	296.4	-803	-46599	SLU 45	12835	48385	50873	2.5	60.23	Si
1290	4X/2Y Ø8/10	149	-35115	SLU 14	11938	44078	44866	2.5	296.4	-803	-46405	SLU 45	12809	48385	50846	2.5	60.23	Si
1310	4X/2Y Ø8/10	-674	-33830	SLU 38	11778	44078	44700	2.5	65.43	-2854	-40085	SLU 51	11945	48385	49952	2.5	16.95	Si
1344	4X/2Y Ø8/10	-674	-33633	SLU 38	11754	44078	44675	2.5	65.43	-2854	-39887	SLU 51	11918	48385	49924	2.5	16.95	Si
1378	4X/2Y Ø8/10	-674	-33435	SLU 38	11729	44078	44650	2.5	65.43	-2854	-39690	SLU 51	11891	48385	49896	2.5	16.95	Si
1411	4X/2Y Ø8/14.4	-674	-33238	SLU 38	11705	30516	44624	2.5	45.29	-2854	-39492	SLU 51	11864	33497	49868	2.5	11.74	Si
1445	4X/2Y Ø8/14.4	-674	-33040	SLU 38	11680	30516	44599	2.5	45.29	-2854	-39295	SLU 51	11837	33497	49841	2.5	11.74	Si
1465	4X/2Y Ø8/14.4	298	-21823	SLU 14	10283	30516	43154	2.5	102.44	-706	-29376	SLU 45	10482	33497	48438	2.5	47.45	Si
1499	4X/2Y Ø8/14.4	298	-21671	SLU 14	10264	30516	43134	2.5	102.44	-706	-29178	SLU 45	10455	33497	48410	2.5	47.45	Si
1533	4X/2Y Ø8/10	298	-21519	SLU 14	10246	43197	43746	2.45	145	-706	-28981	SLU 45	10428	47417	49091	2.45	67.16	Si
1566	4X/2Y Ø8/10	298	-21367	SLU 14	10227	43197	43726	2.45	145	-706	-28783	SLU 45	10401	47417	49062	2.45	67.16	Si
1600	4X/2Y Ø8/10	298	-21218	SLU 14	10208	43197	43707	2.45	145	-706	-28589	SLU 45	10374	47417	49034	2.45	67.16	Si
1620	4X/2Y Ø8/10	-323	-18377	SLU 38	9854	43197	43335	2.45	133.84	-2142	-20773	SLU 51	9306	47417	47913	2.45	22.13	Si
1654	4X/2Y Ø8/10	-323	-18180	SLU 38	9830	43197	43310	2.45	133.84	-2142	-20575	SLU 51	9279	47417	47885	2.45	22.13	Si
1688	4X/2Y Ø8/10	-323	-17982	SLU 38	9805	43197	43284	2.45	133.84	-2142	-20378	SLU 51	9252	47417	47856	2.45	22.13	Si
1721	4X/2Y Ø8/14.4	-323	-17785	SLU 38	9781	30516	42634	2.5	94.55	-2142	-20180	SLU 51	9225	33497	47138	2.5	15.64	Si
1755	4X/2Y Ø8/14.4	-323	-17590	SLU 38	9756	30516	42609	2.5	94.55	-2142	-19986	SLU 51	9198	33497	47111	2.5	15.64	Si
1775	4X/2Y Ø8/14.4	-201	-11533	SLU 38	9002	30516	41829	2.5	151.65	-525	-12619	SLU 50	8191	33497	46069	2.5	63.85	Si
1809	4X/2Y Ø8/14.4	-201	-11336	SLU 38	8978	30516	41803	2.5	151.65	-525	-12421	SLU 50	8164	33497	46041	2.5	63.85	Si
1843	4X/2Y Ø8/10	-201	-11138	SLU 38	8953	42315	43014	2.4	210.29	-525	-12224	SLU 50	8138	46450	47375	2.4	88.53	Si
1876	4X/2Y Ø8/10	-201	-10941	SLU 38	8929	42315	42988	2.4	210.29	-525	-12026	SLU 50	8111	46450	47346	2.4	88.53	Si
1910	4X/2Y Ø8/10	-201	-10746	SLU 38	8904	42315	42962	2.4	210.29	-525	-11832	SLU 50	8084	46450	47318	2.4	88.53	Si
1930	2X/2Y Ø8/10	56	-4345	SLU 38	4324	21158	21345	2.4	374.59	-1601	-4869	SLU 51	4361	20959	21213	2.4	13.09	Si
1960	2X/2Y Ø8/10	56	-4257	SLU 38	4313	21158	21333	2.4	374.59	-1601	-4781	SLU 51	4350	20959	21201	2.4	13.09	Si
1990	2X/2Y Ø8/10	56	-4170	SLU 38	4302	21158	21321	2.4	374.59	-1601	-4693	SLU 51	4339	20959	21190	2.4	13.09	Si
2020	2X/2Y Ø8/10	56	-4082	SLU 38	4291	21158	21310	2.4	374.59	-1601	-4606	SLU 51	4328	20959	21178	2.4	13.09	Si
2050	2X/2Y Ø8/10	56	-3994	SLU 38	4281	21158	21298	2.4	374.59	-1601	-4518	SLU 51	4317	20959	21167	2.4	13.09	Si
2080	2X/2Y Ø8/10	56	-3906	SLU 38	4270	21158	21287	2.4	374.59	-1601	-4430	SLU 51	4307	20959	21155	2.4	13.09	Si
2110	2X/2Y Ø8/10	56	-3819	SLU 38	4259	21158	21275	2.4	374.59	-1601	-4342	SLU 51	4296	20959	21143	2.4	13.09	Si
2140	2X/2Y Ø8/10	56	-3731	SLU 38	4248	21158	21263	2.4	374.59	-1601	-4255	SLU 51	4285	20959	21132	2.4	13.09	Si
2170	2X/2Y Ø8/10	56	-3643	SLU 38	4237	21158	21252	2.4	374.59	-1601	-4167	SLU 51	4274	20959	21120	2.4	13.09	Si
2200	2X/2Y Ø8/10	56	-3557	SLU 38	4226	21158	21240	2.4	374.59	-1601	-4081	SLU 51	4263	20959	21109	2.4	13.09	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-1279	-98753	SLV 1	15366	51792	52691	2.35	40.48	-6081	-106214	SLV 5	15029	48385	55356	2.5	7.96	Si
-111	5X/2Y Ø8/10	-1279	-98624	SLV 1	15366	51792	52691	2.35	40.48	-6081	-106086	SLV 5	15029	48385	55356	2.5	7.96	Si
-82	5X/2Y Ø8/10	-1279	-98493	SLV 1	15366	51792	52691	2.35	40.48	-6081	-105955	SLV 5	15029	48385	55356	2.5	7.96	Si
-53	5X/2Y Ø8/10	-1279	-98362	SLV 1	15366	51792	52691	2.35	40.48	-6081	-105824	SLV 5	15029	48385	55356	2.5	7.96	Si
-24	5X/2Y Ø8/15	-1279	-98231	SLV 1	15366	36732	50429	2.5	28.71	-6081	-105693	SLV 5	15029	32257	55356	2.5	5.3	Si
5	5X/2Y Ø8/15	-1279	-98101	SLV 1	15366	36732	50429	2.5	28.71	-6081	-105562	SLV 5	15029	32257	55356	2.5	5.3	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
35	5X/2Y Ø8/15	-1279	-97970	SLV 1	15366	36732	50429	2.5	28.71	-6081	-105431	SLV 5	15029	32257	55356	2.5	5.3	Si
64	5X/2Y Ø8/15	-1279	-97839	SLV 1	15366	36732	50429	2.5	28.71	-6081	-105300	SLV 5	15029	32257	55356	2.5	5.3	Si
93	5X/2Y Ø8/15	-1279	-97708	SLV 1	15366	36732	50429	2.5	28.71	-6081	-105169	SLV 5	15029	32257	55356	2.5	5.3	Si
122	5X/2Y Ø8/15	-1279	-97577	SLV 1	15366	36732	50429	2.5	28.71	-6081	-105038	SLV 5	15029	32257	55356	2.5	5.3	Si
151	5X/2Y Ø8/15	-1279	-97446	SLV 1	15366	36732	50429	2.5	28.71	-6081	-104908	SLV 5	15029	32257	55356	2.5	5.3	Si
180	5X/2Y Ø8/15	-1279	-97317	SLV 1	15366	36732	50429	2.5	28.71	-6081	-104779	SLV 5	15029	32257	55356	2.5	5.3	Si
200	5X/2Y Ø8/15	3123	-53100	SLV 15	14177	36732	47182	2.5	11.76	3154	-89208	SLV 9	15029	32257	55356	2.5	10.23	Si
232	5X/2Y Ø8/15	3123	-52958	SLV 15	14160	36732	47164	2.5	11.76	3154	-89066	SLV 9	15029	32257	55356	2.5	10.23	Si
264	5X/2Y Ø8/10	3123	-52814	SLV 15	14142	49588	50742	2.25	15.88	3154	-88922	SLV 9	15029	48385	55356	2.5	15.34	Si
296	5X/2Y Ø8/10	3123	-52670	SLV 15	14124	49588	50722	2.25	15.88	3154	-88778	SLV 9	15029	48385	55356	2.5	15.34	Si
328	5X/2Y Ø8/10	3123	-52526	SLV 15	14106	49588	50702	2.25	15.88	3154	-88634	SLV 9	15029	48385	55356	2.5	15.34	Si
360	5X/2Y Ø8/10	3123	-52384	SLV 15	14088	49588	50683	2.25	15.88	3154	-88492	SLV 9	15029	48385	55356	2.5	15.34	Si
380	5X/2Y Ø8/10	-1561	-83050	SLV 1	15366	51792	52691	2.35	33.17	-6285	-89338	SLV 5	15029	48385	55356	2.5	7.7	Si
414	5X/2Y Ø8/10	-1561	-82900	SLV 1	15366	51792	52691	2.35	33.17	-6285	-89188	SLV 5	15029	48385	55356	2.5	7.7	Si
448	5X/2Y Ø8/10	-1561	-82749	SLV 1	15366	51792	52691	2.35	33.17	-6285	-89036	SLV 5	15029	48385	55356	2.5	7.7	Si
481	5X/2Y Ø8/14.4	-1561	-82597	SLV 1	15366	38145	50429	2.5	24.43	-6285	-88884	SLV 5	15029	33497	55356	2.5	5.33	Si
515	5X/2Y Ø8/14.4	-1561	-82445	SLV 1	15366	38145	50429	2.5	24.43	-6285	-88733	SLV 5	15029	33497	55356	2.5	5.33	Si
535	5X/2Y Ø8/14.4	1922	-46024	SLV 15	13296	38145	46271	2.5	19.85	1933	-79617	SLV 5	15029	33497	55356	2.5	17.33	Si
569	5X/2Y Ø8/14.4	1922	-45872	SLV 15	13278	38145	46251	2.5	19.85	1933	-79465	SLV 5	15029	33497	55356	2.5	17.33	Si
603	5X/2Y Ø8/10	1922	-45720	SLV 15	13259	49588	49759	2.25	25.8	1933	-79313	SLV 5	15029	48385	55356	2.5	25.03	Si
636	5X/2Y Ø8/10	1922	-45569	SLV 15	13240	49588	49738	2.25	25.8	1933	-79161	SLV 5	15029	48385	55356	2.5	25.03	Si
670	5X/2Y Ø8/10	1922	-45419	SLV 15	13221	49588	49717	2.25	25.8	1933	-79012	SLV 5	15029	48385	55356	2.5	25.03	Si
690	5X/2Y Ø8/10	2072	-32486	SLV 15	11611	48486	48645	2.2	23.4	-5663	-66704	SLV 5	15029	48385	53716	2.5	8.54	Si
724	5X/2Y Ø8/10	2072	-32334	SLV 15	11592	48486	48623	2.2	23.4	-5663	-66552	SLV 5	15029	48385	53694	2.5	8.54	Si
758	5X/2Y Ø8/10	2072	-32182	SLV 15	11573	48486	48602	2.2	23.4	-5663	-66400	SLV 5	15029	48385	53673	2.5	8.54	Si
791	5X/2Y Ø8/14.4	2072	-32030	SLV 15	11554	38145	44469	2.5	18.41	-5663	-66248	SLV 5	15029	33497	53651	2.5	5.91	Si
825	5X/2Y Ø8/14.4	2072	-31878	SLV 15	11535	38145	44449	2.5	18.41	-5663	-66096	SLV 5	15029	33497	53630	2.5	5.91	Si
845	5X/2Y Ø8/14.4	1907	-32655	SLV 15	11632	38145	44549	2.5	20.01	1985	-56962	SLV 5	14252	33497	52338	2.5	16.87	Si
879	5X/2Y Ø8/14.4	1907	-32503	SLV 15	11613	38145	44530	2.5	20.01	1985	-56810	SLV 5	14231	33497	52317	2.5	16.87	Si
913	5X/2Y Ø8/10	1907	-32351	SLV 15	11594	48486	48626	2.2	25.43	1985	-56658	SLV 5	14210	48385	52295	2.5	24.37	Si
946	5X/2Y Ø8/10	1907	-32199	SLV 15	11575	48486	48604	2.2	25.43	1985	-56506	SLV 5	14189	48385	52274	2.5	24.37	Si
980	5X/2Y Ø8/10	1907	-32050	SLV 15	11557	48486	48583	2.2	25.43	1985	-56357	SLV 5	14169	48385	52253	2.5	24.37	Si
1000	4X/2Y Ø8/10	-2054	-46421	SLV 1	13346	44078	46322	2.5	21.46	-6135	-49941	SLV 5	13292	48385	51346	2.5	7.89	Si
1034	4X/2Y Ø8/10	-2054	-46269	SLV 1	13327	44078	46303	2.5	21.46	-6135	-49789	SLV 5	13271	48385	51324	2.5	7.89	Si
1068	4X/2Y Ø8/10	-2054	-46118	SLV 1	13308	44078	46283	2.5	21.46	-6135	-49637	SLV 5	13251	48385	51303	2.5	7.89	Si
1101	4X/2Y Ø8/14.4	-2054	-45966	SLV 1	13289	30516	46263	2.5	14.86	-6135	-49485	SLV 5	13230	33497	51281	2.5	5.46	Si
1135	4X/2Y Ø8/14.4	-2054	-45814	SLV 1	13270	30516	46244	2.5	14.86	-6135	-49333	SLV 5	13209	33497	51260	2.5	5.46	Si
1155	4X/2Y Ø8/14.4	2001	-22191	SLV 11	10329	30516	43201	2.5	15.25	-1994	-22191	SLV 11	9500	33497	47422	2.5	16.8	Si
1189	4X/2Y Ø8/14.4	2001	-22039	SLV 11	10310	30516	43182	2.5	15.25	-1994	-22039	SLV 11	9479	33497	47401	2.5	16.8	Si
1223	4X/2Y Ø8/10	2001	-21887	SLV 11	10291	43197	43794	2.45	21.59	-1994	-21887	SLV 11	9458	47417	48073	2.45	23.78	Si
1256	4X/2Y Ø8/10	2001	-21735	SLV 11	10273	43197	43774	2.45	21.59	-1994	-21735	SLV 11	9437	47417	48051	2.45	23.78	Si
1290	4X/2Y Ø8/10	2001	-21586	SLV 11	10254	43197	43755	2.45	21.59	-1994	-21586	SLV 11	9417	47417	48030	2.45	23.78	Si
1310	4X/2Y Ø8/10	-2283	-30885	SLV 1	11412	44078	44321	2.5	19.31	-5961	-33169	SLV 5	11000	48385	48974	2.5	8.12	Si
1344	4X/2Y Ø8/10	-2283	-30733	SLV 1	11393	44078	44302	2.5	19.31	-5961	-33017	SLV 5	10979	48385	48953	2.5	8.12	Si
1378	4X/2Y Ø8/10	-2283	-30581	SLV 1	11374	44078	44282	2.5	19.31	-5961	-32865	SLV 5	10959	48385	48932	2.5	8.12	Si
1411	4X/2Y Ø8/14.4	-2283	-30429	SLV 1	11355	30516	44263	2.5	13.37	-5961	-32714	SLV 5	10938	33497	48910	2.5	5.62	Si
1445	4X/2Y Ø8/14.4	-2283	-30278	SLV 1	11336	30516	44243	2.5	13.37	-5961	-32562	SLV 5	10917	33497	48889	2.5	5.62	Si
1465	4X/2Y Ø8/14.4	2316	-16153	SLV 11	9578	30516	42424	2.5	13.17	-1869	-16153	SLV 11	8675	33497	46569	2.5	17.92	Si
1499	4X/2Y Ø8/14.4	2316	-16002	SLV 11	9559	30516	42404	2.5	13.17	-1869	-16002	SLV 11	8654	33497	46547	2.5	17.92	Si
1533	4X/2Y Ø8/10	2316	-15850	SLV 11	9540	42315	43639	2.4	18.27	-1869	-15850	SLV 11	8633	46450	47902	2.4	24.86	Si
1566	4X/2Y Ø8/10	2316	-15698	SLV 11	9521	42315	43619	2.4	18.27	-1869	-15698	SLV 11	8612	46450	47880	2.4	24.86	Si
1600	4X/2Y Ø8/10	2316	-15548	SLV 11	9502	42315	43599	2.4	18.27	-1869	-15548	SLV 11	8592	46450	47859	2.4	24.86	Si
1620	4X/2Y Ø8/10	-1921	-15439	SLV 1	9489	42315	43584	2.4	22.02	-5460	-16587	SLV 5	8734	46450	48010	2.4	8.51	Si
1654	4X/2Y Ø8/10	-1921	-15287	SLV 1	9470	42315	43564	2.4	22.02	-5460	-16435	SLV 5	8713	46450	47988	2.4	8.51	Si
1688	4X/2Y Ø8/10	-1921	-15135	SLV 1	9451	42315	43544	2.4	22.02	-5460	-16283	SLV 5	8692	46450	47966	2.4	8.51	Si
1721	4X/2Y Ø8/14.4	-1921	-14983	SLV 1	9432	30516	42273	2.5	15.88	-5460	-16132	SLV 5	8672	33497	46566	2.5	6.13	Si
1755	4X/2Y Ø8/14.4	-1921	-14833	SLV 1	9413	30516	42254	2.5	15.88	-5460	-15982	SLV 5	8651	33497	46545	2.5	6.13	Si
1775	4X/2Y Ø8/14.4	-1226	-6896	SLV 1	8425	30516	41232	2.5	24.89	-1311	-7295	SLV 11	7464	33497	45317	2.5	25.55	Si
1809	4X/2Y Ø8/14.4	-1226	-6745	SLV 1	8406	30516	41212	2.5	24.89	-1311	-7144	SLV 11	7443	33497	45295	2.5	25.55	Si
1843	4X/2Y Ø8/10	-1226	-6593	SLV 1	8387	42315	42411	2.4	34.51	-1311	-6992	SLV 11	7422	46450	46613	2.4	35.43	Si
1876	4X/2Y Ø8/10	-1226	-6441	SLV 1	8368	42315	42391	2.4	34.51	-1311	-6840	SLV 11	7402	46450	46591	2.4	35.43	Si
1910	4X/2Y Ø8/10	-1226	-6291	SLV 1	8350	42315	42371	2.4	34.51	-1311	-6690	SLV 11	7381	46450	46569	2.4	35.43	Si
1930	2X/2Y Ø8/10	435	-2547	SLV 7	4100	20717	21419	2.35	47.62	-1454	-3023	SLV 5	4133	20959	20970	2.4	14.41	Si
1960	2X/2Y Ø8/10	435	-2479	SLV 7	4092	20717	21410	2.35	47.62	-1454	-2955	SLV 5	4125	20959	20961	2.4	14.41	Si
1990	2X/2Y Ø8/10	435	-2412	SLV 7	4084	20717	21401	2.35	47.62	-1454	-2888	SLV 5	4116	20522	21263	2.35	14.11	Si
2020	2X/2Y Ø8/10	435	-2344	SLV 7	4075	20717	21392	2.35	47.62	-1454	-2820	SLV 5	4108	20522	21254	2.35	14.11	Si
2050	2X/2Y Ø8/10	435	-2277	SLV 7	4067	20717	21383	2.35	47.62	-1454	-2753	SLV 5	4100	20522	21245	2.35	14.11	Si
2080	2X/2Y Ø8/10	435	-2209	SLV 7	4058	20717	21374	2.35	47.62	-1454	-2685	SLV 5	4091	20522	21236	2.35	14.11	Si
2110	2X/2Y Ø8/10	435	-2142	SLV 7	4050	20717	21365	2.35	47.62	-1454	-2618	SLV 5	4083	20522	21227	2.35	14.11	Si
2140	2X/2Y Ø8/10	435	-2074	SLV 7	4041	20717	21355	2.35	47.62	-1454	-2550	SLV 5	4075	20522	21218	2.35	14.11	Si
2170	2X/2Y Ø8/10	435	-2007	SLV 7	4033	20717	21346	2.35	47.62	-1454	-2483	SLV 5	4066	20522	21209	2.35	14.11	Si
2200	2X/2Y Ø8/10	435	-1941	SLV 7	4025	20717	21337	2.35	47.62	-1454	-2416	SLV 5	4058	20522	21200	2.35	14.11	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-643	-84976	SLD 1	18146	55098	50429	2.5	78.4	-3188	-87888	SLD 5	18478	48385	55356	2.5	15.18	Si
-111	5X/2Y Ø8/10	-643	-84848	SLD 1	18130	55098	50429	2.5	78.4	-3188	-87760	SLD 5	18461	48385	55356	2.5	15.18	Si
-82	5X/2Y Ø8/10	-643	-84717	SLD 1	18114	55098	50429	2.5	78.4	-3188	-87629	SLD 5	18443	48385	55356	2.5	15.18	Si
-53	5X/2Y Ø8/10	-643	-84586	SLD 1	18097	55098	50429	2.5	78.4	-3188	-87498	SLD 5	18425	48385	55356	2.5	15.18	Si
-24	5X/2Y Ø8/15	-643	-84455	SLD 1	18081	36732	50429	2.5	57.11	-3188	-87367	SLD 5	18407	32257	55356	2.5	10.12	Si
5	5X/2Y Ø8/15	-643	-84324	SLD 1	18065	36732	50429	2.5	57.11	-3188	-87236	SLD 5	18389	32257	55356	2.5	10.12	Si
35	5X/2Y Ø8/15	-643	-84193	SLD 1	18049	36732	50429	2.5	57.11	-3188	-87105	SLD 5	18371	32257	55356	2.5	10.12	Si
64	5X/2Y Ø8/15	-643	-84062	SLD 1	18032	36732	50429	2.5	57.11	-3188	-86974	SLD 5	18353	32257	55356	2.5	10.12	Si
93	5X/2Y Ø8/15	-643	-83931	SLD 1	18016	36732	50429	2.5	57.11	-3188	-86843	SLD 5	18335	32257	55356	2.5	10.12	Si
122	5X/2Y Ø8/15	-643	-83801	SLD 1	18000	36732	50429	2.5	57.11	-3188	-86713	SLD 5	18317	32257	55356	2.5	10.12	Si
151	5X/2Y Ø8/15	-643	-83670	SLD 1	17983	36732	50429	2.5	57.11	-3188	-86582	SLD 5	18300	32257	55356	2.5	10.12	Si
180	5X/2Y Ø8/15	-643	-83541	SLD 1	17967	36732	50429	2.5	57.11	-3188	-86453	SLD 5	18282	32257	55356	2.5	10.12	Si
200	5X/2Y Ø8/15	1316	-64196	SLD 15	15559	36732	48611	2.5	27.91	1793	-78327	SLD 9	17172	32257	55356	2.5	17.99	Si
232	5X/2Y Ø8/15	1316	-64054	SLD 15	15541	36732	48593	2.5	27.91	1793	-78186	SLD 9	17152	32257	55339	2.5	17.99	Si
264	5X/2Y Ø8/10	1316	-63910	SLD 15	15523	55098	48575	2.5	36.91	1793	-78042	SLD 9	17132	48385	55318	2.5	26.98	Si
296	5X/2Y Ø8/10	1316	-63766	SLD 15	15505	55098	48556	2.5	36.89	1793	-77898	SLD 9	17113	48385	55298	2.5	26.98	Si
328	5X/2Y Ø8/10	1316	-63622	SLD 15	15487	55098	48537	2.5	36.88	1793	-77754	SLD 9	17093	48385	55278	2.5	26.98	Si
360	5X/2Y Ø8/10	1316	-63480	SLD 15	15470	55098	48519	2.5	36.87	1793	-77612	SLD 9	17074	48385	55258	2.5	26.98	Si
380	5X/2Y Ø8/10	-667	-71694	SLD 1	16492	55098	49577	2.5	74.31	-3171	-74154	SLD 5	16601	48385	54769	2.5	15.26	Si
414	5X/2Y Ø8/10	-667	-71544	SLD 1	16474	55098	49558	2.5	74.28	-3171	-74004	SLD 5	16581	48385	54748	2.5	15.26	Si
448	5X/2Y Ø8/10	-667	-71393	SLD 1	16455	55098	49538	2.5	74.25	-3171	-73852	SLD 5	16560	48385	54726	2.5	15.26	Si
481	5X/2Y Ø8/14.4	-667	-71241	SLD 1	16436	38145	49519	2.5	57.18	-3171	-73700	SLD 5	16539	33497	54705	2.5	10.56	Si
515	5X/2Y Ø8/14.4	-667	-71089	SLD 1	16417	38145	49499	2.5	57.18	-3171	-73548	SLD 5	16518	33497	54683	2.5	10.56	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
535	5X/2Y Ø8/14.4	987	-54609	SLD 15	14365	38145	47377	2.5	38.66	911	-67828	SLD 5	15737	33497	53874	2.5	36.79	Si
569	5X/2Y Ø8/14.4	987	-54458	SLD 15	14346	38145	47357	2.5	38.66	911	-67676	SLD 5	15716	33497	53853	2.5	36.79	Si
603	5X/2Y Ø8/10	987	-54306	SLD 15	14328	55098	47338	2.5	47.98	911	-67524	SLD 5	15695	48385	53832	2.5	53.14	Si
636	5X/2Y Ø8/10	987	-54154	SLD 15	14309	55098	47318	2.5	47.96	911	-67372	SLD 5	15674	48385	53810	2.5	53.14	Si
670	5X/2Y Ø8/10	987	-54004	SLD 15	14290	55098	47299	2.5	47.94	911	-67223	SLD 5	15654	48385	53789	2.5	53.14	Si
690	5X/2Y Ø8/10	875	-41385	SLD 15	12719	55098	45674	2.5	52.17	-2665	-54850	SLD 5	13963	48385	52040	2.5	18.15	Si
724	5X/2Y Ø8/10	875	-41234	SLD 15	12700	55098	45654	2.5	52.15	-2665	-54698	SLD 5	13942	48385	52018	2.5	18.15	Si
758	5X/2Y Ø8/10	875	-41082	SLD 15	12681	55098	45634	2.5	52.13	-2665	-54546	SLD 5	13921	48385	51997	2.5	18.15	Si
791	5X/2Y Ø8/14.4	875	-40930	SLD 15	12662	38145	45615	2.5	43.57	-2665	-54394	SLD 5	13901	33497	51975	2.5	12.57	Si
825	5X/2Y Ø8/14.4	875	-40778	SLD 15	12643	38145	45595	2.5	43.57	-2665	-54242	SLD 5	13880	33497	51954	2.5	12.57	Si
845	5X/2Y Ø8/14.4	888	-38816	SLD 15	12399	38145	45343	2.5	42.94	943	-48458	SLD 5	13089	33497	51136	2.5	35.52	Si
879	5X/2Y Ø8/14.4	888	-38664	SLD 15	12380	38145	45323	2.5	42.94	943	-48306	SLD 5	13069	33497	51115	2.5	35.52	Si
913	5X/2Y Ø8/10	888	-38512	SLD 15	12361	55098	45303	2.5	50.99	943	-48155	SLD 5	13048	48385	51093	2.5	51.31	Si
946	5X/2Y Ø8/10	888	-38360	SLD 15	12342	55098	45284	2.5	50.97	943	-48003	SLD 5	13027	48385	51072	2.5	51.31	Si
980	5X/2Y Ø8/10	888	-38210	SLD 15	12324	55098	45265	2.5	50.95	943	-47853	SLD 5	13007	48385	51050	2.5	51.31	Si
1000	4X/2Y Ø8/10	-947	-39987	SLD 1	12545	44078	45493	2.5	46.56	-3361	-41378	SLD 5	12122	48385	50135	2.5	14.4	Si
1034	4X/2Y Ø8/10	-947	-39835	SLD 1	12526	44078	45474	2.5	46.56	-3361	-41226	SLD 5	12101	48385	50114	2.5	14.4	Si
1068	4X/2Y Ø8/10	-947	-39684	SLD 1	12507	44078	45454	2.5	46.56	-3361	-41074	SLD 5	12080	48385	50092	2.5	14.4	Si
1101	4X/2Y Ø8/14.4	-947	-39532	SLD 1	12488	30516	45435	2.5	32.23	-3361	-40923	SLD 5	12060	33497	50071	2.5	9.97	Si
1135	4X/2Y Ø8/14.4	-947	-39380	SLD 1	12469	30516	45415	2.5	32.23	-3361	-40771	SLD 5	12039	33497	50049	2.5	9.97	Si
1155	4X/2Y Ø8/14.4	876	-27612	SLD 11	11004	30516	43900	2.5	34.85	-1013	-27612	SLD 11	10241	33497	48189	2.5	33.05	Si
1189	4X/2Y Ø8/14.4	876	-27460	SLD 11	10985	30516	43880	2.5	34.85	-1013	-27460	SLD 11	10220	33497	48167	2.5	33.05	Si
1223	4X/2Y Ø8/10	876	-27308	SLD 11	10966	44078	43861	2.5	50.09	-1013	-27308	SLD 11	10199	48385	48146	2.5	47.51	Si
1256	4X/2Y Ø8/10	876	-27156	SLD 11	10947	44078	43841	2.5	50.07	-1013	-27156	SLD 11	10178	48385	48124	2.5	47.49	Si
1290	4X/2Y Ø8/10	876	-27007	SLD 11	10929	44078	43822	2.5	50.05	-1013	-27007	SLD 11	10158	48385	48103	2.5	47.47	Si
1310	4X/2Y Ø8/10	-1126	-26762	SLD 1	10898	44078	43790	2.5	38.88	-3357	-27672	SLD 5	10249	48385	48197	2.5	14.36	Si
1344	4X/2Y Ø8/10	-1126	-26610	SLD 1	10879	44078	43771	2.5	38.86	-3357	-27520	SLD 5	10228	48385	48176	2.5	14.35	Si
1378	4X/2Y Ø8/10	-1126	-26458	SLD 1	10861	44078	43751	2.5	38.84	-3357	-27368	SLD 5	10207	48385	48154	2.5	14.34	Si
1411	4X/2Y Ø8/14.4	-1126	-26307	SLD 1	10842	30516	43732	2.5	27.09	-3357	-27216	SLD 5	10186	33497	48133	2.5	9.98	Si
1445	4X/2Y Ø8/14.4	-1126	-26155	SLD 1	10823	30516	43712	2.5	27.09	-3357	-27065	SLD 5	10166	33497	48111	2.5	9.98	Si
1465	4X/2Y Ø8/14.4	1129	-18075	SLD 11	9817	30516	42671	2.5	27.03	-927	-18075	SLD 11	8937	33497	46840	2.5	36.15	Si
1499	4X/2Y Ø8/14.4	1129	-17923	SLD 11	9798	30516	42652	2.5	27.03	-927	-17923	SLD 11	8916	33497	46819	2.5	36.15	Si
1533	4X/2Y Ø8/10	1129	-17771	SLD 11	9779	44078	42632	2.5	37.76	-927	-17771	SLD 11	8896	48385	46798	2.5	50.51	Si
1566	4X/2Y Ø8/10	1129	-17619	SLD 11	9760	44078	42613	2.5	37.75	-927	-17619	SLD 11	8875	48385	46776	2.5	50.49	Si
1600	4X/2Y Ø8/10	1129	-17469	SLD 11	9741	44078	42593	2.5	37.73	-927	-17469	SLD 11	8854	48385	46755	2.5	50.46	Si
1620	4X/2Y Ø8/10	-838	-13434	SLD 1	9239	44078	42074	2.5	50.23	-2948	-13897	SLD 5	8366	48385	46250	2.5	15.69	Si
1654	4X/2Y Ø8/10	-838	-13282	SLD 1	9220	44078	42054	2.5	50.21	-2948	-13745	SLD 5	8345	48385	46228	2.5	15.68	Si
1688	4X/2Y Ø8/10	-838	-13130	SLD 1	9201	44078	42035	2.5	50.19	-2948	-13594	SLD 5	8325	48385	46207	2.5	15.67	Si
1721	4X/2Y Ø8/14.4	-838	-12978	SLD 1	9182	30516	42015	2.5	36.43	-2948	-13442	SLD 5	8304	33497	46185	2.5	11.36	Si
1755	4X/2Y Ø8/14.4	-838	-12829	SLD 1	9164	30516	41996	2.5	36.43	-2948	-13292	SLD 5	8284	33497	46164	2.5	11.36	Si
1775	4X/2Y Ø8/14.4	-532	-7295	SLD 1	8475	30516	41283	2.5	57.32	-642	-7451	SLD 11	7485	33497	45339	2.5	52.14	Si
1809	4X/2Y Ø8/14.4	-532	-7143	SLD 1	8456	30516	41263	2.5	57.32	-642	-7300	SLD 11	7465	33497	45317	2.5	52.14	Si
1843	4X/2Y Ø8/10	-532	-6992	SLD 1	8437	44078	41244	2.5	77.47	-642	-7148	SLD 11	7444	48385	45296	2.5	70.51	Si
1876	4X/2Y Ø8/10	-532	-6840	SLD 1	8418	44078	41224	2.5	77.43	-642	-6996	SLD 11	7423	48385	45274	2.5	70.47	Si
1910	4X/2Y Ø8/10	-532	-6690	SLD 1	8399	44078	41205	2.5	77.4	-642	-6846	SLD 11	7403	48385	45253	2.5	70.44	Si
1930	2X/2Y Ø8/10	228	-2723	SLD 7	4122	22039	20522	2.5	89.81	-1126	-2926	SLD 5	4121	21832	20355	2.5	18.08	Si
1960	2X/2Y Ø8/10	228	-2655	SLD 7	4114	22039	20514	2.5	89.78	-1126	-2859	SLD 5	4113	21832	20347	2.5	18.07	Si
1990	2X/2Y Ø8/10	228	-2588	SLD 7	4105	22039	20505	2.5	89.74	-1126	-2791	SLD 5	4104	21832	20338	2.5	18.06	Si
2020	2X/2Y Ø8/10	228	-2520	SLD 7	4097	22039	20496	2.5	89.7	-1126	-2724	SLD 5	4096	21832	20329	2.5	18.05	Si
2050	2X/2Y Ø8/10	228	-2453	SLD 7	4089	22039	20488	2.5	89.66	-1126	-2656	SLD 5	4088	21832	20321	2.5	18.05	Si
2080	2X/2Y Ø8/10	228	-2385	SLD 7	4080	22039	20479	2.5	89.62	-1126	-2589	SLD 5	4079	21832	20312	2.5	18.04	Si
2110	2X/2Y Ø8/10	228	-2318	SLD 7	4072	22039	20470	2.5	89.59	-1126	-2521	SLD 5	4071	21832	20304	2.5	18.03	Si
2140	2X/2Y Ø8/10	228	-2250	SLD 7	4063	22039	20461	2.5	89.55	-1126	-2454	SLD 5	4063	21832	20295	2.5	18.02	Si
2170	2X/2Y Ø8/10	228	-2183	SLD 7	4055	22039	20453	2.5	89.51	-1126	-2386	SLD 5	4055	21832	20286	2.5	18.01	Si
2200	2X/2Y Ø8/10	228	-2116	SLD 7	4047	22039	20444	2.5	89.47	-1126	-2320	SLD 5	4046	21832	20278	2.5	18.01	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	363629	99141	-82714	SLE RA 7	-65.7	343511	72846	-87818	SLE RA 13	-891.9	Si
-111	306014	79852	-82586	SLE RA 7	-61.1	287805	57186	-87689	SLE RA 13	-844.6	Si
-82	247392	60224	-82455	SLE RA 7	-56.5	231125	41252	-87558	SLE RA 13	-796.4	Si
-53	174445	25319	-87427	SLE RA 13	-52.2	174445	25319	-87427	SLE RA 13	-748.3	Si
-24	117765	9385	-87297	SLE RA 13	-48	117765	9385	-87297	SLE RA 13	-700.2	Si
5	61085	-6548	-87166	SLE RA 13	-45	61085	-6548	-87166	SLE RA 13	-663.6	Si
35	-10390	-25642	-87323	SLE RA 12	-44.4	-10390	-25642	-87323	SLE RA 12	-652	Si
64	-58283	-34587	-87192	SLE RA 12	-47.4	-58283	-34587	-87192	SLE RA 12	-687	Si
93	-108954	-54348	-86773	SLE RA 13	-51.4	-108954	-54348	-86773	SLE RA 13	-731	Si
122	-165634	-70282	-86642	SLE RA 13	-55.5	-165634	-70282	-86642	SLE RA 13	-777.3	Si
151	-222314	-86215	-86511	SLE RA 13	-59.6	-222314	-86215	-86511	SLE RA 13	-823.6	Si
180	-278020	-101875	-86382	SLE RA 13	-63.6	-278020	-101875	-86382	SLE RA 13	-869	Si
200	-83733	45844	-82411	SLE RA 12	-47.4	-83733	45844	-82411	SLE RA 12	-677.6	Si
232	-50383	50386	-82270	SLE RA 12	-46.1	-74807	39861	-81692	SLE RA 13	-662	Si
264	-44887	48914	-81548	SLE RA 13	-45.4	-44887	48914	-81548	SLE RA 13	-651.5	Si
296	17374	59615	-81982	SLE RA 12	-45.3	17374	59615	-81982	SLE RA 12	-648	Si
328	51252	64230	-81838	SLE RA 12	-47.2	51252	64230	-81838	SLE RA 12	-670.8	Si
360	84601	68772	-81696	SLE RA 12	-49.2	84601	68772	-81696	SLE RA 12	-693.3	Si
380	141810	-50587	-74891	SLE RA 12	-47	141810	-50587	-74891	SLE RA 12	-662.1	Si
414	94957	-55841	-74741	SLE RA 12	-45.2	94957	-55841	-74741	SLE RA 12	-638.3	Si
448	47401	-61175	-74589	SLE RA 12	-43.3	47401	-61175	-74589	SLE RA 12	-614.1	Si
481	-17447	-81852	-73912	SLE RA 13	-43.5	-17447	-81852	-73912	SLE RA 13	-610.1	Si
515	-58710	-97235	-73760	SLE RA 13	-46.8	-58710	-97235	-73760	SLE RA 13	-646.7	Si
535	158354	89121	-69783	SLE RA 12	-48.9	158354	89121	-69783	SLE RA 12	-669.4	Si
569	167837	102817	-69631	SLE RA 12	-50.5	167837	102817	-69631	SLE RA 12	-685.9	Si
603	177320	116514	-69479	SLE RA 12	-52.1	177320	116514	-69479	SLE RA 12	-702.5	Si
636	186803	130210	-69327	SLE RA 12	-53.7	186803	130210	-69327	SLE RA 12	-719.1	Si
670	196145	143703	-69177	SLE RA 12	-55.4	196145	143703	-69177	SLE RA 12	-735.4	Si
690	-91199	-117958	-54881	SLE RA 12	-41.2	-104690	-112892	-54425	SLE RA 13	-549.4	Si
724	-122409	-117139	-54729	SLE RA 12	-42.6	-122409	-117139	-54729	SLE RA 12	-565.7	Si
758	-153618	-116320	-54577	SLE RA 12	-43.9	-153618	-116320	-54577	SLE RA 12	-582.1	Si
791	-184827	-115501	-54425	SLE RA 12	-45.2	-184827	-115501	-54425	SLE RA 12	-598.5	Si
825	-216036	-114682	-54273	SLE RA 12	-46.5	-216036	-114682	-54273	SLE RA 12	-615	Si
845	9668	54531	-49659	SLE RA 12	-29.1	9668	54531	-49659	SLE RA 12	-408.3	Si
879	19779	61783	-49508	SLE RA 12	-30.1	19779	61783	-49508	SLE RA 12	-419.5	Si
913	29890	69034	-49356	SLE RA 12	-31.2	29890	69034	-49356	SLE RA 12	-430.8	Si
946	40001	76286	-49204	SLE RA 12	-32.3	40001	76286	-49204	SLE RA 12	-442	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
980	49963	83430	-49054	SLE RA 12	-33.3	49963	83430	-49054	SLE RA 12	-453.1	Si
1000	119966	-46841	-41902	SLE RA 12	-29.9	119966	-46841	-41902	SLE RA 12	-410.6	Si
1034	54530	-58312	-41750	SLE RA 12	-27.8	54530	-58312	-41750	SLE RA 12	-381.4	Si
1068	-10907	-69783	-41598	SLE RA 12	-26.7	-10907	-69783	-41598	SLE RA 12	-365	Si
1101	-76344	-81254	-41446	SLE RA 12	-30.8	-76344	-81254	-41446	SLE RA 12	-412.3	Si
1135	-141781	-92724	-41294	SLE RA 12	-34.8	-141781	-92724	-41294	SLE RA 12	-459.5	Si
1155	90500	83473	-36170	SLE RA 13	-29.1	90500	83473	-36170	SLE RA 13	-384.8	Si
1189	69898	82720	-36225	SLE RA 12	-28.1	69898	82720	-36225	SLE RA 12	-372.5	Si
1223	54259	82062	-36073	SLE RA 12	-27.2	54259	82062	-36073	SLE RA 12	-361.7	Si
1256	38620	81404	-35921	SLE RA 12	-26.4	38620	81404	-35921	SLE RA 12	-350.9	Si
1290	23213	80756	-35771	SLE RA 12	-25.5	23213	80756	-35771	SLE RA 12	-340.3	Si
1310	94963	-56596	-28496	SLE RA 12	-23.2	94963	-56596	-28496	SLE RA 12	-308.9	Si
1344	26494	-72754	-28344	SLE RA 12	-21.4	26494	-72754	-28344	SLE RA 12	-282.1	Si
1378	-41975	-88912	-28192	SLE RA 12	-23.5	-41975	-88912	-28192	SLE RA 12	-304.3	Si
1411	-110444	-105070	-28040	SLE RA 12	-28.2	-110444	-105070	-28040	SLE RA 12	-357.5	Si
1445	-178913	-121228	-27888	SLE RA 12	-32.8	-178913	-121228	-27888	SLE RA 12	-410.7	Si
1465	64864	61106	-22717	SLE RA 13	-19.5	64864	61106	-22717	SLE RA 13	-254.1	Si
1499	49178	65649	-22565	SLE RA 13	-19.1	49178	65649	-22565	SLE RA 13	-247.8	Si
1533	33407	70306	-22516	SLE RA 12	-18.7	33407	70306	-22516	SLE RA 12	-242.4	Si
1566	20350	75549	-22364	SLE RA 12	-18.5	20350	75549	-22364	SLE RA 12	-238.3	Si
1600	7485	80714	-22214	SLE RA 12	-18.3	7485	80714	-22214	SLE RA 12	-234.3	Si
1620	87633	-65293	-14861	SLE RA 12	-17.2	87633	-65293	-14861	SLE RA 12	-215	Si
1654	35976	-71646	-14709	SLE RA 12	-15.3	35976	-71646	-14709	SLE RA 12	-189.3	Si
1688	-15682	-77999	-14557	SLE RA 12	-14.8	-15682	-77999	-14557	SLE RA 12	-182	Si
1721	-67339	-84353	-14405	SLE RA 12	-17.8	-67339	-84353	-14405	SLE RA 12	-216.7	Si
1755	-118231	-90612	-14256	SLE RA 12	-20.7	-118231	-90612	-14256	SLE RA 12	-250.9	Si
1775	127373	84025	-9337	SLE RA 13	-18.2	127373	84025	-9337	SLE RA 13	-215.3	Si
1809	116495	80532	-9185	SLE RA 13	-17.3	116495	80532	-9185	SLE RA 13	-204.8	Si
1843	105617	77039	-9033	SLE RA 13	-16.3	105617	77039	-9033	SLE RA 13	-194.3	Si
1876	94064	73864	-8896	SLE RA 12	-15.4	94739	73546	-8881	SLE RA 13	-183.8	Si
1910	85289	70397	-8746	SLE RA 12	-13.2	85289	70397	-8746	SLE RA 12	-155.7	Si
1930	109148	-11317	-3506	SLE RA 12	-37.4	109148	-11317	-3506	SLE RA 12	481	Si
1960	75072	-10071	-3438	SLE RA 12	-20.5	75072	-10071	-3438	SLE RA 12	-216.3	Si
1990	40996	-8826	-3371	SLE RA 12	-12.5	40996	-8826	-3371	SLE RA 12	-137.3	Si
2020	6920	-7581	-3303	SLE RA 12	-5.7	6318	-7334	-3418	SLE RA 8	-71.6	Si
2050	-27004	-6135	-3351	SLE RA 8	-9.3	-27004	-6135	-3351	SLE RA 8	-106.7	Si
2080	-61233	-5090	-3168	SLE RA 12	-15.5	-61233	-5090	-3168	SLE RA 12	-165.4	Si
2110	-95309	-3845	-3101	SLE RA 12	-34.3	-95309	-3845	-3101	SLE RA 12	641.6	Si
2140	-129385	-2599	-3033	SLE RA 12	-45.9	-129385	-2599	-3033	SLE RA 12	966.6	Si
2170	-163461	-1354	-2966	SLE RA 12	-57.4	-163461	-1354	-2966	SLE RA 12	1292.6	Si
2200	-196969	-129	-2899	SLE RA 12	-68.6	-196969	-129	-2899	SLE RA 12	1613.7	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	213895	18501	-76157	SLE QP 2	-48.1	Si
-111	176404	12031	-76029	SLE QP 2	-45.6	Si
-82	138258	5448	-75898	SLE QP 2	-43.2	Si
-53	100112	-1135	-75767	SLE QP 2	-40.9	Si
-24	61967	-7719	-75636	SLE QP 2	-39.6	Si
5	23821	-14302	-75505	SLE QP 2	-38.4	Si
35	-14325	-20885	-75374	SLE QP 2	-38.5	Si
64	-52471	-27468	-75243	SLE QP 2	-40.8	Si
93	-90617	-34052	-75112	SLE QP 2	-43.1	Si
122	-128763	-40635	-74981	SLE QP 2	-45.5	Si
151	-166909	-47218	-74850	SLE QP 2	-47.8	Si
180	-204399	-53688	-74722	SLE QP 2	-50.1	Si
200	-72704	37199	-71336	SLE QP 2	-40.8	Si
232	-43658	41969	-71194	SLE QP 2	-39.8	Si
264	-14150	46814	-71050	SLE QP 2	-38.8	Si
296	15357	51659	-70906	SLE QP 2	-39.2	Si
328	44865	56504	-70762	SLE QP 2	-41	Si
360	73911	61273	-70620	SLE QP 2	-42.7	Si
380	120692	-47936	-64390	SLE QP 2	-40.7	Si
414	81687	-50144	-64240	SLE QP 2	-39	Si
448	42096	-52385	-64088	SLE QP 2	-37.3	Si
481	2504	-54626	-63936	SLE QP 2	-35.5	Si
515	-37087	-56867	-63784	SLE QP 2	-37.3	Si
535	127986	71402	-60186	SLE QP 2	-41.2	Si
569	136661	83576	-60034	SLE QP 2	-42.7	Si
603	145337	95750	-59882	SLE QP 2	-44.1	Si
636	154013	107924	-59730	SLE QP 2	-45.6	Si
670	162560	119917	-59581	SLE QP 2	-47	Si
690	-75454	-101469	-47162	SLE QP 2	-35.3	Si
724	-100705	-98482	-47010	SLE QP 2	-36.1	Si
758	-125957	-95494	-46858	SLE QP 2	-37	Si
791	-151208	-92507	-46706	SLE QP 2	-37.8	Si
825	-176459	-89519	-46554	SLE QP 2	-38.7	Si
845	4563	45283	-42875	SLE QP 2	-24.8	Si
879	13781	52179	-42724	SLE QP 2	-25.8	Si
913	22999	59076	-42572	SLE QP 2	-26.7	Si
946	32218	65973	-42420	SLE QP 2	-27.7	Si
980	41300	72768	-42270	SLE QP 2	-28.7	Si
1000	98684	-45998	-35751	SLE QP 2	-25.9	Si
1034	45486	-53058	-35599	SLE QP 2	-23.9	Si
1068	-7712	-60117	-35447	SLE QP 2	-22.7	Si
1101	-60910	-67177	-35295	SLE QP 2	-25.8	Si
1135	-114108	-74236	-35143	SLE QP 2	-28.9	Si
1155	67614	65993	-31226	SLE QP 2	-24.1	Si
1189	55192	67328	-31074	SLE QP 2	-23.6	Si
1223	42769	68662	-30922	SLE QP 2	-23	Si
1256	30347	69997	-30770	SLE QP 2	-22.5	Si
1290	18109	71312	-30621	SLE QP 2	-22	Si
1310	76753	-53819	-23997	SLE QP 2	-20	Si
1344	21682	-64179	-23845	SLE QP 2	-18.2	Si
1378	-33389	-74539	-23693	SLE QP 2	-19.7	Si
1411	-88460	-84899	-23541	SLE QP 2	-23.2	Si
1445	-143531	-95258	-23389	SLE QP 2	-26.6	Si
1465	46837	48464	-19362	SLE QP 2	-15.9	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
1499	36635	54341	-19210	SLE QP 2	-15.8	Si
1533	26434	60218	-19058	SLE QP 2	-15.8	Si
1566	16233	66094	-18906	SLE QP 2	-15.8	Si
1600	6182	71884	-18757	SLE QP 2	-15.8	Si
1620	71602	-60329	-12069	SLE QP 2	-14.7	Si
1654	29843	-63373	-11917	SLE QP 2	-12.9	Si
1688	-11916	-66417	-11765	SLE QP 2	-12.2	Si
1721	-53675	-69461	-11613	SLE QP 2	-14.4	Si
1755	-94815	-72459	-11464	SLE QP 2	-16.6	Si
1775	95477	65675	-7580	SLE QP 2	-14.1	Si
1809	88776	63798	-7428	SLE QP 2	-13.6	Si
1843	82075	61921	-7276	SLE QP 2	-13	Si
1876	75373	60044	-7124	SLE QP 2	-12.5	Si
1910	68771	58195	-6975	SLE QP 2	-10.7	Si
1930	86433	-8842	-2857	SLE QP 2	-29.6	Si
1960	59445	-7864	-2790	SLE QP 2	-16.3	Si
1990	32456	-6886	-2722	SLE QP 2	-9.9	Si
2020	5468	-5908	-2655	SLE QP 2	-4.5	Si
2050	-21520	-4930	-2587	SLE QP 2	-7.4	Si
2080	-48509	-3953	-2520	SLE QP 2	-12.3	Si
2110	-75497	-2975	-2452	SLE QP 2	-17.2	Si
2140	-102486	-1997	-2385	SLE QP 2	-36.3	Si
2170	-129474	-1019	-2317	SLE QP 2	-45.4	Si
2200	-156013	-58	-2251	SLE QP 2	-54.3	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

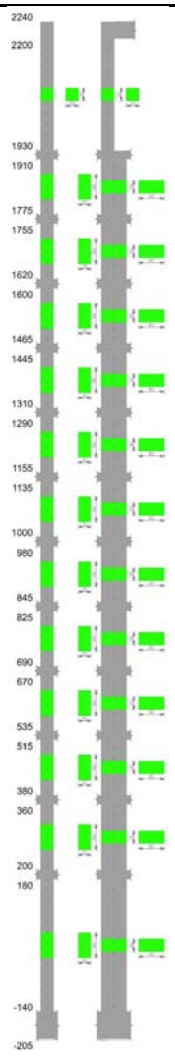
Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1145 in quanto nodo interno a piastra.
per il nodo Appoggio 190 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 2220 in quanto elemento di estremità superiore alla pilastrata.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 835 in quanto nodo interno a piastra.
per il nodo Appoggio 1455 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 525 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 1765 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.

Pilastro 23

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	180	R 30x60	No	No	No	No		C30/37	B450C	
200	360	R 30x60	No	No	No	No		C30/37	B450C	
380	515	R 30x60	No	No	No	No		C30/37	B450C	
535	670	R 30x60	No	No	No	No		C30/37	B450C	
690	825	R 30x60	No	No	No	No		C30/37	B450C	
845	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1135	R 30x60	No	No	No	No		C30/37	B450C	
1155	1290	R 30x60	No	No	No	No		C30/37	B450C	
1310	1445	R 30x60	No	No	No	No		C30/37	B450C	
1465	1600	R 30x60	No	No	No	No		C30/37	B450C	
1620	1755	R 30x60	No	No	No	No		C30/37	B450C	
1775	1910	R 30x60	No	No	No	No		C30/37	B450C	
1930	2200	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.5	-9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.6	-9.67	-24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.67	-24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.67	24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.67	24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.9	-12.85	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.9	0	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.9	12.85	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.9	-12.85	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.9	0	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.9	12.85	1.6	2.011	1310	1620	R 30x60	B450C
p.7	-9.67	-24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.7	9.67	-24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.8	9.67	24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.8	-9.67	24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.7	-9.9	-12.85	1.6	2.011	1620	1910	R 30x60	B450C
p.7	9.9	-12.85	1.6	2.011	1620	1910	R 30x60	B450C
p.10	-9.9	0	1.6	2.011	1620	1910	R 30x60	B450C
p.10	-9.9	12.85	1.6	2.011	1620	1910	R 30x60	B450C
p.10	9.9	0	1.6	2.011	1620	1910	R 30x60	B450C
p.10	9.9	12.85	1.6	2.011	1620	1910	R 30x60	B450C
p.15	-9.67	-24.67	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.15	9.67	-24.67	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.15	9.67	-5.33	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.15	-9.67	-5.33	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.16	-9.9	-15	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.16	9.9	-15	1.6	2.011	1930.1	2240	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	477961	-245654	-122827	1195262	-614320	SLU 52	2.501	Si
-111	20.11	2.2	0	1,2	412193	-245320	-122660	1050750	-625361	SLU 52	2.549	Si
-82	20.11	1.1	0	2	345275	244979	-122490	895475	635356	SLU 52	2.594	Si
-53	20.11	1.1	0	2	278357	244639	-122319	732590	643850	SLU 52	2.632	Si
-24	20.11	1.1	0	2	245072	-245072	-122536	647491	-647491	SLU 51	2.642	Si
5	20.11	1.1	0	2	244731	244731	-122366	647491	647491	SLU 51	2.646	Si
35	20.11	1.1	0	2	244391	244391	-122195	647491	647491	SLU 51	2.649	Si
64	20.11	1.1	0	2	244050	244050	-122025	647491	647491	SLU 51	2.653	Si
93	20.11	1.1	0	2	-243710	243710	-121855	-647491	647491	SLU 51	2.657	Si
122	20.11	1.1	0	2	-243370	243370	-121685	-647491	647491	SLU 51	2.661	Si
151	20.11	1.1	0	2	-243029	243029	-121515	-647491	647491	SLU 51	2.664	Si
180	20.11	1.1	0	2	-242695	242695	-121347	-647491	647491	SLU 51	2.668	Si
200	20.11	1.1	0	2	-242152	-242152	-121076	-647491	-647491	SLU 51	2.674	Si
232	20.11	1.1	0	2	-241783	-241783	-120892	-647491	-647491	SLU 51	2.678	Si
264	20.11	1.1	0	2	241409	-241409	-120704	647491	-647491	SLU 51	2.682	Si
296	20.11	1.1	0	2	241034	-241034	-120517	647491	-647491	SLU 51	2.686	Si
328	20.11	1.1	0	2	240660	-240660	-120330	647491	-647491	SLU 51	2.69	Si
360	20.11	1.1	0	2	311288	-240291	-120146	827905	-639081	SLU 51	2.66	Si
380	20.11	2.2	0	2,3	206699	206699	-103350	647491	647491	SLU 51	3.133	Si
414	20.11	2.2	0	2,3	-206310	206310	-103155	-647491	647491	SLU 51	3.138	Si
448	20.11	1.1	0	3	-205915	205915	-102958	-647491	647491	SLU 51	3.144	Si
481	20.11	1.1	0	3	-205520	205520	-102760	-647491	647491	SLU 51	3.15	Si
515	20.11	1.1	0	3	-205126	205126	-102563	-647491	647491	SLU 51	3.157	Si
535	20.11	1.1	0	3	195016	-195016	-97508	647491	-647491	SLU 51	3.32	Si
569	20.11	1.1	0	3	194621	-194621	-97311	647491	-647491	SLU 51	3.327	Si
603	20.11	1.1	0	3	194227	-194227	-97113	647491	-647491	SLU 51	3.334	Si
636	20.11	1.1	0	3	193832	-193832	-96916	647491	-647491	SLU 51	3.34	Si
670	20.11	1.1	0	3	-193443	-193443	-96721	-647491	-647491	SLU 51	3.347	Si
690	20.11	2.2	0	3,4	174149	174149	-87075	647491	647491	SLU 51	3.718	Si
724	20.11	2.2	0	3,4	173754	173754	-86877	647491	647491	SLU 51	3.726	Si
758	20.11	1.1	0	4	173359	173359	-86680	647491	647491	SLU 51	3.735	Si
791	20.11	1.1	0	4	-172965	172965	-86482	-647491	647491	SLU 51	3.743	Si
825	20.11	1.1	0	4	-172576	172576	-86288	-647491	647491	SLU 51	3.752	Si
845	20.11	1.1	0	4	239629	-161204	-80602	940680	-632817	SLU 51	3.926	Si
879	20.11	1.1	0	4	219170	-160815	-80408	867976	-636874	SLU 51	3.96	Si
913	20.11	1.1	0	4	198403	-160420	-80210	792783	-641011	SLU 51	3.996	Si
946	20.11	1.1	0	4	177636	-160025	-80013	715530	-644594	SLU 51	4.028	Si
980	20.11	1.1	0	4	159630	-159630	-79815	647491	-647491	SLU 51	4.056	Si
1000	20.11	2.2	0	4,5	-142938	141596	-62676	-719474	712718	SLU 51	5.033	Si
1034	20.11	2.2	0	4,5	-157884	134808	-62481	-799229	682413	SLU 51	5.062	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1068	20.11	1.1	0	5	-173056	127918	-62284	-880084	650534	SLU 51	5.086	Si
1101	20.11	1.1	0	5	-188227	124173	-62086	-957762	631833	SLU 51	5.088	Si
1135	20.11	1.1	0	5	-203398	123778	-61889	-1030093	626863	SLU 51	5.064	Si
1155	20.11	1.1	0	5	111781	-118826	-55482	644972	-685626	SLU 51	5.77	Si
1189	20.11	1.1	0	5	110570	-112053	-55285	646146	-654811	SLU 51	5.844	Si
1223	20.11	1.1	0	5	110175	-110175	-55088	647491	-647491	SLU 51	5.877	Si
1256	20.11	1.1	0	5	-109780	-109780	-54890	-647491	-647491	SLU 51	5.898	Si
1290	20.11	1.1	0	5	-109385	-109385	-54693	-647491	-647491	SLU 51	5.919	Si
1310	20.11	2.2	0	5,6	89314	89314	-44657	647491	647491	SLU 51	7.25	Si
1344	20.11	2.2	0	5,6	88568	96226	-44284	638916	694162	SLU 52	7.214	Si
1378	20.11	1.1	0	6	-88530	101160	-44265	-633199	723533	SLU 51	7.152	Si
1411	20.11	1.1	0	6	-88135	108833	-44068	-623795	770289	SLU 51	7.078	Si
1445	20.11	1.1	0	6	-87740	116506	-43870	-614458	815910	SLU 51	7.003	Si
1465	20.11	1.1	0	6	288793	-126294	-37208	1874702	-819839	SLU 51	6.492	Si
1499	20.11	1.1	0	6	235329	-129976	-37014	1607871	-888055	SLU 51	6.832	Si
1533	20.11	1.1	0	6	181060	-133713	-36816	1295668	-956854	SLU 51	7.156	Si
1566	20.11	1.1	0	6	126792	-137451	-36619	944597	-1024006	SLU 51	7.45	Si
1600	20.11	1.1	0	6	72843	-141188	-36421	557027	-1079663	SLU 51	7.647	Si
1620	20.11	2.2	0	6,7,8,10	-222435	84071	-19434	-2236249	845212	SLU 52	10.054	Si
1654	20.11	2.2	0	6,7,8,10	-198339	91439	-19323	-2044036	942348	SLU 51	10.306	Si
1688	20.11	1.1	0	7,8,10	-173059	102225	-19126	-1806540	1067109	SLU 51	10.439	Si
1721	20.11	1.1	0	7,8,10	-147779	113010	-18928	-1556141	1190018	SLU 51	10.53	Si
1755	20.11	1.1	0	7,8,10	-122499	123796	-18731	-1295314	1309026	SLU 51	10.574	Si
1775	20.11	1.1	0	7,8,10	247061	-136727	-11440	1924027	-1064783	SLU 52	7.788	Si
1809	20.11	1.1	0	7,8,10	196056	-112063	-11242	1945923	-1112262	SLU 52	9.925	Si
1843	20.11	1.1	0	7,8,10	145052	-87399	-11045	1911567	-1151792	SLU 52	13.179	Si
1876	20.11	1.1	0	7,8,10	94048	-62736	-10847	1699698	-1133805	SLU 52	18.073	Si
1910	39.29	3.1	0	7,8,9,10,11,12,13,14	43799	-38437	-10653	1331613	-1168605	SLU 52	30.403	Si
1930	12.17	2.2	0	7,9,11,12,13,14	62520	54893	-4304	552798	485360	SLU 51	8.842	Si
1960	7.38	3.6	0	7,9,11,12,13,14,15,16	32308	49178	-4216	361658	550506	SLU 51	11.194	Si
1990	12.06	1.3	0	15,16	8257	43463	-4129	166385	875797	SLU 51	20.15	Si
2020	12.06	1.3	0	15,16	-28116	37749	-4041	-467545	627718	SLU 51	16.629	Si
2050	12.06	1.3	0	15,16	-58329	32034	-3953	-648580	356196	SLU 51	11.119	Si
2080	12.06	1.3	0	15,16	-88541	26319	-3865	-694410	206414	SLU 51	7.843	Si
2110	12.06	1.3	0	15,16	-118753	20604	-3778	-679824	117951	SLU 51	5.725	Si
2140	12.06	1.3	0	15,16	-148965	14889	-3690	-664939	66461	SLU 51	4.464	Si
2170	12.06	1.3	0	15,16	-179177	9174	-3602	-643130	32930	SLU 51	3.589	Si
2200	12.06	1.3	0	15,16	-208886	7032	-3516	-624054	21007	SLU 51	2.988	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	836303	-265511	-104038	-2.02	1.92	1696379	-538569	SLV 9	2.028				Si
-111	20.11	2.2	0	1,2	754765	-237812	-103909	-2.02	1.92	1618166	-509854	SLV 9	2.144				Si
-82	20.11	1.1	0	2	671791	-210004	-103779	-2.02	1.92	1523036	-476106	SLV 9	2.267				Si
-53	20.11	1.1	0	2	588803	-182750	-103648	-2.02	1.92	1410237	-437702	SLV 9	2.395				Si
-24	20.11	1.1	0	2	505795	-156337	-103517	-2.02	1.92	1279854	-395592	SLV 9	2.53				Si
5	20.11	1.1	0	2	552927	138591	-95636	-2.02	1.92	1462180	366496	SLV 5	2.644				Si
35	20.11	1.1	0	2	449691	120926	-95506	-2.02	1.92	1266544	340586	SLV 5	2.816				Si
64	20.11	1.1	0	2	346891	32733	-103124	-2.02	1.92	1042278	98350	SLV 9	3.005				Si
93	20.11	1.1	0	2	244888	37785	-102993	-2.02	1.92	775592	119669	SLV 9	3.167				Si
122	20.11	1.1	0	2	144467	48819	-102862	-2.02	1.92	462451	156273	SLV 9	3.201				Si
151	20.11	1.1	0	2	47771	64960	-102731	-2.02	1.92	153112	208206	SLV 9	3.205				Si
180	20.11	1.1	0	2	-38064	83075	-102603	-2.02	1.92	-122154	266601	SLV 9	3.209				Si
200	20.11	1.1	0	2	202578	-180859	-97671	-2.02	1.92	598597	-534420	SLV 9	2.955				Si
232	20.11	1.1	0	2	151148	-138996	-97529	-2.02	1.92	477224	-438856	SLV 9	3.157				Si
264	20.11	1.1	0	2	102417	-98701	-97385	-2.02	1.92	346077	-333520	SLV 9	3.379				Si
296	20.11	1.1	0	2	55463	-66055	-97241	-2.02	1.92	187803	-223670	SLV 9	3.386				Si
328	20.11	1.1	0	2	-20895	-66436	-97097	-2.02	1.92	-70859	-225295	SLV 9	3.391				Si
360	20.11	1.1	0	2	-70922	-88172	-96955	-2.02	1.92	-240859	-299442	SLV 9	3.396				Si
380	20.11	2.2	0	2,3	-135575	20381	-87146	-2.02	1.92	-512256	77008	SLV 9	3.778				Si
414	20.11	2.2	0	2,3	-116645	91263	-86996	-2.02	1.92	-433312	339024	SLV 9	3.715				Si
448	20.11	1.1	0	3	-110341	133118	-86844	-2.02	1.92	-392025	472949	SLV 9	3.553				Si
481	20.11	1.1	0	3	-24438	182393	-86692	-2.02	1.92	-85382	637253	SLV 9	3.494				Si
515	20.11	1.1	0	3	-24661	232960	-86541	-2.02	1.92	-81372	768673	SLV 9	3.3				Si
535	20.11	1.1	0	3	321452	-126138	-78146	-2.02	1.92	1106256	-434095	SLV 9	3.441				Si
569	20.11	1.1	0	3	196543	-97407	-77994	-2.02	1.92	753367	-373368	SLV 9	3.833				Si
603	20.11	1.1	0	3	77676	-61785	-77842	-2.02	1.92	328567	-261350	SLV 9	4.23				Si
636	20.11	1.1	0	3	-97465	-50739	-77690	-2.02	1.92	-413082	-215045	SLV 9	4.238				Si
670	20.11	1.1	0	3	-252993	-52667	-77540	-2.02	1.92	-987419	-205557	SLV 9	3.903				Si
690	20.11	2.2	0	3,4	-123450	-49043	-71589	-2.02	1.92	-566642	-225113	SLV 9	4.59				Si
724	20.11	2.2	0	3,4	-91942	21467	-71437	-2.02	1.92	-423778	98945	SLV 9	4.609				Si
758	20.11	1.1	0	4	-67970	60705	-71286	-2.02	1.92	-313953	280396	SLV 9	4.619				Si
791	20.11	1.1	0	4	37273	113832	-71134	-2.02	1.92	165823	506428	SLV 9	4.449				Si
825	20.11	1.1	0	4	38398	162767	-70984	-2.02	1.92	159238	674996	SLV 9	4.147				Si
845	20.11	1.1	0	4	407365	-200141	-62246	-2.02	1.92	1398853	-687266	SLV 9	3.434				Si
879	20.11	1.1	0	4	275297	-149125	-62096	-2.02	1.92	1104762	-598437	SLV 9	4.013				Si
913	20.11	1.1	0	4	161596	-97153	-61944	-2.02	1.92	754365	-453533	SLV 9	4.668				Si
946	20.11	1.1	0	4	-36354	-84919	-61792	-2.02	1.92	-190239	-444374	SLV 9	5.233				Si
980	20.11	1.1	0	4	374749	-153873	-34079	-2.02	1.92	1744950	-716483	SLV 7	4.656				Si
1000	20.11	2.2	0	4,5	-278742	59933	-47894	-2.02	1.92	-1490382	320452	SLV 5	5.347				Si
1034	20.11	2.2	0	4,5	-238825	114792	-47744	-2.02	1.92	-1217091	584999	SLV 5	5.096				Si
1068	20.11	1.1	0	5	-171808	106258	-51346	-2.02	1.92	-896500	554459	SLV 9	5.218				Si
1101	20.11	1.1	0	5	-157275	135853	-51194	-2.02	1.92	-792606	684650	SLV 9	5.04				Si
1135	20.11	1.1	0	5	-36615	172209	-51042	-2.02	1.92	-189465	891105	SLV 9	5.175				Si
1155	20.11	1.1	0	5	389981	-216132	-42086	-2.02	1.92	1506139	-834721	SLV 9	3.862				Si
1189	20.11	1.1	0	5	212189	-146992	-41934	-2.02	1.92	1123724	-778452	SLV 9	5.296				Si
1223	20.11	1.1	0	5	44454	-83145	-41783	-2.02	1.92	316317	-591631	SLV 9	7.116				Si
1256	20.11	1.1	0	5	-163106	19848	-41631	-2.02	1.92	-1164103	141660	SLV 9	7.137				Si
1290	20.11	1.1	0	5	240557	-210387	-24119	-2.02	1.92	1182324	-1034041	SLV 7	4.915				Si
1310	20.11	2.2	0	5,6	-198161	186494	-32877	-2.02	1.92	-1069424	1006459	SLV 5	5.397				Si
1344	20.11	2.2	0	5,6	-160069	142541	-32727	-2.02	1.92	-1018227	906731	SLV 5	6.361				Si
1378	20.11	1.1	0	6	-89938	113800	-35013	-2.02	1.92	-642499	812969	SLV 9	7.144				Si
1411	20.11	1.1	0	6	-77158	129917	-34861	-2.02	1.92	-538691	907036	SLV 9	6.982				Si
1445	20.11	1.1	0	6	73007	175661	-34709	-2.02	1.92	457065	1099737	SLV 9	6.261				Si
1465	20.11	1.1	0	6	466754	-219836	-26254	-2.02	1.92	1653421	-778743	SLV 9	3.542				Si
1499	20.11	1.1	0	6	321604	-158755	-26104	-2.02	1.92	1637156	-808160	SLV 9	5.091				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1533	20.11	1.1	0	6	204592	-105322	-25953	-2.02	1.92	1485877	-764918	SLV 9	7.263				Si
1566	20.11	1.1	0	6	164858	-161077	-17434	-2.02	1.92	1096280	-1071134	SLV 7	6.65				Si
1600	20.11	1.1	0	6	213958	-230157	-17282	-2.02	1.92	1005190	-1081295	SLV 7	4.698				Si
1620	20.11	2.2	0	6,7,8,10	-312979	188931	-14525	-2.02	1.92	-1414184	853679	SLV 5	4.518				Si
1654	20.11	2.2	0	6,7,8,10	-217835	161021	-15606	-2.02	1.92	-1298699	959979	SLV 9	5.962				Si
1688	20.11	1.1	0	7,8,10	-186099	152422	-15454	-2.02	1.92	-1225636	1003842	SLV 9	6.586				Si
1721	20.11	1.1	0	7,8,10	-155991	162797	-15302	-2.02	1.92	-1041809	1087265	SLV 9	6.679				Si
1755	20.11	1.1	0	7,8,10	93646	192055	-15151	-2.02	1.92	618123	1267687	SLV 9	6.601				Si
1775	20.11	1.1	0	7,8,10	503276	-167345	-5452	-2.02	1.92	1236761	-411237	SLV 9	2.457				Si
1809	20.11	1.1	0	7,8,10	377775	-115396	-5300	-2.02	1.92	1346047	-411165	SLV 9	3.563				Si
1843	20.11	1.1	0	7,8,10	270507	-125267	-5684	-2.02	1.92	1284047	-594617	SLV 5	4.747				Si
1876	20.11	1.1	0	7,8,10	126004	-133225	-6819	-2.02	1.92	977899	-1033939	SLV 1	7.761				Si
1910	39.29	3.1	0	7,8,9,10,11,12,13,14	202021	-106233	-7238	-2.02	1.92	1688680	-887995	SLV 3	8.359				Si
1930	12.17	2.2	0	7,9,11,12,13,14	-123965	58731	-1879	-2.02	1.92	-235706	111671	SLV 13	1.901				Si
1960	7.38	3.6	0	7,9,11,12,13,14,15,16	156500	83912	-3202	-2.02	1.92	268245	143828	SLV 7	1.714				Si
1990	12.06	1.3	0	15,16	109396	74362	-3135	-2.02	1.92	388066	263786	SLV 7	3.547				Si
2020	12.06	1.3	0	15,16	-95791	-22137	-1628	-2.02	1.92	-436474	-100868	SLV 9	4.557				Si
2050	12.06	1.3	0	15,16	-91309	-19058	-1560	-2.02	1.92	-441576	-92167	SLV 9	4.836				Si
2080	12.06	1.3	0	15,16	-93467	-31171	-1792	-2.02	1.92	-424478	-141563	SLV 5	4.541				Si
2110	12.06	1.3	0	15,16	-129750	-25012	-1725	-2.02	1.92	-428893	-82679	SLV 5	3.306				Si
2140	12.06	1.3	0	15,16	-170653	-18855	-1657	-2.02	1.92	-429974	-47507	SLV 5	2.52				Si
2170	12.06	1.3	0	15,16	-216173	-12703	-1590	-2.02	1.92	-429331	-25228	SLV 5	1.986				Si
2200	12.06	1.3	0	15,16	-262844	-6672	-1523	-2.02	1.92	-428625	-10881	SLV 5	1.631				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	459863	-109656	-86121	1394858	-332608	SLD 9	3.033	Si
-111	20.11	2.2	0	1,2	408945	-97267	-85992	1289563	-306721	SLD 9	3.153	Si
-82	20.11	1.1	0	2	357135	-84809	-85862	1173363	-278639	SLD 9	3.285	Si
-53	20.11	1.1	0	2	305323	-72569	-85731	1046776	-248798	SLD 9	3.428	Si
-24	20.11	1.1	0	2	253506	-60660	-85600	908359	-217354	SLD 9	3.583	Si
5	20.11	1.1	0	2	252886	56604	-82444	937347	209810	SLD 5	3.707	Si
35	20.11	1.1	0	2	149846	16682	-85338	578169	64365	SLD 9	3.858	Si
64	20.11	1.1	0	2	133472	18268	-85207	515785	70596	SLD 9	3.864	Si
93	20.11	1.1	0	2	74206	21833	-85076	287201	84500	SLD 9	3.87	Si
122	20.11	1.1	0	2	15630	27713	-84945	60587	107425	SLD 9	3.876	Si
151	20.11	1.1	0	2	-41306	35573	-84814	-160361	138102	SLD 9	3.882	Si
180	20.11	1.1	0	2	-93137	44166	-84686	-362131	171725	SLD 9	3.888	Si
200	20.11	1.1	0	2	7430	-75029	-82741	29566	-298576	SLD 9	3.98	Si
232	20.11	1.1	0	2	23136	-65178	-82600	92229	-259821	SLD 9	3.986	Si
264	20.11	1.1	0	2	41252	-56237	-82456	164732	-224571	SLD 9	3.993	Si
296	20.11	1.1	0	2	58623	-50578	-82312	234510	-202328	SLD 9	4	Si
328	20.11	1.1	0	2	61855	-57456	-82168	247872	-230241	SLD 9	4.007	Si
360	20.11	1.1	0	2	105950	-105789	-79539	418393	-417757	SLD 5	3.949	Si
380	20.11	2.2	0	2,3	-50595	49075	-72070	-231157	224210	SLD 9	4.569	Si
414	20.11	2.2	0	2,3	-60555	79329	-71920	-277217	363161	SLD 9	4.578	Si
448	20.11	1.1	0	3	-75689	93551	-71768	-336496	415907	SLD 9	4.446	Si
481	20.11	1.1	0	3	-49607	111604	-71616	-218613	491829	SLD 9	4.407	Si
515	20.11	1.1	0	3	-68494	130422	-71465	-290978	554059	SLD 9	4.248	Si
535	20.11	1.1	0	3	145407	-75384	-66509	671642	-348200	SLD 9	4.619	Si
569	20.11	1.1	0	3	91926	-62250	-66357	451821	-305960	SLD 9	4.915	Si
603	20.11	1.1	0	3	42047	-46042	-66205	209121	-228987	SLD 9	4.973	Si
636	20.11	1.1	0	3	-36591	-41074	-66054	-182400	-204751	SLD 9	4.985	Si
670	20.11	1.1	0	3	-101055	-41436	-65904	-504892	-207021	SLD 9	4.996	Si
690	20.11	2.2	0	3,4	-25299	462	-59840	-139209	2540	SLD 9	5.502	Si
724	20.11	2.2	0	3,4	-23884	29997	-59688	-131756	165479	SLD 9	5.516	Si
758	20.11	1.1	0	4	-25856	46001	-59537	-142997	254411	SLD 9	5.531	Si
791	20.11	1.1	0	4	14851	67755	-59385	82343	375680	SLD 9	5.545	Si
825	20.11	1.1	0	4	3977	87643	-59235	21916	483020	SLD 9	5.511	Si
845	20.11	1.1	0	4	241755	-126896	-53920	1119263	-587498	SLD 9	4.63	Si
879	20.11	1.1	0	4	183528	-104197	-53770	921918	-523415	SLD 9	5.023	Si
913	20.11	1.1	0	4	134177	-81280	-53618	730684	-442624	SLD 9	5.446	Si
946	20.11	1.1	0	4	58349	-87506	-52027	343101	-514545	SLD 5	5.88	Si
980	20.11	1.1	0	4	201104	-101545	-42405	1167360	-589444	SLD 7	5.805	Si
1000	20.11	2.2	0	4,5	-160307	71225	-41667	-1039039	461651	SLD 5	6.482	Si
1034	20.11	2.2	0	4,5	-150730	94736	-41517	-944441	593590	SLD 5	6.266	Si
1068	20.11	1.1	0	5	-129585	86938	-42860	-824171	552935	SLD 9	6.36	Si
1101	20.11	1.1	0	5	-130362	96555	-42708	-814682	603404	SLD 9	6.249	Si
1135	20.11	1.1	0	5	-77250	109517	-42556	-495534	702515	SLD 9	6.415	Si
1155	20.11	1.1	0	5	193714	-126930	-36896	1163271	-762226	SLD 9	6.005	Si
1189	20.11	1.1	0	5	106510	-97864	-36744	752379	-691305	SLD 9	7.064	Si
1223	20.11	1.1	0	5	22378	-72043	-36592	185570	-597416	SLD 9	8.293	Si
1256	20.11	1.1	0	5	-83219	-41378	-35500	-712349	-354195	SLD 5	8.56	Si
1290	20.11	1.1	0	5	-177924	4253	-36288	-1419029	33918	SLD 9	7.975	Si
1310	20.11	2.2	0	5,6	-67445	115691	-28996	-551231	945548	SLD 5	8.173	Si
1344	20.11	2.2	0	5,6	-60041	96344	-28847	-526102	844196	SLD 5	8.762	Si
1378	20.11	1.1	0	6	-39252	82906	-29683	-360496	761429	SLD 9	9.184	Si
1411	20.11	1.1	0	6	-42564	91090	-29531	-381085	815555	SLD 9	8.953	Si
1445	20.11	1.1	0	6	24317	114432	-29379	208078	979172	SLD 9	8.557	Si
1465	20.11	1.1	0	6	289540	-131771	-23816	1695361	-771565	SLD 9	5.855	Si
1499	20.11	1.1	0	6	214778	-107599	-23666	1560977	-782017	SLD 9	7.268	Si
1533	20.11	1.1	0	6	151283	-88915	-23514	1319239	-775368	SLD 9	8.72	Si
1566	20.11	1.1	0	6	110420	-117967	-19872	981250	-1048316	SLD 7	8.886	Si
1600	20.11	1.1	0	6	108189	-150727	-19720	834650	-1162820	SLD 7	7.715	Si
1620	20.11	2.2	0	6,7,8,10	-204670	115134	-12660	-1516008	852808	SLD 5	7.407	Si
1654	20.11	2.2	0	6,7,8,10	-158416	103647	-13026	-1413074	924529	SLD 9	8.92	Si
1688	20.11	1.1	0	7,8,10	-138860	99732	-12874	-1337878	960889	SLD 9	9.635	Si
1721	20.11	1.1	0	7,8,10	-117958	104111	-12722	-1175233	1037275	SLD 9	9.963	Si
1755	20.11	1.1	0	7,8,10	10959	118638	-12571	131483	1423445	SLD 9	11.998	Si
1775	20.11	1.1	0	7,8,10	298283	-117232	-6100	1376865	-541138	SLD 9	4.616	Si
1809	20.11	1.1	0	7,8,10	231542	-87049	-5948	1542401	-579869	SLD 9	6.661	Si
1843	20.11	1.1	0	7,8,10	172369	-83766	-6032	1544404	-750538	SLD 5	8.96	Si
1876	20.11	1.1	0	7,8,10	89044	-75182	-6469	1188278	-1003296	SLD 1	13.345	Si
1910	39.29	3.1	0	7,8,9,10,11,12,13,14	64053	-73968	-6319	1077336	-1244097	SLD 1	16.819	Si
1930	12.17	2.2	0	7,9,11,12,13,14	115503	61636	-2898	506374	270218	SLD 7	4.384	Si
1960	7.38	3.6	0	7,9,11,12,13,14,15,16	82973	55306	-2830	288130	192055	SLD 7	3.473	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1990	12.06	1.3	0	15,16	50888	48976	-2763	393245	378469	SLD 7	7.728	Si
2020	12.06	1.3	0	15,16	-48371	30297	-2025	-447204	280101	SLD 13	9.245	Si
2050	12.06	1.3	0	15,16	-53342	25765	-1958	-462903	223588	SLD 13	8.678	Si
2080	12.06	1.3	0	15,16	-67893	-7447	-2008	-526884	-57792	SLD 5	7.76	Si
2110	12.06	1.3	0	15,16	-95492	-6123	-1940	-488199	-31306	SLD 5	5.112	Si
2140	12.06	1.3	0	15,16	-125403	-4800	-1873	-467058	-17879	SLD 5	3.724	Si
2170	12.06	1.3	0	15,16	-157052	-3479	-1805	-454170	-10062	SLD 5	2.892	Si
2200	12.06	1.3	0	15,16	-188841	-2188	-1739	-445827	-5164	SLD 5	2.361	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	291	-114821	SLU 46	15366	51792	52691	2.35	177.69	-2363	-114821	SLU 46	15029	48385	55356	2.5	20.48	Si
-111	5X/2Y Ø8/10	291	-114654	SLU 46	15366	51792	52691	2.35	177.69	-2363	-114654	SLU 46	15029	48385	55356	2.5	20.48	Si
-82	5X/2Y Ø8/10	291	-114484	SLU 46	15366	51792	52691	2.35	177.69	-2363	-114484	SLU 46	15029	48385	55356	2.5	20.48	Si
-53	5X/2Y Ø8/10	291	-114314	SLU 46	15366	51792	52691	2.35	177.69	-2363	-114314	SLU 46	15029	48385	55356	2.5	20.48	Si
-24	5X/2Y Ø8/15	291	-114143	SLU 46	15366	36732	50429	2.5	126.02	-2363	-114143	SLU 46	15029	32257	55356	2.5	13.65	Si
5	5X/2Y Ø8/15	291	-113973	SLU 46	15366	36732	50429	2.5	126.02	-2363	-113973	SLU 46	15029	32257	55356	2.5	13.65	Si
35	5X/2Y Ø8/15	291	-113803	SLU 46	15366	36732	50429	2.5	126.02	-2363	-113803	SLU 46	15029	32257	55356	2.5	13.65	Si
64	5X/2Y Ø8/15	291	-113633	SLU 46	15366	36732	50429	2.5	126.02	-2363	-113633	SLU 46	15029	32257	55356	2.5	13.65	Si
93	5X/2Y Ø8/15	291	-113463	SLU 46	15366	36732	50429	2.5	126.02	-2363	-113463	SLU 46	15029	32257	55356	2.5	13.65	Si
122	5X/2Y Ø8/15	291	-113292	SLU 46	15366	36732	50429	2.5	126.02	-2363	-113292	SLU 46	15029	32257	55356	2.5	13.65	Si
151	5X/2Y Ø8/15	291	-113122	SLU 46	15366	36732	50429	2.5	126.02	-2363	-113122	SLU 46	15029	32257	55356	2.5	13.65	Si
180	5X/2Y Ø8/15	291	-112955	SLU 46	15366	36732	50429	2.5	126.02	-2363	-112955	SLU 46	15029	32257	55356	2.5	13.65	Si
200	5X/2Y Ø8/15	-1734	-112798	SLU 46	15366	36732	50429	2.5	21.19	3212	-120450	SLU 49	15029	32257	55356	2.5	10.04	Si
232	5X/2Y Ø8/15	-1734	-112614	SLU 46	15366	36732	50429	2.5	21.19	3212	-120266	SLU 49	15029	32257	55356	2.5	10.04	Si
264	5X/2Y Ø8/10	-1734	-112427	SLU 46	15366	51792	52691	2.35	29.87	3212	-120079	SLU 49	15029	48385	55356	2.5	15.06	Si
296	5X/2Y Ø8/10	-1734	-112239	SLU 46	15366	51792	52691	2.35	29.87	3212	-119891	SLU 49	15029	48385	55356	2.5	15.06	Si
328	5X/2Y Ø8/10	-1734	-112052	SLU 46	15366	51792	52691	2.35	29.87	3212	-119704	SLU 49	15029	48385	55356	2.5	15.06	Si
360	5X/2Y Ø8/10	-1734	-111868	SLU 46	15366	51792	52691	2.35	29.87	3212	-119520	SLU 49	15029	48385	55356	2.5	15.06	Si
380	5X/2Y Ø8/10	991	-52628	SLU 3	14119	49588	50716	2.25	50.06	-1412	-102723	SLU 49	15029	48385	55356	2.5	34.28	Si
414	5X/2Y Ø8/10	991	-52478	SLU 3	14100	49588	50696	2.25	50.06	-1412	-102528	SLU 49	15029	48385	55356	2.5	34.28	Si
448	5X/2Y Ø8/10	991	-52326	SLU 3	14081	49588	50675	2.25	50.06	-1412	-102331	SLU 49	15029	48385	55356	2.5	34.28	Si
481	5X/2Y Ø8/14.4	1015	-86299	SLU 20	15366	38145	50429	2.5	37.58	-1412	-102134	SLU 49	15029	33497	55356	2.5	23.73	Si
515	5X/2Y Ø8/14.4	1015	-86147	SLU 20	15366	38145	50429	2.5	37.58	-1412	-101936	SLU 49	15029	33497	55356	2.5	23.73	Si
535	5X/2Y Ø8/14.4	-267	-67102	SLU 15	15366	38145	48986	2.5	142.62	-445	-97508	SLU 51	15029	33497	55356	2.5	75.31	Si
569	5X/2Y Ø8/14.4	-267	-66950	SLU 15	15366	38145	48966	2.5	142.62	-445	-97311	SLU 51	15029	33497	55356	2.5	75.31	Si
603	5X/2Y Ø8/10	-267	-66798	SLU 15	15366	50690	51904	2.3	189.53	-445	-97113	SLU 51	15029	48385	55356	2.5	108.78	Si
636	5X/2Y Ø8/10	-267	-66646	SLU 15	15366	50690	51883	2.3	189.53	-445	-96916	SLU 51	15029	48385	55356	2.5	108.78	Si
670	5X/2Y Ø8/10	-267	-66496	SLU 15	15366	50690	51862	2.3	189.53	-445	-96721	SLU 51	15029	48385	55356	2.5	108.78	Si
690	5X/2Y Ø8/10	92	-78722	SLU 26	15366	51792	52691	2.35	562.34	-871	-86476	SLU 49	15029	48385	55356	2.5	55.55	Si
724	5X/2Y Ø8/10	92	-78570	SLU 26	15366	51792	52691	2.35	562.34	-871	-86279	SLU 49	15029	48385	55356	2.5	55.55	Si
758	5X/2Y Ø8/10	92	-78419	SLU 26	15366	51792	52691	2.35	562.34	-871	-86081	SLU 49	15029	48385	55356	2.5	55.55	Si
791	5X/2Y Ø8/14.4	92	-78267	SLU 26	15366	38145	50424	2.5	414.16	-871	-85884	SLU 49	15029	33497	55356	2.5	38.46	Si
825	5X/2Y Ø8/14.4	92	-78117	SLU 26	15366	38145	50404	2.5	414.16	-871	-85689	SLU 49	15029	33497	55356	2.5	38.46	Si
845	5X/2Y Ø8/14.4	287	-66092	SLU 38	15366	38145	48856	2.5	132.96	-615	-80602	SLU 51	15029	33497	55356	2.5	54.44	Si
879	5X/2Y Ø8/14.4	287	-65897	SLU 38	15366	38145	48831	2.5	132.96	-615	-80408	SLU 51	15029	33497	55356	2.5	54.44	Si
913	5X/2Y Ø8/10	287	-65700	SLU 38	15366	50690	51754	2.3	176.69	-615	-80210	SLU 51	15029	48385	55356	2.5	78.63	Si
946	5X/2Y Ø8/10	287	-65502	SLU 38	15366	50690	51727	2.3	176.69	-615	-80013	SLU 51	15029	48385	55356	2.5	78.63	Si
980	5X/2Y Ø8/10	287	-65305	SLU 38	15366	50690	51700	2.3	176.69	-615	-79815	SLU 51	15029	48385	55356	2.5	78.63	Si
1000	4X/2Y Ø8/10	-258	-57504	SLU 45	14726	44078	47750	2.5	170.65	-457	-62112	SLU 49	14955	48385	53066	2.5	105.99	Si
1034	4X/2Y Ø8/10	-258	-57310	SLU 45	14702	44078	47725	2.5	170.65	-457	-61917	SLU 49	14929	48385	53039	2.5	105.99	Si
1068	4X/2Y Ø8/10	-258	-57112	SLU 45	14677	44078	47699	2.5	170.65	-457	-61720	SLU 49	14902	48385	53011	2.5	105.99	Si
1101	4X/2Y Ø8/14.4	-258	-56915	SLU 45	14652	30516	47674	2.5	118.14	-457	-61522	SLU 49	14875	33497	52983	2.5	73.38	Si
1135	4X/2Y Ø8/14.4	-258	-56718	SLU 45	14628	30516	47648	2.5	118.14	-457	-61325	SLU 49	14848	33497	52955	2.5	73.38	Si
1155	4X/2Y Ø8/14.4	276	-45503	SLU 39	13232	30516	46204	2.5	110.64	-1575	-55482	SLU 51	14049	33497	52129	2.5	21.26	Si
1189	4X/2Y Ø8/14.4	276	-45306	SLU 39	13207	30516	46178	2.5	110.64	-1575	-55285	SLU 51	14022	33497	52101	2.5	21.26	Si
1223	4X/2Y Ø8/10	276	-45108	SLU 39	13182	44078	46153	2.5	159.82	-1575	-55088	SLU 51	13995	48385	52073	2.5	30.71	Si
1256	4X/2Y Ø8/10	276	-44911	SLU 39	13158	44078	46128	2.5	159.82	-1575	-54890	SLU 51	13968	48385	52045	2.5	30.71	Si
1290	4X/2Y Ø8/10	276	-44713	SLU 39	13133	44078	46102	2.5	159.82	-1575	-54693	SLU 51	13942	48385	52017	2.5	30.71	Si
1310	4X/2Y Ø8/10	227	-44657	SLU 51	13126	44078	46095	2.5	193.88	-570	-44138	SLU 49	12499	48385	50525	2.5	84.83	Si
1344	4X/2Y Ø8/10	227	-44462	SLU 51	13102	44078	46070	2.5	193.88	-570	-43943	SLU 49	12472	48385	50498	2.5	84.83	Si
1378	4X/2Y Ø8/10	227	-44265	SLU 51	13077	44078	46044	2.5	193.88	-570	-43746	SLU 49	12445	48385	50470	2.5	84.83	Si
1411	4X/2Y Ø8/14.4	227	-44068	SLU 51	13053	30516	46019	2.5	134.22	-570	-43548	SLU 49	12418	33497	50442	2.5	58.73	Si
1445	4X/2Y Ø8/14.4	227	-43870	SLU 51	13028	30516	45994	2.5	134.22	-570	-43351	SLU 49	12391	33497	50414	2.5	58.73	Si
1465	4X/2Y Ø8/14.4	-228	-25531	SLU 18	10745	30516	43632	2.5	133.77	-1608	-37208	SLU 51	11552	33497	49546	2.5	20.83	Si
1499	4X/2Y Ø8/14.4	-228	-25381	SLU 18	10726	30516	43612	2.5	133.77	-1608	-37014	SLU 51	11525	33497	49518	2.5	20.83	Si
1533	4X/2Y Ø8/10	-228	-25229	SLU 18	10707	43197	44231	2.45	189.36	-1608	-36816	SLU 51	11498	48385	49490	2.5	30.09	Si
1566	4X/2Y Ø8/10	-228	-25077	SLU 18	10689	43197	44211	2.45	189.36	-1608	-36619	SLU 51	11471	48385	49462	2.5	30.09	Si
1600	4X/2Y Ø8/10	-228	-24925	SLU 18	10670	43197	44191	2.45	189.36	-1608	-36421	SLU 51	11444	48385	49434	2.5	30.09	Si
1620	4X/2Y Ø8/10	320	-19518	SLU 51	9996	43197	43484	2.45	135.17	828	-18437	SLU 48	8987	47417	47578	2.45	57.25	Si
1654	4X/2Y Ø8/10	320	-19323	SLU 51	9972	43197	43459	2.45	135.17	828	-18243	SLU 48	8960	47417	47550	2.45	57.25	Si
1688	4X/2Y Ø8/10	320	-19126	SLU 51	9948	43197	43433	2.45	135.17	828	-18045	SLU 48	8933	47417	47522	2.45	57.25	Si
1721	4X/2Y Ø8/14.4	320	-18928	SLU 51	9923	30516	42781	2.5	95.49	828	-17848	SLU 48	8906	33497	46808	2.5	40.44	Si
1755	4X/2Y Ø8/14.4	320	-18731	SLU 51	9898	30516	42756	2.5	95.49	828	-17651	SLU 48	8879	33497	46781	2.5	40.44	Si
1775	4X/2Y Ø8/14.4	778	-11447	SLU 51	8992	30516	41818	2.5	39.25	-1512	-11447	SLU 51	8031	33497	45904	2.5	22.15	Si
1809	4X/2Y Ø8/14.4	778	-11250	SLU 51	8967	30516	41792	2.5	39.25	-1512	-11250	SLU 51	8004	33497	45876	2.5	22.15	Si
1843	4X/2Y Ø8/10	778	-11053	SLU 51	8942	42315	43003	2.4	54.42	-1512	-11053	SLU 51	7977	46450	47204	2.4	30.72	Si
1876	4X/2Y Ø8/10	778	-10855	SLU 51	8918	42315	42976	2.4	54.42	-1512	-10855	SLU 51	7950	46450	47175	2.4	30.72	Si
1910	4X/2Y Ø8/10	778	-10661	SLU 51	8894	42315	42951	2.4	54.42	-1512	-10661	SLU 51	7924	46450	47147	2.4	30.72	Si
1930	2X/2Y Ø8/10	-190	-4304	SLU 51	4319	21158	21339	2.4	111.07	-1007	-4304	SLU 51	4291	20959	21138	2.4	20.81	Si
1960	2X/2Y Ø8/10	-190	-4216	SLU 51	4308	21158	21328	2.4	111.07	-1007	-4216	SLU 51	4280	20959	21127	2.4	20.81	Si
1990	2X/2Y Ø8/10	-190	-4129	SLU 51	4297	21158	21316	2.4	111.07	-1007	-4129	SLU 51	4269	20959	21115	2.4	20.81	Si
2020	2X/2Y Ø8/10	-190	-4041	SLU 51	4286	21158	21304	2.4	111.07	-1007	-4041	SLU 51	4259	20959	21104	2.4	20.81	Si
2050	2X/2Y Ø8/10	-190	-3953	SLU 51	4275	21158	21293	2.4	111.07	-1007	-3953	SLU 51	4248	20959	21092	2.4	20.81	Si
2080	2X/2Y Ø8/10	-190	-3865	SLU 51	4264	21158	21281	2.4	111.07	-1007	-3865	SLU 51	4237	20959	21081	2.4	20.81	Si
2110	2X/2Y Ø8/10	-190	-3778	SLU 51	4254	21158	21269	2.4	111.07	-1007	-3778	SLU 51	4226	20959	21069	2.4	20.81	Si
2140	2X/2Y Ø8/10	-190	-3690	SLU 51	4243	21158	21258	2.4	111.07	-1007	-3690	SLU 51	4215	20959	21058	2.4	20.81	Si
2170	2X/2Y Ø8/10	-190	-3602	SLU 51	4232	21158	21246	2.4	111.07	-1007	-3602	SLU 51	4204	20959	21046	2.4	20.81	Si
2200	2X/2Y Ø8/10	-190	-3516	SLU 51	4221	21158	21235	2.4	111.07	-1007	-3516	SLU 51	4194	20959	21035	2.4	20.81	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	1145	-95228	SLV 13	15366	51792	52691	2.35	45.24	-3583	-96289	SLV 5	15029	48385	55356	2.5	13.5	Si
-111	5X/2Y Ø8/10	1145	-95100	SLV 13	15366	51792	52691	2.35	45.24	-3583	-96160	SLV 5	15029	48385	55356	2.5	13.5	Si
-82	5X/2Y Ø8/10	1145	-94969	SLV 13	15366	51792	52691	2.35	45.24	-3583	-96029	SLV 5	15029	48385	55356	2.5	13.5	Si
-53	5X/2Y Ø8/10	1145	-94838	SLV 13	15366	51792	52691	2.35	45.24	-3583	-95898	SLV 5	15029	48385	55356	2.5	13.5	Si
-24	5X/2Y Ø8/15	1145	-94707	SLV 13	15366	36732	50429	2.5	32.09	-3583	-95767	SLV 5	15029	32257	55356	2.5	9	Si
5	5X/2Y Ø8/15	1145	-94576	SLV 13	15366	36732	50429	2.5	32.09	-3583	-95636	SLV 5	15029	32257	55356	2.5	9	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
35	5X/2Y Ø8/15	1145	-94445	SLV 13	15366	36732	50429	2.5	32.09	-3583	-95506	SLV 5	15029	32257	55356	2.5	9	Si
64	5X/2Y Ø8/15	1145	-94314	SLV 13	15366	36732	50429	2.5	32.09	-3583	-95375	SLV 5	15029	32257	55356	2.5	9	Si
93	5X/2Y Ø8/15	1145	-94183	SLV 13	15366	36732	50429	2.5	32.09	-3583	-95244	SLV 5	15029	32257	55356	2.5	9	Si
122	5X/2Y Ø8/15	1145	-94052	SLV 13	15366	36732	50429	2.5	32.09	-3583	-95113	SLV 5	15029	32257	55356	2.5	9	Si
151	5X/2Y Ø8/15	1145	-93921	SLV 13	15366	36732	50429	2.5	32.09	-3583	-94982	SLV 5	15029	32257	55356	2.5	9	Si
180	5X/2Y Ø8/15	1145	-93793	SLV 13	15366	36732	50429	2.5	32.09	-3583	-94853	SLV 5	15029	32257	55356	2.5	9	Si
200	5X/2Y Ø8/15	-2717	-56178	SLV 3	14561	36732	47579	2.5	13.52	5418	-48660	SLV 7	13117	32257	51165	2.5	5.95	Si
232	5X/2Y Ø8/15	-2717	-56036	SLV 3	14543	36732	47561	2.5	13.52	5418	-48519	SLV 7	13098	32257	51145	2.5	5.95	Si
264	5X/2Y Ø8/10	-2717	-55892	SLV 3	14525	49588	51169	2.25	18.25	5418	-48375	SLV 7	13078	48385	51124	2.5	8.93	Si
296	5X/2Y Ø8/10	-2717	-55748	SLV 3	14507	49588	51149	2.25	18.25	5418	-48231	SLV 7	13058	48385	51104	2.5	8.93	Si
328	5X/2Y Ø8/10	-2717	-55604	SLV 3	14489	49588	51129	2.25	18.25	5418	-48087	SLV 7	13039	48385	51083	2.5	8.93	Si
360	5X/2Y Ø8/10	-2717	-55463	SLV 3	14472	49588	51109	2.25	18.25	5418	-47945	SLV 7	13019	48385	51063	2.5	8.93	Si
380	5X/2Y Ø8/10	-1623	-37651	SLV 7	12254	48486	49371	2.2	29.87	-2447	-37651	SLV 7	11613	48385	49608	2.5	19.78	Si
414	5X/2Y Ø8/10	-1623	-37501	SLV 7	12235	48486	49350	2.2	29.87	-2447	-37501	SLV 7	11592	48385	49587	2.5	19.78	Si
448	5X/2Y Ø8/10	-1623	-37349	SLV 7	12216	48486	49329	2.2	29.87	-2447	-37349	SLV 7	11571	48385	49565	2.5	19.78	Si
481	5X/2Y Ø8/14.4	-1623	-37197	SLV 7	12198	38145	45134	2.5	23.5	-2447	-37197	SLV 7	11551	33497	49544	2.5	13.69	Si
515	5X/2Y Ø8/14.4	-1623	-37046	SLV 7	12179	38145	45115	2.5	23.5	-2447	-37046	SLV 7	11530	33497	49523	2.5	13.69	Si
535	5X/2Y Ø8/14.4	1099	-72295	SLV 13	15366	38145	49655	2.5	34.71	-4950	-78146	SLV 9	15029	33497	55333	2.5	6.77	Si
569	5X/2Y Ø8/14.4	1099	-72143	SLV 13	15366	38145	49635	2.5	34.71	-4950	-77994	SLV 9	15029	33497	55312	2.5	6.77	Si
603	5X/2Y Ø8/10	1099	-71992	SLV 13	15366	51792	51840	2.35	47.13	-4950	-77842	SLV 9	15029	48385	55290	2.5	9.78	Si
636	5X/2Y Ø8/10	1099	-71840	SLV 13	15366	51792	51820	2.35	47.13	-4950	-77690	SLV 9	15029	48385	55269	2.5	9.78	Si
670	5X/2Y Ø8/10	1099	-71690	SLV 13	15366	51792	51800	2.35	47.13	-4950	-77540	SLV 9	15029	48385	55248	2.5	9.78	Si
690	5X/2Y Ø8/10	-1551	-38709	SLV 3	12386	48486	49520	2.2	31.25	-2074	-38014	SLV 11	11662	48385	49659	2.5	23.33	Si
724	5X/2Y Ø8/10	-1551	-38557	SLV 3	12367	48486	49499	2.2	31.25	-2074	-37862	SLV 11	11641	48385	49638	2.5	23.33	Si
758	5X/2Y Ø8/10	-1551	-38405	SLV 3	12348	48486	49477	2.2	31.25	-2074	-37710	SLV 11	11621	48385	49616	2.5	23.33	Si
791	5X/2Y Ø8/14.4	1577	-65336	SLV 13	15366	38145	48758	2.5	24.19	-2074	-37558	SLV 11	11600	33497	49595	2.5	16.15	Si
825	5X/2Y Ø8/14.4	1577	-65186	SLV 13	15366	38145	48739	2.5	24.19	-2074	-37408	SLV 11	11579	33497	49574	2.5	16.15	Si
845	5X/2Y Ø8/14.4	1691	-58073	SLV 13	14797	38145	47823	2.5	22.56	-5084	-62246	SLV 9	14974	33497	53085	2.5	6.59	Si
879	5X/2Y Ø8/14.4	1691	-57924	SLV 13	14778	38145	47804	2.5	22.56	-5084	-62096	SLV 9	14953	33497	53064	2.5	6.59	Si
913	5X/2Y Ø8/10	1691	-57772	SLV 13	14759	49588	51429	2.25	29.33	-5084	-61944	SLV 9	14933	48385	53043	2.5	9.52	Si
946	5X/2Y Ø8/10	1691	-57620	SLV 13	14740	49588	51408	2.25	29.33	-5084	-61792	SLV 9	14912	48385	53021	2.5	9.52	Si
980	5X/2Y Ø8/10	1691	-57468	SLV 13	14721	49588	51387	2.25	29.33	-5084	-61640	SLV 9	14891	48385	53000	2.5	9.52	Si
1000	4X/2Y Ø8/10	-1534	-27702	SLV 3	11015	43197	44554	2.45	28.16	-1851	-27322	SLV 11	10201	47417	48853	2.45	25.61	Si
1034	4X/2Y Ø8/10	-1534	-27553	SLV 3	10997	43197	44535	2.45	28.16	-1851	-27172	SLV 11	10180	47417	48831	2.45	25.61	Si
1068	4X/2Y Ø8/10	-1534	-27401	SLV 3	10978	43197	44515	2.45	28.16	-1851	-27020	SLV 11	10160	47417	48809	2.45	25.61	Si
1101	4X/2Y Ø8/14.4	-1534	-27249	SLV 3	10959	30516	43853	2.5	19.89	-1851	-26868	SLV 11	10139	33497	48084	2.5	18.09	Si
1135	4X/2Y Ø8/14.4	-1534	-27097	SLV 3	10940	30516	43833	2.5	19.89	-1851	-26717	SLV 11	10118	33497	48062	2.5	18.09	Si
1155	4X/2Y Ø8/14.4	2188	-42086	SLV 9	12806	30516	45764	2.5	13.95	-5448	-42086	SLV 9	12219	33497	50235	2.5	6.15	Si
1189	4X/2Y Ø8/14.4	2188	-41934	SLV 9	12787	30516	45744	2.5	13.95	-5448	-41934	SLV 9	12198	33497	50214	2.5	6.15	Si
1223	4X/2Y Ø8/10	2188	-41783	SLV 9	12768	44078	45725	2.5	20.14	-5448	-41783	SLV 9	12177	48385	50192	2.5	8.88	Si
1256	4X/2Y Ø8/10	2188	-41631	SLV 9	12749	44078	45705	2.5	20.14	-5448	-41631	SLV 9	12156	48385	50171	2.5	8.88	Si
1290	4X/2Y Ø8/10	2188	-41479	SLV 9	12731	44078	45686	2.5	20.14	-5448	-41479	SLV 9	12136	48385	50149	2.5	8.88	Si
1310	4X/2Y Ø8/10	1758	-28179	SLV 15	11075	43197	44616	2.45	24.57	-1967	-19961	SLV 11	9195	47417	47797	2.45	24.11	Si
1344	4X/2Y Ø8/10	1758	-28030	SLV 15	11056	43197	44597	2.45	24.57	-1967	-19811	SLV 11	9174	47417	47775	2.45	24.11	Si
1378	4X/2Y Ø8/10	1758	-27878	SLV 15	11037	43197	44577	2.45	24.57	-1967	-19660	SLV 11	9154	47417	47753	2.45	24.11	Si
1411	4X/2Y Ø8/14.4	1758	-27726	SLV 15	11018	30516	43914	2.5	17.36	-1967	-19508	SLV 11	9133	33497	47043	2.5	17.03	Si
1445	4X/2Y Ø8/14.4	1758	-27574	SLV 15	10999	30516	43895	2.5	17.36	-1967	-19356	SLV 11	9112	33497	47022	2.5	17.03	Si
1465	4X/2Y Ø8/14.4	-2230	-17887	SLV 7	9793	30516	42647	2.5	13.68	-4690	-26254	SLV 9	10055	33497	47997	2.5	7.14	Si
1499	4X/2Y Ø8/14.4	-2230	-17737	SLV 7	9775	30516	42628	2.5	13.68	-4690	-26104	SLV 9	10035	33497	47976	2.5	7.14	Si
1533	4X/2Y Ø8/10	-2230	-17586	SLV 7	9756	43197	43232	2.45	19.37	-4690	-25953	SLV 9	10014	47417	48656	2.45	10.11	Si
1566	4X/2Y Ø8/10	-2230	-17434	SLV 7	9737	43197	43212	2.45	19.37	-4690	-25801	SLV 9	9993	47417	48634	2.45	10.11	Si
1600	4X/2Y Ø8/10	-2230	-17282	SLV 7	9718	42315	43829	2.4	18.97	-4690	-25649	SLV 9	9972	47417	48613	2.45	10.11	Si
1620	4X/2Y Ø8/10	1576	-15756	SLV 9	9528	42315	43626	2.4	26.84	2114	-14525	SLV 5	8452	46450	47710	2.4	21.97	Si
1654	4X/2Y Ø8/10	1576	-15606	SLV 9	9509	42315	43606	2.4	26.84	2114	-14375	SLV 5	8432	46450	47688	2.4	21.97	Si
1688	4X/2Y Ø8/10	1576	-15454	SLV 9	9491	42315	43586	2.4	26.84	2114	-14223	SLV 5	8411	46450	47666	2.4	21.97	Si
1721	4X/2Y Ø8/14.4	1576	-15302	SLV 9	9472	30516	42314	2.5	19.36	2114	-14071	SLV 5	8390	33497	46275	2.5	15.85	Si
1755	4X/2Y Ø8/14.4	1576	-15151	SLV 9	9453	30516	42295	2.5	19.36	2114	-13920	SLV 5	8369	33497	46253	2.5	15.85	Si
1775	4X/2Y Ø8/14.4	1631	-5491	SLV 13	8250	30516	41051	2.5	18.71	-4193	-5452	SLV 9	7212	33497	45056	2.5	7.99	Si
1809	4X/2Y Ø8/14.4	1631	-5339	SLV 13	8231	30516	41031	2.5	18.71	-4193	-5300	SLV 9	7191	33497	45034	2.5	7.99	Si
1843	4X/2Y Ø8/10	1631	-5187	SLV 13	8212	41434	42851	2.35	25.4	-4193	-5148	SLV 9	7171	45482	47032	2.35	10.85	Si
1876	4X/2Y Ø8/10	1631	-5035	SLV 13	8193	41434	42830	2.35	25.4	-4193	-4997	SLV 9	7150	45482	47009	2.35	10.85	Si
1910	4X/2Y Ø8/10	1631	-4885	SLV 13	8175	41434	42810	2.35	25.4	-4193	-4847	SLV 9	7129	45482	46987	2.35	10.85	Si
1930	2X/2Y Ø8/10	-421	-2970	SLV 11	4153	21158	21162	2.4	50.24	-1671	-3270	SLV 7	4163	20959	21003	2.4	12.54	Si
1960	2X/2Y Ø8/10	-421	-2902	SLV 11	4145	20717	21467	2.35	49.19	-1671	-3202	SLV 7	4155	20959	20994	2.4	12.54	Si
1990	2X/2Y Ø8/10	-421	-2835	SLV 11	4136	20717	21458	2.35	49.19	-1671	-3135	SLV 7	4147	20959	20985	2.4	12.54	Si
2020	2X/2Y Ø8/10	-421	-2767	SLV 11	4128	20717	21449	2.35	49.19	-1671	-3067	SLV 7	4138	20959	20976	2.4	12.54	Si
2050	2X/2Y Ø8/10	-421	-2700	SLV 11	4119	20717	21440	2.35	49.19	-1671	-3000	SLV 7	4130	20959	20967	2.4	12.54	Si
2080	2X/2Y Ø8/10	-421	-2632	SLV 11	4111	20717	21431	2.35	49.19	-1671	-2932	SLV 7	4122	20522	21269	2.35	12.28	Si
2110	2X/2Y Ø8/10	-421	-2565	SLV 11	4103	20717	21421	2.35	49.19	-1671	-2865	SLV 7	4114	20522	21260	2.35	12.28	Si
2140	2X/2Y Ø8/10	-421	-2497	SLV 11	4094	20717	21412	2.35	49.19	-1671	-2797	SLV 7	4105	20522	21251	2.35	12.28	Si
2170	2X/2Y Ø8/10	-421	-2430	SLV 11	4086	20717	21403	2.35	49.19	-1671	-2730	SLV 7	4097	20522	21242	2.35	12.28	Si
2200	2X/2Y Ø8/10	-421	-2363	SLV 11	4077	20717	21394	2.35	49.19	-1671	-2663	SLV 7	4089	20522	21233	2.35	12.28	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	504	-82687	SLD 13	17861	55098	50429	2.5	100.07	-2071	-83096	SLD 5	17823	48385	55356	2.5	23.37	Si
-111	5X/2Y Ø8/10	504	-82559	SLD 13	17845	55098	50429	2.5	100.07	-2071	-82968	SLD 5	17806	48385	55356	2.5	23.37	Si
-82	5X/2Y Ø8/10	504	-82428	SLD 13	17829	55098	50429	2.5	100.07	-2071	-82837	SLD 5	17788	48385	55356	2.5	23.37	Si
-53	5X/2Y Ø8/10	504	-82297	SLD 13	17812	55098	50429	2.5	100.07	-2071	-82706	SLD 5	17770	48385	55356	2.5	23.37	Si
-24	5X/2Y Ø8/15	504	-82166	SLD 13	17796	36732	50429	2.5	72.89	-2071	-82575	SLD 5	17752	32257	55356	2.5	15.58	Si
5	5X/2Y Ø8/15	504	-82035	SLD 13	17780	36732	50429	2.5	72.89	-2071	-82444	SLD 5	17734	32257	55356	2.5	15.58	Si
35	5X/2Y Ø8/15	504	-81904	SLD 13	17764	36732	50429	2.5	72.89	-2071	-82313	SLD 5	17716	32257	55356	2.5	15.58	Si
64	5X/2Y Ø8/15	504	-81773	SLD 13	17747	36732	50429	2.5	72.89	-2071	-82182	SLD 5	17698	32257	55356	2.5	15.58	Si
93	5X/2Y Ø8/15	504	-81642	SLD 13	17731	36732	50429	2.5	72.89	-2071	-82051	SLD 5	17680	32257	55356	2.5	15.58	Si
122	5X/2Y Ø8/15	504	-81511	SLD 13	17715	36732	50429	2.5	72.89	-2071	-81921	SLD 5	17663	32257	55356	2.5	15.58	Si
151	5X/2Y Ø8/15	504	-81380	SLD 13	17698	36732	50429	2.5	72.89	-2071	-81790	SLD 5	17645	32257	55356	2.5	15.58	Si
180	5X/2Y Ø8/15	504	-81252	SLD 13	17682	36732	50429	2.5	72.89	-2071	-81661	SLD 5	17627	32257	55356	2.5	15.58	Si
200	5X/2Y Ø8/15	-1283	-66520	SLD 3	15848	36732	48911	2.5	28.63	3269	-63589	SLD 7	15157	32257	53275	2.5	9.87	Si
232	5X/2Y Ø8/15	-1283	-66379	SLD 3	15831	36732	48893	2.5	28.63	3269	-63448	SLD 7	15138	32257	53255	2.5	9.87	Si
264	5X/2Y Ø8/10	-1283	-66235	SLD 3	15813	55098	48874	2.5	38.09	3269	-63304	SLD 7	15118	48385	53235	2.5	14.8	Si
296	5X/2Y Ø8/10	-1283	-66091	SLD 3	15795	55098	48855	2.5	38.08	3269	-63160	SLD 7	15099	48385	53214	2.5	14.8	Si
328	5X/2Y Ø8/10	-1283	-65947	SLD 3	15777	55098	48837	2.5	38.06	3269	-63016	SLD 7	15079	48385	53194	2.5	14.8	Si
360	5X/2Y Ø8/10	-1283	-65805	SLD 3	15759	55098	48819	2.5	38.05	3269	-62874	SLD 7	15060	48385	53174	2.5	14.8	Si
380	5X/2Y Ø8/10	-673	-52727	SLD 7	14131	55098	47134	2.5	70.02	-1462	-52727	SLD 7	13673	48385	51740	2.5	33.09	Si
414	5X/2Y Ø8/10	-673	-52577	SLD 7	14112	55098	47115	2.5	69.99	-1462	-52577	SLD 7	13652	48385	51718	2.5	33.09	Si
448	5X/2Y Ø8/10	-673	-52425	SLD 7	14093	55098	47095	2.5	69.97	-1462	-52425	SLD 7	13632	48385	51697	2.5	33.09	Si
481	5X/2Y Ø8/14.4	-673	-52274	SLD 7	14075	38145	47076	2.5	56.67	-1462	-52274	SLD 7	13611	33497	51675	2.5	22.91	Si
515	5X/2Y Ø8/14.4	-673	-52122	SLD 7	14056	38145	47056	2.5	56.67	-1462	-52122	SLD 7	13590	33497	51654	2.5	22.91	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
535	5X/2Y Ø8/14.4	489	-64224	SLD 13	15562	38145	48615	2.5	77.93	-2084	-66509	SLD 9	15556	33497	53688	2.5	16.07	Si
569	5X/2Y Ø8/14.4	489	-64072	SLD 13	15543	38145	48595	2.5	77.93	-2084	-66357	SLD 9	15536	33497	53667	2.5	16.07	Si
603	5X/2Y Ø8/10	489	-63920	SLD 13	15525	55098	48576	2.5	99.24	-2084	-66205	SLD 9	15515	48385	53645	2.5	23.22	Si
636	5X/2Y Ø8/10	489	-63768	SLD 13	15506	55098	48556	2.5	99.2	-2084	-66054	SLD 9	15494	48385	53624	2.5	23.22	Si
670	5X/2Y Ø8/10	489	-63619	SLD 13	15487	55098	48537	2.5	99.16	-2084	-65904	SLD 9	15474	48385	53602	2.5	23.22	Si
690	5X/2Y Ø8/10	638	-57575	SLD 13	14735	55098	47759	2.5	74.88	-1108	-46669	SLD 11	12845	48385	50883	2.5	43.66	Si
724	5X/2Y Ø8/10	638	-57423	SLD 13	14716	55098	47739	2.5	74.85	-1108	-46518	SLD 11	12824	48385	50862	2.5	43.66	Si
758	5X/2Y Ø8/10	638	-57271	SLD 13	14697	55098	47720	2.5	74.82	-1108	-46366	SLD 11	12804	48385	50840	2.5	43.66	Si
791	5X/2Y Ø8/14.4	638	-57119	SLD 13	14678	38145	47700	2.5	59.81	-1108	-46214	SLD 11	12783	33497	50819	2.5	30.23	Si
825	5X/2Y Ø8/14.4	638	-56970	SLD 13	14659	38145	47681	2.5	59.81	-1108	-46064	SLD 11	12762	33497	50798	2.5	30.23	Si
845	5X/2Y Ø8/14.4	739	-52284	SLD 13	14076	38145	47077	2.5	51.59	-2200	-53920	SLD 9	13836	33497	51908	2.5	15.22	Si
879	5X/2Y Ø8/14.4	739	-52135	SLD 13	14057	38145	47058	2.5	51.59	-2200	-53770	SLD 9	13815	33497	51887	2.5	15.22	Si
913	5X/2Y Ø8/10	739	-51983	SLD 13	14038	55098	47038	2.5	63.62	-2200	-53618	SLD 9	13795	48385	51866	2.5	21.99	Si
946	5X/2Y Ø8/10	739	-51831	SLD 13	14019	55098	47019	2.5	63.59	-2200	-53467	SLD 9	13774	48385	51844	2.5	21.99	Si
980	5X/2Y Ø8/10	739	-51679	SLD 13	14001	55098	46999	2.5	63.57	-2200	-53315	SLD 9	13753	48385	51823	2.5	21.99	Si
1000	4X/2Y Ø8/10	-710	-33675	SLD 3	11759	44078	44680	2.5	62.07	-876	-33549	SLD 11	11052	48385	49028	2.5	55.21	Si
1034	4X/2Y Ø8/10	-710	-33525	SLD 3	11740	44078	44661	2.5	62.07	-876	-33399	SLD 11	11031	48385	49007	2.5	55.21	Si
1068	4X/2Y Ø8/10	-710	-33373	SLD 3	11721	44078	44642	2.5	62.07	-876	-33247	SLD 11	11011	48385	48986	2.5	55.21	Si
1101	4X/2Y Ø8/14.4	-710	-33221	SLD 3	11703	30516	44622	2.5	42.97	-876	-33095	SLD 11	10990	33497	48964	2.5	38.22	Si
1135	4X/2Y Ø8/14.4	-710	-33070	SLD 3	11684	30516	44603	2.5	42.97	-876	-32943	SLD 11	10969	33497	48943	2.5	38.22	Si
1155	4X/2Y Ø8/14.4	935	-36896	SLD 9	12160	30516	45095	2.5	32.64	-2688	-36896	SLD 9	11509	33497	49501	2.5	12.46	Si
1189	4X/2Y Ø8/14.4	935	-36744	SLD 9	12141	30516	45076	2.5	32.64	-2688	-36744	SLD 9	11489	33497	49480	2.5	12.46	Si
1223	4X/2Y Ø8/10	935	-36592	SLD 9	12122	44078	45056	2.5	47.14	-2688	-36592	SLD 9	11468	48385	49458	2.5	18	Si
1256	4X/2Y Ø8/10	935	-36440	SLD 9	12103	44078	45037	2.5	47.14	-2688	-36440	SLD 9	11447	48385	49437	2.5	18	Si
1290	4X/2Y Ø8/10	935	-36288	SLD 9	12084	44078	45017	2.5	47.14	-2688	-36288	SLD 9	11426	48385	49415	2.5	18	Si
1310	4X/2Y Ø8/10	835	-23841	SLD 11	10535	44078	43414	2.5	51.99	-960	-23841	SLD 11	9725	48385	47656	2.5	49.62	Si
1344	4X/2Y Ø8/10	835	-23692	SLD 11	10516	44078	43395	2.5	51.96	-960	-23692	SLD 11	9705	48385	47635	2.5	49.6	Si
1378	4X/2Y Ø8/10	835	-23540	SLD 11	10497	44078	43375	2.5	51.94	-960	-23540	SLD 11	9684	48385	47613	2.5	49.57	Si
1411	4X/2Y Ø8/14.4	835	-23388	SLD 11	10478	30516	43356	2.5	36.54	-960	-23388	SLD 11	9663	33497	47592	2.5	34.88	Si
1445	4X/2Y Ø8/14.4	835	-23236	SLD 11	10459	30516	43336	2.5	36.54	-960	-23236	SLD 11	9642	33497	47570	2.5	34.88	Si
1465	4X/2Y Ø8/14.4	-1039	-20325	SLD 7	10097	30516	42961	2.5	29.38	-2419	-23816	SLD 9	9722	33497	47652	2.5	13.85	Si
1499	4X/2Y Ø8/14.4	-1039	-20176	SLD 7	10078	30516	42942	2.5	29.38	-2419	-23666	SLD 9	9701	33497	47631	2.5	13.85	Si
1533	4X/2Y Ø8/10	-1039	-20024	SLD 7	10059	44078	42922	2.5	41.32	-2419	-23514	SLD 9	9681	48385	47610	2.5	19.69	Si
1566	4X/2Y Ø8/10	-1039	-19872	SLD 7	10040	44078	42903	2.5	41.3	-2419	-23362	SLD 9	9660	48385	47588	2.5	19.68	Si
1600	4X/2Y Ø8/10	-1039	-19720	SLD 7	10022	44078	42883	2.5	41.28	-2419	-23211	SLD 9	9639	48385	47567	2.5	19.67	Si
1620	4X/2Y Ø8/10	812	-13176	SLD 9	9207	44078	42040	2.5	51.78	1132	-12660	SLD 5	8197	48385	46075	2.5	40.69	Si
1654	4X/2Y Ø8/10	812	-13026	SLD 9	9188	44078	42021	2.5	51.76	1132	-12510	SLD 5	8177	48385	46054	2.5	40.67	Si
1688	4X/2Y Ø8/10	812	-12874	SLD 9	9169	44078	42002	2.5	51.73	1132	-12358	SLD 5	8156	48385	46032	2.5	40.65	Si
1721	4X/2Y Ø8/14.4	812	-12722	SLD 9	9150	30516	41982	2.5	37.58	1132	-12206	SLD 5	8135	33497	46011	2.5	29.58	Si
1755	4X/2Y Ø8/14.4	812	-12571	SLD 9	9131	30516	41962	2.5	37.58	1132	-12054	SLD 5	8114	33497	45989	2.5	29.58	Si
1775	4X/2Y Ø8/14.4	909	-6140	SLD 13	8331	30516	41134	2.5	33.58	-2214	-6100	SLD 9	7301	33497	45148	2.5	15.13	Si
1809	4X/2Y Ø8/14.4	909	-5988	SLD 13	8312	30516	41115	2.5	33.58	-2214	-5948	SLD 9	7280	33497	45126	2.5	15.13	Si
1843	4X/2Y Ø8/10	909	-5836	SLD 13	8293	44078	41095	2.5	45.23	-2214	-5796	SLD 9	7259	48385	45105	2.5	20.38	Si
1876	4X/2Y Ø8/10	909	-5684	SLD 13	8274	44078	41076	2.5	45.2	-2214	-5645	SLD 9	7238	48385	45083	2.5	20.37	Si
1910	4X/2Y Ø8/10	909	-5535	SLD 13	8256	44078	41056	2.5	45.18	-2214	-5495	SLD 9	7218	48385	45062	2.5	20.36	Si
1930	2X/2Y Ø8/10	-260	-2754	SLD 11	4126	22039	20526	2.5	78.98	-1108	-2898	SLD 7	4118	21832	20352	2.5	18.38	Si
1960	2X/2Y Ø8/10	-260	-2687	SLD 11	4118	22039	20518	2.5	78.95	-1108	-2830	SLD 7	4109	21832	20343	2.5	18.37	Si
1990	2X/2Y Ø8/10	-260	-2619	SLD 11	4109	22039	20509	2.5	78.91	-1108	-2763	SLD 7	4101	21832	20334	2.5	18.36	Si
2020	2X/2Y Ø8/10	-260	-2552	SLD 11	4101	22039	20500	2.5	78.88	-1108	-2695	SLD 7	4093	21832	20326	2.5	18.35	Si
2050	2X/2Y Ø8/10	-260	-2484	SLD 11	4093	22039	20492	2.5	78.85	-1108	-2628	SLD 7	4084	21832	20317	2.5	18.34	Si
2080	2X/2Y Ø8/10	-260	-2417	SLD 11	4084	22039	20483	2.5	78.81	-1108	-2560	SLD 7	4076	21832	20309	2.5	18.34	Si
2110	2X/2Y Ø8/10	-260	-2349	SLD 11	4076	22039	20474	2.5	78.78	-1108	-2493	SLD 7	4068	21832	20300	2.5	18.33	Si
2140	2X/2Y Ø8/10	-260	-2282	SLD 11	4067	22039	20466	2.5	78.75	-1108	-2425	SLD 7	4059	21832	20291	2.5	18.32	Si
2170	2X/2Y Ø8/10	-260	-2214	SLD 11	4059	22039	20457	2.5	78.71	-1108	-2358	SLD 7	4051	21832	20283	2.5	18.31	Si
2200	2X/2Y Ø8/10	-260	-2148	SLD 11	4051	22039	20448	2.5	78.68	-1108	-2292	SLD 7	4043	21832	20274	2.5	18.31	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	334430	-9064	-86884	SLE RA 13	-58	334430	-9064	-86884	SLE RA 13	-823.5	Si
-111	288351	-4250	-86756	SLE RA 13	-55.3	288351	-4250	-86756	SLE RA 13	-791.4	Si
-82	241466	648	-86625	SLE RA 13	-52.7	241466	648	-86625	SLE RA 13	-759.9	Si
-53	194580	5546	-86494	SLE RA 13	-50.9	194580	5546	-86494	SLE RA 13	-735.9	Si
-24	147695	10445	-86363	SLE RA 13	-49	147695	10445	-86363	SLE RA 13	-711.9	Si
5	100810	15343	-86232	SLE RA 13	-47.2	100810	15343	-86232	SLE RA 13	-687.9	Si
35	53925	20241	-86101	SLE RA 13	-45.4	53925	20241	-86101	SLE RA 13	-663.9	Si
64	7039	25139	-85970	SLE RA 13	-43.5	7039	25139	-85970	SLE RA 13	-639.9	Si
93	-39846	30038	-85839	SLE RA 13	-45.5	-39846	30038	-85839	SLE RA 13	-662.5	Si
122	-86731	34936	-85709	SLE RA 13	-48.1	-86731	34936	-85709	SLE RA 13	-693.3	Si
151	-133616	39834	-85578	SLE RA 13	-50.7	-133616	39834	-85578	SLE RA 13	-724.1	Si
180	-179696	44648	-85449	SLE RA 13	-53.3	-179696	44648	-85449	SLE RA 13	-754.3	Si
200	-158585	13200	-85269	SLE RA 13	-49.3	-158585	13200	-85269	SLE RA 13	-712.9	Si
232	-93361	-13938	-85127	SLE RA 13	-46.2	-93361	-13938	-85127	SLE RA 13	-674.5	Si
264	-27101	-41506	-84983	SLE RA 13	-45.5	-27101	-41506	-84983	SLE RA 13	-659.1	Si
296	39158	-69074	-84839	SLE RA 13	-48.5	75223	-48884	-85083	SLE RA 12	-694.4	Si
328	105417	-96643	-84695	SLE RA 13	-54.1	105417	-96643	-84695	SLE RA 13	-751.5	Si
360	170641	-123780	-84553	SLE RA 13	-59.6	170641	-123780	-84553	SLE RA 13	-812.6	Si
380	8431	85793	-73061	SLE RA 12	-43	8431	85793	-73061	SLE RA 12	-602.2	Si
414	-24677	84416	-72912	SLE RA 12	-43.6	-24677	84416	-72912	SLE RA 12	-609.4	Si
448	-58282	83018	-72760	SLE RA 12	-45	-89521	64809	-72501	SLE RA 13	-627.1	Si
481	-115058	77488	-72349	SLE RA 13	-47	-115058	77488	-72349	SLE RA 13	-652.1	Si
515	-140596	90167	-72197	SLE RA 13	-49.3	-140596	90167	-72197	SLE RA 13	-677.2	Si
535	41468	-52449	-68894	SLE RA 12	-39.5	41468	-52449	-68894	SLE RA 12	-562.3	Si
569	30892	-47379	-68743	SLE RA 12	-38.5	30892	-47379	-68743	SLE RA 12	-550.6	Si
603	20315	-42308	-68591	SLE RA 12	-37.5	20315	-42308	-68591	SLE RA 12	-538.8	Si
636	9738	-37238	-68439	SLE RA 12	-36.4	9738	-37238	-68439	SLE RA 12	-527.1	Si
670	-946	-33917	-68013	SLE RA 13	-35.5	-682	-32242	-68289	SLE RA 12	-516.8	Si
690	54037	39901	-61584	SLE RA 12	-35.5	54037	39901	-61584	SLE RA 12	-506.4	Si
724	33180	41406	-61432	SLE RA 12	-34.6	33180	41406	-61432	SLE RA 12	-494.5	Si
758	12323	42910	-61280	SLE RA 12	-33.7	12323	42910	-61280	SLE RA 12	-482.5	Si
791	-8534	44414	-61128	SLE RA 12	-33.6	-8534	44414	-61128	SLE RA 12	-480.5	Si
825	-29082	45897	-60979	SLE RA 12	-34.6	-29082	45897	-60979	SLE RA 12	-492.8	Si
845	168597	-100151	-56968	SLE RA 12	-44.3	168597	-100151	-56968	SLE RA 12	-593.6	Si
879	153971	-93594	-56819	SLE RA 12	-42.9	153971	-93594	-56819	SLE RA 12	-578.2	Si
913	139126	-86938	-56667	SLE RA 12	-41.5	139126	-86938	-56667	SLE RA 12	-562.6	Si
946	124280	-80281	-56515	SLE RA 12	-40.1	124280	-80281	-56515	SLE RA 12	-546.9	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
980	111474	-73844	-56162	SLE RA 13	-38.8	109434	-73625	-56363	SLE RA 12	-531.3	Si
1000	-99543	99728	-44388	SLE RA 12	-35	-99543	99728	-44388	SLE RA 12	-463.1	Si
1034	-110234	94847	-44238	SLE RA 12	-34.9	-110234	94847	-44238	SLE RA 12	-464	Si
1068	-121085	89891	-44086	SLE RA 12	-34.9	-121085	89891	-44086	SLE RA 12	-464.9	Si
1101	-131935	84936	-43934	SLE RA 12	-34.9	-131935	84936	-43934	SLE RA 12	-465.7	Si
1135	-142786	79981	-43782	SLE RA 12	-34.9	-142786	79981	-43782	SLE RA 12	-466.6	Si
1155	79342	-83673	-39262	SLE RA 12	-30.1	79342	-83673	-39262	SLE RA 12	-400.5	Si
1189	41648	-78735	-39110	SLE RA 12	-27.8	41648	-78735	-39110	SLE RA 12	-373.1	Si
1223	3955	-73798	-38958	SLE RA 12	-25.5	3955	-73798	-38958	SLE RA 12	-346.1	Si
1256	-33738	-68861	-38806	SLE RA 12	-26.4	-33738	-68861	-38806	SLE RA 12	-357.6	Si
1290	-71432	-63924	-38654	SLE RA 12	-27.6	-71432	-63924	-38654	SLE RA 12	-374.1	Si
1310	26080	64064	-31559	SLE RA 13	-22.1	26080	64064	-31559	SLE RA 13	-297.1	Si
1344	13468	67754	-31409	SLE RA 13	-21.8	13468	67754	-31409	SLE RA 13	-291.9	Si
1378	-1790	71168	-31377	SLE RA 12	-21.5	-1790	71168	-31377	SLE RA 12	-288.9	Si
1411	-15384	76408	-31225	SLE RA 12	-22.6	-15384	76408	-31225	SLE RA 12	-299.4	Si
1445	-28979	81648	-31073	SLE RA 12	-23.6	-28979	81648	-31073	SLE RA 12	-310.9	Si
1465	203823	-88963	-26370	SLE RA 12	-30.3	203823	-88963	-26370	SLE RA 12	-385.9	Si
1499	165800	-91400	-26220	SLE RA 12	-28.7	165800	-91400	-26220	SLE RA 12	-364.8	Si
1533	127206	-93873	-26068	SLE RA 12	-27	127206	-93873	-26068	SLE RA 12	-343.4	Si
1566	88612	-96347	-25916	SLE RA 12	-25.3	88612	-96347	-25916	SLE RA 12	-321.9	Si
1600	52057	-98156	-25711	SLE RA 13	-23.7	52057	-98156	-25711	SLE RA 13	-300.7	Si
1620	-155319	59611	-13899	SLE RA 13	-19.4	-155319	59611	-13899	SLE RA 13	-242.6	Si
1654	-138287	64692	-13805	SLE RA 12	-19	-138287	64692	-13805	SLE RA 12	-236.5	Si
1688	-120451	72055	-13653	SLE RA 12	-18.8	-120451	72055	-13653	SLE RA 12	-231.5	Si
1721	-102616	79418	-13501	SLE RA 12	-18.5	-102616	79418	-13501	SLE RA 12	-226.5	Si
1755	-84780	86780	-13349	SLE RA 12	-18.3	-84780	86780	-13349	SLE RA 12	-221.5	Si
1775	176066	-96403	-8203	SLE RA 13	-21.1	176066	-96403	-8203	SLE RA 13	-246.6	Si
1809	140004	-79127	-8051	SLE RA 13	-17.7	140004	-79127	-8051	SLE RA 13	-209.2	Si
1843	103942	-61850	-7899	SLE RA 13	-14.3	103942	-61850	-7899	SLE RA 13	-171.8	Si
1876	67880	-44574	-7747	SLE RA 13	-11	67880	-44574	-7747	SLE RA 13	-134.4	Si
1910	32353	-27554	-7598	SLE RA 13	-6.8	32353	-27554	-7598	SLE RA 13	-85.4	Si
1930	45115	38486	-3113	SLE RA 12	-19.6	45115	38486	-3113	SLE RA 12	-207.1	Si
1960	23503	34477	-3045	SLE RA 12	-14.4	23503	34477	-3045	SLE RA 12	-155.4	Si
1990	1892	30467	-2978	SLE RA 12	-8.5	1892	30467	-2978	SLE RA 12	-97	Si
2020	-19719	26458	-2910	SLE RA 12	-11.1	-19719	26458	-2910	SLE RA 12	-122	Si
2050	-41330	22448	-2843	SLE RA 12	-14.5	-41330	22448	-2843	SLE RA 12	-154	Si
2080	-62942	18439	-2775	SLE RA 12	-17.8	-62942	18439	-2775	SLE RA 12	-185.9	Si
2110	-84553	14429	-2708	SLE RA 12	-34.4	-84553	14429	-2708	SLE RA 12	613.8	Si
2140	-106164	10420	-2640	SLE RA 12	-40.7	-106164	10420	-2640	SLE RA 12	810.2	Si
2170	-127775	6410	-2573	SLE RA 12	-46.8	-127775	6410	-2573	SLE RA 12	1007.2	Si
2200	-149027	2468	-2506	SLE RA 12	-52.8	-149027	2468	-2506	SLE RA 12	1201.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	215656	-9294	-74662	SLE QP 2	-46.6	Si
-111	184733	-6738	-74534	SLE QP 2	-44.8	Si
-82	153269	-4137	-74403	SLE QP 2	-43	Si
-53	121805	-1536	-74272	SLE QP 2	-41.3	Si
-24	90341	1065	-74141	SLE QP 2	-39.7	Si
5	58877	3666	-74010	SLE QP 2	-38.3	Si
35	27413	6267	-73879	SLE QP 2	-37	Si
64	-4051	8868	-73748	SLE QP 2	-36.1	Si
93	-35515	11469	-73617	SLE QP 2	-37.8	Si
122	-66979	14069	-73486	SLE QP 2	-39.4	Si
151	-98443	16670	-73355	SLE QP 2	-41.1	Si
180	-129366	19227	-73227	SLE QP 2	-42.7	Si
200	-117767	-6792	-73165	SLE QP 2	-41	Si
232	-58889	-17675	-73024	SLE QP 2	-39.2	Si
264	924	-28730	-72880	SLE QP 2	-37.3	Si
296	60737	-39785	-72736	SLE QP 2	-41.1	Si
328	120550	-50840	-72592	SLE QP 2	-44.9	Si
360	179428	-61723	-72450	SLE QP 2	-48.6	Si
380	11606	70786	-62398	SLE QP 2	-36.7	Si
414	-15813	69104	-62249	SLE QP 2	-36.7	Si
448	-43644	67397	-62097	SLE QP 2	-37.8	Si
481	-71475	65690	-61945	SLE QP 2	-38.9	Si
515	-99305	63983	-61793	SLE QP 2	-40	Si
535	32664	-40369	-58991	SLE QP 2	-33.3	Si
569	24472	-38103	-58839	SLE QP 2	-32.6	Si
603	16279	-35838	-58687	SLE QP 2	-32	Si
636	8086	-33572	-58536	SLE QP 2	-31.3	Si
670	15	-31340	-58386	SLE QP 2	-30.6	Si
690	43054	35775	-52250	SLE QP 2	-30.2	Si
724	26550	36207	-52098	SLE QP 2	-29.4	Si
758	10046	36639	-51946	SLE QP 2	-28.5	Si
791	-6459	37071	-51794	SLE QP 2	-28.3	Si
825	-22718	37496	-51645	SLE QP 2	-29.1	Si
845	134907	-78044	-48465	SLE QP 2	-36.6	Si
879	123115	-74352	-48315	SLE QP 2	-35.6	Si
913	111146	-70604	-48164	SLE QP 2	-34.6	Si
946	99176	-66856	-48012	SLE QP 2	-33.7	Si
980	87207	-63108	-47860	SLE QP 2	-32.7	Si
1000	-79898	82422	-37608	SLE QP 2	-29.2	Si
1034	-88324	77876	-37458	SLE QP 2	-29.1	Si
1068	-96876	73262	-37306	SLE QP 2	-29	Si
1101	-105429	68649	-37154	SLE QP 2	-29	Si
1135	-113981	64035	-37002	SLE QP 2	-28.9	Si
1155	63421	-66017	-33406	SLE QP 2	-24.9	Si
1189	32624	-64660	-33255	SLE QP 2	-23.3	Si
1223	1827	-63303	-33103	SLE QP 2	-21.6	Si
1256	-28970	-61946	-32951	SLE QP 2	-22.7	Si
1290	-59767	-60589	-32799	SLE QP 2	-24	Si
1310	19526	54768	-26419	SLE QP 2	-18.5	Si
1344	9245	57783	-26269	SLE QP 2	-18.2	Si
1378	-1190	60842	-26117	SLE QP 2	-18	Si
1411	-11626	63902	-25965	SLE QP 2	-18.8	Si
1445	-22061	66962	-25814	SLE QP 2	-19.5	Si
1465	163795	-68749	-22071	SLE QP 2	-24.5	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
1499	132721	-72702	-21921	SLE QP 2	-23.4	Si
1533	101179	-76714	-21769	SLE QP 2	-22.2	Si
1566	69637	-80726	-21617	SLE QP 2	-21	Si
1600	38096	-84739	-21465	SLE QP 2	-19.8	Si
1620	-128369	46121	-11375	SLE QP 2	-15.7	Si
1654	-112921	51701	-11225	SLE QP 2	-15.4	Si
1688	-97241	57366	-11073	SLE QP 2	-15.1	Si
1721	-81561	63030	-10921	SLE QP 2	-14.8	Si
1755	-65881	68694	-10769	SLE QP 2	-14.5	Si
1775	141307	-77563	-6667	SLE QP 2	-17	Si
1809	112302	-63186	-6515	SLE QP 2	-14.2	Si
1843	83296	-48809	-6363	SLE QP 2	-11.4	Si
1876	54291	-34433	-6211	SLE QP 2	-8.7	Si
1910	25715	-20269	-6062	SLE QP 2	-5.2	Si
1930	36189	31045	-2550	SLE QP 2	-15.8	Si
1960	18940	27809	-2482	SLE QP 2	-11.6	Si
1990	1691	24573	-2415	SLE QP 2	-6.9	Si
2020	-15558	21337	-2347	SLE QP 2	-8.9	Si
2050	-32807	18101	-2280	SLE QP 2	-11.6	Si
2080	-50057	14864	-2212	SLE QP 2	-14.2	Si
2110	-67306	11628	-2145	SLE QP 2	-16.9	Si
2140	-84555	8392	-2077	SLE QP 2	-32.5	Si
2170	-101804	5156	-2010	SLE QP 2	-37.3	Si
2200	-118766	1974	-1943	SLE QP 2	-42.1	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

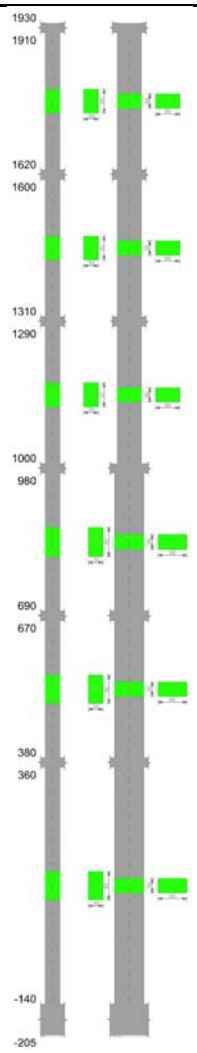
Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 1455 in quanto nodo interno a piastra.
per il nodo Appoggio 525 in quanto nodo interno a piastra.
per il nodo Appoggio 835 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 190 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 2220 in quanto elemento di estremità superiore alla pilastrata.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 1145 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 1765 in quanto nodo interno a piastra.

Pilastro 24

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60	No	No	No	No		C30/37	B450C	
380	670	R 30x60	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	
1620	1910	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.10	-9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	-9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.11	-9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	-9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	466176	466176	-171862	818158	818158	SLU 51	1.755	Si
-111	20.11	2.2	0	1,2	465717	465717	-171693	818158	818158	SLU 51	1.757	Si
-81	20.11	1.1	0	2	465251	465251	-171521	818158	818158	SLU 51	1.759	Si
-52	20.11	1.1	0	2	464784	464784	-171349	818158	818158	SLU 51	1.76	Si
-22	20.11	1.1	0	2	464317	464317	-171177	818158	818158	SLU 51	1.762	Si
7	20.11	1.1	0	2	463850	463850	-171005	818158	818158	SLU 51	1.764	Si
36	20.11	1.1	0	2	463384	463384	-170833	818158	818158	SLU 51	1.766	Si
66	20.11	1.1	0	2	462917	462917	-170661	818158	818158	SLU 51	1.767	Si
95	20.11	1.1	0	2	462450	462450	-170489	818158	818158	SLU 51	1.769	Si
125	20.11	1.1	0	2	-461979	461979	-170315	-818158	818158	SLU 51	1.771	Si
154	20.11	1.1	0	2	-461517	461517	-170144	-818158	818158	SLU 51	1.773	Si
184	20.11	1.1	0	2	-461050	461050	-169972	-818158	818158	SLU 51	1.775	Si
213	20.11	1.1	0	2	-460590	-460590	-169803	-818158	-818158	SLU 51	1.776	Si
242	20.11	1.1	0	2	-460117	-460117	-169628	-818158	-818158	SLU 51	1.778	Si
272	20.11	1.1	0	2	-459650	-459650	-169456	-818158	-818158	SLU 51	1.78	Si
301	20.11	1.1	0	2	-459183	-459183	-169284	-818158	-818158	SLU 51	1.782	Si
331	20.11	1.1	0	2	-458717	-458717	-169112	-818158	-818158	SLU 51	1.784	Si
360	20.11	1.1	0	2	-458258	-458258	-168943	-818158	-818158	SLU 51	1.785	Si
380	20.11	2.2	0	2,3	277180	277180	-138590	647491	647491	SLU 51	2.336	Si
409	20.11	2.2	0	2,3	276846	276846	-138423	647491	647491	SLU 51	2.339	Si
438	20.11	1.1	0	3	276507	276507	-138254	647491	647491	SLU 51	2.342	Si
467	20.11	1.1	0	3	276168	276168	-138084	647491	647491	SLU 51	2.345	Si
496	20.11	1.1	0	3	275828	-275828	-137914	647491	-647491	SLU 51	2.347	Si
525	20.11	1.1	0	3	275489	-275489	-137745	647491	-647491	SLU 51	2.35	Si
554	20.11	1.1	0	3	275150	-275150	-137575	647491	-647491	SLU 51	2.353	Si
583	20.11	1.1	0	3	274811	-274811	-137405	647491	-647491	SLU 51	2.356	Si
612	20.11	1.1	0	3	274471	-274471	-137236	647491	-647491	SLU 51	2.359	Si
641	20.11	1.1	0	3	274132	-274132	-137066	647491	-647491	SLU 51	2.362	Si
670	20.11	1.1	0	3	273793	-273793	-136896	647491	-647491	SLU 51	2.365	Si
690	20.11	2.2	0	3,4,6,7	-224036	224036	-112018	-647491	647491	SLU 51	2.89	Si
719	20.11	2.2	0	3,4,6,7	-223702	223702	-111851	-647491	647491	SLU 51	2.894	Si
748	20.11	1.1	0	4,6,7	-223363	223363	-111681	-647491	647491	SLU 51	2.899	Si
777	20.11	1.1	0	4,6,7	-223024	223024	-111512	-647491	647491	SLU 51	2.903	Si
806	20.11	1.1	0	4,6,7	-222684	222684	-111342	-647491	647491	SLU 51	2.908	Si
835	20.11	1.1	0	4,6,7	-222345	222345	-111173	-647491	647491	SLU 51	2.912	Si
864	20.11	1.1	0	4,6,7	-222006	222006	-111003	-647491	647491	SLU 51	2.917	Si
893	20.11	1.1	0	4,6,7	-221666	-221666	-110833	-647491	-647491	SLU 51	2.921	Si
922	20.11	1.1	0	4,6,7	-221327	-221327	-110664	-647491	-647491	SLU 51	2.925	Si
951	20.37	1.6	0	4,5,6,7	-220988	-220988	-110494	-649217	-649217	SLU 51	2.938	Si
980	27.42	2	0	4,5,6,7	-220654	-220654	-110327	-695580	-695580	SLU 51	3.152	Si
1000	20.11	2.4	0	5,6,7,8	159953	159953	-79976	556148	556148	SLU 51	3.477	Si
1029	17.8	2.4	0	5,6,7,8	159670	159670	-79835	541580	541580	SLU 51	3.392	Si
1058	16.08	1.1	0	8	159387	159387	-79694	530708	530708	SLU 51	3.33	Si
1087	16.08	1.1	0	8	159105	159105	-79552	530708	530708	SLU 51	3.336	Si
1116	16.08	1.1	0	8	158822	-158822	-79411	530708	-530708	SLU 51	3.342	Si
1145	16.08	1.1	0	8	158539	-158539	-79270	530708	-530708	SLU 51	3.347	Si
1174	16.08	1.1	0	8	158256	-158256	-79128	530708	-530708	SLU 51	3.353	Si
1203	16.08	1.1	0	8	157974	-157974	-78987	530708	-530708	SLU 51	3.359	Si
1232	16.08	1.1	0	8	157691	-157691	-78845	530708	-530708	SLU 51	3.365	Si
1261	16.08	1.1	0	8	157408	-157408	-78704	530708	-530708	SLU 51	3.372	Si
1290	16.08	1.1	0	8	157125	-157125	-78563	530708	-530708	SLU 51	3.378	Si
1310	16.08	2.1	0	8,9	-106261	143209	-53130	-502674	677459	SLU 51	4.731	Si
1339	16.08	2.1	0	8,9	-105983	123530	-52991	-517604	603300	SLU 51	4.884	Si
1368	16.08	1.1	0	9	-105700	105700	-52850	-530708	530708	SLU 51	5.021	Si
1397	16.08	1.1	0	9	-105417	105417	-52709	-530708	530708	SLU 51	5.034	Si
1426	16.08	1.1	0	9	-105135	105135	-52567	-530708	530708	SLU 51	5.048	Si
1455	16.08	1.1	0	9	-104852	104852	-52426	-530708	530708	SLU 51	5.062	Si
1484	16.08	1.1	0	9	-104569	104569	-52285	-530708	530708	SLU 51	5.075	Si
1513	16.08	1.1	0	9	-104286	104286	-52143	-530708	530708	SLU 51	5.089	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1542	16.08	1.1	0	9	-104004	-104004	-52002	-530708	-530708	SLU 51	5.103	Si
1571	16.08	1.1	0	9	-103721	-103721	-51860	-530708	-530708	SLU 51	5.117	Si
1600	16.08	1.1	0	9	-103438	-103438	-51719	-530708	-530708	SLU 51	5.131	Si
1620	16.08	2.1	0	9,10,11	148416	163166	-19332	1007449	1107576	SLU 51	6.788	Si
1649	16.08	2.1	0	9,10,11	138629	110188	-19193	1172786	932182	SLU 51	8.46	Si
1678	16.08	1.1	0	10,11	128671	56281	-19052	1369336	598957	SLU 51	10.642	Si
1707	16.08	1.1	0	10,11	118713	37820	-18910	1382939	440588	SLU 51	11.649	Si
1736	16.08	1.1	0	10,11	108754	-51532	-18769	1248270	-591483	SLU 51	11.478	Si
1765	16.08	1.1	0	10,11	98796	-105439	-18627	938254	-1001343	SLU 51	9.497	Si
1794	16.08	1.1	0	10,11	88838	-159346	-18486	687986	-1234021	SLU 51	7.744	Si
1823	16.08	1.1	0	10,11	78880	-213253	-18345	504272	-1363310	SLU 51	6.393	Si
1852	16.08	1.1	0	10,11	68922	-267160	-18203	365807	-1417975	SLU 51	5.308	Si
1881	16.08	1.1	0	10,11	58963	-321067	-18062	254276	-1384581	SLU 51	4.312	Si
1910	16.08	1.1	0	10,11	49177	-374045	-17923	169786	-1291409	SLU 51	3.453	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	1471202	-28588	-112601	-2.02	1.92	2533067	-49222	SLV 13	1.722				Si
-111	20.11	2.2	0	1,2	1357133	-26335	-112471	-2.02	1.92	2462186	-47778	SLV 13	1.814				Si
-81	20.11	1.1	0	2	1241108	-24042	-112338	-2.02	1.92	2373281	-45974	SLV 13	1.912				Si
-52	20.11	1.1	0	2	1125108	-21750	-112206	-2.02	1.92	2265689	-43799	SLV 13	2.014				Si
-22	20.11	1.1	0	2	1009140	-19459	-112074	-2.02	1.92	2137654	-41219	SLV 13	2.118				Si
7	20.11	1.1	0	2	893213	-17168	-111941	-2.02	1.92	1987638	-38204	SLV 13	2.225				Si
36	20.11	1.1	0	2	777346	-14880	-111809	-2.02	1.92	1817348	-34787	SLV 13	2.338				Si
66	20.11	1.1	0	2	661573	-12593	-111677	-2.02	1.92	1628817	-31005	SLV 13	2.462				Si
95	20.11	1.1	0	2	545937	-10311	-111544	-2.02	1.92	1419402	-26809	SLV 13	2.6				Si
125	20.11	1.1	0	2	382270	-8016	-111411	-2.02	1.92	1078416	-22613	SLV 13	2.821				Si
154	20.11	1.1	0	2	-78788	31044	-114430	-2.02	1.92	-226710	89327	SLV 9	2.877				Si
184	20.11	1.1	0	2	-77458	12314	-114297	-2.02	1.92	-223142	35475	SLV 9	2.881				Si
213	20.11	1.1	0	2	-77923	-10029	-114167	-2.02	1.92	-224737	-28924	SLV 9	2.884				Si
242	20.11	1.1	0	2	-94093	-26436	-114033	-2.02	1.92	-271694	-76333	SLV 9	2.888				Si
272	20.11	1.1	0	2	-161974	-44828	-113900	-2.02	1.92	-468244	-129592	SLV 9	2.891				Si
301	20.11	1.1	0	2	-238504	-63444	-113768	-2.02	1.92	-683092	-181709	SLV 9	2.864				Si
331	20.11	1.1	0	2	-322793	-82122	-113636	-2.02	1.92	-875809	-222815	SLV 9	2.713				Si
360	20.11	1.1	0	2	-407138	-100505	-113506	-2.02	1.92	-1049554	-259089	SLV 9	2.578				Si
380	20.11	2.2	0	2,3	-31755	193883	-93316	-2.02	1.92	-103132	629673	SLV 5	3.248				Si
409	20.11	2.2	0	2,3	-21783	153300	-93188	-2.02	1.92	-74454	523975	SLV 5	3.418				Si
438	20.11	1.1	0	3	-15983	112101	-93058	-2.02	1.92	-56552	396653	SLV 5	3.538				Si
467	20.11	1.1	0	3	34087	71138	-92927	-2.02	1.92	120781	252066	SLV 5	3.543				Si
496	20.11	1.1	0	3	36016	31039	-92797	-2.02	1.92	127795	110137	SLV 5	3.548				Si
525	20.11	1.1	0	3	37168	-7416	-92666	-2.02	1.92	132070	-26350	SLV 5	3.553				Si
554	20.11	1.1	0	3	37698	-51097	-92536	-2.02	1.92	134140	-181820	SLV 5	3.558				Si
583	20.11	1.1	0	3	37767	-85865	-92405	-2.02	1.92	134576	-305964	SLV 5	3.563				Si
612	20.11	1.1	0	3	204633	-114910	-89674	-2.02	1.92	688068	-386381	SLV 1	3.362				Si
641	20.11	1.1	0	3	237206	-148135	-89543	-2.02	1.92	758746	-473836	SLV 1	3.199				Si
670	20.11	1.1	0	3	232246	-221135	-92014	-2.02	1.92	680043	-647507	SLV 5	2.928				Si
690	20.11	2.2	0	3,4,6,7	124682	198699	-75048	-2.02	1.92	453237	722299	SLV 9	3.635				Si
719	20.11	2.2	0	3,4,6,7	84967	163932	-74920	-2.02	1.92	329729	636162	SLV 9	3.881				Si
748	20.11	1.1	0	4,6,7	-40754	150195	-72991	-2.02	1.92	-168224	619967	SLV 5	4.128				Si
777	20.11	1.1	0	4,6,7	-55572	107930	-72860	-2.02	1.92	-241977	469960	SLV 5	4.354				Si
806	20.11	1.1	0	4,6,7	-24547	66763	-74528	-2.02	1.92	-108449	294961	SLV 9	4.418				Si
835	20.11	1.1	0	4,6,7	-70699	18681	-74398	-2.02	1.92	-312901	82680	SLV 9	4.426				Si
864	20.11	1.1	0	4,6,7	-81853	-15754	-74267	-2.02	1.92	-362904	-69847	SLV 9	4.434				Si
893	20.11	1.1	0	4,6,7	-79054	-50329	-74137	-2.02	1.92	-351109	-223531	SLV 9	4.441				Si
922	20.11	1.1	0	4,6,7	-223713	-85497	-74006	-2.02	1.92	-889133	-339802	SLV 9	3.974				Si
951	20.37	1.6	0	4,5,6,7	-263392	-120817	-73876	-2.02	1.92	-983572	-451160	SLV 9	3.734				Si
980	27.42	2	0	4,5,6,7	-303168	-155588	-73748	-2.02	1.92	-1139918	-585014	SLV 9	3.76				Si
1000	20.11	2.4	0	5,6,7,8	156530	131989	-53579	-2.02	1.92	648285	546648	SLV 9	4.142				Si
1029	17.8	2.4	0	5,6,7,8	137577	101746	-53470	-2.02	1.92	595362	440306	SLV 9	4.327				Si
1058	16.08	1.1	0	8	120063	71594	-53361	-2.02	1.92	546994	326176	SLV 9	4.556				Si
1087	16.08	1.1	0	8	105625	41673	-53253	-2.02	1.92	515617	203431	SLV 9	4.882				Si
1116	16.08	1.1	0	8	86137	12682	-53144	-2.02	1.92	440492	64852	SLV 9	5.114				Si
1145	16.08	1.1	0	8	52313	-26204	-53035	-2.02	1.92	268068	-134279	SLV 9	5.124				Si
1174	16.08	1.1	0	8	5572	-53103	-52926	-2.02	1.92	28610	-272678	SLV 9	5.135				Si
1203	16.08	1.1	0	8	41551	-94788	-51432	-2.02	1.92	202347	-461602	SLV 5	4.87				Si
1232	16.08	1.1	0	8	148017	-109701	-46561	-2.02	1.92	674892	-500188	SLV 1	4.56				Si
1261	16.08	1.1	0	8	164592	-138982	-46452	-2.02	1.92	701663	-592483	SLV 1	4.263				Si
1290	16.08	1.1	0	8	181981	-168364	-46343	-2.02	1.92	724014	-669838	SLV 1	3.979				Si
1310	16.08	2.1	0	8,9	-147745	182397	-34501	-2.02	1.92	-673258	831163	SLV 5	4.557				Si
1339	16.08	2.1	0	8,9	-134116	133930	-34394	-2.02	1.92	-704225	703245	SLV 5	5.251				Si
1368	16.08	1.1	0	9	-127148	109421	-34285	-2.02	1.92	-716757	616822	SLV 5	5.637				Si
1397	16.08	1.1	0	9	-127337	85847	-34177	-2.02	1.92	-760276	512554	SLV 5	5.971				Si
1426	16.08	1.1	0	9	-128396	76420	-35131	-2.02	1.92	-768791	457577	SLV 9	5.988				Si
1455	16.08	1.1	0	9	-146926	44563	-35022	-2.02	1.92	-919649	278932	SLV 9	6.259				Si
1484	16.08	1.1	0	9	-163782	-14826	-34913	-2.02	1.92	-1061893	-96125	SLV 9	6.484				Si
1513	16.08	1.1	0	9	-183088	-35248	-34805	-2.02	1.92	-1108955	-213497	SLV 9	6.057				Si
1542	16.08	1.1	0	9	-203785	-58303	-34696	-2.02	1.92	-1143824	-327251	SLV 9	5.613				Si
1571	16.08	1.1	0	9	-225312	-82556	-34587	-2.02	1.92	-1163604	-426353	SLV 9	5.164				Si
1600	16.08	1.1	0	9	-247368	-107395	-34478	-2.02	1.92	-1169467	-507722	SLV 9	4.728				Si
1620	16.08	2.1	0	9,10,11	149887	227776	-10357	-2.02	1.92	562685	855081	SLV 13	3.754				Si
1649	16.08	2.1	0	9,10,11	129754	169851	-10250	-2.02	1.92	669632	876562	SLV 13	5.161				Si
1678	16.08	1.1	0	10,11	205142	-66187	-9009	-2.02	1.92	1371786	-442589	SLV 7	6.687				Si
1707	16.08	1.1	0	10,11	191028	-58541	-8900	-2.02	1.92	1403311	-430049	SLV 7	7.346				Si
1736	16.08	1.1	0	10,11	163785	-42502	-8791	-2.02	1.92	1493148	-387471	SLV 7	9.117				Si
1765	16.08	1.1	0	10,11	160505	-61840	-10829	-2.02	1.92	1341411	-516819	SLV 3	8.357				Si
1794	16.08	1.1	0	10,11	139049	-129505	-11901	-2.02	1.92	861949	-802787	SLV 1	6.199				Si
1823	16.08	1.1	0	10,11	90412	-200511	-12402	-2.02	1.92	455488	-1010157	SLV 5	5.038				Si
1852	16.08	1.1	0	10,11	75426	-285040	-11635	-2.02	1.92	261898	-989733	SLV 9	3.472				Si
1881	16.08	1.1	0	10,11	84734	-354579	-11526	-2.02	1.92	216514	-906026	SLV 9	2.555				Si
1910	16.08	1.1	0	10,11	96164	-423018	-11419	-2.02	1.92	193857	-852764	SLV 9	2.016				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	664819	171	-108292	1681253	434	SLD 13	2.529	Si
-111	20.11	2.2	0	1,2	610019	10	-108162	1583445	27	SLD 13	2.596	Si
-81	20.11	1.1	0	2	554282	-154	-108030	1478251	-410	SLD 13	2.667	Si
-52	20.11	1.1	0	2	498558	-318	-107897	1367131	-872	SLD 13	2.742	Si
-22	20.11	1.1	0	2	442852	-483	-107765	1249603	-1362	SLD 13	2.822	Si
7	20.11	1.1	0	2	387171	-648	-107633	1125107	-1883	SLD 13	2.906	Si
36	20.11	1.1	0	2	331522	-814	-107500	993029	-2439	SLD 13	2.995	Si
66	20.11	1.1	0	2	201210	38014	-108598	610072	115258	SLD 9	3.032	Si
95	20.11	1.1	0	2	157083	29588	-108466	476860	89822	SLD 9	3.036	Si
125	20.11	1.1	0	2	51344	21101	-108332	156059	64136	SLD 9	3.039	Si
154	20.11	1.1	0	2	-43992	12857	-108201	-133873	39127	SLD 9	3.043	Si
184	20.11	1.1	0	2	-53577	4476	-108068	-163241	13639	SLD 9	3.047	Si
213	20.11	1.1	0	2	-63777	-5873	-107938	-194556	-17917	SLD 9	3.051	Si
242	20.11	1.1	0	2	-80882	-13267	-107804	-247040	-40523	SLD 9	3.054	Si
272	20.11	1.1	0	2	-119595	-21527	-107671	-365733	-65831	SLD 9	3.058	Si
301	20.11	1.1	0	2	-159269	-29910	-107539	-487659	-91582	SLD 9	3.062	Si
331	20.11	1.1	0	2	-202217	-38330	-107407	-619923	-117506	SLD 9	3.066	Si
360	20.11	1.1	0	2	-245129	-46620	-107277	-744914	-141671	SLD 9	3.039	Si
380	20.11	2.2	0	2,3	9989	111635	-88140	37316	417042	SLD 5	3.736	Si
409	20.11	2.2	0	2,3	15178	86802	-88012	56783	324744	SLD 5	3.741	Si
438	20.11	1.1	0	3	18980	61592	-87881	71113	230772	SLD 5	3.747	Si
467	20.11	1.1	0	3	44989	36525	-87751	168813	137056	SLD 5	3.752	Si
496	20.11	1.1	0	3	47560	11965	-87620	178727	44964	SLD 5	3.758	Si
525	20.11	1.1	0	3	49843	-12020	-87490	187584	-45238	SLD 5	3.764	Si
554	20.11	1.1	0	3	51886	-39458	-87359	195567	-148723	SLD 5	3.769	Si
583	20.11	1.1	0	3	53745	-62003	-87229	202875	-234048	SLD 5	3.775	Si
612	20.11	1.1	0	3	125608	-82477	-86081	473150	-310679	SLD 1	3.767	Si
641	20.11	1.1	0	3	140001	-104587	-85950	510193	-381135	SLD 1	3.644	Si
670	20.11	1.1	0	3	138504	-142310	-86837	479911	-493099	SLD 5	3.465	Si
690	20.11	2.2	0	3,4,6,7	-138523	133627	-67694	-584611	563945	SLD 1	4.22	Si
719	20.11	2.2	0	3,4,6,7	-130413	111741	-67566	-571212	489431	SLD 1	4.38	Si
748	20.11	1.1	0	4,6,7	-59193	99603	-69945	-269173	452936	SLD 5	4.547	Si
777	20.11	1.1	0	4,6,7	-40469	68483	-70541	-188899	319663	SLD 9	4.668	Si
806	20.11	1.1	0	4,6,7	-55681	49468	-70411	-260389	231332	SLD 9	4.676	Si
835	20.11	1.1	0	4,6,7	-79580	20718	-70280	-372841	97064	SLD 9	4.685	Si
864	20.11	1.1	0	4,6,7	-88448	-1711	-70150	-415160	-8031	SLD 9	4.694	Si
893	20.11	1.1	0	4,6,7	-90849	-24010	-70019	-427223	-112908	SLD 9	4.703	Si
922	20.11	1.1	0	4,6,7	-151562	-46654	-69889	-696689	-214457	SLD 9	4.597	Si
951	20.37	1.6	0	4,5,6,7	-169948	-69391	-69758	-750567	-306461	SLD 9	4.416	Si
980	27.42	2	0	4,5,6,7	-188471	-91772	-69630	-854934	-416291	SLD 9	4.536	Si
1000	20.11	2.4	0	5,6,7,8	101121	84036	-50496	499882	415427	SLD 9	4.943	Si
1029	17.8	2.4	0	5,6,7,8	93645	63493	-50387	474214	321527	SLD 9	5.064	Si
1058	16.08	1.1	0	8	86856	43004	-50278	453306	224440	SLD 9	5.219	Si
1087	16.08	1.1	0	8	81377	22646	-50170	440819	122672	SLD 9	5.417	Si
1116	16.08	1.1	0	8	72593	2772	-50061	394091	15049	SLD 9	5.429	Si
1145	16.08	1.1	0	8	56014	-22430	-49952	304751	-122034	SLD 9	5.441	Si
1174	16.08	1.1	0	8	35277	-41420	-49843	192349	-225839	SLD 9	5.452	Si
1203	16.08	1.1	0	8	90231	-60744	-47220	476106	-320514	SLD 1	5.276	Si
1232	16.08	1.1	0	8	95180	-80735	-47111	480925	-407935	SLD 1	5.053	Si
1261	16.08	1.1	0	8	100831	-100873	-47003	487993	-488199	SLD 1	4.84	Si
1290	16.08	1.1	0	8	106920	-121074	-46894	496147	-561825	SLD 1	4.64	Si
1310	16.08	2.1	0	8,9	-95163	126594	-32846	-550269	732015	SLD 5	5.782	Si
1339	16.08	2.1	0	8,9	-88823	99527	-32739	-556627	623704	SLD 5	6.267	Si
1368	16.08	1.1	0	9	-85293	82214	-32630	-562729	542415	SLD 5	6.598	Si
1397	16.08	1.1	0	9	-84542	65386	-32522	-584697	452211	SLD 5	6.916	Si
1426	16.08	1.1	0	9	-83437	55139	-32865	-589543	389598	SLD 9	7.066	Si
1455	16.08	1.1	0	9	-90153	33839	-32756	-667575	250570	SLD 9	7.405	Si
1484	16.08	1.1	0	9	-88023	15991	-32207	-693999	126080	SLD 13	7.884	Si
1513	16.08	1.1	0	9	-102276	-17095	-32539	-775806	-129670	SLD 9	7.585	Si
1542	16.08	1.1	0	9	-109511	-33774	-32430	-789006	-243337	SLD 9	7.205	Si
1571	16.08	1.1	0	9	-117141	-51004	-32321	-800402	-348502	SLD 9	6.833	Si
1600	16.08	1.1	0	9	-125025	-68530	-32213	-810231	-444110	SLD 9	6.481	Si
1620	16.08	2.1	0	9,10,11	113620	154799	-10631	658498	897157	SLD 13	5.796	Si
1649	16.08	2.1	0	9,10,11	102092	112568	-10524	777622	857417	SLD 13	7.617	Si
1678	16.08	1.1	0	10,11	135960	-10160	-9950	1776088	-132727	SLD 7	13.063	Si
1707	16.08	1.1	0	10,11	125778	-24239	-9841	1597347	-307825	SLD 7	12.7	Si
1736	16.08	1.1	0	10,11	108404	-33734	-9732	1423679	-443027	SLD 7	13.133	Si
1765	16.08	1.1	0	10,11	99087	-58564	-10554	1121861	-663061	SLD 3	11.322	Si
1794	16.08	1.1	0	10,11	85587	-104323	-10952	732440	-892785	SLD 1	8.558	Si
1823	16.08	1.1	0	10,11	63295	-151681	-11094	431399	-1033821	SLD 5	6.816	Si
1852	16.08	1.1	0	10,11	92827	-189188	-10985	484954	-988378	SLD 5	5.224	Si
1881	16.08	1.1	0	10,11	57606	-252685	-10585	233098	-1022473	SLD 9	4.046	Si
1910	16.08	1.1	0	10,11	61034	-299245	-10478	193923	-950785	SLD 9	3.177	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-235	-126634	SLU 33	15366	51792	52691	2.35	220.15	-1031	-171862	SLU 51	15029	48385	49970	2.5	46.94	Si
-111	5X/2Y Ø8/10	-235	-126465	SLU 33	15366	51792	52691	2.35	220.15	-1031	-171693	SLU 51	15029	48385	50029	2.5	46.94	Si
-81	5X/2Y Ø8/10	-235	-126293	SLU 33	15366	51792	52691	2.35	220.15	-1031	-171521	SLU 51	15029	48385	50090	2.5	46.94	Si
-52	5X/2Y Ø8/10	-235	-126121	SLU 33	15366	51792	52691	2.35	220.15	-1031	-171349	SLU 51	15029	48385	50151	2.5	46.94	Si
-22	5X/2Y Ø8/15	-235	-125949	SLU 33	15366	36732	50429	2.5	156.14	-1031	-171177	SLU 51	15029	32257	50212	2.5	31.29	Si
7	5X/2Y Ø8/15	-235	-125777	SLU 33	15366	36732	50429	2.5	156.14	-1031	-171005	SLU 51	15029	32257	50273	2.5	31.29	Si
36	5X/2Y Ø8/15	-235	-125605	SLU 33	15366	36732	50429	2.5	156.14	-1031	-170833	SLU 51	15029	32257	50333	2.5	31.29	Si
66	5X/2Y Ø8/15	-235	-125433	SLU 33	15366	36732	50429	2.5	156.14	-1031	-170661	SLU 51	15029	32257	50394	2.5	31.29	Si
95	5X/2Y Ø8/15	-235	-125261	SLU 33	15366	36732	50429	2.5	156.14	-1031	-170489	SLU 51	15029	32257	50455	2.5	31.29	Si
125	5X/2Y Ø8/15	-235	-125087	SLU 33	15366	36732	50429	2.5	156.14	-1031	-170315	SLU 51	15029	32257	50516	2.5	31.29	Si
154	5X/2Y Ø8/15	-235	-124917	SLU 33	15366	36732	50429	2.5	156.14	-1031	-170144	SLU 51	15029	32257	50577	2.5	31.29	Si
184	5X/2Y Ø8/15	-235	-124745	SLU 33	15366	36732	50429	2.5	156.14	-1031	-169972	SLU 51	15029	32257	50637	2.5	31.29	Si
213	5X/2Y Ø8/15	-235	-124575	SLU 33	15366	36732	50429	2.5	156.14	-1031	-169803	SLU 51	15029	32257	50697	2.5	31.29	Si
242	5X/2Y Ø8/10	-235	-124401	SLU 33	15366	51792	52691	2.35	220.15	-1031	-169628	SLU 51	15029	48385	50759	2.5	46.94	Si
272	5X/2Y Ø8/10	-235	-124229	SLU 33	15366	51792	52691	2.35	220.15	-1031	-169456	SLU 51	15029	48385	50820	2.5	46.94	Si
301	5X/2Y Ø8/10	-235	-124057	SLU 33	15366	51792	52691	2.35	220.15	-1031	-169284	SLU 51	15029	48385	50881	2.5	46.94	Si
331	5X/2Y Ø8/10	-235	-123884	SLU 33	15366	51792	52691	2.35	220.15	-1031	-169112	SLU 51	15029	48385	50942	2.5	46.94	Si
360	5X/2Y Ø8/10	-235	-123715	SLU 33	15366	51792	52691	2.35	220.15	-1031	-168943	SLU 51	15029	48385	51001	2.5	46.94	Si
380	5X/2Y Ø8/10	-805	-138590	SLU 51	15366	51792	52691	2.35	64.33	-214	-70978	SLU 2	15029	48385	54320	2.5	226.24	Si
409	5X/2Y Ø8/10	-805	-138423	SLU 51	15366	51792	52691	2.35	64.33	-214	-70850	SLU 2	15029	48385	54302	2.5	226.24	Si
438	5X/2Y Ø8/10	-805	-138254	SLU 51	15366	51792	52691	2.35	64.33	-214	-70719	SLU 2	15029	48385	54283	2.5	226.24	Si
467	5X/2Y Ø8/14.4	-805	-138084	SLU 51	15366	38145	50429	2.5	47.38	-214	-70589	SLU 2	15029	33497	54265	2.5	156.63	Si
496	5X/2Y Ø8/14.4	-805	-137914	SLU 51	15366	38145	50429	2.5	47.38	-214	-70458	SLU 2	15029	33497	54246	2.5	156.63	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
525	5X/2Y Ø8/14.4	-805	-137745	SLU 51	15366	38145	50429	2.5	47.38	-214	-70328	SLU 2	15029	33497	54228	2.5	156.63	Si
554	5X/2Y Ø8/14.4	-805	-137575	SLU 51	15366	38145	50429	2.5	47.38	-214	-70197	SLU 2	15029	33497	54209	2.5	156.63	Si
583	5X/2Y Ø8/14.4	-805	-137405	SLU 51	15366	38145	50429	2.5	47.38	-214	-70067	SLU 2	15029	33497	54191	2.5	156.63	Si
612	5X/2Y Ø8/10	-805	-137236	SLU 51	15366	51792	52691	2.35	64.33	-214	-69936	SLU 2	15029	48385	54172	2.5	226.24	Si
641	5X/2Y Ø8/10	-805	-137066	SLU 51	15366	51792	52691	2.35	64.33	-214	-69806	SLU 2	15029	48385	54154	2.5	226.24	Si
670	5X/2Y Ø8/10	-805	-136896	SLU 51	15366	51792	52691	2.35	64.33	-214	-69675	SLU 2	15029	48385	54136	2.5	226.24	Si
690	5X/2Y Ø8/10	-805	-112018	SLU 51	15366	51792	52691	2.35	64.35	-368	-112018	SLU 51	15029	48385	55356	2.5	131.39	Si
719	5X/2Y Ø8/10	-805	-111851	SLU 51	15366	51792	52691	2.35	64.35	-368	-111851	SLU 51	15029	48385	55356	2.5	131.39	Si
748	5X/2Y Ø8/10	-805	-111681	SLU 51	15366	51792	52691	2.35	64.35	-368	-111681	SLU 51	15029	48385	55356	2.5	131.39	Si
777	5X/2Y Ø8/14.4	-805	-111512	SLU 51	15366	38145	50429	2.5	47.39	-368	-111512	SLU 51	15029	33497	55356	2.5	90.96	Si
806	5X/2Y Ø8/14.4	-805	-111342	SLU 51	15366	38145	50429	2.5	47.39	-368	-111342	SLU 51	15029	33497	55356	2.5	90.96	Si
835	5X/2Y Ø8/14.4	-805	-111173	SLU 51	15366	38145	50429	2.5	47.39	-368	-111173	SLU 51	15029	33497	55356	2.5	90.96	Si
864	5X/2Y Ø8/14.4	-805	-111003	SLU 51	15366	38145	50429	2.5	47.39	-368	-111003	SLU 51	15029	33497	55356	2.5	90.96	Si
893	5X/2Y Ø8/14.4	-805	-110833	SLU 51	15366	38145	50429	2.5	47.39	-368	-110833	SLU 51	15029	33497	55356	2.5	90.96	Si
922	5X/2Y Ø8/10	-805	-110664	SLU 51	15366	51792	52691	2.35	64.35	-368	-110664	SLU 51	15029	48385	55356	2.5	131.39	Si
951	5X/2Y Ø8/10	-805	-110494	SLU 51	15366	51792	52691	2.35	64.35	-368	-110494	SLU 51	15029	48385	55356	2.5	131.39	Si
980	5X/2Y Ø8/10	-805	-110327	SLU 51	15366	51792	52691	2.35	64.35	-368	-110327	SLU 51	15029	48385	55356	2.5	131.39	Si
1000	4X/2Y Ø8/10	-795	-79976	SLU 51	12805	42315	43268	2.4	53.23	-78	-72855	SLU 26	12600	39534	45230	2.5	506.99	Si
1029	4X/2Y Ø8/10	-795	-79835	SLU 51	12805	42315	43268	2.4	53.23	-78	-72746	SLU 26	12600	39534	45230	2.5	506.99	Si
1058	4X/2Y Ø8/10	-795	-79694	SLU 51	12805	42315	43268	2.4	53.23	-78	-72637	SLU 26	12600	39534	45230	2.5	506.99	Si
1087	4X/2Y Ø8/14.4	-795	-79552	SLU 51	12805	30516	42024	2.5	38.38	-78	-72528	SLU 26	12600	27370	45230	2.5	350.99	Si
1116	4X/2Y Ø8/14.4	-795	-79411	SLU 51	12805	30516	42024	2.5	38.38	-78	-72420	SLU 26	12600	27370	45230	2.5	350.99	Si
1145	4X/2Y Ø8/14.4	-795	-79270	SLU 51	12805	30516	42024	2.5	38.38	-78	-72311	SLU 26	12600	27370	45230	2.5	350.99	Si
1174	4X/2Y Ø8/14.4	-795	-79128	SLU 51	12805	30516	42024	2.5	38.38	-78	-72202	SLU 26	12600	27370	45230	2.5	350.99	Si
1203	4X/2Y Ø8/14.4	-795	-78987	SLU 51	12805	30516	42024	2.5	38.38	-78	-72093	SLU 26	12600	27370	45230	2.5	350.99	Si
1232	4X/2Y Ø8/10	-795	-78845	SLU 51	12805	42315	43268	2.4	53.23	-78	-71985	SLU 26	12600	39534	45230	2.5	506.99	Si
1261	4X/2Y Ø8/10	-795	-78704	SLU 51	12805	42315	43268	2.4	53.23	-78	-71876	SLU 26	12600	39534	45230	2.5	506.99	Si
1290	4X/2Y Ø8/10	-795	-78563	SLU 51	12805	42315	43268	2.4	53.23	-78	-71767	SLU 26	12600	39534	45230	2.5	506.99	Si
1310	4X/2Y Ø8/10	-690	-53130	SLU 51	12805	41434	42277	2.35	60.01	175	-40775	SLU 42	11068	39534	41836	2.5	226.21	Si
1339	4X/2Y Ø8/10	-690	-52991	SLU 51	12805	41434	42258	2.35	60.01	175	-40636	SLU 42	11050	39534	41817	2.5	226.21	Si
1368	4X/2Y Ø8/10	-690	-52850	SLU 51	12805	41434	42239	2.35	60.01	175	-40495	SLU 42	11031	39534	41797	2.5	226.21	Si
1397	4X/2Y Ø8/14.4	-690	-52709	SLU 51	12805	30516	40408	2.5	44.19	175	-40354	SLU 42	11012	27370	41778	2.5	156.61	Si
1426	4X/2Y Ø8/14.4	-690	-52567	SLU 51	12805	30516	40390	2.5	44.19	175	-40212	SLU 42	10993	27370	41758	2.5	156.61	Si
1455	4X/2Y Ø8/14.4	-690	-52426	SLU 51	12805	30516	40372	2.5	44.19	175	-40071	SLU 42	10974	27370	41739	2.5	156.61	Si
1484	4X/2Y Ø8/14.4	-690	-52285	SLU 51	12805	30516	40353	2.5	44.19	175	-39929	SLU 42	10955	27370	41719	2.5	156.61	Si
1513	4X/2Y Ø8/14.4	-690	-52143	SLU 51	12797	30516	40335	2.5	44.19	175	-39788	SLU 42	10936	27370	41699	2.5	156.61	Si
1542	4X/2Y Ø8/10	-690	-52002	SLU 51	12780	41434	42125	2.35	60.01	175	-39647	SLU 42	10917	39534	41680	2.5	226.21	Si
1571	4X/2Y Ø8/10	-690	-51860	SLU 51	12762	41434	42106	2.35	60.01	175	-39505	SLU 42	10898	39534	41660	2.5	226.21	Si
1600	4X/2Y Ø8/10	-690	-51719	SLU 51	12744	41434	42087	2.35	60.01	175	-39364	SLU 42	10879	39534	41641	2.5	226.21	Si
1620	4X/2Y Ø8/10	-1859	-19332	SLU 51	8712	38789	39448	2.2	20.87	-343	-19332	SLU 51	8195	38743	39433	2.45	112.83	Si
1649	4X/2Y Ø8/10	-1859	-19193	SLU 51	8695	38789	39429	2.2	20.87	-343	-19193	SLU 51	8176	38743	39413	2.45	112.83	Si
1678	4X/2Y Ø8/10	-1859	-19052	SLU 51	8677	38789	39409	2.2	20.87	-343	-19052	SLU 51	8158	38743	39393	2.45	112.83	Si
1707	4X/2Y Ø8/14.4	-1859	-18910	SLU 51	8660	30516	36055	2.5	16.42	-343	-18910	SLU 51	8139	27370	38805	2.5	79.71	Si
1736	4X/2Y Ø8/14.4	-1859	-18769	SLU 51	8642	30516	36037	2.5	16.42	-343	-18769	SLU 51	8120	27370	38786	2.5	79.71	Si
1765	4X/2Y Ø8/14.4	-1859	-18627	SLU 51	8624	30516	36019	2.5	16.42	-343	-18627	SLU 51	8101	27370	38766	2.5	79.71	Si
1794	4X/2Y Ø8/14.4	-1859	-18486	SLU 51	8607	30516	36000	2.5	16.42	-343	-18486	SLU 51	8082	27370	38747	2.5	79.71	Si
1823	4X/2Y Ø8/14.4	-1859	-18345	SLU 51	8589	30516	35982	2.5	16.42	-343	-18345	SLU 51	8063	27370	38727	2.5	79.71	Si
1852	4X/2Y Ø8/10	-1859	-18203	SLU 51	8572	38789	39289	2.2	20.87	-343	-18203	SLU 51	8044	38743	39274	2.45	112.83	Si
1881	4X/2Y Ø8/10	-1859	-18062	SLU 51	8554	38789	39270	2.2	20.87	-343	-18062	SLU 51	8025	38743	39254	2.45	112.83	Si
1910	4X/2Y Ø8/10	-1859	-17923	SLU 51	8537	38789	39250	2.2	20.87	-343	-17923	SLU 51	8006	38743	39235	2.45	112.83	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-842	-113092	SLV 5	15366	51792	52691	2.35	61.48	-3949	-112601	SLV 13	15029	48385	55356	2.5	12.25	Si
-111	5X/2Y Ø8/10	-842	-112962	SLV 5	15366	51792	52691	2.35	61.48	-3949	-112471	SLV 13	15029	48385	55356	2.5	12.25	Si
-81	5X/2Y Ø8/10	-842	-112829	SLV 5	15366	51792	52691	2.35	61.48	-3949	-112338	SLV 13	15029	48385	55356	2.5	12.25	Si
-52	5X/2Y Ø8/10	-842	-112697	SLV 5	15366	51792	52691	2.35	61.48	-3949	-112206	SLV 13	15029	48385	55356	2.5	12.25	Si
-22	5X/2Y Ø8/15	-842	-112565	SLV 5	15366	36732	50429	2.5	43.6	-3949	-112074	SLV 13	15029	32257	55356	2.5	8.17	Si
7	5X/2Y Ø8/15	-842	-112432	SLV 5	15366	36732	50429	2.5	43.6	-3949	-111941	SLV 13	15029	32257	55356	2.5	8.17	Si
36	5X/2Y Ø8/15	-842	-112300	SLV 5	15366	36732	50429	2.5	43.6	-3949	-111809	SLV 13	15029	32257	55356	2.5	8.17	Si
66	5X/2Y Ø8/15	-842	-112168	SLV 5	15366	36732	50429	2.5	43.6	-3949	-111677	SLV 13	15029	32257	55356	2.5	8.17	Si
95	5X/2Y Ø8/15	-842	-112035	SLV 5	15366	36732	50429	2.5	43.6	-3949	-111544	SLV 13	15029	32257	55356	2.5	8.17	Si
125	5X/2Y Ø8/15	-842	-111902	SLV 5	15366	36732	50429	2.5	43.6	-3949	-111411	SLV 13	15029	32257	55356	2.5	8.17	Si
154	5X/2Y Ø8/15	-842	-111771	SLV 5	15366	36732	50429	2.5	43.6	-3949	-111280	SLV 13	15029	32257	55356	2.5	8.17	Si
184	5X/2Y Ø8/15	-842	-111638	SLV 5	15366	36732	50429	2.5	43.6	-3949	-111147	SLV 13	15029	32257	55356	2.5	8.17	Si
213	5X/2Y Ø8/15	-842	-111508	SLV 5	15366	36732	50429	2.5	43.6	-3949	-111017	SLV 13	15029	32257	55356	2.5	8.17	Si
242	5X/2Y Ø8/10	-842	-111373	SLV 5	15366	51792	52691	2.35	61.48	-3949	-110882	SLV 13	15029	48385	55356	2.5	12.25	Si
272	5X/2Y Ø8/10	-842	-111241	SLV 5	15366	51792	52691	2.35	61.48	-3949	-110750	SLV 13	15029	48385	55356	2.5	12.25	Si
301	5X/2Y Ø8/10	-842	-111109	SLV 5	15366	51792	52691	2.35	61.48	-3949	-110618	SLV 13	15029	48385	55356	2.5	12.25	Si
331	5X/2Y Ø8/10	-842	-110976	SLV 5	15366	51792	52691	2.35	61.48	-3949	-110485	SLV 13	15029	48385	55356	2.5	12.25	Si
360	5X/2Y Ø8/10	-842	-110846	SLV 5	15366	51792	52691	2.35	61.48	-3949	-110355	SLV 13	15029	48385	55356	2.5	12.25	Si
380	5X/2Y Ø8/10	-1429	-93316	SLV 5	15366	51792	52691	2.35	36.24	1024	-90715	SLV 1	15029	48385	55356	2.5	47.25	Si
409	5X/2Y Ø8/10	-1429	-93188	SLV 5	15366	51792	52691	2.35	36.24	1024	-90587	SLV 1	15029	48385	55356	2.5	47.25	Si
438	5X/2Y Ø8/10	-1429	-93058	SLV 5	15366	51792	52691	2.35	36.24	1024	-90457	SLV 1	15029	48385	55356	2.5	47.25	Si
467	5X/2Y Ø8/14.4	-1429	-92927	SLV 5	15366	38145	50429	2.5	26.69	1024	-90326	SLV 1	15029	33497	55356	2.5	32.71	Si
496	5X/2Y Ø8/14.4	-1429	-92797	SLV 5	15366	38145	50429	2.5	26.69	1024	-90196	SLV 1	15029	33497	55356	2.5	32.71	Si
525	5X/2Y Ø8/14.4	-1429	-92666	SLV 5	15366	38145	50429	2.5	26.69	1024	-90065	SLV 1	15029	33497	55356	2.5	32.71	Si
554	5X/2Y Ø8/14.4	-1429	-92536	SLV 5	15366	38145	50429	2.5	26.69	1024	-89935	SLV 1	15029	33497	55356	2.5	32.71	Si
583	5X/2Y Ø8/14.4	-1429	-92405	SLV 5	15366	38145	50429	2.5	26.69	1024	-89804	SLV 1	15029	33497	55356	2.5	32.71	Si
612	5X/2Y Ø8/10	-1429	-92275	SLV 5	15366	51792	52691	2.35	36.24	1024	-89674	SLV 1	15029	48385	55356	2.5	47.25	Si
641	5X/2Y Ø8/10	-1429	-92144	SLV 5	15366	51792	52691	2.35	36.24	1024	-89543	SLV 1	15029	48385	55356	2.5	47.25	Si
670	5X/2Y Ø8/10	-1429	-92014	SLV 5	15366	51792	52691	2.35	36.24	1024	-89413	SLV 1	15029	48385	55356	2.5	47.25	Si
690	5X/2Y Ø8/10	-1475	-73250	SLV 5	15366	51792	52010	2.35	35.11	-1960	-72978	SLV 13	15029	48385	54603	2.5	24.69	Si
719	5X/2Y Ø8/10	-1475	-73121	SLV 5	15366	51792	51992	2.35	35.11	-1960	-72850	SLV 13	15029	48385	54584	2.5	24.69	Si
748	5X/2Y Ø8/10	-1475	-72991	SLV 5	15366	51792	51975	2.35	35.11	-1960	-72719	SLV 13	15029	48385	54566	2.5	24.69	Si
777	5X/2Y Ø8/14.4	-1475	-72860	SLV 5	15366	38145	49727	2.5	25.86	-1960	-72589	SLV 13	15029	33497	54547	2.5	17.09	Si
806	5X/2Y Ø8/14.4	-1475	-72730	SLV 5	15366	38145	49711	2.5	25.86	-1960	-72458	SLV 13	15029	33497	54529	2.5	17.09	Si
835	5X/2Y Ø8/14.4	-1475	-72599	SLV 5	15366	38145	49694	2.5	25.86	-1960	-72328	SLV 13	15029	33497	54511	2.5	17.09	Si
864	5X/2Y Ø8/14.4	-1475	-72469	SLV 5	15366	38145	49677	2.5	25.86	-1960	-72197	SLV 13	15029	33497	54492	2.5	17.09	Si
893	5X/2Y Ø8/14.4	-1475	-72338	SLV 5	15366	38145	49660	2.5	25.86	-1960	-72067	SLV 13	15029	33497	54474	2.5	17.09	Si
922	5X/2Y Ø8/10	-1475	-72208	SLV 5	15366	51792	51870	2.35	35.11	-1960	-71936	SLV 13	15029	48385	54455	2.5	24.69	Si
951	5X/2Y Ø8/10	-1475	-72077	SLV 5	15366	51792	51852	2.35	35.11	-1960	-71806	SLV 13	15029	48385	54437	2.5	24.69	Si
980	5X/2Y Ø8/10	-1475	-71949	SLV 5	15366	51792	51835	2.35	35.11	-1960	-71677	SLV 13	15029	48385	54419	2.5	24.69	Si
1000	4X/2Y Ø8/10	-1245	-52194	SLV 5	12803	41434	42151	2.35	33.29	-983	-52048	SLV 13	12579	39534	43399	2.5	40.24	Si
1029	4X/2Y Ø8/10	-1245	-52085	SLV 5	12790	41434	42136	2.35	33.29	-983	-51939	SLV 13	12564	39534	43384	2.5	40.24	Si
1058	4X/2Y Ø8/10	-1245	-51976	SLV 5	12776	41434	42122	2.35	33.29	-983	-51830	SLV 13	12550	39534	43369	2.5	40.24	Si
1087	4X/2Y Ø8/14.4	-1245	-51867	SLV 5	12763	30516	40300	2.5	24.52	-983	-51722	SLV 13	12535	27370	43354	2.5	27.86	Si
1116	4X/2Y Ø8/14.4	-1245	-51759	SLV 5	12749	30516	40286	2.5	24.52	-983	-51613	SLV 13	12521	27370	43339	2.5	27.86	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1145	4X/2Y Ø8/14.4	-1245	-51650	SLV 5	12736	30516	40272	2.5	24.52	-983	-51504	SLV 13	12506	27370	43323	2.5	27.86	Si
1174	4X/2Y Ø8/14.4	-1245	-51541	SLV 5	12722	30516	40258	2.5	24.52	-983	-51395	SLV 13	12491	27370	43308	2.5	27.86	Si
1203	4X/2Y Ø8/14.4	-1245	-51432	SLV 5	12709	30516	40244	2.5	24.52	-983	-51287	SLV 13	12477	27370	43293	2.5	27.86	Si
1232	4X/2Y Ø8/10	-1245	-51324	SLV 5	12695	41434	42034	2.35	33.29	-983	-51178	SLV 13	12462	39534	43278	2.5	40.24	Si
1261	4X/2Y Ø8/10	-1245	-51215	SLV 5	12682	41434	42019	2.35	33.29	-983	-51069	SLV 13	12448	39534	43263	2.5	40.24	Si
1290	4X/2Y Ø8/10	-1245	-51106	SLV 5	12668	41434	42004	2.35	33.29	-983	-50960	SLV 13	12433	39534	43248	2.5	40.24	Si
1310	4X/2Y Ø8/10	-1049	-34501	SLV 5	10601	39671	40967	2.25	37.83	1230	-28914	SLV 3	9479	39534	40192	2.5	32.14	Si
1339	4X/2Y Ø8/10	-1049	-34394	SLV 5	10587	39671	40952	2.25	37.83	1230	-28807	SLV 3	9465	39534	40177	2.5	32.14	Si
1368	4X/2Y Ø8/10	-1049	-34285	SLV 5	10574	39671	40937	2.25	37.83	1230	-28698	SLV 3	9450	39534	40162	2.5	32.14	Si
1397	4X/2Y Ø8/14.4	-1049	-34177	SLV 5	10560	30516	38021	2.5	29.1	1230	-28589	SLV 3	9436	27370	40147	2.5	22.25	Si
1426	4X/2Y Ø8/14.4	-1049	-34068	SLV 5	10547	30516	38007	2.5	29.1	1230	-28480	SLV 3	9421	27370	40132	2.5	22.25	Si
1455	4X/2Y Ø8/14.4	-1049	-33959	SLV 5	10533	30516	37993	2.5	29.1	1230	-28372	SLV 3	9406	27370	40117	2.5	22.25	Si
1484	4X/2Y Ø8/14.4	-1049	-33850	SLV 5	10520	30516	37979	2.5	29.1	1230	-28263	SLV 3	9392	27370	40102	2.5	22.25	Si
1513	4X/2Y Ø8/14.4	-1049	-33742	SLV 5	10506	30516	37965	2.5	29.1	1230	-28154	SLV 3	9377	27370	40087	2.5	22.25	Si
1542	4X/2Y Ø8/10	-1049	-33633	SLV 5	10493	39671	40846	2.25	37.83	1230	-28045	SLV 3	9363	39534	40072	2.5	32.14	Si
1571	4X/2Y Ø8/10	-1049	-33524	SLV 5	10479	39671	40831	2.25	37.83	1230	-27937	SLV 3	9348	39534	40057	2.5	32.14	Si
1600	4X/2Y Ø8/10	-1049	-33415	SLV 5	10466	39671	40816	2.25	37.83	1230	-27828	SLV 3	9334	39534	40041	2.5	32.14	Si
1620	4X/2Y Ø8/10	-2407	-12503	SLV 9	7862	37907	39068	2.15	15.75	-1526	-9176	SLV 15	6834	37953	38564	2.4	24.88	Si
1649	4X/2Y Ø8/10	-2407	-12396	SLV 9	7849	37907	39052	2.15	15.75	-1526	-9069	SLV 15	6820	37953	38549	2.4	24.88	Si
1678	4X/2Y Ø8/10	-2407	-12287	SLV 9	7835	37907	39037	2.15	15.75	-1526	-8960	SLV 15	6805	37953	38533	2.4	24.88	Si
1707	4X/2Y Ø8/14.4	-2407	-12179	SLV 9	7822	30516	35188	2.5	12.68	-1526	-8851	SLV 15	6791	27370	37411	2.5	17.94	Si
1736	4X/2Y Ø8/14.4	-2407	-12070	SLV 9	7808	30516	35174	2.5	12.68	-1526	-8743	SLV 15	6776	27370	37396	2.5	17.94	Si
1765	4X/2Y Ø8/14.4	-2407	-11961	SLV 9	7795	30516	35160	2.5	12.68	-1526	-8634	SLV 15	6762	27370	37381	2.5	17.94	Si
1794	4X/2Y Ø8/14.4	-2407	-11852	SLV 9	7781	30516	35146	2.5	12.68	-1526	-8525	SLV 15	6747	27370	37366	2.5	17.94	Si
1823	4X/2Y Ø8/14.4	-2407	-11744	SLV 9	7767	30516	35132	2.5	12.68	-1526	-8416	SLV 15	6732	27370	37351	2.5	17.94	Si
1852	4X/2Y Ø8/10	-2407	-11635	SLV 9	7754	37907	38944	2.15	15.75	-1526	-8308	SLV 15	6718	37953	38440	2.4	24.88	Si
1881	4X/2Y Ø8/10	-2407	-11526	SLV 9	7740	37907	38928	2.15	15.75	-1526	-8199	SLV 15	6703	37953	38425	2.4	24.88	Si
1910	4X/2Y Ø8/10	-2407	-11419	SLV 9	7727	37907	38913	2.15	15.75	-1526	-8092	SLV 15	6689	37953	38409	2.4	24.88	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-369	-108472	SLD 5	19266	55098	50429	2.5	136.83	-1897	-108292	SLD 13	19310	48385	55356	2.5	25.5	Si
-111	5X/2Y Ø8/10	-369	-108342	SLD 5	19266	55098	50429	2.5	136.83	-1897	-108162	SLD 13	19310	48385	55356	2.5	25.5	Si
-81	5X/2Y Ø8/10	-369	-108209	SLD 5	19266	55098	50429	2.5	136.83	-1897	-108030	SLD 13	19310	48385	55356	2.5	25.5	Si
-52	5X/2Y Ø8/10	-369	-108077	SLD 5	19266	55098	50429	2.5	136.83	-1897	-107897	SLD 13	19310	48385	55356	2.5	25.5	Si
-22	5X/2Y Ø8/15	-369	-107944	SLD 5	19266	36732	50429	2.5	99.66	-1897	-107765	SLD 13	19310	32257	55356	2.5	17	Si
7	5X/2Y Ø8/15	-369	-107812	SLD 5	19266	36732	50429	2.5	99.66	-1897	-107633	SLD 13	19310	32257	55356	2.5	17	Si
36	5X/2Y Ø8/15	-369	-107680	SLD 5	19266	36732	50429	2.5	99.66	-1897	-107500	SLD 13	19310	32257	55356	2.5	17	Si
66	5X/2Y Ø8/15	-369	-107547	SLD 5	19266	36732	50429	2.5	99.66	-1897	-107368	SLD 13	19310	32257	55356	2.5	17	Si
95	5X/2Y Ø8/15	-369	-107415	SLD 5	19266	36732	50429	2.5	99.66	-1897	-107235	SLD 13	19310	32257	55356	2.5	17	Si
125	5X/2Y Ø8/15	-369	-107281	SLD 5	19266	36732	50429	2.5	99.66	-1897	-107102	SLD 13	19310	32257	55356	2.5	17	Si
154	5X/2Y Ø8/15	-369	-107150	SLD 5	19266	36732	50429	2.5	99.66	-1897	-106971	SLD 13	19310	32257	55356	2.5	17	Si
184	5X/2Y Ø8/15	-369	-107018	SLD 5	19266	36732	50429	2.5	99.66	-1897	-106838	SLD 13	19310	32257	55356	2.5	17	Si
213	5X/2Y Ø8/15	-369	-106888	SLD 5	19266	36732	50429	2.5	99.66	-1897	-106708	SLD 13	19310	32257	55356	2.5	17	Si
242	5X/2Y Ø8/10	-369	-106753	SLD 5	19266	55098	50429	2.5	136.83	-1897	-106574	SLD 13	19310	48385	55356	2.5	25.5	Si
272	5X/2Y Ø8/10	-369	-106621	SLD 5	19266	55098	50429	2.5	136.83	-1897	-106441	SLD 13	19310	48385	55356	2.5	25.5	Si
301	5X/2Y Ø8/10	-369	-106489	SLD 5	19266	55098	50429	2.5	136.83	-1897	-106309	SLD 13	19310	48385	55356	2.5	25.5	Si
331	5X/2Y Ø8/10	-369	-106356	SLD 5	19266	55098	50429	2.5	136.83	-1897	-106177	SLD 13	19310	48385	55356	2.5	25.5	Si
360	5X/2Y Ø8/10	-369	-106226	SLD 5	19266	55098	50429	2.5	136.83	-1897	-106047	SLD 13	19310	48385	55356	2.5	25.5	Si
380	5X/2Y Ø8/10	-875	-88140	SLD 5	18540	55098	50429	2.5	57.66	463	-87122	SLD 1	18373	48385	55356	2.5	104.54	Si
409	5X/2Y Ø8/10	-875	-88012	SLD 5	18524	55098	50429	2.5	57.66	463	-86994	SLD 1	18356	48385	55356	2.5	104.54	Si
438	5X/2Y Ø8/10	-875	-87881	SLD 5	18508	55098	50429	2.5	57.66	463	-86864	SLD 1	18338	48385	55356	2.5	104.54	Si
467	5X/2Y Ø8/14.4	-875	-87751	SLD 5	18491	38145	50429	2.5	43.62	463	-86733	SLD 1	18320	33497	55356	2.5	72.37	Si
496	5X/2Y Ø8/14.4	-875	-87620	SLD 5	18475	38145	50429	2.5	43.62	463	-86603	SLD 1	18302	33497	55356	2.5	72.37	Si
525	5X/2Y Ø8/14.4	-875	-87490	SLD 5	18459	38145	50429	2.5	43.62	463	-86472	SLD 1	18285	33497	55356	2.5	72.37	Si
554	5X/2Y Ø8/14.4	-875	-87359	SLD 5	18443	38145	50429	2.5	43.62	463	-86342	SLD 1	18267	33497	55356	2.5	72.37	Si
583	5X/2Y Ø8/14.4	-875	-87229	SLD 5	18426	38145	50429	2.5	43.62	463	-86211	SLD 1	18249	33497	55356	2.5	72.37	Si
612	5X/2Y Ø8/10	-875	-87098	SLD 5	18410	55098	50429	2.5	57.66	463	-86081	SLD 1	18231	48385	55356	2.5	104.54	Si
641	5X/2Y Ø8/10	-875	-86968	SLD 5	18394	55098	50429	2.5	57.66	463	-85950	SLD 1	18213	48385	55356	2.5	104.54	Si
670	5X/2Y Ø8/10	-875	-86837	SLD 5	18378	55098	50429	2.5	57.66	463	-85820	SLD 1	18195	48385	55356	2.5	104.54	Si
690	5X/2Y Ø8/10	-886	-70203	SLD 5	16307	55098	49385	2.5	55.76	-880	-70118	SLD 13	16050	48385	54198	2.5	54.99	Si
719	5X/2Y Ø8/10	-886	-70075	SLD 5	16291	55098	49369	2.5	55.75	-880	-69990	SLD 13	16032	48385	54180	2.5	54.99	Si
748	5X/2Y Ø8/10	-886	-69945	SLD 5	16275	55098	49352	2.5	55.73	-880	-69859	SLD 13	16014	48385	54162	2.5	54.99	Si
777	5X/2Y Ø8/14.4	-886	-69814	SLD 5	16258	38145	49335	2.5	43.07	-880	-69729	SLD 13	15996	33497	54143	2.5	38.07	Si
806	5X/2Y Ø8/14.4	-886	-69684	SLD 5	16242	38145	49318	2.5	43.07	-880	-69598	SLD 13	15979	33497	54125	2.5	38.07	Si
835	5X/2Y Ø8/14.4	-886	-69553	SLD 5	16226	38145	49301	2.5	43.07	-880	-69468	SLD 13	15961	33497	54106	2.5	38.07	Si
864	5X/2Y Ø8/14.4	-886	-69423	SLD 5	16210	38145	49285	2.5	43.07	-880	-69337	SLD 13	15943	33497	54088	2.5	38.07	Si
893	5X/2Y Ø8/14.4	-886	-69292	SLD 5	16193	38145	49268	2.5	43.07	-880	-69207	SLD 13	15925	33497	54069	2.5	38.07	Si
922	5X/2Y Ø8/10	-886	-69162	SLD 5	16177	55098	49251	2.5	55.61	-880	-69076	SLD 13	15907	48385	54051	2.5	54.99	Si
951	5X/2Y Ø8/10	-886	-69031	SLD 5	16161	55098	49234	2.5	55.59	-880	-68946	SLD 13	15889	48385	54032	2.5	54.99	Si
980	5X/2Y Ø8/10	-886	-68903	SLD 5	16145	55098	49218	2.5	55.58	-880	-68818	SLD 13	15872	48385	54014	2.5	54.99	Si
1000	4X/2Y Ø8/10	-788	-49923	SLD 5	12521	44078	40049	2.5	50.8	-398	-49891	SLD 13	12290	39534	43100	2.5	99.39	Si
1029	4X/2Y Ø8/10	-788	-49814	SLD 5	12507	44078	40035	2.5	50.79	-398	-49782	SLD 13	12275	39534	43085	2.5	99.39	Si
1058	4X/2Y Ø8/10	-788	-49706	SLD 5	12494	44078	40021	2.5	50.77	-398	-49673	SLD 13	12261	39534	43070	2.5	99.39	Si
1087	4X/2Y Ø8/14.4	-788	-49597	SLD 5	12480	30516	40007	2.5	38.71	-398	-49565	SLD 13	12246	27370	43055	2.5	68.81	Si
1116	4X/2Y Ø8/14.4	-788	-49488	SLD 5	12467	30516	39993	2.5	38.71	-398	-49456	SLD 13	12232	27370	43040	2.5	68.81	Si
1145	4X/2Y Ø8/14.4	-788	-49379	SLD 5	12453	30516	39979	2.5	38.71	-398	-49347	SLD 13	12217	27370	43024	2.5	68.81	Si
1174	4X/2Y Ø8/14.4	-788	-49271	SLD 5	12440	30516	39965	2.5	38.71	-398	-49238	SLD 13	12202	27370	43009	2.5	68.81	Si
1203	4X/2Y Ø8/14.4	-788	-49162	SLD 5	12426	30516	39951	2.5	38.71	-398	-49130	SLD 13	12188	27370	42994	2.5	68.81	Si
1232	4X/2Y Ø8/10	-788	-49053	SLD 5	12412	44078	39937	2.5	50.66	-398	-49021	SLD 13	12173	39534	42979	2.5	99.39	Si
1261	4X/2Y Ø8/10	-788	-48944	SLD 5	12399	44078	39923	2.5	50.64	-398	-48912	SLD 13	12159	39534	42964	2.5	99.39	Si
1290	4X/2Y Ø8/10	-788	-48836	SLD 5	12385	44078	39909	2.5	50.63	-398	-48803	SLD 13	12144	39534	42949	2.5	99.39	Si
1310	4X/2Y Ø8/10	-686	-32846	SLD 5	10395	44078	37850	2.5	55.18	575	-30520	SLD 3	9694	39534	40415	2.5	68.71	Si
1339	4X/2Y Ø8/10	-686	-32739	SLD 5	10381	44078	37836	2.5	55.16	575	-30413	SLD 3	9680	39534	40400	2.5	68.71	Si
1368	4X/2Y Ø8/10	-686	-32630	SLD 5	10368	44078	37822	2.5	55.14	575	-30304	SLD 3	9665	39534	40385	2.5	68.71	Si
1397	4X/2Y Ø8/14.4	-686	-32522	SLD 5	10354	30516	37808	2.5	44.49	575	-30195	SLD 3	9651	27370	40370	2.5	47.57	Si
1426	4X/2Y Ø8/14.4	-686	-32413	SLD 5	10341	30516	37794	2.5	44.49	575	-30087	SLD 3	9636	27370	40355	2.5	47.57	Si
1455	4X/2Y Ø8/14.4	-686	-32304	SLD 5	10327	30516	37780	2.5	44.49	575	-29978	SLD 3	9622	27370	40340	2.5	47.57	Si
1484	4X/2Y Ø8/14.4	-686	-32195	SLD 5	10314	30516	37766	2.5	44.49	575	-29869	SLD 3	9607	27370	40324	2.5	47.57	Si
1513	4X/2Y Ø8/14.4	-686	-32087	SLD 5	10300	30516	37752	2.5	44.49	575	-29760	SLD 3	9592	27370	40309	2.5	47.57	Si
1542	4X/2Y Ø8/10	-686	-31978	SLD 5	10287	44078	37738	2.5	55.01	575	-29652	SLD 3	9578	39534	40294	2.5	68.71	Si
1571	4X/2Y Ø8/10	-686	-31869	SLD 5	10273	44078	37724	2.5	54.99	575	-29543	SLD 3	9563	39534	40279	2.5	68.71	Si
1600	4X/2Y Ø8/10	-686	-31760	SLD 5	10260	44078	37710	2.5	54.97	575	-29434	SLD 3	9549	39534	40264	2.5	68.71	Si
1620	4X/2Y Ø8/10	-1637	-11562	SLD 9	7745	44078	35109	2.5	21.45	-791	-9874	SLD 11	6928	39534	37553	2.5	47.49	Si
1649	4X/2Y Ø8/10	-1637	-11455	SLD 9	7732	44078	35095	2.5	21.44	-791	-9767	SLD 11	6913	39534	37538	2.5	47.47	Si
1678	4X/2Y Ø8/10	-1637	-11346	SLD 9	7718	44078	35081	2.5	21.44	-791	-9658	SLD 11	6899	39534	37523	2.5	47.45	Si
1707	4X/2Y Ø8/14.4	-1637	-11238	SLD 9	7704	30516	35067	2.5	18.65	-791	-9550	SLD 11	6884	27370	37508	2.5	34.61	Si
1736	4X/2Y Ø8/14.4	-1637	-11129	SLD 9	7691	30516	35053	2.5	18.65	-791	-9441	SLD 11	6870	27370	37493	2.5	34.61	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1765	4X/2Y Ø8/14.4	-1637	-11020	SLD 9	7677	30516	35039	2.5	18.65	-791	-9332	SLD 11	6855	27370	37478	2.5	34.61	Si
1794	4X/2Y Ø8/14.4	-1637	-10911	SLD 9	7664	30516	35025	2.5	18.65	-791	-9223	SLD 11	6841	27370	37463	2.5	34.61	Si
1823	4X/2Y Ø8/14.4	-1637	-10803	SLD 9	7650	30516	35011	2.5	18.65	-791	-9115	SLD 11	6826	27370	37448	2.5	34.61	Si
1852	4X/2Y Ø8/10	-1637	-10694	SLD 9	7637	44078	34997	2.5	21.38	-791	-9006	SLD 11	6811	39534	37432	2.5	47.34	Si
1881	4X/2Y Ø8/10	-1637	-10585	SLD 9	7623	44078	34983	2.5	21.38	-791	-8897	SLD 11	6797	39534	37417	2.5	47.32	Si
1910	4X/2Y Ø8/10	-1637	-10478	SLD 9	7610	44078	34969	2.5	21.37	-791	-8790	SLD 11	6783	39534	37403	2.5	47.3	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	184900	28248	-121121	SLE RA 12	-69	184900	28248	-121121	SLE RA 12	-997.5	Si
-111	164182	25848	-120991	SLE RA 12	-67.7	164182	25848	-120991	SLE RA 12	-982.3	Si
-81	143107	23407	-120858	SLE RA 12	-66.4	143107	23407	-120858	SLE RA 12	-966.9	Si
-52	122031	20965	-120726	SLE RA 12	-65.1	122031	20965	-120726	SLE RA 12	-951.5	Si
-22	100955	18524	-120594	SLE RA 12	-63.9	100955	18524	-120594	SLE RA 12	-936.1	Si
7	79879	16082	-120461	SLE RA 12	-62.6	79879	16082	-120461	SLE RA 12	-920.7	Si
36	58804	13641	-120329	SLE RA 12	-61.3	58804	13641	-120329	SLE RA 12	-905.3	Si
66	37728	11199	-120197	SLE RA 12	-60	37728	11199	-120197	SLE RA 12	-889.8	Si
95	16652	8758	-120064	SLE RA 12	-58.7	16652	8758	-120064	SLE RA 12	-874.4	Si
125	-4634	6292	-119931	SLE RA 12	-57.9	-4634	6292	-119931	SLE RA 12	-864.3	Si
154	-25499	3875	-119800	SLE RA 12	-58.6	-25499	3875	-119800	SLE RA 12	-873.4	Si
184	-46575	1433	-119667	SLE RA 12	-59.3	-46575	1433	-119667	SLE RA 12	-882.6	Si
213	-67334	-972	-119537	SLE RA 12	-60.2	-67334	-972	-119537	SLE RA 12	-893.4	Si
242	-88726	-3450	-119403	SLE RA 12	-61.3	-88726	-3450	-119403	SLE RA 12	-907.1	Si
272	-109802	-5891	-119270	SLE RA 12	-62.5	-109802	-5891	-119270	SLE RA 12	-920.6	Si
301	-130878	-8333	-119138	SLE RA 12	-63.7	-130878	-8333	-119138	SLE RA 12	-934.2	Si
331	-151953	-10774	-119005	SLE RA 12	-64.8	-151953	-10774	-119005	SLE RA 12	-947.7	Si
360	-172671	-13174	-118875	SLE RA 12	-65.9	-172671	-13174	-118875	SLE RA 12	-961	Si
380	59287	63829	-97676	SLE RA 12	-55.1	81702	51460	-97522	SLE RA 13	-789.3	Si
409	62454	47268	-97548	SLE RA 12	-53.7	81417	36622	-97394	SLE RA 13	-775.1	Si
438	65677	30415	-97418	SLE RA 12	-52.2	81126	21523	-97263	SLE RA 13	-760.6	Si
467	68900	13563	-97287	SLE RA 12	-50.8	68900	13563	-97287	SLE RA 12	-746.6	Si
496	80546	-8674	-97002	SLE RA 13	-50.8	80546	-8674	-97002	SLE RA 13	-747.1	Si
525	80255	-23772	-96872	SLE RA 13	-52.1	80255	-23772	-96872	SLE RA 13	-759.3	Si
554	79965	-38871	-96741	SLE RA 13	-53.4	79965	-38871	-96741	SLE RA 13	-771.6	Si
583	81792	-53847	-96765	SLE RA 12	-54.8	81792	-53847	-96765	SLE RA 12	-786	Si
612	85014	-70700	-96635	SLE RA 12	-56.5	85014	-70700	-96635	SLE RA 12	-801.9	Si
641	88237	-87552	-96504	SLE RA 12	-58.1	88237	-87552	-96504	SLE RA 12	-817.7	Si
670	91460	-104405	-96374	SLE RA 12	-59.7	91460	-104405	-96374	SLE RA 12	-833.6	Si
690	-86001	110727	-78827	SLE RA 13	-51.7	-86001	110727	-78827	SLE RA 13	-710.8	Si
719	-91865	94500	-78699	SLE RA 13	-50.4	-91865	94500	-78699	SLE RA 13	-698.9	Si
748	-97832	77987	-78568	SLE RA 13	-49.2	-97832	77987	-78568	SLE RA 13	-686.9	Si
777	-103800	61475	-78438	SLE RA 13	-47.9	-103800	61475	-78438	SLE RA 13	-674.8	Si
806	-109767	44963	-78307	SLE RA 13	-46.6	-109767	44963	-78307	SLE RA 13	-662.8	Si
835	-115734	28451	-78177	SLE RA 13	-45.3	-115734	28451	-78177	SLE RA 13	-650.7	Si
864	-121701	11939	-78046	SLE RA 13	-44	-121701	11939	-78046	SLE RA 13	-638.7	Si
893	-124692	-6119	-78028	SLE RA 12	-43.6	-124692	-6119	-78028	SLE RA 12	-635.2	Si
922	-132015	-22984	-77897	SLE RA 12	-45.4	-132015	-22984	-77897	SLE RA 12	-653.4	Si
951	-139337	-39849	-77767	SLE RA 12	-47.2	-139337	-39849	-77767	SLE RA 12	-670.4	Si
980	-146534	-56423	-77639	SLE RA 12	-46.4	-146534	-56423	-77639	SLE RA 12	-654	Si
1000	80639	59920	-56432	SLE RA 12	-43.1	80639	59920	-56432	SLE RA 12	-595.2	Si
1029	79264	43287	-56323	SLE RA 12	-42	79264	43287	-56323	SLE RA 12	-587.1	Si
1058	77889	26655	-56214	SLE RA 12	-40.6	77889	26655	-56214	SLE RA 12	-575.7	Si
1087	76515	10023	-56106	SLE RA 12	-38.6	76515	10023	-56106	SLE RA 12	-555.9	Si
1116	75140	-6609	-55997	SLE RA 12	-38	75140	-6609	-55997	SLE RA 12	-550.2	Si
1145	73765	-23242	-55888	SLE RA 12	-39.7	73765	-23242	-55888	SLE RA 12	-565.9	Si
1174	72390	-39874	-55779	SLE RA 12	-41.4	72390	-39874	-55779	SLE RA 12	-581.7	Si
1203	71015	-56506	-55671	SLE RA 12	-43.1	71015	-56506	-55671	SLE RA 12	-597.4	Si
1232	69640	-73139	-55562	SLE RA 12	-44.8	69640	-73139	-55562	SLE RA 12	-613.1	Si
1261	68266	-89771	-55453	SLE RA 12	-46.5	68266	-89771	-55453	SLE RA 12	-628.9	Si
1290	66891	-106403	-55344	SLE RA 12	-48.1	66891	-106403	-55344	SLE RA 12	-644.6	Si
1310	-66348	101211	-37471	SLE RA 13	-37.3	-66348	101211	-37471	SLE RA 13	-484.6	Si
1339	-63621	87333	-37364	SLE RA 13	-35.5	-63621	87333	-37364	SLE RA 13	-466.7	Si
1368	-60846	73213	-37255	SLE RA 13	-33.7	-60846	73213	-37255	SLE RA 13	-448.4	Si
1397	-58072	59092	-37147	SLE RA 13	-31.8	-58072	59092	-37147	SLE RA 13	-430.1	Si
1426	-55297	44972	-37038	SLE RA 13	-30	-55297	44972	-37038	SLE RA 13	-411.8	Si
1455	-52523	30851	-36929	SLE RA 13	-28.2	-52523	30851	-36929	SLE RA 13	-393.6	Si
1484	-49748	16731	-36820	SLE RA 13	-26.4	-49748	16731	-36820	SLE RA 13	-375.3	Si
1513	-46974	2610	-36712	SLE RA 13	-24.6	-46974	2610	-36712	SLE RA 13	-357	Si
1542	-43345	-12879	-36651	SLE RA 12	-25.4	-43345	-12879	-36651	SLE RA 12	-364.5	Si
1571	-40889	-27324	-36542	SLE RA 12	-26.8	-40889	-27324	-36542	SLE RA 12	-377.1	Si
1600	-38433	-41768	-36433	SLE RA 12	-28.2	-38433	-41768	-36433	SLE RA 12	-389.6	Si
1620	102570	117967	-13794	SLE RA 12	-28	102570	117967	-13794	SLE RA 12	-327.9	Si
1649	96015	80032	-13687	SLE RA 12	-23.3	96015	80032	-13687	SLE RA 12	-281.1	Si
1678	89346	41431	-13578	SLE RA 12	-18.5	89346	41431	-13578	SLE RA 12	-233.5	Si
1707	82677	2830	-13470	SLE RA 12	-13.7	82677	2830	-13470	SLE RA 12	-185.9	Si
1736	76008	-35770	-13361	SLE RA 12	-16.8	76008	-35770	-13361	SLE RA 12	-214.8	Si
1765	69339	-74371	-13252	SLE RA 12	-20.6	69339	-74371	-13252	SLE RA 12	-249.7	Si
1794	62669	-112972	-13143	SLE RA 12	-24.3	62669	-112972	-13143	SLE RA 12	-284.7	Si
1823	56000	-151572	-13035	SLE RA 12	-28.1	56000	-151572	-13035	SLE RA 12	-319.6	Si
1852	49331	-190173	-12926	SLE RA 12	-42.1	49331	-190173	-12926	SLE RA 12	448.2	Si
1881	42662	-228774	-12817	SLE RA 12	-49.2	42662	-228774	-12817	SLE RA 12	644.4	Si
1910	39163	-264657	-12688	SLE RA 13	-56	36108	-266709	-12710	SLE RA 12	844.6	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	143158	18918	-105489	SLE QP 2	-58.7	Si
-111	126921	17175	-105359	SLE QP 2	-57.7	Si
-81	110402	15402	-105226	SLE QP 2	-56.7	Si
-52	93884	13628	-105094	SLE QP 2	-55.7	Si
-22	77365	11855	-104962	SLE QP 2	-54.7	Si
7	60847	10082	-104829	SLE QP 2	-53.7	Si
36	44328	8308	-104697	SLE QP 2	-52.7	Si
66	27810	6535	-104565	SLE QP 2	-51.7	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
95	11291	4761	-104432	SLE QP 2	-50.7	Si
125	-5392	2970	-104299	SLE QP 2	-50.2	Si
154	-21745	1215	-104168	SLE QP 2	-50.7	Si
184	-38264	-559	-104035	SLE QP 2	-51.4	Si
213	-54535	-2305	-103905	SLE QP 2	-52.2	Si
242	-71301	-4105	-103770	SLE QP 2	-53.1	Si
272	-87819	-5879	-103638	SLE QP 2	-54	Si
301	-104338	-7652	-103506	SLE QP 2	-54.9	Si
331	-120856	-9426	-103373	SLE QP 2	-55.8	Si
360	-137094	-11169	-103243	SLE QP 2	-56.6	Si
380	44811	58994	-84755	SLE QP 2	-47.8	Si
409	47639	44208	-84627	SLE QP 2	-46.6	Si
438	50516	29163	-84496	SLE QP 2	-45.3	Si
467	53394	14117	-84366	SLE QP 2	-44	Si
496	56271	-928	-84235	SLE QP 2	-42.8	Si
525	59149	-15973	-84105	SLE QP 2	-44.3	Si
554	62027	-31018	-83974	SLE QP 2	-45.7	Si
583	64904	-46064	-83844	SLE QP 2	-47.2	Si
612	67782	-61109	-83713	SLE QP 2	-48.6	Si
641	70659	-76154	-83583	SLE QP 2	-50.1	Si
670	73537	-91199	-83452	SLE QP 2	-51.5	Si
690	-60997	96033	-68194	SLE QP 2	-44.1	Si
719	-66260	81548	-68066	SLE QP 2	-43	Si
748	-71615	66810	-67935	SLE QP 2	-41.8	Si
777	-76971	52072	-67805	SLE QP 2	-40.7	Si
806	-82326	37333	-67674	SLE QP 2	-39.5	Si
835	-87681	22595	-67544	SLE QP 2	-38.4	Si
864	-93037	7856	-67413	SLE QP 2	-37.2	Si
893	-98392	-6882	-67283	SLE QP 2	-37.3	Si
922	-103747	-21620	-67152	SLE QP 2	-38.8	Si
951	-109103	-36359	-67022	SLE QP 2	-40.3	Si
980	-114366	-50843	-66894	SLE QP 2	-39.6	Si
1000	62166	52690	-48390	SLE QP 2	-36.6	Si
1029	61582	38341	-48282	SLE QP 2	-35.7	Si
1058	60998	23993	-48173	SLE QP 2	-34.5	Si
1087	60414	9644	-48064	SLE QP 2	-32.8	Si
1116	59830	-4704	-47955	SLE QP 2	-32.2	Si
1145	59247	-19053	-47847	SLE QP 2	-33.6	Si
1174	58663	-33401	-47738	SLE QP 2	-35.1	Si
1203	58079	-47750	-47629	SLE QP 2	-36.6	Si
1232	57495	-62099	-47520	SLE QP 2	-38.1	Si
1261	56911	-76447	-47412	SLE QP 2	-39.6	Si
1290	56327	-90796	-47303	SLE QP 2	-41.1	Si
1310	-53287	88697	-31689	SLE QP 2	-31.7	Si
1339	-50531	75903	-31582	SLE QP 2	-30	Si
1368	-47727	62885	-31473	SLE QP 2	-28.3	Si
1397	-44922	49866	-31364	SLE QP 2	-26.6	Si
1426	-42118	36848	-31255	SLE QP 2	-24.9	Si
1455	-39314	23829	-31147	SLE QP 2	-23.2	Si
1484	-36509	10810	-31038	SLE QP 2	-21.5	Si
1513	-33705	-2208	-30929	SLE QP 2	-20.3	Si
1542	-30901	-15227	-30820	SLE QP 2	-21.5	Si
1571	-28096	-28245	-30712	SLE QP 2	-22.7	Si
1600	-25292	-41264	-30603	SLE QP 2	-23.9	Si
1620	81546	95846	-10864	SLE QP 2	-22.4	Si
1649	76425	65826	-10757	SLE QP 2	-18.7	Si
1678	71213	35280	-10648	SLE QP 2	-14.9	Si
1707	66002	4733	-10539	SLE QP 2	-11.1	Si
1736	60790	-25813	-10431	SLE QP 2	-13	Si
1765	55579	-56359	-10322	SLE QP 2	-16	Si
1794	50367	-86906	-10213	SLE QP 2	-18.9	Si
1823	45156	-117452	-10104	SLE QP 2	-21.9	Si
1852	39944	-147999	-9996	SLE QP 2	-24.8	Si
1881	34733	-178545	-9887	SLE QP 2	-38.6	Si
1910	29611	-208565	-9780	SLE QP 2	-44	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

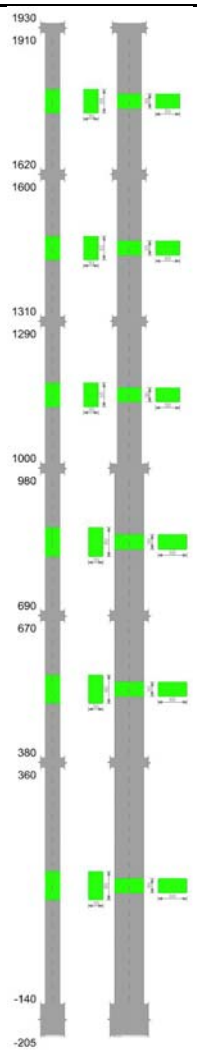
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.

Pilastro 25

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60	No	No	No	No		C30/37	B450C	
380	670	R 30x60	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	
1620	1910	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.10	-9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	-9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.11	-9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	-9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	448857	-448857	-165477	818158	-818158	SLU 51	1.823	Si
-111	20.11	2.2	0	1,2	448398	-448398	-165308	818158	-818158	SLU 51	1.825	Si
-81	20.11	1.1	0	2	447931	-447931	-165136	818158	-818158	SLU 51	1.827	Si
-52	20.11	1.1	0	2	447465	-447465	-164964	818158	-818158	SLU 51	1.828	Si
-22	20.11	1.1	0	2	446998	-446998	-164792	818158	-818158	SLU 51	1.83	Si
7	20.11	1.1	0	2	446531	-446531	-164620	818158	-818158	SLU 51	1.832	Si
36	20.11	1.1	0	2	446064	-446064	-164448	818158	-818158	SLU 51	1.834	Si
66	20.11	1.1	0	2	445598	-445598	-164276	818158	-818158	SLU 51	1.836	Si
95	20.11	1.1	0	2	445131	-445131	-164104	818158	-818158	SLU 51	1.838	Si
125	20.11	1.1	0	2	-444660	-444660	-163930	-818158	-818158	SLU 51	1.84	Si
154	20.11	1.1	0	2	-444198	-444198	-163759	-818158	-818158	SLU 51	1.842	Si
184	20.11	1.1	0	2	-443731	443731	-163587	-818158	818158	SLU 51	1.844	Si
213	20.11	1.1	0	2	-443271	443271	-163418	-818158	818158	SLU 51	1.846	Si
242	20.11	1.1	0	2	-442797	442797	-163243	-818158	818158	SLU 51	1.848	Si
272	20.11	1.1	0	2	-442331	442331	-163071	-818158	818158	SLU 51	1.85	Si
301	20.11	1.1	0	2	-441864	441864	-162899	-818158	818158	SLU 51	1.852	Si
331	20.11	1.1	0	2	-441397	441397	-162727	-818158	818158	SLU 51	1.854	Si
360	20.11	1.1	0	2	-440939	440939	-162558	-818158	818158	SLU 51	1.855	Si
380	20.11	2.2	0	2,3	410108	-274894	-137447	943816	-632637	SLU 51	2.301	Si
409	20.11	2.2	0	2,3	354335	-274555	-137277	824993	-639242	SLU 51	2.328	Si
438	20.11	1.1	0	3	298563	-274216	-137108	702444	-645161	SLU 51	2.353	Si
467	20.11	1.1	0	3	273876	-273876	-136938	647491	-647491	SLU 51	2.364	Si
496	20.11	1.1	0	3	273537	-273537	-136769	647491	-647491	SLU 51	2.367	Si
525	20.11	1.1	0	3	273198	273198	-136599	647491	647491	SLU 51	2.37	Si
554	20.11	1.1	0	3	272858	272858	-136429	647491	647491	SLU 51	2.373	Si
583	20.11	1.1	0	3	272519	272519	-136260	647491	647491	SLU 51	2.376	Si
612	20.11	1.1	0	3	-272180	272180	-136090	-647491	647491	SLU 51	2.379	Si
641	20.11	1.1	0	3	-271841	271841	-135920	-647491	647491	SLU 51	2.382	Si
670	20.11	1.1	0	3	-271501	271501	-135751	-647491	647491	SLU 51	2.385	Si
690	20.11	2.2	0	3,4,6,7	189997	189997	-94999	647491	647491	SLU 51	3.408	Si
719	20.11	2.2	0	3,4,6,7	189664	189664	-94832	647491	647491	SLU 51	3.414	Si
748	20.11	1.1	0	4,6,7	189325	-189325	-94662	647491	-647491	SLU 51	3.42	Si
777	20.11	1.1	0	4,6,7	188985	-188985	-94493	647491	-647491	SLU 51	3.426	Si
806	20.11	1.1	0	4,6,7	-188646	-188646	-94323	-647491	-647491	SLU 51	3.432	Si
835	20.11	1.1	0	4,6,7	-188307	-188307	-94153	-647491	-647491	SLU 51	3.438	Si
864	20.11	1.1	0	4,6,7	-187967	-187967	-93984	-647491	-647491	SLU 51	3.445	Si
893	20.11	1.1	0	4,6,7	-187628	-187628	-93814	-647491	-647491	SLU 51	3.451	Si
922	20.11	1.1	0	4,6,7	-187289	-187289	-93644	-647491	-647491	SLU 51	3.457	Si
951	20.37	1.6	0	4,5,6,7	-186949	-186949	-93475	-649217	-649217	SLU 51	3.473	Si
980	27.42	2	0	4,5,6,7	-186616	-186616	-93308	-695580	-695580	SLU 51	3.727	Si
1000	20.11	2.4	0	5,6,7,8	277032	117992	-58996	1168642	497740	SLU 51	4.218	Si
1029	17.8	2.4	0	5,6,7,8	211789	117709	-58854	918163	510301	SLU 51	4.335	Si
1058	16.08	1.1	0	8	146545	117426	-58713	652173	522583	SLU 51	4.45	Si
1087	16.08	1.1	0	8	117143	117143	-58572	530708	530708	SLU 51	4.53	Si
1116	16.08	1.1	0	8	116861	116861	-58430	530708	530708	SLU 51	4.541	Si
1145	16.08	1.1	0	8	-116578	116578	-58289	-530708	530708	SLU 51	4.552	Si
1174	16.08	1.1	0	8	-116295	116295	-58148	-530708	530708	SLU 51	4.563	Si
1203	16.08	1.1	0	8	-179672	116012	-58006	-791663	511169	SLU 51	4.406	Si
1232	16.08	1.1	0	8	-244916	115730	-57865	-1029683	486555	SLU 51	4.204	Si
1261	16.08	1.1	0	8	-310159	115447	-57723	-1238818	461111	SLU 51	3.994	Si
1290	16.08	1.1	0	8	-375403	115164	-57582	-1419080	435339	SLU 51	3.78	Si
1310	16.08	2.1	0	8,9	362160	-103452	-26385	1860661	-531505	SLU 51	5.138	Si
1339	16.08	2.1	0	8,9	307303	-82233	-26246	1832669	-490414	SLU 51	5.964	Si
1368	16.08	1.1	0	9	251483	-60641	-26105	1756629	-423581	SLU 51	6.985	Si
1397	16.08	1.1	0	9	195663	-51927	-25964	1558411	-413591	SLU 51	7.965	Si
1426	16.08	1.1	0	9	140790	-51565	-25782	1253880	-459237	SLU 52	8.906	Si
1455	16.08	1.1	0	9	85867	51282	-25641	847088	505901	SLU 52	9.865	Si
1484	16.08	1.1	0	9	51079	51079	-25540	530708	530708	SLU 51	10.39	Si
1513	16.08	1.1	0	9	-50796	50796	-25398	-530708	530708	SLU 51	10.448	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1542	16.08	1.1	0	9	-83438	68911	-25257	-794788	656415	SLU 51	9.526	Si
1571	16.08	1.1	0	9	-139258	90503	-25115	-1136874	738851	SLU 51	8.164	Si
1600	16.08	1.1	0	9	-195078	112095	-24974	-1354889	778543	SLU 51	6.945	Si
1620	16.08	2.1	0	9,10,11	157406	-243812	-11702	710997	-1101290	SLU 51	4.517	Si
1649	16.08	2.1	0	9,10,11	107417	-186975	-11548	697536	-1214162	SLU 52	6.494	Si
1678	16.08	1.1	0	10,11	52935	-131128	-11406	543531	-1346410	SLU 52	10.268	Si
1707	16.08	1.1	0	10,11	-22561	-75879	-11280	-361878	-1217119	SLU 51	16.04	Si
1736	16.08	1.1	0	10,11	-58807	-22278	-11139	-1222578	-463153	SLU 51	20.79	Si
1765	16.08	1.1	0	10,11	-113094	36723	-10998	-1709375	555056	SLU 51	15.115	Si
1794	16.08	1.1	0	10,11	-167381	93024	-10856	-1479305	822143	SLU 51	8.838	Si
1823	16.08	1.1	0	10,11	-221668	149325	-10715	-1259265	848295	SLU 51	5.681	Si
1852	16.08	1.1	0	10,11	-275955	205627	-10573	-1118220	833235	SLU 51	4.052	Si
1881	16.08	1.1	0	10,11	-330243	261928	-10432	-1030537	817358	SLU 51	3.121	Si
1910	16.08	1.1	0	10,11	-384530	318229	-10291	-969360	802223	SLU 51	2.521	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	1157323	226552	-113326	-2.02	1.92	2034547	398273	SLV 5	1.758				Si
-111	20.11	2.2	0	1,2	1061448	206436	-113196	-2.02	1.92	1966085	382375	SLV 5	1.852				Si
-81	20.11	1.1	0	2	963925	185974	-113064	-2.02	1.92	1882248	363150	SLV 5	1.953				Si
-52	20.11	1.1	0	2	866416	165513	-112932	-2.02	1.92	1782592	340532	SLV 5	2.057				Si
-22	20.11	1.1	0	2	768927	145055	-112799	-2.02	1.92	1666025	314289	SLV 5	2.167				Si
7	20.11	1.1	0	2	671463	124601	-112667	-2.02	1.92	1532189	284322	SLV 5	2.282				Si
36	20.11	1.1	0	2	574036	104152	-112534	-2.02	1.92	1381869	250723	SLV 5	2.407				Si
66	20.11	1.1	0	2	476669	83715	-112402	-2.02	1.92	1214228	213249	SLV 5	2.547				Si
95	20.11	1.1	0	2	379393	63301	-112270	-2.02	1.92	1026065	171198	SLV 5	2.704				Si
125	20.11	1.1	0	2	281302	42743	-112136	-2.02	1.92	811199	123260	SLV 5	2.884				Si
154	20.11	1.1	0	2	185524	23092	-112005	-2.02	1.92	545400	67885	SLV 5	2.94				Si
184	20.11	1.1	0	2	89754	1766	-111873	-2.02	1.92	264168	5197	SLV 5	2.943				Si
213	20.11	1.1	0	2	-4429	-18989	-111742	-2.02	1.92	-13050	-55956	SLV 5	2.947				Si
242	20.11	1.1	0	2	-126776	-39521	-111608	-2.02	1.92	-374020	-116597	SLV 5	2.95				Si
272	20.11	1.1	0	2	-215946	-59901	-111476	-2.02	1.92	-637847	-176933	SLV 5	2.954				Si
301	20.11	1.1	0	2	-309668	-80325	-111343	-2.02	1.92	-860305	-223156	SLV 5	2.778				Si
331	20.11	1.1	0	2	-405977	-100768	-111211	-2.02	1.92	-1062950	-263835	SLV 5	2.618				Si
360	20.11	1.1	0	2	-501238	-120871	-111081	-2.02	1.92	-1241774	-299447	SLV 5	2.477				Si
380	20.11	2.2	0	2,3	400859	276314	-82530	-2.02	1.92	1101990	759605	SLV 1	2.749				Si
409	20.11	2.2	0	2,3	385830	144773	-90429	-2.02	1.92	1140817	428063	SLV 5	2.957				Si
438	20.11	1.1	0	3	312032	110293	-90299	-2.02	1.92	989609	349795	SLV 5	3.171				Si
467	20.11	1.1	0	3	241929	75937	-90168	-2.02	1.92	825406	259079	SLV 5	3.412				Si
496	20.11	1.1	0	3	169523	8088	-92324	-2.02	1.92	604596	28846	SLV 9	3.566				Si
525	20.11	1.1	0	3	57460	6002	-92194	-2.02	1.92	205217	21435	SLV 9	3.572				Si
554	20.11	1.1	0	3	-18209	1777	-92063	-2.02	1.92	-65127	6355	SLV 9	3.577				Si
583	20.11	1.1	0	3	-77355	-896	-91933	-2.02	1.92	-277057	-3210	SLV 9	3.582				Si
612	20.11	1.1	0	3	85521	205223	-84512	-2.02	1.92	288808	693051	SLV 15	3.377				Si
641	20.11	1.1	0	3	78680	272311	-84381	-2.02	1.92	247848	857805	SLV 15	3.15				Si
670	20.11	1.1	0	3	72495	339477	-84251	-2.02	1.92	213562	1000061	SLV 15	2.946				Si
690	20.11	2.2	0	3,4,6,7	287037	291383	-56916	-2.02	1.92	976557	991342	SLV 1	3.402				Si
719	20.11	2.2	0	3,4,6,7	294533	154954	-62779	-2.02	1.92	1150577	605322	SLV 5	3.906				Si
748	20.11	1.1	0	4,6,7	216752	109364	-62649	-2.02	1.92	947813	478227	SLV 5	4.373				Si
777	20.11	1.1	0	4,6,7	140813	63914	-62518	-2.02	1.92	696868	316303	SLV 5	4.949				Si
806	20.11	1.1	0	4,6,7	50753	-8987	-64118	-2.02	1.92	260638	-46149	SLV 9	5.135				Si
835	20.11	1.1	0	4,6,7	-41895	-27810	-63987	-2.02	1.92	-215588	-143106	SLV 9	5.146				Si
864	20.11	1.1	0	4,6,7	-126587	-75222	-62127	-2.02	1.92	-625929	-371947	SLV 5	4.945				Si
893	20.11	1.1	0	4,6,7	-198623	-120349	-61996	-2.02	1.92	-873043	-528994	SLV 5	4.395				Si
922	20.11	1.1	0	4,6,7	-275209	-165859	-61866	-2.02	1.92	-1083450	-652958	SLV 5	3.937				Si
951	20.37	1.6	0	4,5,6,7	-281963	-290373	-55744	-2.02	1.92	-973815	-1002861	SLV 1	3.454				Si
980	27.42	2	0	4,5,6,7	-342683	-353800	-55615	-2.02	1.92	-1109809	-1145809	SLV 1	3.239				Si
1000	20.11	2.4	0	5,6,7,8	301811	269968	-34862	-2.02	1.92	945513	845756	SLV 1	3.133				Si
1029	17.8	2.4	0	5,6,7,8	235228	219584	-34753	-2.02	1.92	880341	821791	SLV 1	3.742				Si
1058	16.08	1.1	0	8	169399	169301	-34644	-2.02	1.92	773061	772617	SLV 1	4.564				Si
1087	16.08	1.1	0	8	125812	88727	-38796	-2.02	1.92	690110	486687	SLV 5	5.485				Si
1116	16.08	1.1	0	8	55152	54665	-38687	-2.02	1.92	360761	357578	SLV 5	6.541				Si
1145	16.08	1.1	0	8	-58530	26658	-39872	-2.02	1.92	-398788	181630	SLV 9	6.813				Si
1174	16.08	1.1	0	8	-137247	-18524	-38470	-2.02	1.92	-860443	-116129	SLV 5	6.269				Si
1203	16.08	1.1	0	8	-211425	-52865	-38361	-2.02	1.92	-1117816	-279498	SLV 5	5.287				Si
1232	16.08	1.1	0	8	-247834	-135754	-33992	-2.02	1.92	-1100464	-602794	SLV 1	4.44				Si
1261	16.08	1.1	0	8	-314386	-186064	-33883	-2.02	1.92	-1119833	-662752	SLV 1	3.562				Si
1290	16.08	1.1	0	8	-381317	-236460	-33774	-2.02	1.92	-1102722	-683815	SLV 1	2.892				Si
1310	16.08	2.1	0	8,9	351008	105879	-15214	-2.02	1.92	1400430	422428	SLV 1	3.99				Si
1339	16.08	2.1	0	8,9	309995	-169622	-18707	-2.02	1.92	1140216	-623899	SLV 13	3.678				Si
1368	16.08	1.1	0	9	274639	-130881	-18598	-2.02	1.92	1231236	-586753	SLV 13	4.483				Si
1397	16.08	1.1	0	9	240865	-92077	-18490	-2.02	1.92	1350997	-516454	SLV 13	5.609				Si
1426	16.08	1.1	0	9	210392	-53445	-18381	-2.02	1.92	1497124	-380307	SLV 13	7.116				Si
1455	16.08	1.1	0	9	221816	24711	-18833	-2.02	1.92	1682824	187475	SLV 9	7.587				Si
1484	16.08	1.1	0	9	197321	60051	-18724	-2.02	1.92	1418989	431840	SLV 9	7.191				Si
1513	16.08	1.1	0	9	176526	88781	-18615	-2.02	1.92	1199484	603258	SLV 9	6.795				Si
1542	16.08	1.1	0	9	144465	121889	-18506	-2.02	1.92	926520	781733	SLV 9	6.413				Si
1571	16.08	1.1	0	9	-240323	156693	-18398	-2.02	1.92	-1063857	693646	SLV 9	4.427				Si
1600	16.08	1.1	0	9	-286997	192332	-18289	-2.02	1.92	-1028614	689332	SLV 9	3.584				Si
1620	16.08	2.1	0	9,10,11	379494	-193951	-8391	-2.02	1.92	881131	-450325	SLV 13	2.322				Si
1649	16.08	2.1	0	9,10,11	-246129	-170467	-4717	-2.02	1.92	-719063	-498018	SLV 7	2.921				Si
1678	16.08	1.1	0	10,11	-214046	-127842	-4609	-2.02	1.92	-806503	-481695	SLV 7	3.768				Si
1707	16.08	1.1	0	10,11	-183687	-99622	-4500	-2.02	1.92	-885143	-480056	SLV 7	4.819				Si
1736	16.08	1.1	0	10,11	-112615	-54576	-4760	-2.02	1.92	-1160947	-562623	SLV 3	10.309				Si
1765	16.08	1.1	0	10,11	-118529	40957	-8218	-2.02	1.92	-1395058	482060	SLV 9	11.77				Si
1794	16.08	1.1	0	10,11	-75664	97652	-7740	-2.02	1.92	-691410	892324	SLV 13	9.138				Si
1823	16.08	1.1	0	10,11	-38787	169005	-6650	-2.02	1.92	-227172	989838	SLV 15	5.857				Si
1852	16.08	1.1	0	10,11	-326836	30529	-7227	-2.02	1.92	-1293590	120832	SLV 5	3.958				Si
1881	16.08	1.1	0	10,11	-357210	241041	-7414	-2.02	1.92	-744526	502396	SLV 13	2.084				Si
1910	16.08	1.1	0	10,11	-435587	288732	-7305	-2.02	1.92	-716444	474900	SLV 13	1.645				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	545748	45567	-106537	1436119	119909	SLD 5	2.631	Si
-111	20.11	2.2	0	1,2	496575	41880	-106407	1341959	113178	SLD 5	2.702	Si
-81	20.11	1.1	0	2	446558	38130	-106274	1240826	105950	SLD 5	2.779	Si
-52	20.11	1.1	0	2	396549	34381	-106142	1133830	98303	SLD 5	2.859	Si
-22	20.11	1.1	0	2	346552	30633	-106010	1020468	90203	SLD 5	2.945	Si
7	20.11	1.1	0	2	296571	26888	-105877	900164	81611	SLD 5	3.035	Si
36	20.11	1.1	0	2	246611	23146	-105745	767902	72072	SLD 5	3.114	Si
66	20.11	1.1	0	2	196689	19411	-105613	613219	60517	SLD 5	3.118	Si
95	20.11	1.1	0	2	146821	15690	-105480	458322	48978	SLD 5	3.122	Si
125	20.11	1.1	0	2	96552	11968	-105347	301782	37408	SLD 5	3.126	Si
154	20.11	1.1	0	2	47506	8618	-105215	148670	26971	SLD 5	3.129	Si
184	20.11	1.1	0	2	-1437	4379	-105083	-4502	13720	SLD 5	3.133	Si
213	20.11	1.1	0	2	-48963	305	-104953	-153612	956	SLD 5	3.137	Si
242	20.11	1.1	0	2	-111992	-3365	-104818	-351806	-10570	SLD 5	3.141	Si
272	20.11	1.1	0	2	-159070	-7067	-104686	-500323	-22228	SLD 5	3.145	Si
301	20.11	1.1	0	2	-207064	-10794	-104554	-652105	-33995	SLD 5	3.149	Si
331	20.11	1.1	0	2	-256395	-14533	-104421	-808486	-45826	SLD 5	3.153	Si
360	20.11	1.1	0	2	-305216	-18213	-104291	-939525	-56063	SLD 5	3.078	Si
380	20.11	2.2	0	2,3	240135	-118010	-86471	811441	-398768	SLD 13	3.379	Si
409	20.11	2.2	0	2,3	207758	-93655	-86340	734440	-331075	SLD 13	3.535	Si
438	20.11	1.1	0	3	236895	33576	-86342	874955	124010	SLD 5	3.693	Si
467	20.11	1.1	0	3	178712	-1141	-87125	675398	-4311	SLD 9	3.779	Si
496	20.11	1.1	0	3	140075	1930	-86995	530176	7303	SLD 9	3.785	Si
525	20.11	1.1	0	3	68324	5258	-86864	258992	19932	SLD 9	3.791	Si
554	20.11	1.1	0	3	15305	7545	-86734	58102	28642	SLD 9	3.796	Si
583	20.11	1.1	0	3	-28569	10624	-86603	-108621	40393	SLD 9	3.802	Si
612	20.11	1.1	0	3	-74062	13638	-86473	-282011	51931	SLD 9	3.808	Si
641	20.11	1.1	0	3	-120316	16637	-86342	-458829	63446	SLD 9	3.814	Si
670	20.11	1.1	0	3	-78749	126486	-85166	-291192	467715	SLD 13	3.698	Si
690	20.11	2.2	0	3,4,6,7	192020	79499	-60003	919604	380727	SLD 5	4.789	Si
719	20.11	2.2	0	3,4,6,7	150528	59069	-59875	770069	302185	SLD 5	5.116	Si
748	20.11	1.1	0	4,6,7	88787	3139	-60451	483617	17096	SLD 9	5.447	Si
777	20.11	1.1	0	4,6,7	53832	-5459	-60320	293855	-29799	SLD 9	5.459	Si
806	20.11	1.1	0	4,6,7	21076	-14023	-60190	115299	-76711	SLD 9	5.471	Si
835	20.11	1.1	0	4,6,7	-31442	-24668	-60059	-172377	-135238	SLD 9	5.482	Si
864	20.11	1.1	0	4,6,7	-67166	-31382	-59929	-369032	-172426	SLD 9	5.494	Si
893	20.11	1.1	0	4,6,7	-116014	-66528	-59092	-610296	-349975	SLD 5	5.261	Si
922	20.11	1.1	0	4,6,7	-157075	-87236	-58961	-774551	-430167	SLD 5	4.931	Si
951	20.37	1.6	0	4,5,6,7	-198978	-108004	-58831	-925011	-502092	SLD 5	4.649	Si
980	27.42	2	0	4,5,6,7	-206180	-166423	-56297	-965013	-778931	SLD 1	4.68	Si
1000	20.11	2.4	0	5,6,7,8	222240	123711	-35408	1080619	601534	SLD 1	4.862	Si
1029	17.8	2.4	0	5,6,7,8	172603	103149	-35299	926435	553649	SLD 1	5.367	Si
1058	16.08	1.1	0	8	136033	64416	-36945	800183	378914	SLD 5	5.882	Si
1087	16.08	1.1	0	8	83705	50009	-36836	550940	329154	SLD 5	6.582	Si
1116	16.08	1.1	0	8	30331	25653	-37273	221149	187047	SLD 9	7.291	Si
1145	16.08	1.1	0	8	-41431	24079	-37164	-302972	176081	SLD 9	7.313	Si
1174	16.08	1.1	0	8	-86824	16669	-37055	-612694	117627	SLD 9	7.057	Si
1203	16.08	1.1	0	8	-95641	49228	-36466	-623759	321062	SLD 13	6.522	Si
1232	16.08	1.1	0	8	-200721	-23647	-36292	-1176587	-138616	SLD 5	5.862	Si
1261	16.08	1.1	0	8	-254662	-38149	-36183	-1344819	-201459	SLD 5	5.281	Si
1290	16.08	1.1	0	8	-284197	-83471	-34320	-1339596	-393450	SLD 1	4.714	Si
1310	16.08	2.1	0	8,9	195738	-127642	-17335	1073584	-700092	SLD 13	5.485	Si
1339	16.08	2.1	0	8,9	235247	-103477	-17228	1280223	-563124	SLD 13	5.442	Si
1368	16.08	1.1	0	9	202878	-78859	-17119	1340790	-521168	SLD 13	6.609	Si
1397	16.08	1.1	0	9	171186	-54221	-17011	1393664	-441425	SLD 13	8.141	Si
1426	16.08	1.1	0	9	140787	-29724	-16902	1411660	-298041	SLD 13	10.027	Si
1455	16.08	1.1	0	9	129717	13088	-17016	1436603	144953	SLD 9	11.075	Si
1484	16.08	1.1	0	9	102104	37616	-16907	1119810	412544	SLD 9	10.967	Si
1513	16.08	1.1	0	9	75748	58033	-16798	820186	628368	SLD 9	10.828	Si
1542	16.08	1.1	0	9	43392	80237	-16689	460713	851909	SLD 9	10.617	Si
1571	16.08	1.1	0	9	-197903	80037	-16116	-1324740	535758	SLD 5	6.694	Si
1600	16.08	1.1	0	9	-201284	126491	-16472	-1090897	685540	SLD 9	5.42	Si
1620	16.08	2.1	0	9,10,11	228418	-166146	-7502	822057	-597945	SLD 13	3.599	Si
1649	16.08	2.1	0	9,10,11	175956	-128896	-7395	912973	-668794	SLD 13	5.189	Si
1678	16.08	1.1	0	10,11	122764	-91605	-7286	957626	-714570	SLD 13	7.801	Si
1707	16.08	1.1	0	10,11	-88865	-73307	-5605	-905204	-746722	SLD 7	10.186	Si
1736	16.08	1.1	0	10,11	-70186	-33460	-5649	-1242626	-592391	SLD 3	17.705	Si
1765	16.08	1.1	0	10,11	-101082	16535	-6816	-1655062	270742	SLD 5	16.373	Si
1794	16.08	1.1	0	10,11	-85740	67678	-6851	-954251	753225	SLD 13	11.13	Si
1823	16.08	1.1	0	10,11	-113873	106202	-6742	-830185	774260	SLD 13	7.29	Si
1852	16.08	1.1	0	10,11	-141651	144594	-6634	-716095	730975	SLD 13	5.055	Si
1881	16.08	1.1	0	10,11	-259976	182995	-6525	-765191	538611	SLD 13	2.943	Si
1910	16.08	1.1	0	10,11	-312910	221423	-6416	-721226	510358	SLD 13	2.305	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	530	-155977	SLU 46	15366	51792	52691	2.35	97.79	-1444	-155977	SLU 46	15029	48385	55356	2.5	33.51	Si
-111	5X/2Y Ø8/10	530	-155808	SLU 46	15366	51792	52691	2.35	97.79	-1444	-155808	SLU 46	15029	48385	55356	2.5	33.51	Si
-81	5X/2Y Ø8/10	530	-155636	SLU 46	15366	51792	52691	2.35	97.79	-1444	-155636	SLU 46	15029	48385	55356	2.5	33.51	Si
-52	5X/2Y Ø8/10	530	-155464	SLU 46	15366	51792	52691	2.35	97.79	-1444	-155464	SLU 46	15029	48385	55356	2.5	33.51	Si
-22	5X/2Y Ø8/15	530	-155292	SLU 46	15366	36732	50429	2.5	69.36	-1444	-155292	SLU 46	15029	32257	55356	2.5	22.34	Si
7	5X/2Y Ø8/15	530	-155120	SLU 46	15366	36732	50429	2.5	69.36	-1444	-155120	SLU 46	15029	32257	55356	2.5	22.34	Si
36	5X/2Y Ø8/15	530	-154948	SLU 46	15366	36732	50429	2.5	69.36	-1444	-154948	SLU 46	15029	32257	55356	2.5	22.34	Si
66	5X/2Y Ø8/15	530	-154776	SLU 46	15366	36732	50429	2.5	69.36	-1444	-154776	SLU 46	15029	32257	55356	2.5	22.34	Si
95	5X/2Y Ø8/15	530	-154604	SLU 46	15366	36732	50429	2.5	69.36	-1444	-154604	SLU 46	15029	32257	55356	2.5	22.34	Si
125	5X/2Y Ø8/15	530	-154430	SLU 46	15366	36732	50429	2.5	69.36	-1444	-154430	SLU 46	15029	32257	55356	2.5	22.34	Si
154	5X/2Y Ø8/15	530	-154259	SLU 46	15366	36732	50429	2.5	69.36	-1444	-154259	SLU 46	15029	32257	55356	2.5	22.34	Si
184	5X/2Y Ø8/15	530	-154087	SLU 46	15366	36732	50429	2.5	69.36	-1444	-154087	SLU 46	15029	32257	55356	2.5	22.34	Si
213	5X/2Y Ø8/15	530	-153918	SLU 46	15366	36732	50429	2.5	69.36	-1444	-153918	SLU 46	15029	32257	55356	2.5	22.34	Si
242	5X/2Y Ø8/10	530	-153743	SLU 46	15366	51792	52691	2.35	97.79	-1444	-153743	SLU 46	15029	48385	55356	2.5	33.51	Si
272	5X/2Y Ø8/10	530	-153571	SLU 46	15366	51792	52691	2.35	97.79	-1444	-153571	SLU 46	15029	48385	55356	2.5	33.51	Si
301	5X/2Y Ø8/10	530	-153399	SLU 46	15366	51792	52691	2.35	97.79	-1444	-153399	SLU 46	15029	48385	55356	2.5	33.51	Si
331	5X/2Y Ø8/10	530	-153227	SLU 46	15366	51792	52691	2.35	97.79	-1444	-153227	SLU 46	15029	48385	55356	2.5	33.51	Si
360	5X/2Y Ø8/10	530	-153058	SLU 46	15366	51792	52691	2.35	97.79	-1444	-153058	SLU 46	15029	48385	55356	2.5	33.51	Si
380	5X/2Y Ø8/10	378	-137168	SLU 49	15366	51792	52691	2.35	136.88	-1923	-137447	SLU 51	15029	48385	55356	2.5	25.16	Si
409	5X/2Y Ø8/10	378	-136999	SLU 49	15366	51792	52691	2.35	136.88	-1923	-137277	SLU 51	15029	48385	55356	2.5	25.16	Si
438	5X/2Y Ø8/10	378	-136829	SLU 49	15366	51792	52691	2.35	136.88	-1923	-137108	SLU 51	15029	48385	55356	2.5	25.16	Si
467	5X/2Y Ø8/14.4	378	-136660	SLU 49	15366	38145	50429	2.5	100.81	-1923	-136938	SLU 51	15029	33497	55356	2.5	17.42	Si
496	5X/2Y Ø8/14.4	378	-136490	SLU 49	15366	38145	50429	2.5	100.81	-1923	-136769	SLU 51	15029	33497	55356	2.5	17.42	Si

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
525	5X/2Y Ø8/14.4	378	-136320	SLU 49	15366	38145	50429	2.5	100.81	-1923	-136599	SLU 51	15029	33497	55356	2.5	17.42	Si
554	5X/2Y Ø8/14.4	378	-136151	SLU 49	15366	38145	50429	2.5	100.81	-1923	-136429	SLU 51	15029	33497	55356	2.5	17.42	Si
583	5X/2Y Ø8/14.4	378	-135981	SLU 49	15366	38145	50429	2.5	100.81	-1923	-136260	SLU 51	15029	33497	55356	2.5	17.42	Si
612	5X/2Y Ø8/10	378	-135811	SLU 49	15366	51792	52691	2.35	136.88	-1923	-136090	SLU 51	15029	48385	55356	2.5	25.16	Si
641	5X/2Y Ø8/10	378	-135642	SLU 49	15366	51792	52691	2.35	136.88	-1923	-135920	SLU 51	15029	48385	55356	2.5	25.16	Si
670	5X/2Y Ø8/10	378	-135472	SLU 49	15366	51792	52691	2.35	136.88	-1923	-135751	SLU 51	15029	48385	55356	2.5	25.16	Si
690	5X/2Y Ø8/10	-385	-75470	SLU 39	15366	51792	52309	2.35	134.41	-982	-89684	SLU 47	15029	48385	55356	2.5	49.25	Si
719	5X/2Y Ø8/10	-385	-75303	SLU 39	15366	51792	52286	2.35	134.41	-982	-89518	SLU 47	15029	48385	55356	2.5	49.25	Si
748	5X/2Y Ø8/10	-385	-75134	SLU 39	15366	51792	52263	2.35	134.41	-982	-89348	SLU 47	15029	48385	55356	2.5	49.25	Si
777	5X/2Y Ø8/14.4	-385	-74964	SLU 39	15366	38145	49998	2.5	98.99	-982	-89178	SLU 47	15029	33497	55356	2.5	34.1	Si
806	5X/2Y Ø8/14.4	-385	-74795	SLU 39	15366	38145	49976	2.5	98.99	-982	-89009	SLU 47	15029	33497	55356	2.5	34.1	Si
835	5X/2Y Ø8/14.4	-385	-74625	SLU 39	15366	38145	49955	2.5	98.99	-982	-88839	SLU 47	15029	33497	55356	2.5	34.1	Si
864	5X/2Y Ø8/14.4	-385	-74455	SLU 39	15366	38145	49933	2.5	98.99	-982	-88670	SLU 47	15029	33497	55356	2.5	34.1	Si
893	5X/2Y Ø8/14.4	-385	-74286	SLU 39	15366	38145	49911	2.5	98.99	-982	-88500	SLU 47	15029	33497	55356	2.5	34.1	Si
922	5X/2Y Ø8/10	-385	-74116	SLU 39	15366	51792	52126	2.35	134.41	-982	-88330	SLU 47	15029	48385	55356	2.5	49.25	Si
951	5X/2Y Ø8/10	-385	-73946	SLU 39	15366	51792	52103	2.35	134.41	-982	-88161	SLU 47	15029	48385	55356	2.5	49.25	Si
980	5X/2Y Ø8/10	-385	-73780	SLU 39	15366	51792	52081	2.35	134.41	-982	-87994	SLU 47	15029	48385	55356	2.5	49.25	Si
1000	4X/2Y Ø8/10	-267	-47521	SLU 38	12222	41434	41522	2.35	155	-2250	-58996	SLU 51	12600	39534	44362	2.5	17.57	Si
1029	4X/2Y Ø8/10	-267	-47380	SLU 38	12204	41434	41503	2.35	155	-2250	-58854	SLU 51	12600	39534	44342	2.5	17.57	Si
1058	4X/2Y Ø8/10	-267	-47238	SLU 38	12187	41434	41484	2.35	155	-2250	-58713	SLU 51	12600	39534	44323	2.5	17.57	Si
1087	4X/2Y Ø8/14.4	-267	-47097	SLU 38	12169	30516	39685	2.5	114.16	-2250	-58572	SLU 51	12600	27370	44303	2.5	12.17	Si
1116	4X/2Y Ø8/14.4	-267	-46956	SLU 38	12151	30516	39667	2.5	114.16	-2250	-58430	SLU 51	12600	27370	44284	2.5	12.17	Si
1145	4X/2Y Ø8/14.4	-267	-46814	SLU 38	12134	30516	39649	2.5	114.16	-2250	-58289	SLU 51	12600	27370	44264	2.5	12.17	Si
1174	4X/2Y Ø8/14.4	-267	-46673	SLU 38	12116	30516	39631	2.5	114.16	-2250	-58148	SLU 51	12600	27370	44244	2.5	12.17	Si
1203	4X/2Y Ø8/14.4	-267	-46532	SLU 38	12099	30516	39612	2.5	114.16	-2250	-58006	SLU 51	12600	27370	44225	2.5	12.17	Si
1232	4X/2Y Ø8/10	-267	-46390	SLU 38	12081	40552	41986	2.3	151.7	-2250	-57865	SLU 51	12600	39534	44205	2.5	17.57	Si
1261	4X/2Y Ø8/10	-267	-46249	SLU 38	12063	40552	41967	2.3	151.7	-2250	-57723	SLU 51	12600	39534	44186	2.5	17.57	Si
1290	4X/2Y Ø8/10	-267	-46108	SLU 38	12046	40552	41948	2.3	151.7	-2250	-57582	SLU 51	12600	39534	44166	2.5	17.57	Si
1310	4X/2Y Ø8/10	757	-21127	SLU 40	8936	38789	39701	2.2	51.23	-1925	-26385	SLU 51	9140	39534	39842	2.5	20.54	Si
1339	4X/2Y Ø8/10	757	-20988	SLU 40	8918	38789	39681	2.2	51.23	-1925	-26246	SLU 51	9122	39534	39822	2.5	20.54	Si
1368	4X/2Y Ø8/10	757	-20847	SLU 40	8901	38789	39661	2.2	51.23	-1925	-26105	SLU 51	9103	39534	39803	2.5	20.54	Si
1397	4X/2Y Ø8/14.4	757	-20706	SLU 40	8883	30516	36286	2.5	40.31	-1925	-25964	SLU 51	9084	27370	39783	2.5	14.22	Si
1426	4X/2Y Ø8/14.4	757	-20564	SLU 40	8866	30516	36268	2.5	40.31	-1925	-25822	SLU 51	9065	27370	39763	2.5	14.22	Si
1455	4X/2Y Ø8/14.4	757	-20423	SLU 40	8848	30516	36250	2.5	40.31	-1925	-25681	SLU 51	9046	27370	39744	2.5	14.22	Si
1484	4X/2Y Ø8/14.4	757	-20282	SLU 40	8830	30516	36232	2.5	40.31	-1925	-25540	SLU 51	9027	27370	39724	2.5	14.22	Si
1513	4X/2Y Ø8/14.4	757	-20140	SLU 40	8813	30516	36213	2.5	40.31	-1925	-25398	SLU 51	9008	27370	39705	2.5	14.22	Si
1542	4X/2Y Ø8/10	757	-19999	SLU 40	8795	38789	39542	2.2	51.23	-1925	-25257	SLU 51	8989	39534	39685	2.5	20.54	Si
1571	4X/2Y Ø8/10	757	-19857	SLU 40	8778	38789	39522	2.2	51.23	-1925	-25115	SLU 51	8970	39534	39666	2.5	20.54	Si
1600	4X/2Y Ø8/10	757	-19716	SLU 40	8760	38789	39502	2.2	51.23	-1925	-24974	SLU 51	8951	39534	39646	2.5	20.54	Si
1620	4X/2Y Ø8/10	1941	-11702	SLU 51	7762	37907	38953	2.15	19.53	-1879	-11687	SLU 52	7171	37953	38922	2.4	20.2	Si
1649	4X/2Y Ø8/10	1941	-11563	SLU 51	7745	37907	38933	2.15	19.53	-1879	-11548	SLU 52	7152	37953	38903	2.4	20.2	Si
1678	4X/2Y Ø8/10	1941	-11422	SLU 51	7727	37907	38913	2.15	19.53	-1879	-11406	SLU 52	7133	37953	38882	2.4	20.2	Si
1707	4X/2Y Ø8/14.4	1941	-11280	SLU 51	7710	30516	35072	2.5	15.72	-1879	-11265	SLU 52	7114	27370	37746	2.5	14.57	Si
1736	4X/2Y Ø8/14.4	1941	-11139	SLU 51	7692	30516	35054	2.5	15.72	-1879	-11124	SLU 52	7095	27370	37726	2.5	14.57	Si
1765	4X/2Y Ø8/14.4	1941	-10998	SLU 51	7675	30516	35036	2.5	15.72	-1879	-10982	SLU 52	7076	27370	37706	2.5	14.57	Si
1794	4X/2Y Ø8/14.4	1941	-10856	SLU 51	7657	30516	35018	2.5	15.72	-1879	-10841	SLU 52	7057	27370	37687	2.5	14.57	Si
1823	4X/2Y Ø8/14.4	1941	-10715	SLU 51	7639	30516	35000	2.5	15.72	-1879	-10699	SLU 52	7038	27370	37667	2.5	14.57	Si
1852	4X/2Y Ø8/10	1941	-10573	SLU 51	7622	37907	38792	2.15	19.53	-1879	-10558	SLU 52	7019	37953	38761	2.4	20.2	Si
1881	4X/2Y Ø8/10	1941	-10432	SLU 51	7604	37907	38772	2.15	19.53	-1879	-10417	SLU 52	7000	37953	38741	2.4	20.2	Si
1910	4X/2Y Ø8/10	1941	-10291	SLU 51	7587	37907	38752	2.15	19.53	-1879	-10275	SLU 52	6982	37953	38721	2.4	20.2	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	1605	-94428	SLV 15	15366	51792	52691	2.35	32.27	-3318	-113326	SLV 5	15029	48385	55356	2.5	14.58	Si
-111	5X/2Y Ø8/10	1605	-94297	SLV 15	15366	51792	52691	2.35	32.27	-3318	-113196	SLV 5	15029	48385	55356	2.5	14.58	Si
-81	5X/2Y Ø8/10	1605	-94165	SLV 15	15366	51792	52691	2.35	32.27	-3318	-113064	SLV 5	15029	48385	55356	2.5	14.58	Si
-52	5X/2Y Ø8/10	1605	-94033	SLV 15	15366	51792	52691	2.35	32.27	-3318	-112932	SLV 5	15029	48385	55356	2.5	14.58	Si
-22	5X/2Y Ø8/15	1605	-93900	SLV 15	15366	36732	50429	2.5	22.89	-3318	-112799	SLV 5	15029	32257	55356	2.5	9.72	Si
7	5X/2Y Ø8/15	1605	-93768	SLV 15	15366	36732	50429	2.5	22.89	-3318	-112667	SLV 5	15029	32257	55356	2.5	9.72	Si
36	5X/2Y Ø8/15	1605	-93636	SLV 15	15366	36732	50429	2.5	22.89	-3318	-112534	SLV 5	15029	32257	55356	2.5	9.72	Si
66	5X/2Y Ø8/15	1605	-93503	SLV 15	15366	36732	50429	2.5	22.89	-3318	-112402	SLV 5	15029	32257	55356	2.5	9.72	Si
95	5X/2Y Ø8/15	1605	-93371	SLV 15	15366	36732	50429	2.5	22.89	-3318	-112270	SLV 5	15029	32257	55356	2.5	9.72	Si
125	5X/2Y Ø8/15	1605	-93237	SLV 15	15366	36732	50429	2.5	22.89	-3318	-112136	SLV 5	15029	32257	55356	2.5	9.72	Si
154	5X/2Y Ø8/15	1605	-93106	SLV 15	15366	36732	50429	2.5	22.89	-3318	-112005	SLV 5	15029	32257	55356	2.5	9.72	Si
184	5X/2Y Ø8/15	1605	-92974	SLV 15	15366	36732	50429	2.5	22.89	-3318	-111873	SLV 5	15029	32257	55356	2.5	9.72	Si
213	5X/2Y Ø8/15	1605	-92844	SLV 15	15366	36732	50429	2.5	22.89	-3318	-111742	SLV 5	15029	32257	55356	2.5	9.72	Si
242	5X/2Y Ø8/10	1605	-92709	SLV 15	15366	51792	52691	2.35	32.27	-3318	-111608	SLV 5	15029	48385	55356	2.5	14.58	Si
272	5X/2Y Ø8/10	1605	-92577	SLV 15	15366	51792	52691	2.35	32.27	-3318	-111476	SLV 5	15029	48385	55356	2.5	14.58	Si
301	5X/2Y Ø8/10	1605	-92445	SLV 15	15366	51792	52691	2.35	32.27	-3318	-111343	SLV 5	15029	48385	55356	2.5	14.58	Si
331	5X/2Y Ø8/10	1605	-92312	SLV 15	15366	51792	52691	2.35	32.27	-3318	-111211	SLV 5	15029	48385	55356	2.5	14.58	Si
360	5X/2Y Ø8/10	1605	-92182	SLV 15	15366	51792	52691	2.35	32.27	-3318	-111081	SLV 5	15029	48385	55356	2.5	14.58	Si
380	5X/2Y Ø8/10	2320	-85556	SLV 15	15366	51792	52691	2.35	22.32	-2685	-90560	SLV 5	15029	48385	55356	2.5	18.02	Si
409	5X/2Y Ø8/10	2320	-85425	SLV 15	15366	51792	52691	2.35	22.32	-2685	-90429	SLV 5	15029	48385	55356	2.5	18.02	Si
438	5X/2Y Ø8/10	2320	-85295	SLV 15	15366	51792	52691	2.35	22.32	-2685	-90299	SLV 5	15029	48385	55356	2.5	18.02	Si
467	5X/2Y Ø8/14.4	2320	-85164	SLV 15	15366	38145	50429	2.5	16.44	-2685	-90168	SLV 5	15029	33497	55356	2.5	12.48	Si
496	5X/2Y Ø8/14.4	2320	-85034	SLV 15	15366	38145	50429	2.5	16.44	-2685	-90038	SLV 5	15029	33497	55356	2.5	12.48	Si
525	5X/2Y Ø8/14.4	2320	-84903	SLV 15	15366	38145	50429	2.5	16.44	-2685	-89907	SLV 5	15029	33497	55356	2.5	12.48	Si
554	5X/2Y Ø8/14.4	2320	-84773	SLV 15	15366	38145	50429	2.5	16.44	-2685	-89777	SLV 5	15029	33497	55356	2.5	12.48	Si
583	5X/2Y Ø8/14.4	2320	-84642	SLV 15	15366	38145	50429	2.5	16.44	-2685	-89646	SLV 5	15029	33497	55356	2.5	12.48	Si
612	5X/2Y Ø8/10	2320	-84512	SLV 15	15366	51792	52691	2.35	22.32	-2685	-89516	SLV 5	15029	48385	55356	2.5	18.02	Si
641	5X/2Y Ø8/10	2320	-84381	SLV 15	15366	51792	52691	2.35	22.32	-2685	-89385	SLV 5	15029	48385	55356	2.5	18.02	Si
670	5X/2Y Ø8/10	2320	-84251	SLV 15	15366	51792	52691	2.35	22.32	-2685	-89255	SLV 5	15029	48385	55356	2.5	18.02	Si
690	5X/2Y Ø8/10	-2229	-56916	SLV 1	14652	49588	51311	2.25	22.24	-2746	-62907	SLV 5	15029	48385	53179	2.5	17.62	Si
719	5X/2Y Ø8/10	-2229	-56788	SLV 1	14637	49588	51293	2.25	22.24	-2746	-62779	SLV 5	15029	48385	53161	2.5	17.62	Si
748	5X/2Y Ø8/10	-2229	-56657	SLV 1	14620	49588	51275	2.25	22.24	-2746	-62649	SLV 5	15029	48385	53142	2.5	17.62	Si
777	5X/2Y Ø8/14.4	-2229	-56527	SLV 1	14604	38145	47624	2.5	17.11	-2746	-62518	SLV 5	15011	33497	53124	2.5	12.2	Si
806	5X/2Y Ø8/14.4	-2229	-56396	SLV 1	14588	38145	47607	2.5	17.11	-2746	-62388	SLV 5	14993	33497	53105	2.5	12.2	Si
835	5X/2Y Ø8/14.4	-2229	-56266	SLV 1	14572	38145	47590	2.5	17.11	-2746	-62257	SLV 5	14975	33497	53087	2.5	12.2	Si
864	5X/2Y Ø8/14.4	-2229	-56135	SLV 1	14555	38145	47573	2.5	17.11	-2746	-62127	SLV 5	14957	33497	53068	2.5	12.2	Si
893	5X/2Y Ø8/14.4	-2229	-56005	SLV 1	14539	38145	47556	2.5	17.11	-2746	-61996	SLV 5	14940	33497	53050	2.5	12.2	Si
922	5X/2Y Ø8/10	-2229	-55874	SLV 1	14523	49588	51166	2.25	22.24	-2746	-61866	SLV 5	14922	48385	53032	2.5	17.62	Si
951	5X/2Y Ø8/10	-2229	-55744	SLV 1	14507	49588	51148	2.25	22.24	-2746	-61735	SLV 5	14904	48385	53013	2.5	17.62	Si
980	5X/2Y Ø8/10	-2229	-55615	SLV 1	14491	49588	51130	2.25	22.24	-2746	-61607	SLV 5	14886	48385	52995	2.5	17.62	Si
1000	4X/2Y Ø8/10	-1742	-34862	SLV 1	10646	39671	41017	2.25	22.77	-2728	-39122	SLV 5	10847	39534	41607	2.5	14.49	Si
1029	4X/2Y Ø8/10	-1742	-34753	SLV 1	10632	39671	41002	2.25	22.77	-2728	-39013	SLV 5	10832	39534	41592	2.5	14.49	Si
1058	4X/2Y Ø8/10	-1742	-34644	SLV 1	10619	39671	40987	2.25	22.77	-2728	-38905	SLV 5	10818	39534	41577	2.5	14.49	Si
1087	4X/2Y Ø8/14.4	-1742	-34536	SLV 1	10605	30516	38067	2.5	17.51	-2728	-38796	SLV 5	10803	27370	41562	2.5	10.03	Si
1116	4X/2Y Ø8/14.4	-1742	-34427	SLV 1	10592	30516	38053	2.5	17.51	-2728	-38687	SLV 5	10789	27370	41547	2.5	10.03	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1145	4X/2Y Ø8/14.4	-1742	-34318	SLV 1	10578	30516	38039	2.5	17.51	-2728	-38578	SLV 5	10774	27370	41532	2.5	10.03	Si
1174	4X/2Y Ø8/14.4	-1742	-34209	SLV 1	10564	30516	38025	2.5	17.51	-2728	-38470	SLV 5	10759	27370	41517	2.5	10.03	Si
1203	4X/2Y Ø8/14.4	-1742	-34101	SLV 1	10551	30516	38011	2.5	17.51	-2728	-38361	SLV 5	10745	27370	41502	2.5	10.03	Si
1232	4X/2Y Ø8/10	-1742	-33992	SLV 1	10537	39671	40896	2.25	22.77	-2728	-38252	SLV 5	10730	39534	41486	2.5	14.49	Si
1261	4X/2Y Ø8/10	-1742	-33883	SLV 1	10524	39671	40881	2.25	22.77	-2728	-38143	SLV 5	10716	39534	41471	2.5	14.49	Si
1290	4X/2Y Ø8/10	-1742	-33774	SLV 1	10510	39671	40866	2.25	22.77	-2728	-38035	SLV 5	10701	39534	41456	2.5	14.49	Si
1310	4X/2Y Ø8/10	1616	-17253	SLV 15	8453	38789	39156	2.2	24.01	-2116	-18294	SLV 5	8056	38743	39287	2.45	18.31	Si
1339	4X/2Y Ø8/10	1616	-17147	SLV 15	8440	38789	39141	2.2	24.01	-2116	-18188	SLV 5	8042	38743	39272	2.45	18.31	Si
1368	4X/2Y Ø8/10	1616	-17038	SLV 15	8427	38789	39125	2.2	24.01	-2116	-18079	SLV 5	8027	38743	39256	2.45	18.31	Si
1397	4X/2Y Ø8/14.4	1616	-16929	SLV 15	8413	30516	35800	2.5	18.89	-2116	-17970	SLV 5	8013	27370	38675	2.5	12.93	Si
1426	4X/2Y Ø8/14.4	1616	-16820	SLV 15	8400	30516	35786	2.5	18.89	-2116	-17861	SLV 5	7998	27370	38660	2.5	12.93	Si
1455	4X/2Y Ø8/14.4	1616	-16712	SLV 15	8386	30516	35772	2.5	18.89	-2116	-17753	SLV 5	7983	27370	38645	2.5	12.93	Si
1484	4X/2Y Ø8/14.4	1616	-16603	SLV 15	8372	30516	35758	2.5	18.89	-2116	-17644	SLV 5	7969	27370	38630	2.5	12.93	Si
1513	4X/2Y Ø8/14.4	1616	-16494	SLV 15	8359	30516	35744	2.5	18.89	-2116	-17535	SLV 5	7954	27370	38615	2.5	12.93	Si
1542	4X/2Y Ø8/10	1616	-16385	SLV 15	8345	38789	39034	2.2	24.01	-2116	-17426	SLV 5	7940	38743	39165	2.45	18.31	Si
1571	4X/2Y Ø8/10	1616	-16277	SLV 15	8332	38789	39018	2.2	24.01	-2116	-17318	SLV 5	7925	38743	39149	2.45	18.31	Si
1600	4X/2Y Ø8/10	1616	-16168	SLV 15	8318	38789	39003	2.2	24.01	-2116	-17209	SLV 5	7911	38743	39134	2.45	18.31	Si
1620	4X/2Y Ø8/10	1996	-7409	SLV 15	7228	37907	38340	2.15	18.99	-3318	-8760	SLV 9	6778	37953	38505	2.4	11.44	Si
1649	4X/2Y Ø8/10	1996	-7303	SLV 15	7215	37907	38325	2.15	18.99	-3318	-8653	SLV 9	6764	37953	38490	2.4	11.44	Si
1678	4X/2Y Ø8/10	1996	-7194	SLV 15	7201	37907	38309	2.15	18.99	-3318	-8544	SLV 9	6750	37953	38474	2.4	11.44	Si
1707	4X/2Y Ø8/14.4	1996	-7085	SLV 15	7187	30516	34532	2.5	15.29	-3318	-8436	SLV 9	6735	27370	37353	2.5	8.25	Si
1736	4X/2Y Ø8/14.4	1996	-6976	SLV 15	7174	30516	34518	2.5	15.29	-3318	-8327	SLV 9	6720	27370	37338	2.5	8.25	Si
1765	4X/2Y Ø8/14.4	1996	-6868	SLV 15	7160	30516	34504	2.5	15.29	-3318	-8218	SLV 9	6706	27370	37323	2.5	8.25	Si
1794	4X/2Y Ø8/14.4	1996	-6759	SLV 15	7147	30516	34490	2.5	15.29	-3318	-8109	SLV 9	6691	27370	37308	2.5	8.25	Si
1823	4X/2Y Ø8/14.4	1996	-6650	SLV 15	7133	30516	34476	2.5	15.29	-3318	-8001	SLV 9	6677	27370	37293	2.5	8.25	Si
1852	4X/2Y Ø8/10	1996	-6541	SLV 15	7120	37907	38216	2.15	18.99	-3318	-7892	SLV 9	6662	37953	38381	2.4	11.44	Si
1881	4X/2Y Ø8/10	1996	-6433	SLV 15	7106	37907	38201	2.15	18.99	-3318	-7783	SLV 9	6648	37953	38365	2.4	11.44	Si
1910	4X/2Y Ø8/10	1996	-6324	SLV 15	7093	37907	38185	2.15	18.99	-3318	-7674	SLV 9	6633	37953	38350	2.4	11.44	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	777	-99115	SLD 15	19266	55098	50429	2.5	64.92	-1702	-106537	SLD 5	19310	48385	55356	2.5	28.43	Si
-111	5X/2Y Ø8/10	777	-98985	SLD 15	19266	55098	50429	2.5	64.92	-1702	-106407	SLD 5	19310	48385	55356	2.5	28.43	Si
-81	5X/2Y Ø8/10	777	-98853	SLD 15	19266	55098	50429	2.5	64.92	-1702	-106274	SLD 5	19310	48385	55356	2.5	28.43	Si
-52	5X/2Y Ø8/10	777	-98720	SLD 15	19266	55098	50429	2.5	64.92	-1702	-106142	SLD 5	19310	48385	55356	2.5	28.43	Si
-22	5X/2Y Ø8/15	777	-98588	SLD 15	19266	36732	50429	2.5	47.29	-1702	-106010	SLD 5	19310	32257	55356	2.5	18.95	Si
7	5X/2Y Ø8/15	777	-98456	SLD 15	19266	36732	50429	2.5	47.29	-1702	-105877	SLD 5	19310	32257	55356	2.5	18.95	Si
36	5X/2Y Ø8/15	777	-98323	SLD 15	19266	36732	50429	2.5	47.29	-1702	-105745	SLD 5	19310	32257	55356	2.5	18.95	Si
66	5X/2Y Ø8/15	777	-98191	SLD 15	19266	36732	50429	2.5	47.29	-1702	-105613	SLD 5	19310	32257	55356	2.5	18.95	Si
95	5X/2Y Ø8/15	777	-98059	SLD 15	19266	36732	50429	2.5	47.29	-1702	-105480	SLD 5	19310	32257	55356	2.5	18.95	Si
125	5X/2Y Ø8/15	777	-97925	SLD 15	19266	36732	50429	2.5	47.29	-1702	-105347	SLD 5	19310	32257	55356	2.5	18.95	Si
154	5X/2Y Ø8/15	777	-97794	SLD 15	19266	36732	50429	2.5	47.29	-1702	-105215	SLD 5	19310	32257	55356	2.5	18.95	Si
184	5X/2Y Ø8/15	777	-97662	SLD 15	19266	36732	50429	2.5	47.29	-1702	-105083	SLD 5	19310	32257	55356	2.5	18.95	Si
213	5X/2Y Ø8/15	777	-97531	SLD 15	19266	36732	50429	2.5	47.29	-1702	-104953	SLD 5	19310	32257	55356	2.5	18.95	Si
242	5X/2Y Ø8/10	777	-97397	SLD 15	19266	55098	50429	2.5	64.92	-1702	-104818	SLD 5	19310	48385	55356	2.5	28.43	Si
272	5X/2Y Ø8/10	777	-97264	SLD 15	19266	55098	50429	2.5	64.92	-1702	-104686	SLD 5	19310	48385	55356	2.5	28.43	Si
301	5X/2Y Ø8/10	777	-97132	SLD 15	19266	55098	50429	2.5	64.92	-1702	-104554	SLD 5	19310	48385	55356	2.5	28.43	Si
331	5X/2Y Ø8/10	777	-97000	SLD 15	19266	55098	50429	2.5	64.92	-1702	-104421	SLD 5	19310	48385	55356	2.5	28.43	Si
360	5X/2Y Ø8/10	777	-96870	SLD 15	19266	55098	50429	2.5	64.92	-1702	-104291	SLD 5	19310	48385	55356	2.5	28.43	Si
380	5X/2Y Ø8/10	1047	-84661	SLD 15	18107	55098	50429	2.5	48.16	-1793	-86603	SLD 5	18303	48385	55356	2.5	26.99	Si
409	5X/2Y Ø8/10	1047	-84530	SLD 15	18090	55098	50429	2.5	48.16	-1793	-86473	SLD 5	18285	48385	55356	2.5	26.99	Si
438	5X/2Y Ø8/10	1047	-84400	SLD 15	18074	55098	50429	2.5	48.16	-1793	-86342	SLD 5	18267	48385	55356	2.5	26.99	Si
467	5X/2Y Ø8/14.4	1047	-84269	SLD 15	18058	38145	50429	2.5	36.43	-1793	-86212	SLD 5	18249	33497	55356	2.5	18.69	Si
496	5X/2Y Ø8/14.4	1047	-84139	SLD 15	18042	38145	50429	2.5	36.43	-1793	-86081	SLD 5	18231	33497	55356	2.5	18.69	Si
525	5X/2Y Ø8/14.4	1047	-84008	SLD 15	18025	38145	50429	2.5	36.43	-1793	-85951	SLD 5	18213	33497	55356	2.5	18.69	Si
554	5X/2Y Ø8/14.4	1047	-83878	SLD 15	18009	38145	50429	2.5	36.43	-1793	-85820	SLD 5	18196	33497	55356	2.5	18.69	Si
583	5X/2Y Ø8/14.4	1047	-83747	SLD 15	17993	38145	50429	2.5	36.43	-1793	-85690	SLD 5	18178	33497	55356	2.5	18.69	Si
612	5X/2Y Ø8/10	1047	-83617	SLD 15	17977	55098	50429	2.5	48.16	-1793	-85559	SLD 5	18160	48385	55356	2.5	26.99	Si
641	5X/2Y Ø8/10	1047	-83486	SLD 15	17960	55098	50429	2.5	48.16	-1793	-85429	SLD 5	18142	48385	55356	2.5	26.99	Si
670	5X/2Y Ø8/10	1047	-83356	SLD 15	17944	55098	50429	2.5	48.16	-1793	-85298	SLD 5	18124	48385	55356	2.5	26.99	Si
690	5X/2Y Ø8/10	-973	-57598	SLD 1	14737	55098	47762	2.5	49.1	-1479	-60003	SLD 5	14667	48385	52768	2.5	32.72	Si
719	5X/2Y Ø8/10	-973	-57469	SLD 1	14721	55098	47745	2.5	49.08	-1479	-59875	SLD 5	14650	48385	52750	2.5	32.72	Si
748	5X/2Y Ø8/10	-973	-57339	SLD 1	14705	55098	47728	2.5	49.06	-1479	-59744	SLD 5	14632	48385	52732	2.5	32.72	Si
777	5X/2Y Ø8/14.4	-973	-57208	SLD 1	14689	38145	47711	2.5	39.21	-1479	-59614	SLD 5	14614	33497	52713	2.5	22.65	Si
806	5X/2Y Ø8/14.4	-973	-57078	SLD 1	14673	38145	47695	2.5	39.21	-1479	-59483	SLD 5	14596	33497	52695	2.5	22.65	Si
835	5X/2Y Ø8/14.4	-973	-56947	SLD 1	14656	38145	47678	2.5	39.21	-1479	-59353	SLD 5	14578	33497	52676	2.5	22.65	Si
864	5X/2Y Ø8/14.4	-973	-56817	SLD 1	14640	38145	47661	2.5	39.21	-1479	-59222	SLD 5	14561	33497	52658	2.5	22.65	Si
893	5X/2Y Ø8/14.4	-973	-56686	SLD 1	14624	38145	47644	2.5	39.21	-1479	-59092	SLD 5	14543	33497	52639	2.5	22.65	Si
922	5X/2Y Ø8/10	-973	-56556	SLD 1	14608	55098	47627	2.5	48.96	-1479	-58961	SLD 5	14525	48385	52621	2.5	32.72	Si
951	5X/2Y Ø8/10	-973	-56425	SLD 1	14591	55098	47611	2.5	48.94	-1479	-58831	SLD 5	14507	48385	52602	2.5	32.72	Si
980	5X/2Y Ø8/10	-973	-56297	SLD 1	14575	55098	47594	2.5	48.92	-1479	-58703	SLD 5	14490	48385	52584	2.5	32.72	Si
1000	4X/2Y Ø8/10	-712	-35408	SLD 1	10714	44078	38180	2.5	53.62	-1888	-37162	SLD 5	10584	39534	41335	2.5	20.94	Si
1029	4X/2Y Ø8/10	-712	-35299	SLD 1	10700	44078	38166	2.5	53.6	-1888	-37053	SLD 5	10570	39534	41320	2.5	20.94	Si
1058	4X/2Y Ø8/10	-712	-35190	SLD 1	10687	44078	38152	2.5	53.58	-1888	-36945	SLD 5	10555	39534	41305	2.5	20.94	Si
1087	4X/2Y Ø8/14.4	-712	-35082	SLD 1	10673	30516	38138	2.5	42.86	-1888	-36836	SLD 5	10541	27370	41290	2.5	14.5	Si
1116	4X/2Y Ø8/14.4	-712	-34973	SLD 1	10659	30516	38124	2.5	42.86	-1888	-36727	SLD 5	10526	27370	41275	2.5	14.5	Si
1145	4X/2Y Ø8/14.4	-712	-34864	SLD 1	10646	30516	38110	2.5	42.86	-1888	-36618	SLD 5	10511	27370	41260	2.5	14.5	Si
1174	4X/2Y Ø8/14.4	-712	-34755	SLD 1	10632	30516	38096	2.5	42.86	-1888	-36510	SLD 5	10497	27370	41245	2.5	14.5	Si
1203	4X/2Y Ø8/14.4	-712	-34647	SLD 1	10619	30516	38082	2.5	42.86	-1888	-36401	SLD 5	10482	27370	41230	2.5	14.5	Si
1232	4X/2Y Ø8/10	-712	-34538	SLD 1	10605	44078	38068	2.5	53.46	-1888	-36292	SLD 5	10468	39534	41215	2.5	20.94	Si
1261	4X/2Y Ø8/10	-712	-34429	SLD 1	10592	44078	38054	2.5	53.44	-1888	-36183	SLD 5	10453	39534	41200	2.5	20.94	Si
1290	4X/2Y Ø8/10	-712	-34320	SLD 1	10578	44078	38040	2.5	53.42	-1888	-36075	SLD 5	10439	39534	41185	2.5	20.94	Si
1310	4X/2Y Ø8/10	962	-16680	SLD 15	8382	44078	35768	2.5	37.18	-1565	-17093	SLD 5	7895	39534	38553	2.5	24.63	Si
1339	4X/2Y Ø8/10	962	-16573	SLD 15	8369	44078	35754	2.5	37.17	-1565	-16986	SLD 5	7881	39534	38539	2.5	24.62	Si
1368	4X/2Y Ø8/10	962	-16464	SLD 15	8355	44078	35740	2.5	37.15	-1565	-16878	SLD 5	7866	39534	38524	2.5	24.61	Si
1397	4X/2Y Ø8/14.4	962	-16356	SLD 15	8342	30516	35726	2.5	31.72	-1565	-16769	SLD 5	7852	27370	38509	2.5	17.49	Si
1426	4X/2Y Ø8/14.4	962	-16247	SLD 15	8328	30516	35712	2.5	31.72	-1565	-16660	SLD 5	7837	27370	38493	2.5	17.49	Si
1455	4X/2Y Ø8/14.4	962	-16138	SLD 15	8315	30516	35698	2.5	31.72	-1565	-16551	SLD 5	7822	27370	38478	2.5	17.49	Si
1484	4X/2Y Ø8/14.4	962	-16029	SLD 15	8301	30516	35684	2.5	31.72	-1565	-16443	SLD 5	7808	27370	38463	2.5	17.49	Si
1513	4X/2Y Ø8/14.4	962	-15921	SLD 15	8287	30516	35670	2.5	31.72	-1565	-16334	SLD 5	7793	27370	38448	2.5	17.49	Si
1542	4X/2Y Ø8/10	962	-15812	SLD 15	8274	44078	35656	2.5	37.06	-1565	-16225	SLD 5	7779	39534	38433	2.5	24.56	Si
1571	4X/2Y Ø8/10	962	-15703	SLD 15	8260	44078	35642	2.5	37.05	-1565	-16116	SLD 5	7764	39534	38418	2.5	24.55	Si
1600	4X/2Y Ø8/10	962	-15594	SLD 15	8247	44078	35628	2.5	37.03	-1565	-16008	SLD 5	7750	39534	38403	2.5	24.54	Si
1620	4X/2Y Ø8/10	1489	-7073	SLD 15	7186	44078	34530	2.5	23.19	-2094	-7655	SLD 9	6630	39534	37245	2.5	17.79	Si
1649	4X/2Y Ø8/10	1489	-6966	SLD 15	7173	44078	34517	2.5	23.18	-2094	-7548	SLD 9	6616	39534	37230	2.5	17.78	Si
1678	4X/2Y Ø8/10	1489	-6857	SLD 15	7159	44078	34503	2.5	23.17	-2094	-7440	SLD 9	6602	39534	37215	2.5	17.77	Si
1707	4X/2Y Ø8/14.4	1489	-6749	SLD 15	7146	30516	34489	2.5	20.49	-2094	-7331	SLD 9	6587	27370	37200	2.5	13.07	Si
1736	4X/2Y Ø8/14.4	1489	-6640	SLD 15	7132	30516	34475	2.5	20.49	-2094	-7222	SLD 9	6572	27370	37185	2.5	13.07	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1765	4X/2Y Ø8/14.4	1489	-6531	SLD 15	7119	30516	34461	2.5	20.49	-2094	-7113	SLD 9	6558	27370	37170	2.5	13.07	Si
1794	4X/2Y Ø8/14.4	1489	-6422	SLD 15	7105	30516	34447	2.5	20.49	-2094	-7005	SLD 9	6543	27370	37155	2.5	13.07	Si
1823	4X/2Y Ø8/14.4	1489	-6314	SLD 15	7091	30516	34433	2.5	20.49	-2094	-6896	SLD 9	6529	27370	37140	2.5	13.07	Si
1852	4X/2Y Ø8/10	1489	-6205	SLD 15	7078	44078	34419	2.5	23.11	-2094	-6787	SLD 9	6514	39534	37125	2.5	17.73	Si
1881	4X/2Y Ø8/10	1489	-6096	SLD 15	7064	44078	34405	2.5	23.1	-2094	-6678	SLD 9	6500	39534	37110	2.5	17.72	Si
1910	4X/2Y Ø8/10	1489	-5987	SLD 15	7051	44078	34391	2.5	23.09	-2094	-6570	SLD 9	6485	39534	37095	2.5	17.71	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	239497	-99123	-116242	SLE RA 13	-75.7	239497	-99123	-116242	SLE RA 13	-1057.2	Si
-111	210923	-89334	-116112	SLE RA 13	-73.4	210923	-89334	-116112	SLE RA 13	-1030.9	Si
-81	181855	-79376	-115979	SLE RA 13	-71.1	181855	-79376	-115979	SLE RA 13	-1004.2	Si
-52	152787	-69418	-115847	SLE RA 13	-68.7	152787	-69418	-115847	SLE RA 13	-977.5	Si
-22	123719	-59460	-115714	SLE RA 13	-66.4	123719	-59460	-115714	SLE RA 13	-950.7	Si
7	94651	-49502	-115582	SLE RA 13	-64	94651	-49502	-115582	SLE RA 13	-924	Si
36	65583	-39544	-115450	SLE RA 13	-61.7	65583	-39544	-115450	SLE RA 13	-897.3	Si
66	36515	-29586	-115317	SLE RA 13	-59.3	36515	-29586	-115317	SLE RA 13	-870.6	Si
95	7447	-19628	-115185	SLE RA 13	-57	7447	-19628	-115185	SLE RA 13	-843.8	Si
125	-21911	-9571	-115051	SLE RA 13	-56.7	-21911	-9571	-115051	SLE RA 13	-842.4	Si
154	-50689	288	-114920	SLE RA 13	-57.1	-50689	288	-114920	SLE RA 13	-850.1	Si
184	-79757	10246	-114788	SLE RA 13	-59.3	-79757	10246	-114788	SLE RA 13	-874.9	Si
213	-108388	20054	-114658	SLE RA 13	-61.5	-108388	20054	-114658	SLE RA 13	-899.4	Si
242	-137892	30162	-114523	SLE RA 13	-63.8	-137892	30162	-114523	SLE RA 13	-924.6	Si
272	-166960	40120	-114391	SLE RA 13	-66	-166960	40120	-114391	SLE RA 13	-949.5	Si
301	-196028	50078	-114259	SLE RA 13	-68.2	-196028	50078	-114259	SLE RA 13	-974.3	Si
331	-225096	60036	-114126	SLE RA 13	-70.5	-225096	60036	-114126	SLE RA 13	-999.1	Si
360	-253670	69824	-113996	SLE RA 13	-72.6	-253670	69824	-113996	SLE RA 13	-1023.6	Si
380	290640	-32978	-96662	SLE RA 12	-62.8	290640	-32978	-96662	SLE RA 12	-888.9	Si
409	250897	-25534	-96532	SLE RA 12	-60.2	250897	-25534	-96532	SLE RA 12	-858.1	Si
438	211153	-18090	-96401	SLE RA 12	-57.5	211153	-18090	-96401	SLE RA 12	-827.4	Si
467	171409	-10645	-96271	SLE RA 12	-54.9	171409	-10645	-96271	SLE RA 12	-796.7	Si
496	131665	-3201	-96140	SLE RA 12	-52.3	131665	-3201	-96140	SLE RA 12	-765.9	Si
525	91921	4243	-96010	SLE RA 12	-50.4	91921	4243	-96010	SLE RA 12	-742.7	Si
554	52177	11688	-95879	SLE RA 12	-49.2	52177	11688	-95879	SLE RA 12	-725.1	Si
583	11497	22105	-95603	SLE RA 13	-48.1	11497	22105	-95603	SLE RA 13	-708.6	Si
612	-27311	26576	-95618	SLE RA 12	-49.2	-27311	26576	-95618	SLE RA 12	-721.9	Si
641	-67055	34021	-95488	SLE RA 12	-51.7	-67055	34021	-95488	SLE RA 12	-750.8	Si
670	-106799	41465	-95357	SLE RA 12	-54.2	-106799	41465	-95357	SLE RA 12	-779.7	Si
690	85000	11246	-66800	SLE RA 13	-36.8	85000	11246	-66800	SLE RA 13	-536.4	Si
719	64638	3709	-66672	SLE RA 13	-35.1	64638	3709	-66672	SLE RA 13	-516.9	Si
748	43919	-3959	-66541	SLE RA 13	-34.1	43919	-3959	-66541	SLE RA 13	-504.1	Si
777	23200	-11627	-66411	SLE RA 13	-33.8	23200	-11627	-66411	SLE RA 13	-497.8	Si
806	-3247	-19792	-66372	SLE RA 12	-33.5	-3247	-19792	-66372	SLE RA 12	-493.1	Si
835	-23998	-27266	-66241	SLE RA 12	-35.2	-23998	-27266	-66241	SLE RA 12	-510.9	Si
864	-44748	-34740	-66111	SLE RA 12	-36.8	-44748	-34740	-66111	SLE RA 12	-528.7	Si
893	-65498	-42214	-65980	SLE RA 12	-38.4	-65498	-42214	-65980	SLE RA 12	-546.5	Si
922	-86249	-49687	-65850	SLE RA 12	-40	-86249	-49687	-65850	SLE RA 12	-564.3	Si
951	-106999	-57161	-65719	SLE RA 12	-41.5	-106999	-57161	-65719	SLE RA 12	-581	Si
980	-127392	-64506	-65591	SLE RA 12	-40.8	-127392	-64506	-65591	SLE RA 12	-568.8	Si
1000	196827	45518	-41601	SLE RA 12	-41.1	196827	45518	-41601	SLE RA 12	-549.1	Si
1029	150598	41317	-41493	SLE RA 12	-38.2	150598	41317	-41493	SLE RA 12	-516.3	Si
1058	104368	37116	-41384	SLE RA 12	-35	104368	37116	-41384	SLE RA 12	-480.6	Si
1087	58139	32915	-41275	SLE RA 12	-31.3	58139	32915	-41275	SLE RA 12	-437.8	Si
1116	11909	28714	-41166	SLE RA 12	-27.6	11909	28714	-41166	SLE RA 12	-395	Si
1145	-34320	24512	-41058	SLE RA 12	-28.6	-34320	24512	-41058	SLE RA 12	-407.6	Si
1174	-80550	20311	-40949	SLE RA 12	-31.3	-80550	20311	-40949	SLE RA 12	-439.6	Si
1203	-126779	16110	-40840	SLE RA 12	-33.9	-126779	16110	-40840	SLE RA 12	-471.5	Si
1232	-173009	11909	-40731	SLE RA 12	-36.6	-173009	11909	-40731	SLE RA 12	-503.5	Si
1261	-219238	7708	-40623	SLE RA 12	-39.2	-219238	7708	-40623	SLE RA 12	-535.4	Si
1290	-265467	3506	-40514	SLE RA 12	-41.8	-265467	3506	-40514	SLE RA 12	-567.4	Si
1310	255622	-71084	-18715	SLE RA 12	-41.3	255622	-71084	-18715	SLE RA 12	-492.6	Si
1339	217004	-56433	-18608	SLE RA 12	-31.8	217004	-56433	-18608	SLE RA 12	-396.1	Si
1368	177709	-41526	-18499	SLE RA 12	-27.4	177709	-41526	-18499	SLE RA 12	-347.4	Si
1397	138414	-26618	-18390	SLE RA 12	-23	138414	-26618	-18390	SLE RA 12	-298.8	Si
1426	99119	-11710	-18282	SLE RA 12	-18.6	99119	-11710	-18282	SLE RA 12	-250.1	Si
1455	61054	4111	-18146	SLE RA 13	-15.1	61054	4111	-18146	SLE RA 13	-210.1	Si
1484	22357	18779	-18037	SLE RA 13	-14	22357	18779	-18037	SLE RA 13	-193.5	Si
1513	-18766	33014	-17955	SLE RA 12	-15.2	-18766	33014	-17955	SLE RA 12	-205.1	Si
1542	-58061	47922	-17847	SLE RA 12	-19.5	-58061	47922	-17847	SLE RA 12	-251.9	Si
1571	-97356	62830	-17738	SLE RA 12	-23.8	-97356	62830	-17738	SLE RA 12	-298.7	Si
1600	-136651	77738	-17629	SLE RA 12	-28.1	-136651	77738	-17629	SLE RA 12	-345.5	Si
1620	115120	-169495	-8368	SLE RA 13	-48.3	112751	-170797	-8379	SLE RA 12	705.6	Si
1649	76893	-130917	-8262	SLE RA 13	-34.7	74651	-131921	-8272	SLE RA 12	419.5	Si
1678	37994	-91662	-8153	SLE RA 13	-17.4	37994	-91662	-8153	SLE RA 13	-199	Si
1707	-2885	-52806	-8054	SLE RA 12	-10.7	-2885	-52806	-8054	SLE RA 12	-128.2	Si
1736	-41654	-13248	-7946	SLE RA 12	-8.9	-41654	-13248	-7946	SLE RA 12	-116.3	Si
1765	-80422	26310	-7837	SLE RA 12	-12.9	-80422	26310	-7837	SLE RA 12	-160.7	Si
1794	-119190	65868	-7728	SLE RA 12	-19.9	-119190	65868	-7728	SLE RA 12	-233.4	Si
1823	-157959	105425	-7619	SLE RA 12	-40.5	-157959	105425	-7619	SLE RA 12	528.5	Si
1852	-196727	144983	-7511	SLE RA 12	-55.1	-196727	144983	-7511	SLE RA 12	844.5	Si
1881	-235495	184541	-7402	SLE RA 12	-69.7	-235495	184541	-7402	SLE RA 12	1169.9	Si
1910	-274264	224099	-7293	SLE RA 12	-84.1	-274264	224099	-7293	SLE RA 12	1498.8	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	150208	-71265	-102158	SLE QP 2	-62.2	Si
-111	131400	-64322	-102028	SLE QP 2	-60.7	Si
-81	112267	-57258	-101896	SLE QP 2	-59	Si
-52	93133	-50194	-101764	SLE QP 2	-57.4	Si
-22	74000	-43130	-101631	SLE QP 2	-55.8	Si
7	54867	-36067	-101499	SLE QP 2	-54.2	Si
36	35733	-29003	-101366	SLE QP 2	-52.6	Si
66	16600	-21939	-101234	SLE QP 2	-51	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
95	-2533	-14876	-101102	SLE QP 2	-49.6	Si
125	-21858	-7741	-100968	SLE QP 2	-49.8	Si
154	-40800	-748	-100837	SLE QP 2	-50	Si
184	-59933	6316	-100705	SLE QP 2	-51.3	Si
213	-78779	13273	-100574	SLE QP 2	-52.8	Si
242	-98200	20443	-100440	SLE QP 2	-54.3	Si
272	-117333	27507	-100308	SLE QP 2	-55.8	Si
301	-136466	34570	-100175	SLE QP 2	-57.3	Si
331	-155600	41634	-100043	SLE QP 2	-58.8	Si
360	-174408	48578	-99913	SLE QP 2	-60.2	Si
380	255255	-28955	-84043	SLE QP 2	-54.7	Si
409	219885	-22239	-83913	SLE QP 2	-52.4	Si
438	184515	-15522	-83782	SLE QP 2	-50	Si
467	149145	-8806	-83652	SLE QP 2	-47.7	Si
496	113775	-2089	-83521	SLE QP 2	-45.3	Si
525	78405	4628	-83391	SLE QP 2	-43.8	Si
554	43035	11344	-83260	SLE QP 2	-42.7	Si
583	7665	18061	-83130	SLE QP 2	-41.6	Si
612	-27705	24777	-82999	SLE QP 2	-43.1	Si
641	-63075	31494	-82869	SLE QP 2	-45.3	Si
670	-98445	38211	-82738	SLE QP 2	-47.5	Si
690	74178	2155	-58097	SLE QP 2	-31.4	Si
719	55199	-2653	-57969	SLE QP 2	-30.4	Si
748	35888	-7546	-57838	SLE QP 2	-29.9	Si
777	16576	-12439	-57708	SLE QP 2	-29.4	Si
806	-2736	-17331	-57577	SLE QP 2	-29.1	Si
835	-22048	-22224	-57447	SLE QP 2	-30.4	Si
864	-41360	-27117	-57316	SLE QP 2	-31.7	Si
893	-60672	-32010	-57186	SLE QP 2	-33	Si
922	-79983	-36902	-57055	SLE QP 2	-34.3	Si
951	-99295	-41795	-56925	SLE QP 2	-35.5	Si
980	-118274	-46603	-56797	SLE QP 2	-34.9	Si
1000	168560	28797	-35838	SLE QP 2	-34.3	Si
1029	129530	27371	-35730	SLE QP 2	-32	Si
1058	90500	25945	-35621	SLE QP 2	-29.5	Si
1087	51470	24519	-35512	SLE QP 2	-26.6	Si
1116	12439	23093	-35403	SLE QP 2	-23.7	Si
1145	-26591	21667	-35295	SLE QP 2	-24.5	Si
1174	-65621	20241	-35186	SLE QP 2	-26.9	Si
1203	-104652	18815	-35077	SLE QP 2	-29.4	Si
1232	-143682	17388	-34968	SLE QP 2	-31.8	Si
1261	-182712	15962	-34860	SLE QP 2	-34.3	Si
1290	-221742	14536	-34751	SLE QP 2	-36.8	Si
1310	211727	-72889	-16234	SLE QP 2	-31.9	Si
1339	179152	-58025	-16127	SLE QP 2	-28	Si
1368	146005	-42900	-16018	SLE QP 2	-23.9	Si
1397	112859	-27774	-15909	SLE QP 2	-19.9	Si
1426	79712	-12649	-15801	SLE QP 2	-15.9	Si
1455	46565	2476	-15692	SLE QP 2	-12.5	Si
1484	13419	17601	-15583	SLE QP 2	-11.8	Si
1513	-19728	32726	-15474	SLE QP 2	-13.9	Si
1542	-52875	47851	-15366	SLE QP 2	-17.7	Si
1571	-86022	62976	-15257	SLE QP 2	-21.6	Si
1600	-119168	78101	-15148	SLE QP 2	-25.5	Si
1620	92089	-145212	-6792	SLE QP 2	-40.6	Si
1649	61756	-113488	-6685	SLE QP 2	-20.6	Si
1678	30890	-81207	-6576	SLE QP 2	-14.9	Si
1707	24	-48927	-6468	SLE QP 2	-9.1	Si
1736	-30841	-16646	-6359	SLE QP 2	-7.6	Si
1765	-61707	15635	-6250	SLE QP 2	-9.5	Si
1794	-92573	47915	-6141	SLE QP 2	-15.2	Si
1823	-123438	80196	-6033	SLE QP 2	-31.1	Si
1852	-154304	112476	-5924	SLE QP 2	-43	Si
1881	-185170	144757	-5815	SLE QP 2	-54.7	Si
1910	-216035	177038	-5706	SLE QP 2	-66.4	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-140	129129	-66515	-96133										No	Si
-111	112433	-60035	-96003										No	Si
-81	95447	-53442	-95871										No	Si
-52	78462	-46850	-95739										No	Si
-22	61477	-40258	-95606										No	Si
7	44492	-33665	-95474										No	Si
36	27506	-27073	-95341										No	Si
66	10521	-20481	-95209										No	Si
95	-6464	-13888	-95077										No	Si
125	-23619	-7230	-94943										No	Si
154	-40435	-704	-94812										No	Si
184	-57420	5889	-94680										No	Si
213	-74150	12382	-94549										No	Si
242	-91390	19073	-94415										No	Si
272	-108376	25666	-94283										No	Si
301	-125361	32258	-94150										No	Si
331	-142346	38850	-94018										No	Si
360	-159043	45331	-93888										No	Si
380	240307	-27224	-78714										No	Si
409	206729	-20820	-78584										No	Si
438	173150	-14416	-78453										No	Si
467	139572	-8011	-78323										No	Si
496	105993	-1607	-78192										No	Si
525	72414	4797	-78062										No	Si
554	38836	11201	-77931										No	Si
583	5257	17605	-77801										No	Si
612	-28321	24010	-77670										No	Si
641	-61900	30414	-77540										No	Si

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
670	-95478	36818	-77409										No	Si
690	73058	-1170	-54396										No	Si
719	54472	-4896	-54268										No	Si
748	35560	-8687	-54137										No	Si
777	16648	-12478	-54007										No	Si
806	-2264	-16270	-53876										No	Si
835	-21177	-20061	-53746										No	Si
864	-40089	-23852	-53615										No	Si
893	-59001	-27643	-53485										No	Si
922	-77913	-31434	-53354										No	Si
951	-96825	-35226	-53224										No	Si
980	-115412	-38951	-53095										No	Si
1000	157507	21683	-33422										No	Si
1029	121351	21439	-33314										No	Si
1058	85195	21196	-33205										No	Si
1087	49039	20952	-33096										No	Si
1116	12883	20709	-32987										No	Si
1145	-23274	20465	-32879										No	Si
1174	-59430	20222	-32770										No	Si
1203	-95586	19978	-32661										No	Si
1232	-131742	19735	-32552										No	Si
1261	-167898	19491	-32444										No	Si
1290	-204055	19247	-32335										No	Si
1310	223423	-72528	-16917										No	Si
1339	189248	-57680	-16810										No	Si
1368	154474	-42572	-16701										No	Si
1397	119699	-27463	-16592										No	Si
1426	71892	-13091	-14776										No	Si
1455	41187	2059	-14667										No	Si
1484	10482	17209	-14559										No	Si
1513	-20223	32359	-14450										No	Si
1542	-50929	47509	-14341										No	Si
1571	-81634	62660	-14232										No	Si
1600	-112339	77810	-14124										No	Si
1620	97420	-152447	-7231										No	Si
1649	65063	-118714	-7124										No	Si
1678	32138	-84389	-7015										No	Si
1707	2891	-46888	-5801										No	Si
1736	-26538	-18006	-5701										No	Si
1765	-66635	18586	-6689										No	Si
1794	-99559	52911	-6580										No	Si
1823	-132484	87236	-6471										No	Si
1852	-165408	121561	-6363										No	Si
1881	-198333	155886	-6254										No	Si
1910	-231257	190211	-6145	SLE FR 6	-203964	167762	167762	1270.4	562.4	0.0179	36.44	0.0135	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-140	129129	-66515	-96133										No	Si
-111	112433	-60035	-96003										No	Si
-81	95447	-53442	-95871										No	Si
-52	78462	-46850	-95739										No	Si
-22	61477	-40258	-95606										No	Si
7	44492	-33665	-95474										No	Si
36	27506	-27073	-95341										No	Si
66	10521	-20481	-95209										No	Si
95	-6464	-13888	-95077										No	Si
125	-23619	-7230	-94943										No	Si
154	-40435	-704	-94812										No	Si
184	-57420	5889	-94680										No	Si
213	-74150	12382	-94549										No	Si
242	-91390	19073	-94415										No	Si
272	-108376	25666	-94283										No	Si
301	-125361	32258	-94150										No	Si
331	-142346	38850	-94018										No	Si
360	-159043	45331	-93888										No	Si
380	240307	-27224	-78714										No	Si
409	206729	-20820	-78584										No	Si
438	173150	-14416	-78453										No	Si
467	139572	-8011	-78323										No	Si
496	105993	-1607	-78192										No	Si
525	72414	4797	-78062										No	Si
554	38836	11201	-77931										No	Si
583	5257	17605	-77801										No	Si
612	-28321	24010	-77670										No	Si
641	-61900	30414	-77540										No	Si
670	-95478	36818	-77409										No	Si
690	73058	-1170	-54396										No	Si
719	54472	-4896	-54268										No	Si
748	35560	-8687	-54137										No	Si
777	16648	-12478	-54007										No	Si
806	-2264	-16270	-53876										No	Si
835	-21177	-20061	-53746										No	Si
864	-40089	-23852	-53615										No	Si
893	-59001	-27643	-53485										No	Si
922	-77913	-31434	-53354										No	Si
951	-96825	-35226	-53224										No	Si
980	-115412	-38951	-53095										No	Si
1000	157507	21683	-33422										No	Si
1029	121351	21439	-33314										No	Si
1058	85195	21196	-33205										No	Si
1087	49039	20952	-33096										No	Si
1116	12883	20709	-32987										No	Si
1145	-23274	20465	-32879										No	Si
1174	-59430	20222	-32770										No	Si
1203	-95586	19978	-32661										No	Si

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1232	-131742	19735	-32552										No	Si
1261	-167898	19491	-32444										No	Si
1290	-204055	19247	-32335										No	Si
1310	211727	-72889	-16234										No	Si
1339	179152	-58025	-16127										No	Si
1368	146005	-42900	-16018										No	Si
1397	112859	-27774	-15909										No	Si
1426	71892	-13091	-14776										No	Si
1455	41187	2059	-14667										No	Si
1484	10482	17209	-14559										No	Si
1513	-20223	32359	-14450										No	Si
1542	-50929	47509	-14341										No	Si
1571	-81634	62660	-14232										No	Si
1600	-112339	77810	-14124										No	Si
1620	92089	-145212	-6792										No	Si
1649	61756	-113488	-6685										No	Si
1678	30890	-81207	-6576										No	Si
1707	1240	-47221	-5810										No	Si
1736	-26538	-18006	-5701										No	Si
1765	-61707	15635	-6250										No	Si
1794	-92573	47915	-6141										No	Si
1823	-123438	80196	-6033										No	Si
1852	-154304	112476	-5924										No	Si
1881	-185170	144757	-5815										No	Si
1910	-216035	177038	-5706	SLE QP 2	-204309	167428	167428	1185.9	563.3	0.0178	36.48	0.0126	Si	Si

Verifiche nodi trave colonna

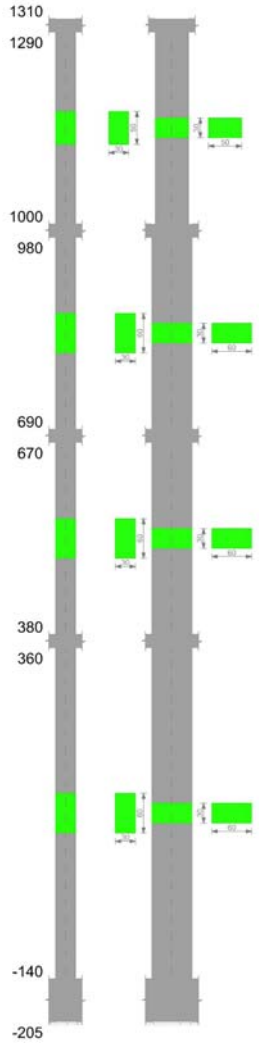
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.

Pilastro 26

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60	No	No	No	No		C30/37	B450C	
380	670	R 30x60	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	399877	302972	-111695	1055586	799778	SLU 52	2.64	Si
-111	20.11	2.2	0	1,2	367586	302513	-111525	980210	806684	SLU 52	2.667	Si
-81	20.11	1.1	0	2	334738	302046	-111353	900468	812526	SLU 52	2.69	Si
-52	20.11	1.1	0	2	302438	302438	-111498	818158	818158	SLU 51	2.705	Si
-22	20.11	1.1	0	2	301972	301972	-111326	818158	818158	SLU 51	2.709	Si
7	20.11	1.1	0	2	301505	301505	-111154	818158	818158	SLU 51	2.714	Si
36	20.11	1.1	0	2	301038	301038	-110982	818158	818158	SLU 51	2.718	Si
66	20.11	1.1	0	2	300572	300572	-110810	818158	818158	SLU 51	2.722	Si
95	20.11	1.1	0	2	300105	300105	-110638	818158	818158	SLU 51	2.726	Si
125	20.11	1.1	0	2	299634	299634	-110464	818158	818158	SLU 51	2.731	Si
154	20.11	1.1	0	2	299171	-299171	-110294	818158	-818158	SLU 51	2.735	Si
184	20.11	1.1	0	2	298705	-298705	-110122	818158	-818158	SLU 51	2.739	Si
213	20.11	1.1	0	2	298245	-298245	-109952	818158	-818158	SLU 51	2.743	Si
242	20.11	1.1	0	2	297771	-297771	-109777	818158	-818158	SLU 51	2.748	Si
272	20.11	1.1	0	2	297305	-297305	-109605	818158	-818158	SLU 51	2.752	Si
301	20.11	1.1	0	2	296838	-296838	-109433	818158	-818158	SLU 51	2.756	Si
331	20.11	1.1	0	2	296371	-296371	-109261	818158	-818158	SLU 51	2.761	Si
360	20.11	1.1	0	2	-295912	-295912	-109092	-818158	-818158	SLU 51	2.765	Si
380	20.11	2.2	0	2,3	-269016	161924	-80962	-1040252	626140	SLU 52	3.867	Si
409	20.11	2.2	0	2,3	-255241	161585	-80792	-994210	629401	SLU 52	3.895	Si
438	20.11	1.1	0	3	-241467	161245	-80623	-947099	632448	SLU 52	3.922	Si
467	20.11	1.1	0	3	-227692	160906	-80453	-898809	635172	SLU 52	3.947	Si
496	20.11	1.1	0	3	-213918	160567	-80283	-849819	637875	SLU 52	3.973	Si
525	20.11	1.1	0	3	-200143	-160228	-80114	-800191	-640605	SLU 52	3.998	Si
554	20.11	1.1	0	3	-186368	-159888	-79944	-749608	-643100	SLU 52	4.022	Si
583	20.11	1.1	0	3	-172594	-159549	-79774	-698111	-645347	SLU 52	4.045	Si
612	20.11	1.1	0	3	-159589	-159589	-79794	-647491	-647491	SLU 51	4.057	Si
641	20.11	1.1	0	3	-159250	-159250	-79625	-647491	-647491	SLU 51	4.066	Si
670	20.11	1.1	0	3	-158910	-158910	-79455	-647491	-647491	SLU 51	4.075	Si
690	20.11	2.2	0	3,4,6,7	308608	158095	-50559	1602440	820906	SLU 52	5.192	Si
719	20.11	2.2	0	3,4,6,7	248458	131019	-50393	1401832	739228	SLU 52	5.642	Si
748	20.11	1.1	0	4,6,7	187252	103468	-50223	1146748	633648	SLU 52	6.124	Si
777	20.11	1.1	0	4,6,7	126047	100107	-50053	806187	640275	SLU 52	6.396	Si
806	20.11	1.1	0	4,6,7	100010	100010	-50005	647491	647491	SLU 51	6.474	Si
835	20.11	1.1	0	4,6,7	99671	99671	-49836	647491	647491	SLU 51	6.496	Si
864	20.11	1.1	0	4,6,7	-99332	-99332	-49666	-647491	-647491	SLU 51	6.518	Si
893	20.11	1.1	0	4,6,7	-119701	-98993	-49496	-776195	-641913	SLU 51	6.484	Si
922	20.11	1.1	0	4,6,7	-180000	-98653	-49327	-1130080	-619368	SLU 51	6.278	Si
951	20.37	1.6	0	4,5,6,7	-240299	-98314	-49157	-1453541	-594691	SLU 51	6.049	Si
980	27.42	2	0	4,5,6,7	-299558	-120185	-48990	-1813701	-727670	SLU 51	6.055	Si
1000	20.11	2.4	0	5,6,7,8,9	141688	244040	-19291	794722	1368816	SLU 51	5.609	Si
1029	17.8	2.4	0	5,6,7,8,9	120999	179190	-19150	838783	1242172	SLU 51	6.932	Si
1058	16.08	1.1	0	8,9	100310	114339	-19008	909223	1036387	SLU 51	9.064	Si
1087	16.08	1.1	0	8,9	79621	49489	-18867	985683	612656	SLU 51	12.38	Si
1116	16.08	1.1	0	8,9	58933	-37451	-18726	802818	-510183	SLU 51	13.623	Si
1145	16.08	1.1	0	8,9	38244	-80212	-18584	453193	-950519	SLU 51	11.85	Si
1174	16.08	1.1	0	8,9	36886	-145062	-18443	329334	-1295192	SLU 51	8.929	Si
1203	16.08	1.1	0	8,9	-36603	-209913	-18301	-252226	-1446485	SLU 51	6.891	Si
1232	16.08	1.1	0	8,9	-36320	-274763	-18160	-195796	-1481209	SLU 51	5.391	Si
1261	16.08	1.1	0	8,9	-44511	-339614	-18019	-178895	-1364937	SLU 51	4.019	Si
1290	22.11	2.1	0	8,9	-64843	-403346	-17880	-252457	-1570361	SLU 51	3.893	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	1468835	-159832	-63349	-2.02	1.92	2474636	-269278	SLV 15	1.685				Si
-111	20.11	2.2	0	1,2	1361689	-147633	-63219	-2.02	1.92	2481053	-268993	SLV 15	1.822				Si
-81	20.11	1.1	0	2	1252705	-135224	-63087	-2.02	1.92	2484265	-268165	SLV 15	1.983				Si
-52	20.11	1.1	0	2	1143741	-122817	-62954	-2.02	1.92	2480824	-266396	SLV 15	2.169				Si
-22	20.11	1.1	0	2	1034806	-110413	-62822	-2.02	1.92	2466172	-263140	SLV 15	2.383				Si
7	20.11	1.1	0	2	925908	-98014	-62690	-2.02	1.92	2431368	-257377	SLV 15	2.626				Si
36	20.11	1.1	0	2	817060	-85620	-62557	-2.02	1.92	2368694	-248216	SLV 15	2.899				Si
66	20.11	1.1	0	2	708294	-73237	-62425	-2.02	1.92	2266651	-234370	SLV 15	3.2				Si
95	20.11	1.1	0	2	-476350	67660	-72779	-2.02	1.92	-1658694	235598	SLV 1	3.482				Si
125	20.11	1.1	0	2	-384217	45158	-72646	-2.02	1.92	-1451058	170547	SLV 1	3.777				Si
154	20.11	1.1	0	2	-294333	23234	-72515	-2.02	1.92	-1211018	95596	SLV 1	4.114				Si
184	20.11	1.1	0	2	-128123	6052	-74489	-2.02	1.92	-566354	26750	SLV 5	4.42				Si
213	20.11	1.1	0	2	-72575	-28153	-74359	-2.02	1.92	-321374	-124668	SLV 5	4.428				Si
242	20.11	1.1	0	2	17068	-54154	-74224	-2.02	1.92	75716	-240233	SLV 5	4.436				Si
272	20.11	1.1	0	2	73010	-82672	-74092	-2.02	1.92	321799	-364385	SLV 5	4.408				Si
301	20.11	1.1	0	2	123093	-111517	-73960	-2.02	1.92	505635	-458084	SLV 5	4.108				Si
331	20.11	1.1	0	2	180617	-140456	-73827	-2.02	1.92	691447	-537699	SLV 5	3.828				Si
360	20.11	1.1	0	2	355671	-133709	-71590	-2.02	1.92	1261910	-474396	SLV 1	3.548				Si
380	20.11	2.2	0	2,3	-154548	225339	-55014	-2.02	1.92	-648052	944898	SLV 5	4.193				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
409	20.11	2.2	0	2,3	-146958	180508	-54884	-2.02	1.92	-664869	816658	SLV 5	4.524				Si
438	20.11	1.1	0	3	-143253	135800	-54753	-2.02	1.92	-697601	661306	SLV 5	4.87				Si
467	20.11	1.1	0	3	-62030	91390	-54623	-2.02	1.92	-347507	511987	SLV 5	5.602				Si
496	20.11	1.1	0	3	-11897	45875	-54492	-2.02	1.92	-71885	277201	SLV 5	6.043				Si
525	20.11	1.1	0	3	-3160	2556	-54362	-2.02	1.92	-19138	15482	SLV 5	6.057				Si
554	20.11	1.1	0	3	8058	-49495	-54231	-2.02	1.92	48924	-300515	SLV 5	6.072				Si
583	20.11	1.1	0	3	20942	-92513	-54101	-2.02	1.92	121724	-537717	SLV 5	5.812				Si
612	20.11	1.1	0	3	34939	-136868	-53970	-2.02	1.92	185357	-726110	SLV 5	5.305				Si
641	20.11	1.1	0	3	49689	-181558	-53840	-2.02	1.92	242214	-885012	SLV 5	4.875				Si
670	20.11	1.1	0	3	64965	-226380	-53709	-2.02	1.92	292203	-1018228	SLV 5	4.498				Si
690	20.11	2.2	0	3,4,6,7	139254	192148	-33305	-2.02	1.92	790064	1090162	SLV 9	5.674				Si
719	20.11	2.2	0	3,4,6,7	111895	156850	-33176	-2.02	1.92	721028	1010710	SLV 9	6.444				Si
748	20.11	1.1	0	4,6,7	83945	121022	-33046	-2.02	1.92	614198	885480	SLV 9	7.317				Si
777	20.11	1.1	0	4,6,7	-5267	101083	-33909	-2.02	1.92	-43332	831563	SLV 5	8.227				Si
806	20.11	1.1	0	4,6,7	-21992	59559	-33779	-2.02	1.92	-201456	545594	SLV 5	9.161				Si
835	20.11	1.1	0	4,6,7	41695	15775	-33648	-2.02	1.92	408012	154367	SLV 5	9.786				Si
864	20.11	1.1	0	4,6,7	65066	-28646	-32336	-2.02	1.92	638552	-281133	SLV 1	9.814				Si
893	20.11	1.1	0	4,6,7	16044	-76466	-33387	-2.02	1.92	141804	-675827	SLV 5	8.838				Si
922	20.11	1.1	0	4,6,7	7260	-118969	-33257	-2.02	1.92	57522	-942552	SLV 5	7.923				Si
951	20.37	1.6	0	4,5,6,7	-108978	-133117	-32132	-2.02	1.92	-764320	-933617	SLV 9	7.014				Si
980	27.42	2	0	4,5,6,7	-136324	-168397	-32004	-2.02	1.92	-904063	-1116763	SLV 9	6.632				Si
1000	20.11	2.4	0	5,6,7,8,9	-26389	281821	-13082	-2.02	1.92	-122884	1312325	SLV 5	4.657				Si
1029	17.8	2.4	0	5,6,7,8,9	-11166	210677	-12974	-2.02	1.92	-67110	1266169	SLV 5	6.01				Si
1058	16.08	1.1	0	8,9	49931	120272	-12318	-2.02	1.92	432336	1041404	SLV 9	8.659				Si
1087	16.08	1.1	0	8,9	77362	58583	-12209	-2.02	1.92	939865	711725	SLV 9	12.149				Si
1116	16.08	1.1	0	8,9	85441	-2807	-12001	-2.02	1.92	1424539	-46800	SLV 1	16.673				Si
1145	16.08	1.1	0	8,9	95533	-66131	-11892	-2.02	1.92	1026509	-710587	SLV 1	10.745				Si
1174	16.08	1.1	0	8,9	84081	-146290	-12430	-2.02	1.92	559849	-974067	SLV 5	6.658				Si
1203	16.08	1.1	0	8,9	98955	-217333	-12321	-2.02	1.92	456899	-1003483	SLV 5	4.617				Si
1232	16.08	1.1	0	8,9	114623	-288470	-12212	-2.02	1.92	374538	-942592	SLV 5	3.268				Si
1261	16.08	1.1	0	8,9	130660	-359642	-12104	-2.02	1.92	314428	-865464	SLV 5	2.406				Si
1290	22.11	2.1	0	8,9	146615	-429604	-11997	-2.02	1.92	360002	-1054858	SLV 5	2.455				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	656108	-36599	-66547	2199941	-122716	SLD 15	3.353	Si
-111	20.11	2.2	0	1,2	608745	-34761	-66417	2116251	-120843	SLD 15	3.476	Si
-81	20.11	1.1	0	2	560572	-32892	-66284	2020800	-118573	SLD 15	3.605	Si
-52	20.11	1.1	0	2	512412	-31025	-66152	1914693	-115928	SLD 15	3.737	Si
-22	20.11	1.1	0	2	464269	-29159	-66020	1798308	-112945	SLD 15	3.873	Si
7	20.11	1.1	0	2	416148	-27296	-65887	1672551	-109705	SLD 15	4.019	Si
36	20.11	1.1	0	2	368058	-25436	-65755	1537036	-106223	SLD 15	4.176	Si
66	20.11	1.1	0	2	320019	-23583	-65623	1390662	-102482	SLD 15	4.346	Si
95	20.11	1.1	0	2	272052	-21741	-65490	1232146	-98469	SLD 15	4.529	Si
125	20.11	1.1	0	2	-63451	23726	-70269	-297320	111178	SLD 5	4.686	Si
154	20.11	1.1	0	2	-45716	9624	-70138	-214618	45180	SLD 5	4.695	Si
184	20.11	1.1	0	2	-28226	-4639	-70006	-132760	-21820	SLD 5	4.703	Si
213	20.11	1.1	0	2	-12175	-21811	-69875	-57371	-102779	SLD 5	4.712	Si
242	20.11	1.1	0	2	18789	-34890	-69741	88708	-164726	SLD 5	4.721	Si
272	20.11	1.1	0	2	38174	-49055	-69609	180575	-232045	SLD 5	4.73	Si
301	20.11	1.1	0	2	51950	-63399	-69476	246209	-300467	SLD 5	4.739	Si
331	20.11	1.1	0	2	69051	-77795	-69344	324815	-365950	SLD 5	4.704	Si
360	20.11	1.1	0	2	133834	-77961	-68393	607664	-353980	SLD 1	4.54	Si
380	20.11	2.2	0	2,3	-114920	142417	-51599	-588534	729353	SLD 5	5.121	Si
409	20.11	2.2	0	2,3	-112378	113828	-51468	-606846	614677	SLD 5	5.4	Si
438	20.11	1.1	0	3	-111149	85312	-51338	-633470	486217	SLD 5	5.699	Si
467	20.11	1.1	0	3	-71620	56973	-51207	-447770	356199	SLD 5	6.252	Si
496	20.11	1.1	0	3	-48140	28329	-51077	-310337	182626	SLD 5	6.447	Si
525	20.11	1.1	0	3	-45211	189	-50946	-292200	1219	SLD 5	6.463	Si
554	20.11	1.1	0	3	-41324	-32511	-50816	-267766	-210659	SLD 5	6.48	Si
583	20.11	1.1	0	3	-71000	-53959	-50111	-454849	-345676	SLD 9	6.406	Si
612	20.11	1.1	0	3	-69839	-79559	-49980	-426177	-485490	SLD 9	6.102	Si
641	20.11	1.1	0	3	-68578	-105301	-49850	-399034	-612713	SLD 9	5.819	Si
670	20.11	1.1	0	3	-20424	-145519	-50294	-113270	-807039	SLD 5	5.546	Si
690	20.11	2.2	0	3,4,6,7	160135	134118	-31571	1058087	886178	SLD 9	6.607	Si
719	20.11	2.2	0	3,4,6,7	128513	109882	-31443	944775	807805	SLD 9	7.352	Si
748	20.11	1.1	0	4,6,7	96273	85274	-31313	788537	698447	SLD 9	8.191	Si
777	20.11	1.1	0	4,6,7	63857	60791	-31182	586339	558189	SLD 9	9.182	Si
806	20.11	1.1	0	4,6,7	30907	36722	-31052	322568	383261	SLD 9	10.437	Si
835	20.11	1.1	0	4,6,7	20098	12405	-31311	211346	130447	SLD 5	10.516	Si
864	20.11	1.1	0	4,6,7	-6143	-19663	-31181	-64870	-207644	SLD 5	10.56	Si
893	20.11	1.1	0	4,6,7	-63228	-40006	-30660	-627115	-396792	SLD 9	9.918	Si
922	20.11	1.1	0	4,6,7	-95620	-64422	-30530	-843895	-568552	SLD 9	8.825	Si
951	20.37	1.6	0	4,5,6,7	-127860	-89005	-30399	-1016458	-707568	SLD 9	7.95	Si
980	27.42	2	0	4,5,6,7	-159486	-113229	-30271	-1222654	-868041	SLD 9	7.666	Si
1000	20.11	2.4	0	5,6,7,8,9	74630	183236	-11587	454260	1115329	SLD 9	6.087	Si
1029	17.8	2.4	0	5,6,7,8,9	64909	136282	-11478	497484	1044516	SLD 9	7.664	Si
1058	16.08	1.1	0	8,9	55067	89358	-11370	589630	956811	SLD 9	10.708	Si
1087	16.08	1.1	0	8,9	61338	42556	-11261	920188	638420	SLD 9	15.002	Si
1116	16.08	1.1	0	8,9	57908	-4255	-11116	1147589	-84321	SLD 1	19.817	Si
1145	16.08	1.1	0	8,9	52106	-51979	-11008	764954	-763086	SLD 1	14.681	Si
1174	16.08	1.1	0	8,9	39090	-105959	-11151	390625	-1058847	SLD 5	9.993	Si
1203	16.08	1.1	0	8,9	37376	-156473	-11042	267157	-1118450	SLD 5	7.148	Si
1232	16.08	1.1	0	8,9	36145	-207043	-10934	200403	-1147934	SLD 5	5.544	Si
1261	16.08	1.1	0	8,9	35139	-257635	-10825	145741	-1068562	SLD 5	4.148	Si
1290	22.11	2.1	0	8,9	34268	-307366	-10718	142302	-1276363	SLD 5	4.153	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-342	-104891	SLU 46	15366	51792	52691	2.35	151.34	-1648	-79537	SLU 15	15029	48385	55356	2.5	29.35	Si
-111	5X/2Y Ø8/10	-342	-104721	SLU 46	15366	51792	52691	2.35	151.34	-1648	-79407	SLU 15	15029	48385	55356	2.5	29.35	Si
-81	5X/2Y Ø8/10	-342	-104549	SLU 46	15366	51792	52691	2.35	151.34	-1648	-79275	SLU 15	15029	48385	55356	2.5	29.35	Si
-52	5X/2Y Ø8/10	-342	-104377	SLU 46	15366	51792	52691	2.35	151.34	-1648	-79142	SLU 15	15029	48385	55356	2.5	29.35	Si
-22	5X/2Y Ø8/15	-342	-104205	SLU 46	15366	36732	50429	2.5	107.33	-1648	-79010	SLU 15	15029	32257	55356	2.5	19.57	Si
7	5X/2Y Ø8/15	-342	-104033	SLU 46	15366	36732	50429	2.5	107.33	-1648	-78878	SLU 15	15029	32257	55356	2.5	19.57	Si
36	5X/2Y Ø8/15	-342	-103861	SLU 46	15366	36732	50429	2.5	107.33	-1648	-78745	SLU 15	15029	32257	55356	2.5	19.57	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
66	5X/2Y Ø8/15	-342	-103689	SLU 46	15366	36732	50429	2.5	107.33	-1648	-78613	SLU 15	15029	32257	55356	2.5	19.57	Si
95	5X/2Y Ø8/15	-342	-103517	SLU 46	15366	36732	50429	2.5	107.33	-1648	-78481	SLU 15	15029	32257	55356	2.5	19.57	Si
125	5X/2Y Ø8/15	-342	-103343	SLU 46	15366	36732	50429	2.5	107.33	-1648	-78347	SLU 15	15029	32257	55356	2.5	19.57	Si
154	5X/2Y Ø8/15	-342	-103173	SLU 46	15366	36732	50429	2.5	107.33	-1648	-78216	SLU 15	15029	32257	55343	2.5	19.57	Si
184	5X/2Y Ø8/15	-342	-103001	SLU 46	15366	36732	50429	2.5	107.33	-1648	-78084	SLU 15	15029	32257	55324	2.5	19.57	Si
213	5X/2Y Ø8/15	-342	-102831	SLU 46	15366	36732	50429	2.5	107.33	-1648	-77953	SLU 15	15029	32257	55306	2.5	19.57	Si
242	5X/2Y Ø8/10	-342	-102657	SLU 46	15366	51792	52691	2.35	151.34	-1648	-77819	SLU 15	15029	48385	55287	2.5	29.35	Si
272	5X/2Y Ø8/10	-342	-102485	SLU 46	15366	51792	52691	2.35	151.34	-1648	-77687	SLU 15	15029	48385	55268	2.5	29.35	Si
301	5X/2Y Ø8/10	-342	-102313	SLU 46	15366	51792	52691	2.35	151.34	-1648	-77554	SLU 15	15029	48385	55250	2.5	29.35	Si
331	5X/2Y Ø8/10	-342	-102141	SLU 46	15366	51792	52691	2.35	151.34	-1648	-77422	SLU 15	15029	48385	55231	2.5	29.35	Si
360	5X/2Y Ø8/10	-342	-101971	SLU 46	15366	51792	52691	2.35	151.34	-1648	-77292	SLU 15	15029	48385	55212	2.5	29.35	Si
380	5X/2Y Ø8/10	-990	-81152	SLU 51	15366	51792	52691	2.35	52.31	797	-59530	SLU 32	14603	48385	52701	2.5	60.7	Si
409	5X/2Y Ø8/10	-990	-80982	SLU 51	15366	51792	52691	2.35	52.31	797	-59360	SLU 32	14579	48385	52677	2.5	60.7	Si
438	5X/2Y Ø8/10	-990	-80812	SLU 51	15366	51792	52691	2.35	52.31	797	-59191	SLU 32	14556	48385	52653	2.5	60.7	Si
467	5X/2Y Ø8/14.4	-990	-80643	SLU 51	15366	38145	50429	2.5	38.52	797	-59021	SLU 32	14533	33497	52629	2.5	42.02	Si
496	5X/2Y Ø8/14.4	-990	-80473	SLU 51	15366	38145	50429	2.5	38.52	797	-58852	SLU 32	14510	33497	52605	2.5	42.02	Si
525	5X/2Y Ø8/14.4	-990	-80303	SLU 51	15366	38145	50429	2.5	38.52	797	-58682	SLU 32	14487	33497	52581	2.5	42.02	Si
554	5X/2Y Ø8/14.4	-990	-80134	SLU 51	15366	38145	50429	2.5	38.52	797	-58512	SLU 32	14464	33497	52557	2.5	42.02	Si
583	5X/2Y Ø8/14.4	-990	-79964	SLU 51	15366	38145	50429	2.5	38.52	797	-58343	SLU 32	14440	33497	52533	2.5	42.02	Si
612	5X/2Y Ø8/10	-990	-79794	SLU 51	15366	51792	52691	2.35	52.31	797	-58173	SLU 32	14417	48385	52509	2.5	60.7	Si
641	5X/2Y Ø8/10	-990	-79625	SLU 51	15366	51792	52691	2.35	52.31	797	-58003	SLU 32	14394	48385	52485	2.5	60.7	Si
670	5X/2Y Ø8/10	-990	-79455	SLU 51	15366	51792	52691	2.35	52.31	797	-57834	SLU 32	14371	48385	52461	2.5	60.7	Si
690	5X/2Y Ø8/10	-961	-50681	SLU 51	13876	49588	50446	2.25	51.59	-2113	-50389	SLU 50	13353	48385	51409	2.5	22.9	Si
719	5X/2Y Ø8/10	-961	-50514	SLU 51	13855	49588	50423	2.25	51.59	-2113	-50222	SLU 50	13331	48385	51385	2.5	22.9	Si
748	5X/2Y Ø8/10	-961	-50345	SLU 51	13834	49588	50400	2.25	51.59	-2113	-50052	SLU 50	13307	48385	51361	2.5	22.9	Si
777	5X/2Y Ø8/14.4	-961	-50175	SLU 51	13813	38145	46806	2.5	39.69	-2113	-49883	SLU 50	13284	33497	51337	2.5	15.86	Si
806	5X/2Y Ø8/14.4	-961	-50005	SLU 51	13792	38145	46784	2.5	39.69	-2113	-49713	SLU 50	13261	33497	51313	2.5	15.86	Si
835	5X/2Y Ø8/14.4	-961	-49836	SLU 51	13771	38145	46762	2.5	39.69	-2113	-49543	SLU 50	13238	33497	51289	2.5	15.86	Si
864	5X/2Y Ø8/14.4	-961	-49666	SLU 51	13750	38145	46740	2.5	39.69	-2113	-49374	SLU 50	13215	33497	51265	2.5	15.86	Si
893	5X/2Y Ø8/14.4	-961	-49496	SLU 51	13729	38145	46718	2.5	39.69	-2113	-49204	SLU 50	13191	33497	51241	2.5	15.86	Si
922	5X/2Y Ø8/10	-961	-49327	SLU 51	13708	49588	50259	2.25	51.59	-2113	-49035	SLU 50	13168	48385	51217	2.5	22.9	Si
951	5X/2Y Ø8/10	-961	-49157	SLU 51	13686	49588	50235	2.25	51.59	-2113	-48865	SLU 50	13145	48385	51194	2.5	22.9	Si
980	5X/2Y Ø8/10	-961	-48990	SLU 51	13666	49588	50212	2.25	51.59	-2113	-48698	SLU 50	13122	48385	51170	2.5	22.9	Si
1000	4X/2Y Ø8/10	-2236	-19291	SLU 51	8707	38789	39442	2.2	17.35	-718	-19165	SLU 49	8173	38743	39409	2.45	53.95	Si
1029	4X/2Y Ø8/10	-2236	-19150	SLU 51	8690	38789	39423	2.2	17.35	-718	-19024	SLU 49	8154	38743	39389	2.45	53.95	Si
1058	4X/2Y Ø8/10	-2236	-19008	SLU 51	8672	38789	39403	2.2	17.35	-718	-18882	SLU 49	8135	38743	39369	2.45	53.95	Si
1087	4X/2Y Ø8/14.4	-2236	-18867	SLU 51	8654	30516	36049	2.5	13.65	-718	-18741	SLU 49	8116	27370	38782	2.5	38.11	Si
1116	4X/2Y Ø8/14.4	-2236	-18726	SLU 51	8637	30516	36031	2.5	13.65	-718	-18600	SLU 49	8097	27370	38762	2.5	38.11	Si
1145	4X/2Y Ø8/14.4	-2236	-18584	SLU 51	8619	30516	36013	2.5	13.65	-718	-18458	SLU 49	8078	27370	38743	2.5	38.11	Si
1174	4X/2Y Ø8/14.4	-2236	-18443	SLU 51	8602	30516	35995	2.5	13.65	-718	-18317	SLU 49	8059	27370	38723	2.5	38.11	Si
1203	4X/2Y Ø8/14.4	-2236	-18301	SLU 51	8584	30516	35977	2.5	13.65	-718	-18176	SLU 49	8040	27370	38704	2.5	38.11	Si
1232	4X/2Y Ø8/10	-2236	-18160	SLU 51	8566	38789	39283	2.2	17.35	-718	-18034	SLU 49	8021	38743	39250	2.45	53.95	Si
1261	4X/2Y Ø8/10	-2236	-18019	SLU 51	8549	38789	39263	2.2	17.35	-718	-17893	SLU 49	8002	38743	39230	2.45	53.95	Si
1290	4X/2Y Ø8/10	-2236	-17880	SLU 51	8531	38789	39244	2.2	17.35	-718	-17754	SLU 49	7984	38743	39211	2.45	53.95	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-987	-75943	SLV 5	15366	51792	52372	2.35	52.47	-3709	-63349	SLV 15	15029	48385	53241	2.5	13.05	Si
-111	5X/2Y Ø8/10	-987	-75812	SLV 5	15366	51792	52355	2.35	52.47	-3709	-63219	SLV 15	15029	48385	53223	2.5	13.05	Si
-81	5X/2Y Ø8/10	-987	-75680	SLV 5	15366	51792	52337	2.35	52.47	-3709	-63087	SLV 15	15029	48385	53204	2.5	13.05	Si
-52	5X/2Y Ø8/10	-987	-75548	SLV 5	15366	51792	52319	2.35	52.47	-3709	-62954	SLV 15	15029	48385	53185	2.5	13.05	Si
-22	5X/2Y Ø8/15	-987	-75415	SLV 5	15366	36732	50056	2.5	37.21	-3709	-62822	SLV 15	15029	32257	53167	2.5	8.7	Si
7	5X/2Y Ø8/15	-987	-75283	SLV 5	15366	36732	50039	2.5	37.21	-3709	-62690	SLV 15	15029	32257	53148	2.5	8.7	Si
36	5X/2Y Ø8/15	-987	-75151	SLV 5	15366	36732	50022	2.5	37.21	-3709	-62557	SLV 15	15016	32257	53129	2.5	8.7	Si
66	5X/2Y Ø8/15	-987	-75018	SLV 5	15366	36732	50005	2.5	37.21	-3709	-62425	SLV 15	14998	32257	53111	2.5	8.7	Si
95	5X/2Y Ø8/15	-987	-74886	SLV 5	15366	36732	49988	2.5	37.21	-3709	-62293	SLV 15	14980	32257	53092	2.5	8.7	Si
125	5X/2Y Ø8/15	-987	-74752	SLV 5	15366	36732	49971	2.5	37.21	-3709	-62159	SLV 15	14962	32257	53073	2.5	8.7	Si
154	5X/2Y Ø8/15	-987	-74621	SLV 5	15366	36732	49954	2.5	37.21	-3709	-62028	SLV 15	14944	32257	53054	2.5	8.7	Si
184	5X/2Y Ø8/15	-987	-74489	SLV 5	15366	36732	49937	2.5	37.21	-3709	-61896	SLV 15	14926	32257	53036	2.5	8.7	Si
213	5X/2Y Ø8/15	-987	-74359	SLV 5	15366	36732	49920	2.5	37.21	-3709	-61765	SLV 15	14908	32257	53017	2.5	8.7	Si
242	5X/2Y Ø8/10	-987	-74224	SLV 5	15366	51792	52141	2.35	52.47	-3709	-61631	SLV 15	14890	48385	52998	2.5	13.05	Si
272	5X/2Y Ø8/10	-987	-74092	SLV 5	15366	51792	52123	2.35	52.47	-3709	-61498	SLV 15	14872	48385	52980	2.5	13.05	Si
301	5X/2Y Ø8/10	-987	-73960	SLV 5	15366	51792	52105	2.35	52.47	-3709	-61366	SLV 15	14854	48385	52961	2.5	13.05	Si
331	5X/2Y Ø8/10	-987	-73827	SLV 5	15366	51792	52087	2.35	52.47	-3709	-61234	SLV 15	14835	48385	52942	2.5	13.05	Si
360	5X/2Y Ø8/10	-987	-73697	SLV 5	15366	51792	52070	2.35	52.47	-3709	-61104	SLV 15	14818	48385	52924	2.5	13.05	Si
380	5X/2Y Ø8/10	-1552	-55014	SLV 5	14416	49588	51047	2.25	31.94	865	-53319	SLV 1	13754	48385	51823	2.5	55.91	Si
409	5X/2Y Ø8/10	-1552	-54884	SLV 5	14399	49588	51029	2.25	31.94	865	-53189	SLV 1	13736	48385	51805	2.5	55.91	Si
438	5X/2Y Ø8/10	-1552	-54753	SLV 5	14383	49588	51011	2.25	31.94	865	-53058	SLV 1	13718	48385	51786	2.5	55.91	Si
467	5X/2Y Ø8/14.4	-1552	-54623	SLV 5	14367	38145	47378	2.5	24.57	865	-52928	SLV 1	13700	33497	51768	2.5	38.71	Si
496	5X/2Y Ø8/14.4	-1552	-54492	SLV 5	14351	38145	47362	2.5	24.57	865	-52797	SLV 1	13682	33497	51749	2.5	38.71	Si
525	5X/2Y Ø8/14.4	-1552	-54362	SLV 5	14334	38145	47345	2.5	24.57	865	-52667	SLV 1	13665	33497	51731	2.5	38.71	Si
554	5X/2Y Ø8/14.4	-1552	-54231	SLV 5	14318	38145	47328	2.5	24.57	865	-52536	SLV 1	13647	33497	51713	2.5	38.71	Si
583	5X/2Y Ø8/14.4	-1552	-54101	SLV 5	14302	38145	47311	2.5	24.57	865	-52406	SLV 1	13629	33497	51694	2.5	38.71	Si
612	5X/2Y Ø8/10	-1552	-53970	SLV 5	14286	49588	50902	2.25	31.94	865	-52275	SLV 1	13611	48385	51676	2.5	55.91	Si
641	5X/2Y Ø8/10	-1552	-53840	SLV 5	14270	49588	50884	2.25	31.94	865	-52145	SLV 1	13593	48385	51657	2.5	55.91	Si
670	5X/2Y Ø8/10	-1552	-53709	SLV 5	14253	49588	50866	2.25	31.94	865	-52014	SLV 1	13575	48385	51639	2.5	55.91	Si
690	5X/2Y Ø8/10	-1493	-34298	SLV 5	11837	48486	48900	2.2	32.48	-2761	-27797	SLV 15	10266	47417	48921	2.45	17.17	Si
719	5X/2Y Ø8/10	-1493	-34170	SLV 5	11821	48486	48882	2.2	32.48	-2761	-27669	SLV 15	10248	47417	48902	2.45	17.17	Si
748	5X/2Y Ø8/10	-1493	-34040	SLV 5	11804	48486	48863	2.2	32.48	-2761	-27538	SLV 15	10230	47417	48884	2.45	17.17	Si
777	5X/2Y Ø8/14.4	-1493	-33909	SLV 5	11788	38145	44711	2.5	25.55	-2761	-27408	SLV 15	10213	33497	48160	2.5	12.13	Si
806	5X/2Y Ø8/14.4	-1493	-33779	SLV 5	11772	38145	44694	2.5	25.55	-2761	-27277	SLV 15	10195	33497	48141	2.5	12.13	Si
835	5X/2Y Ø8/14.4	-1493	-33648	SLV 5	11756	38145	44677	2.5	25.55	-2761	-27147	SLV 15	10177	33497	48123	2.5	12.13	Si
864	5X/2Y Ø8/14.4	-1493	-33518	SLV 5	11739	38145	44660	2.5	25.55	-2761	-27016	SLV 15	10159	33497	48105	2.5	12.13	Si
893	5X/2Y Ø8/14.4	-1493	-33387	SLV 5	11723	38145	44643	2.5	25.55	-2761	-26886	SLV 15	10141	33497	48086	2.5	12.13	Si
922	5X/2Y Ø8/10	-1493	-33257	SLV 5	11707	48486	48753	2.2	32.48	-2761	-26755	SLV 15	10123	47417	48771	2.45	17.17	Si
951	5X/2Y Ø8/10	-1493	-33126	SLV 5	11691	48486	48735	2.2	32.48	-2761	-26625	SLV 15	10106	47417	48753	2.45	17.17	Si
980	5X/2Y Ø8/10	-1493	-32998	SLV 5	11675	48486	48717	2.2	32.48	-2761	-26496	SLV 15	10088	47417	48734	2.45	17.17	Si
1000	4X/2Y Ø8/10	-2456	-13082	SLV 5	7934	37907	39150	2.15	15.43	-1891	-9513	SLV 15	6879	37953	38612	2.4	20.07	Si
1029	4X/2Y Ø8/10	-2456	-12974	SLV 5	7921	37907	39135	2.15	15.43	-1891	-9404	SLV 15	6865	37953	38597	2.4	20.07	Si
1058	4X/2Y Ø8/10	-2456	-12865	SLV 5	7907	37907	39119	2.15	15.43	-1891	-9295	SLV 15	6850	37953	38581	2.4	20.07	Si
1087	4X/2Y Ø8/14.4	-2456	-12756	SLV 5	7894	30516	35262	2.5	12.43	-1891	-9187	SLV 15	6836	27370	37457	2.5	14.48	Si
1116	4X/2Y Ø8/14.4	-2456	-12647	SLV 5	7880	30516	35248	2.5	12.43	-1891	-9078	SLV 15	6821	27370	37442	2.5	14.48	Si
1145	4X/2Y Ø8/14.4	-2456	-12539	SLV 5	7866	30516	35234	2.5	12.43	-1891	-8969	SLV 15	6807	27370	37427	2.5	14.48	Si
1174	4X/2Y Ø8/14.4	-2456	-12430	SLV 5	7853	30516	35220	2.5	12.43	-1891	-8860	SLV 15	6792	27370	37412	2.5	14.48	Si
1203	4X/2Y Ø8/14.4	-2456	-12321	SLV 5	7839	30516	35206	2.5	12.43	-1891	-8752	SLV 15	6777	27370	37397	2.5	14.48	Si
1232	4X/2Y Ø8/10	-2456	-12212	SLV 5	7826	37907	39026	2.15	15.43	-1891	-8643	SLV 15	6763	37953	38488	2.4	20.07	Si
1261	4X/2Y Ø8/10	-2456	-12104	SLV 5	7812	37907	39011	2.15	15.43	-1891	-8534	SLV 15	6748	37953	38473	2.4	20.07	Si
1290	4X/2Y Ø8/10	-2456	-11997	SLV 5	7799	37907	38995	2.15	15.43	-1891	-8427	SLV 15	6734	37953	38457	2.4	20.07	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-491	-71459	SLD 5	16463	55098	49547	2.5	100.83	-1640	-66547	SLD 15	15562	48385	53693	2.5	29.5	Si
-111	5X/2Y Ø8/10	-491	-71329	SLD 5	16447	55098	49530	2.5	100.8	-1640	-66417	SLD 15	15544	48385	53675	2.5	29.5	Si
-81	5X/2Y Ø8/10	-491	-71197	SLD 5	16430	55098	49513	2.5	100.76	-1640	-66284	SLD 15	15526	48385	53656	2.5	29.5	Si
-52	5X/2Y Ø8/10	-491	-71064	SLD 5	16414	55098	49496	2.5	100.73	-1640	-66152	SLD 15	15508	48385	53638	2.5	29.5	Si
-22	5X/2Y Ø8/15	-491	-70932	SLD 5	16397	36732	49479	2.5	74.75	-1640	-66020	SLD 15	15490	32257	53619	2.5	19.67	Si
7	5X/2Y Ø8/15	-491	-70800	SLD 5	16381	36732	49462	2.5	74.75	-1640	-65887	SLD 15	15471	32257	53600	2.5	19.67	Si
36	5X/2Y Ø8/15	-491	-70667	SLD 5	16365	36732	49445	2.5	74.75	-1640	-65755	SLD 15	15453	32257	53581	2.5	19.67	Si
66	5X/2Y Ø8/15	-491	-70535	SLD 5	16348	36732	49428	2.5	74.75	-1640	-65623	SLD 15	15435	32257	53563	2.5	19.67	Si
95	5X/2Y Ø8/15	-491	-70403	SLD 5	16332	36732	49411	2.5	74.75	-1640	-65490	SLD 15	15417	32257	53544	2.5	19.67	Si
125	5X/2Y Ø8/15	-491	-70269	SLD 5	16315	36732	49394	2.5	74.75	-1640	-65357	SLD 15	15399	32257	53525	2.5	19.67	Si
154	5X/2Y Ø8/15	-491	-70138	SLD 5	16299	36732	49377	2.5	74.75	-1640	-65226	SLD 15	15381	32257	53507	2.5	19.67	Si
184	5X/2Y Ø8/15	-491	-70006	SLD 5	16282	36732	49360	2.5	74.75	-1640	-65093	SLD 15	15363	32257	53488	2.5	19.67	Si
213	5X/2Y Ø8/15	-491	-69875	SLD 5	16266	36732	49343	2.5	74.75	-1640	-64963	SLD 15	15345	32257	53469	2.5	19.67	Si
242	5X/2Y Ø8/10	-491	-69741	SLD 5	16249	55098	49326	2.5	100.38	-1640	-64829	SLD 15	15327	48385	53450	2.5	29.5	Si
272	5X/2Y Ø8/10	-491	-69609	SLD 5	16233	55098	49309	2.5	100.35	-1640	-64696	SLD 15	15309	48385	53432	2.5	29.5	Si
301	5X/2Y Ø8/10	-491	-69476	SLD 5	16216	55098	49291	2.5	100.31	-1640	-64564	SLD 15	15291	48385	53413	2.5	29.5	Si
331	5X/2Y Ø8/10	-491	-69344	SLD 5	16200	55098	49274	2.5	100.28	-1640	-64431	SLD 15	15272	48385	53394	2.5	29.5	Si
360	5X/2Y Ø8/10	-491	-69214	SLD 5	16184	55098	49258	2.5	100.24	-1640	-64301	SLD 15	15255	48385	53376	2.5	29.5	Si
380	5X/2Y Ø8/10	-990	-51599	SLD 5	13991	55098	46989	2.5	47.48	341	-50938	SLD 1	13428	48385	51487	2.5	141.82	Si
409	5X/2Y Ø8/10	-990	-51468	SLD 5	13974	55098	46972	2.5	47.46	341	-50807	SLD 1	13410	48385	51468	2.5	141.82	Si
438	5X/2Y Ø8/10	-990	-51338	SLD 5	13958	55098	46955	2.5	47.44	341	-50677	SLD 1	13393	48385	51450	2.5	141.82	Si
467	5X/2Y Ø8/14.4	-990	-51207	SLD 5	13942	38145	46939	2.5	38.54	341	-50546	SLD 1	13375	33497	51431	2.5	98.18	Si
496	5X/2Y Ø8/14.4	-990	-51077	SLD 5	13926	38145	46922	2.5	38.54	341	-50416	SLD 1	13357	33497	51413	2.5	98.18	Si
525	5X/2Y Ø8/14.4	-990	-50946	SLD 5	13909	38145	46905	2.5	38.54	341	-50285	SLD 1	13339	33497	51394	2.5	98.18	Si
554	5X/2Y Ø8/14.4	-990	-50816	SLD 5	13893	38145	46888	2.5	38.54	341	-50155	SLD 1	13321	33497	51376	2.5	98.18	Si
583	5X/2Y Ø8/14.4	-990	-50685	SLD 5	13877	38145	46871	2.5	38.54	341	-50024	SLD 1	13303	33497	51357	2.5	98.18	Si
612	5X/2Y Ø8/10	-990	-50555	SLD 5	13861	55098	46855	2.5	47.34	341	-49894	SLD 1	13286	48385	51339	2.5	141.82	Si
641	5X/2Y Ø8/10	-990	-50424	SLD 5	13844	55098	46838	2.5	47.32	341	-49763	SLD 1	13268	48385	51320	2.5	141.82	Si
670	5X/2Y Ø8/10	-990	-50294	SLD 5	13828	55098	46821	2.5	47.31	341	-49633	SLD 1	13250	48385	51302	2.5	141.82	Si
690	5X/2Y Ø8/10	-951	-31962	SLD 5	11546	55098	44460	2.5	46.77	-1816	-29413	SLD 15	10487	48385	48443	2.5	26.65	Si
719	5X/2Y Ø8/10	-951	-31833	SLD 5	11530	55098	44443	2.5	46.75	-1816	-29285	SLD 15	10469	48385	48425	2.5	26.65	Si
748	5X/2Y Ø8/10	-951	-31703	SLD 5	11513	55098	44427	2.5	46.73	-1816	-29154	SLD 15	10451	48385	48407	2.5	26.65	Si
777	5X/2Y Ø8/14.4	-951	-31572	SLD 5	11497	38145	44410	2.5	40.12	-1816	-29024	SLD 15	10433	33497	48388	2.5	18.45	Si
806	5X/2Y Ø8/14.4	-951	-31442	SLD 5	11481	38145	44393	2.5	40.12	-1816	-28893	SLD 15	10416	33497	48370	2.5	18.45	Si
835	5X/2Y Ø8/14.4	-951	-31311	SLD 5	11465	38145	44376	2.5	40.12	-1816	-28763	SLD 15	10398	33497	48352	2.5	18.45	Si
864	5X/2Y Ø8/14.4	-951	-31181	SLD 5	11448	38145	44359	2.5	40.12	-1816	-28632	SLD 15	10380	33497	48333	2.5	18.45	Si
893	5X/2Y Ø8/14.4	-951	-31050	SLD 5	11432	38145	44342	2.5	40.12	-1816	-28502	SLD 15	10362	33497	48315	2.5	18.45	Si
922	5X/2Y Ø8/10	-951	-30920	SLD 5	11416	55098	44326	2.5	46.62	-1816	-28371	SLD 15	10344	48385	48296	2.5	26.6	Si
951	5X/2Y Ø8/10	-951	-30789	SLD 5	11400	55098	44309	2.5	46.61	-1816	-28241	SLD 15	10326	48385	48278	2.5	26.59	Si
980	5X/2Y Ø8/10	-951	-30661	SLD 5	11384	55098	44292	2.5	46.59	-1816	-28113	SLD 15	10309	48385	48260	2.5	26.58	Si
1000	4X/2Y Ø8/10	-1746	-11804	SLD 5	7775	44078	35140	2.5	20.13	-1009	-10398	SLD 15	6998	39534	37625	2.5	37.3	Si
1029	4X/2Y Ø8/10	-1746	-11695	SLD 5	7761	44078	35126	2.5	20.12	-1009	-10289	SLD 15	6983	39534	37610	2.5	37.29	Si
1058	4X/2Y Ø8/10	-1746	-11586	SLD 5	7748	44078	35112	2.5	20.11	-1009	-10180	SLD 15	6969	39534	37595	2.5	37.27	Si
1087	4X/2Y Ø8/14.4	-1746	-11477	SLD 5	7734	30516	35098	2.5	17.48	-1009	-10071	SLD 15	6954	27370	37580	2.5	27.13	Si
1116	4X/2Y Ø8/14.4	-1746	-11369	SLD 5	7721	30516	35084	2.5	17.48	-1009	-9963	SLD 15	6940	27370	37565	2.5	27.13	Si
1145	4X/2Y Ø8/14.4	-1746	-11260	SLD 5	7707	30516	35070	2.5	17.48	-1009	-9854	SLD 15	6925	27370	37550	2.5	27.13	Si
1174	4X/2Y Ø8/14.4	-1746	-11151	SLD 5	7694	30516	35056	2.5	17.48	-1009	-9745	SLD 15	6910	27370	37535	2.5	27.13	Si
1203	4X/2Y Ø8/14.4	-1746	-11042	SLD 5	7680	30516	35042	2.5	17.48	-1009	-9636	SLD 15	6896	27370	37520	2.5	27.13	Si
1232	4X/2Y Ø8/10	-1746	-10934	SLD 5	7667	44078	35028	2.5	20.07	-1009	-9528	SLD 15	6881	39534	37505	2.5	37.18	Si
1261	4X/2Y Ø8/10	-1746	-10825	SLD 5	7653	44078	35014	2.5	20.06	-1009	-9419	SLD 15	6867	39534	37490	2.5	37.17	Si
1290	4X/2Y Ø8/10	-1746	-10718	SLD 5	7640	44078	35000	2.5	20.05	-1009	-9312	SLD 15	6852	39534	37475	2.5	37.15	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	353105	61973	-74255	SLE RA 7	-57.7	353105	61973	-74255	SLE RA 7	-791.1	Si
-111	322501	54933	-74125	SLE RA 7	-55.6	322501	54933	-74125	SLE RA 7	-766	Si
-81	291367	47772	-73993	SLE RA 7	-53.4	291367	47772	-73993	SLE RA 7	-740.6	Si
-52	260233	40610	-73860	SLE RA 7	-51.2	260233	40610	-73860	SLE RA 7	-715.1	Si
-22	229099	33449	-73728	SLE RA 7	-49	179333	34683	-78264	SLE RA 13	-694	Si
7	157632	27707	-78132	SLE RA 13	-47.2	157632	27707	-78132	SLE RA 13	-674.2	Si
36	135931	20732	-77999	SLE RA 13	-45.4	135931	20732	-77999	SLE RA 13	-654.5	Si
66	114229	13756	-77867	SLE RA 13	-43.7	114229	13756	-77867	SLE RA 13	-634.7	Si
95	92528	6781	-77735	SLE RA 13	-42	92528	6781	-77735	SLE RA 13	-614.9	Si
125	70610	-264	-77601	SLE RA 13	-40.3	70610	-264	-77601	SLE RA 13	-595.4	Si
154	53434	-4762	-77681	SLE RA 12	-39.9	53434	-4762	-77681	SLE RA 12	-589.9	Si
184	45511	-10846	-77549	SLE RA 12	-40	45511	-10846	-77549	SLE RA 12	-589.7	Si
213	37707	-16839	-77418	SLE RA 12	-40.2	37707	-16839	-77418	SLE RA 12	-589.5	Si
242	29665	-23014	-77284	SLE RA 12	-40.3	29665	-23014	-77284	SLE RA 12	-589.3	Si
272	-82239	-38165	-72405	SLE RA 7	-41.8	-37679	-35071	-76941	SLE RA 13	-602.2	Si
301	-113373	-45326	-72272	SLE RA 7	-43.9	-113373	-45326	-72272	SLE RA 7	-622.1	Si
331	-144507	-52487	-72140	SLE RA 7	-46	-144507	-52487	-72140	SLE RA 7	-645.7	Si
360	-175112	-59527	-72010	SLE RA 7	-48	-175112	-59527	-72010	SLE RA 7	-668.9	Si
380	-184527	86978	-57041	SLE RA 13	-43.8	-184527	86978	-57041	SLE RA 13	-591.8	Si
409	-175151	68250	-56910	SLE RA 13	-41.6	-175151	68250	-56910	SLE RA 13	-568.9	Si
438	-165775	49523	-56780	SLE RA 13	-39.4	-165775	49523	-56780	SLE RA 13	-545.9	Si
467	-156399	30795	-56649	SLE RA 13	-37.2	-156399	30795	-56649	SLE RA 13	-522.9	Si
496	-147023	12067	-56519	SLE RA 13	-35	-147023	12067	-56519	SLE RA 13	-500	Si
525	-137647	-6661	-56388	SLE RA 13	-34	-137647	-6661	-56388	SLE RA 13	-488.8	Si
554	-128271	-25389	-56258	SLE RA 13	-35.2	-128271	-25389	-56258	SLE RA 13	-498.9	Si
583	-118895	-44117	-56127	SLE RA 13	-36.4	-118895	-44117	-56127	SLE RA 13	-509.1	Si
612	-109519	-62845	-55997	SLE RA 13	-37.6	-109519	-62845	-55997	SLE RA 13	-519.2	Si
641	-94208	-86688	-55993	SLE RA 12	-39	-94208	-86688	-55993	SLE RA 12	-531.3	Si
670	-93419	-107256	-55862	SLE RA 12	-40.8	-93419	-107256	-55862	SLE RA 12	-548.1	Si
690	213667	113168	-35673	SLE RA 13	-37.4	213667	113168	-35673	SLE RA 13	-479.5	Si
719	171994	93698	-35545	SLE RA 13	-33.6	171994	93698	-35545	SLE RA 13	-437	Si
748	129590	73888	-35414	SLE RA 13	-29.7	129590	73888	-35414	SLE RA 13	-393.8	Si
777	87186	54077	-35284	SLE RA 13	-25.9	87186	54077	-35284	SLE RA 13	-350.6	Si
806	44782	34266	-35153	SLE RA 13	-22	44782	34266	-35153	SLE RA 13	-307.4	Si
835	2378	14455	-35023	SLE RA 13	-18.1	2378	14455	-35023	SLE RA 13	-264.1	Si
864	-41247	-6982	-34974	SLE RA 12	-19.2	-41247	-6982	-34974	SLE RA 12	-279.9	Si
893	-83047	-27007	-34843	SLE RA 12	-23	-83047	-27007	-34843	SLE RA 12	-321.1	Si
922	-124846	-47032	-34713	SLE RA 12	-26.7	-124846	-47032	-34713	SLE RA 12	-362.3	Si
951	-166646	-67057	-34582	SLE RA 12	-30.4	-166646	-67057	-34582	SLE RA 12	-402.6	Si
980	-207725	-86737	-34454	SLE RA 12	-32.2	-207725	-86737	-34454	SLE RA 12	-419.9	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1000	97813	173195	-13699	SLE RA 12	-41.3	97813	173195	-13699	SLE RA 12	-434.7	Si
1029	83613	127310	-13590	SLE RA 12	-27.2	83613	127310	-13590	SLE RA 12	-316	Si
1058	69413	81426	-13482	SLE RA 12	-21.5	69413	81426	-13482	SLE RA 12	-259.3	Si
1087	55214	35541	-13373	SLE RA 12	-15.4	55214	35541	-13373	SLE RA 12	-197.8	Si
1116	41014	-10343	-13264	SLE RA 12	-11.6	41014	-10343	-13264	SLE RA 12	-158.5	Si
1145	26814	-56228	-13155	SLE RA 12	-15.6	26814	-56228	-13155	SLE RA 12	-195.1	Si
1174	12614	-102112	-13047	SLE RA 12	-19.7	12614	-102112	-13047	SLE RA 12	-231.8	Si
1203	-1585	-147996	-12938	SLE RA 12	-23.9	-1585	-147996	-12938	SLE RA 12	-274	Si
1232	-15785	-193881	-12829	SLE RA 12	-38.7	-15785	-193881	-12829	SLE RA 12	417.9	Si
1261	-29985	-239765	-12720	SLE RA 12	-49.8	-29985	-239765	-12720	SLE RA 12	686.9	Si
1290	-43939	-284859	-12614	SLE RA 12	-53.1	-43939	-284859	-12614	SLE RA 12	738	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	130427	43122	-68593	SLE QP 2	-42.8	Si
-111	121958	38230	-68462	SLE QP 2	-41.9	Si
-81	113343	33253	-68330	SLE QP 2	-40.9	Si
-52	104727	28276	-68198	SLE QP 2	-40	Si
-22	96111	23300	-68065	SLE QP 2	-39.1	Si
7	87496	18323	-67933	SLE QP 2	-38.1	Si
36	78880	13347	-67801	SLE QP 2	-37.2	Si
66	70265	8370	-67668	SLE QP 2	-36.3	Si
95	61649	3393	-67536	SLE QP 2	-35.4	Si
125	52947	-1633	-67402	SLE QP 2	-34.7	Si
154	44418	-6560	-67271	SLE QP 2	-34.7	Si
184	35802	-11536	-67139	SLE QP 2	-34.7	Si
213	27316	-16438	-67009	SLE QP 2	-34.7	Si
242	18571	-21490	-66874	SLE QP 2	-34.7	Si
272	9955	-26466	-66742	SLE QP 2	-34.6	Si
301	1340	-31443	-66609	SLE QP 2	-34.6	Si
331	-7276	-36419	-66477	SLE QP 2	-35.3	Si
360	-15745	-41311	-66347	SLE QP 2	-36.1	Si
380	-80672	89316	-49409	SLE QP 2	-35.5	Si
409	-80653	71058	-49279	SLE QP 2	-33.8	Si
438	-80633	52800	-49148	SLE QP 2	-32	Si
467	-80614	34542	-49018	SLE QP 2	-30.3	Si
496	-80594	16283	-48887	SLE QP 2	-28.6	Si
525	-80575	-1975	-48757	SLE QP 2	-27.2	Si
554	-80555	-20233	-48626	SLE QP 2	-28.8	Si
583	-80536	-38492	-48496	SLE QP 2	-30.4	Si
612	-80516	-56750	-48365	SLE QP 2	-32	Si
641	-80496	-75008	-48235	SLE QP 2	-33.6	Si
670	-80477	-93266	-48104	SLE QP 2	-35.2	Si
690	174479	96636	-30457	SLE QP 2	-31.6	Si
719	140084	79435	-30328	SLE QP 2	-28.3	Si
748	105086	61933	-30198	SLE QP 2	-25	Si
777	70088	44431	-30067	SLE QP 2	-21.7	Si
806	35090	26930	-29937	SLE QP 2	-18.4	Si
835	92	9428	-29806	SLE QP 2	-15	Si
864	-34906	-8074	-29676	SLE QP 2	-16.5	Si
893	-69903	-25576	-29545	SLE QP 2	-19.7	Si
922	-104901	-43078	-29415	SLE QP 2	-22.9	Si
951	-139899	-60580	-29284	SLE QP 2	-26	Si
980	-174294	-77781	-29156	SLE QP 2	-27.5	Si
1000	82728	143289	-10975	SLE QP 2	-34.5	Si
1029	70618	106053	-10866	SLE QP 2	-22.5	Si
1058	58507	68816	-10757	SLE QP 2	-17.8	Si
1087	46397	31580	-10648	SLE QP 2	-12.8	Si
1116	34286	-5656	-10540	SLE QP 2	-9	Si
1145	22176	-42892	-10431	SLE QP 2	-12.3	Si
1174	10065	-80129	-10322	SLE QP 2	-15.5	Si
1203	-2045	-117365	-10213	SLE QP 2	-19	Si
1232	-14156	-154601	-10105	SLE QP 2	-23.9	Si
1261	-26266	-191837	-9996	SLE QP 2	-40.2	Si
1290	-38168	-228432	-9889	SLE QP 2	-42.9	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

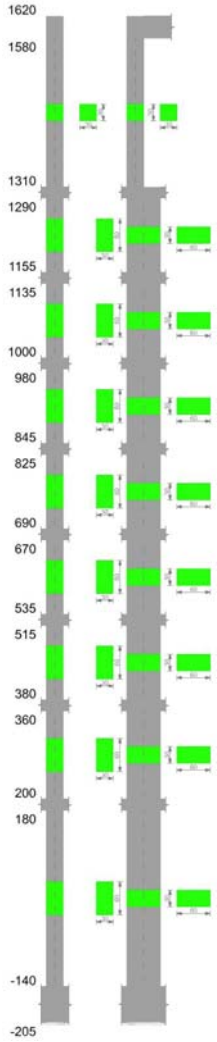
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 990 in quanto nodo interno a piastra.

Pilastro 27

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	180	R 30x60	No	No	No	No		C30/37	B450C	
200	360	R 30x60	No	No	No	No		C30/37	B450C	
380	515	R 30x60	No	No	No	No		C30/37	B450C	
535	670	R 30x60	No	No	No	No		C30/37	B450C	
690	825	R 30x60	No	No	No	No		C30/37	B450C	
845	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1135	R 30x60	No	No	No	No		C30/37	B450C	
1155	1290	R 30x60	No	No	No	No		C30/37	B450C	
1310	1580	R 30x30 1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.5	-9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.6	9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.6	-9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.8	-9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.8	-9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.8	9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.8	9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.9	-9.67	-24.67	1.6	2.011	1310	1620	R 30x30_1	B450C
p.9	9.67	-24.67	1.6	2.011	1310	1620	R 30x30_1	B450C
p.9	9.67	-5.33	1.6	2.011	1310	1620	R 30x30_1	B450C
p.9	-9.67	-5.33	1.6	2.011	1310	1620	R 30x30_1	B450C
p.10	-9.9	-15	1.6	2.011	1310	1620	R 30x30_1	B450C
p.10	9.9	-15	1.6	2.011	1310	1620	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	455542	-164136	-82068	1604872	-578250	SLU 52	3.523	Si
-111	20.11	2.2	0	1,2	389707	-163801	-81901	1417770	-595916	SLU 52	3.638	Si
-82	20.11	1.1	0	2	298122	165580	-82790	1116939	620360	SLU 51	3.747	Si
-53	20.11	1.1	0	2	237310	-165240	-82620	911221	-634486	SLU 51	3.84	Si
-24	20.11	1.1	0	2	176499	-164900	-82450	691065	-645649	SLU 51	3.915	Si
5	20.11	1.1	0	2	164559	-164559	-82280	647491	-647491	SLU 51	3.935	Si
35	20.11	1.1	0	2	164219	-164219	-82109	647491	-647491	SLU 51	3.943	Si
64	20.11	1.1	0	2	-163879	-163879	-81939	-647491	-647491	SLU 51	3.951	Si
93	20.11	1.1	0	2	-163538	-163538	-81769	-647491	-647491	SLU 51	3.959	Si
122	20.11	1.1	0	2	-163198	-163198	-81599	-647491	-647491	SLU 51	3.968	Si
151	20.11	1.1	0	2	-188371	-162857	-81429	-744130	-643342	SLU 51	3.95	Si
180	20.11	1.1	0	2	-279007	-160404	-80202	-1083456	-622890	SLU 52	3.883	Si
200	20.11	1.1	0	2	-150532	150532	-75266	-647491	647491	SLU 51	4.301	Si
232	20.11	1.1	0	2	150164	150164	-75082	647491	647491	SLU 51	4.312	Si
264	20.11	1.1	0	2	149789	149789	-74895	647491	647491	SLU 51	4.323	Si
296	20.11	1.1	0	2	148412	194528	-74206	616197	807669	SLU 52	4.152	Si
328	20.11	1.1	0	2	209645	257271	-74019	802106	984321	SLU 52	3.826	Si
360	20.11	1.1	0	2	222377	377689	-68996	768433	1305117	SLU 46	3.456	Si
380	20.11	2.2	0	2,3	-108565	-167651	-54282	-593375	-916319	SLU 51	5.466	Si
414	20.11	2.2	0	2,3	-121627	-156558	-54085	-674951	-868795	SLU 51	5.549	Si
448	20.11	1.1	0	3	-156156	-145464	-53888	-871125	-811478	SLU 51	5.579	Si
481	20.11	1.1	0	3	-190685	-134370	-53690	-1064522	-750135	SLU 51	5.583	Si
515	20.11	1.1	0	3	-224703	-123440	-53496	-1250391	-686901	SLU 51	5.565	Si
535	20.11	1.1	0	3	94522	107202	-47261	634084	719144	SLU 52	6.708	Si
569	20.11	1.1	0	3	94133	108380	-47067	632299	727999	SLU 52	6.717	Si
603	20.11	1.1	0	3	94388	106807	-47194	634350	717820	SLU 51	6.721	Si
636	20.11	1.1	0	3	93993	114494	-46996	625481	761909	SLU 51	6.655	Si
670	20.11	1.1	0	3	93598	122181	-46799	616744	805086	SLU 51	6.589	Si
690	20.11	2.2	0	3,4	145031	-74644	-37322	1193827	-614437	SLU 51	8.232	Si
724	20.11	2.2	0	3,4	74255	-74255	-37128	647491	-647491	SLU 51	8.72	Si
758	20.11	1.1	0	4	-73860	-92805	-36930	-621627	-781070	SLU 51	8.416	Si
791	20.11	1.1	0	4	-102869	-114911	-36733	-816266	-911819	SLU 51	7.935	Si
825	20.11	1.1	0	4	-185912	-137017	-36535	-1321512	-973952	SLU 51	7.108	Si
845	20.11	1.1	0	4	121224	92374	-29919	1144423	872067	SLU 52	9.441	Si
879	20.11	1.1	0	4	95022	82637	-29721	948486	824867	SLU 52	9.982	Si
913	20.11	1.1	0	4	68819	72900	-29524	722974	765842	SLU 52	10.505	Si
946	20.11	1.1	0	4	58653	63163	-29326	639862	689066	SLU 52	10.909	Si
980	20.11	1.1	0	4	58582	58582	-29291	647491	647491	SLU 51	11.053	Si
1000	20.11	2.2	0	4,5,6,8	90176	-56755	-20011	1278073	-804400	SLU 51	14.173	Si
1034	20.11	2.2	0	4,5,6,8	39627	-66841	-19814	580048	-978391	SLU 51	14.638	Si
1068	20.11	1.1	0	5,6,8	-39233	-76928	-19616	-554958	-1088166	SLU 51	14.145	Si
1101	20.11	1.1	0	5,6,8	-95067	-87014	-19419	-1208294	-1105939	SLU 51	12.71	Si
1135	20.11	1.1	0	5,6,8	-155900	-96951	-19224	-1715025	-1066537	SLU 51	11.001	Si
1155	20.11	1.1	0	5,6,8	159877	127665	-12704	1620878	1294302	SLU 52	10.138	Si
1189	20.11	1.1	0	5,6,8	145949	111328	-12506	1667641	1272055	SLU 52	11.426	Si
1223	20.11	1.1	0	5,6,8	132022	94992	-12309	1709203	1229799	SLU 52	12.946	Si
1256	20.11	1.1	0	5,6,8	118094	78655	-12112	1749763	1165408	SLU 52	14.817	Si
1290	31.04	2.5	0	5,6,7,8	104373	62561	-11917	2002591	1200344	SLU 52	19.187	Si
1310	20.11	3.6	0	5,7,9,10	138315	-35236	-4693	855101	-217841	SLU 51	6.182	Si
1340	15.34	3.6	0	5,7,9,10	94863	-31558	-4605	765585	-254684	SLU 51	8.07	Si
1370	12.06	1.3	0	9,10	51411	-27879	-4517	674862	-365964	SLU 51	13.127	Si
1400	12.06	1.3	0	9,10	8859	-24200	-4430	243133	-664138	SLU 51	27.443	Si
1430	12.06	1.3	0	9,10	-35494	-20522	-4342	-656324	-379474	SLU 51	18.491	Si
1460	12.06	1.3	0	9,10	-78946	-16843	-4254	-752329	-160509	SLU 51	9.53	Si
1490	12.06	1.3	0	9,10	-122398	-13164	-4166	-707508	-76095	SLU 51	5.78	Si
1520	12.06	1.3	0	9,10	-165850	-9486	-4079	-670815	-38366	SLU 51	4.045	Si
1550	12.06	1.3	0	9,10	-209303	-7982	-3991	-637853	-24325	SLU 51	3.048	Si
1580	14.29	2.2	0	9,10	-252031	-7809	-3905	-712779	-22086	SLU 51	2.828	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	1496266	243241	-74176	-2.02	1.92	2330809	378908	SLV 5	1.558				Si
-111	20.11	2.2	0	1,2	1312754	216314	-74048	-2.02	1.92	2327256	383483	SLV 5	1.773				Si
-82	20.11	1.1	0	2	1126043	189549	-73917	-2.02	1.92	2297392	386725	SLV 5	2.04				Si
-53	20.11	1.1	0	2	939347	163675	-73786	-2.02	1.92	2215721	386074	SLV 5	2.359				Si
-24	20.11	1.1	0	2	752678	139052	-73655	-2.02	1.92	2051248	378953	SLV 5	2.725				Si
5	20.11	1.1	0	2	566059	99411	-73524	-2.02	1.92	1800804	316257	SLV 5	3.181				Si
35	20.11	1.1	0	2	379558	-57011	-73393	-2.02	1.92	1411360	-211991	SLV 5	3.718				Si
64	20.11	1.1	0	2	193461	-65383	-73262	-2.02	1.92	810480	-273915	SLV 5	4.189				Si
93	20.11	1.1	0	2	9372	-77233	-73131	-2.02	1.92	42197	-347739	SLV 5	4.502				Si
122	20.11	1.1	0	2	-184632	-141645	-65772	-2.02	1.92	-763989	-586113	SLV 9	4.138				Si
151	20.11	1.1	0	2	-353645	-110170	-72870	-2.02	1.92	-1272907	-396546	SLV 5	3.599				Si
180	20.11	1.1	0	2	-552558	-128551	-72741	-2.02	1.92	-1733330	-403254	SLV 5	3.137				Si
200	20.11	1.1	0	2	26370	328080	-58709	-2.02	1.92	98180	1221495	SLV 1	3.723				Si
232	20.11	1.1	0	2	59709	247013	-58567	-2.02	1.92	247698	1024718	SLV 1	4.148				Si
264	20.11	1.1	0	2	149956	151994	-63184	-2.02	1.92	643256	651998	SLV 5	4.29				Si
296	20.11	1.1	0	2	250853	119750	-63040	-2.02	1.92	1052063	502227	SLV 5	4.194				Si
328	20.11	1.1	0	2	361035	132812	-62896	-2.02	1.92	1384565	509331	SLV 5	3.835				Si
360	20.11	1.1	0	2	378869	322233	-41247	-2.02	1.92	1203049	1023208	SLV 13	3.175				Si
380	20.11	2.2	0	2,3	-429513	-148992	-15065	-2.02	1.92	-1810871	-628165	SLV 11	4.216				Si
414	20.11	2.2	0	2,3	127826	-107869	-50697	-2.02	1.92	696140	-587455	SLV 5	5.446				Si
448	20.11	1.1	0	3	-72700	-152161	-50545	-2.02	1.92	-382858	-801320	SLV 5	5.266				Si
481	20.11	1.1	0	3	-312259	-199721	-50393	-2.02	1.92	-1264281	-808634	SLV 5	4.049				Si
515	20.11	1.1	0	3	-514179	-246932	-50243	-2.02	1.92	-1625481	-780628	SLV 5	3.161				Si
535	20.11	1.1	0	3	-59289	153692	-40644	-2.02	1.92	-362736	940305	SLV 5	6.118				Si
569	20.11	1.1	0	3	87116	130869	-40494	-2.02	1.92	547391	822307	SLV 5	6.283				Si
603	20.11	1.1	0	3	122026	110127	-40342	-2.02	1.92	776851	701102	SLV 5	6.366				Si
636	20.11	1.1	0	3	212761	95285	-40190	-2.02	1.92	1275593	571277	SLV 5	5.995				Si
670	20.11	1.1	0	3	280284	99503	-40038	-2.02	1.92	1554183	551744	SLV 5	5.545				Si
690	20.11	2.2	0	3,4	394585	72108	-34145	-2.02	1.92	2143413	391697	SLV 5	5.432				Si
724	20.11	2.2	0	3,4	179152	1730	-33995	-2.02	1.92	1502905	14509	SLV 5	8.389				Si
758	20.11	1.1	0	4	-95226	-94444	-33844	-2.02	1.92	-724946	-718989	SLV 5	7.613				Si
791	20.11	1.1	0	4	-299886	-168296	-33692	-2.02	1.92	-1486671	-834321	SLV 5	4.957				Si
825	20.11	1.1	0	4	-523660	-244904	-33540	-2.02	1.92	-1674845	-783287	SLV 5	3.198				Si
845	20.11	1.1	0	4	-56356	154232	-23824	-2.02	1.92	-447365	1224320	SLV 5	7.938				Si
879	20.11	1.1	0	4	-32577	114409	-23672	-2.02	1.92	-313155	1099784	SLV 5	9.613				Si
913	20.11	1.1	0	4	119508	76313	-22040	-2.02	1.92	1190952	760496	SLV 9	9.965				Si
946	20.11	1.1	0	4	147647	74419	-21888	-2.02	1.92	1408519	709939	SLV 9	9.54				Si
980	20.11	1.1	0	4	137545	88571	-16571	-2.02	1.92	1381469	889585	SLV 13	10.044				Si
1000	20.11	2.2	0	4,5,6,8	-203232	-108363	-5931	-2.02	1.92	-1345102	-717207	SLV 11	6.619				Si
1034	20.11	2.2	0	4,5,6,8	109427	-56080	-17245	-2.02	1.92	1363920	-698996	SLV 5	12.464				Si
1068	20.11	1.1	0	5,6,8	-139800	-102143	-17093	-2.02	1.92	-1296440	-947226	SLV 5	9.274				Si
1101	20.11	1.1	0	5,6,8	-342810	-158091	-16941	-2.02	1.92	-1649941	-760890	SLV 5	4.813				Si
1135	20.11	1.1	0	5,6,8	-549841	-216161	-16791	-2.02	1.92	-1643099	-645959	SLV 5	2.988				Si
1155	20.11	1.1	0	5,6,8	-96432	162235	-7689	-2.02	1.92	-692485	1165020	SLV 5	7.181				Si
1189	20.11	1.1	0	5,6,8	-58904	119843	-7537	-2.02	1.92	-617304	1255927	SLV 5	10.48				Si
1223	20.11	1.1	0	5,6,8	150894	77536	-7855	-2.02	1.92	1568365	805892	SLV 15	10.394				Si
1256	20.11	1.1	0	5,6,8	125308	105320	-7703	-2.02	1.92	1174771	987377	SLV 15	9.375				Si
1290	31.04	2.5	0	5,6,7,8	94521	145084	-7553	-2.02	1.92	896925	1376724	SLV 15	9.489				Si
1310	20.11	3.6	0	5,7,9,10	182866	10416	-3027	-2.02	1.92	705263	40172	SLV 5	3.857				Si
1340	15.34	3.6	0	5,7,9,10	132196	9386	-2959	-2.02	1.92	604127	42892	SLV 5	4.57				Si
1370	12.06	1.3	0	9,10	80652	8356	-2892	-2.02	1.92	565654	58602	SLV 5	7.013				Si
1400	12.06	1.3	0	9,10	-15208	-41607	-2705	-2.02	1.92	-219842	-601473	SLV 15	14.456				Si
1430	12.06	1.3	0	9,10	-22904	-35353	-2638	-2.02	1.92	-320604	-494863	SLV 15	13.998				Si
1460	12.06	1.3	0	9,10	-77256	-4662	-2843	-2.02	1.92	-584377	-35264	SLV 9	7.564				Si
1490	12.06	1.3	0	9,10	-128427	-3568	-2775	-2.02	1.92	-503145	-13979	SLV 9	3.918				Si
1520	12.06	1.3	0	9,10	-180033	-2473	-2708	-2.02	1.92	-472611	-6492	SLV 9	2.625				Si
1550	12.06	1.3	0	9,10	-231758	-1374	-2640	-2.02	1.92	-456876	-2709	SLV 9	1.971				Si
1580	14.29	2.2	0	9,10	-282671	-278	-2574	-2.02	1.92	-534983	-526	SLV 9	1.893				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	728768	102316	-59783	2255417	316650	SLD 5	3.095	Si
-111	20.11	2.2	0	1,2	636206	88080	-59654	2157235	298659	SLD 5	3.391	Si
-82	20.11	1.1	0	2	542030	73848	-59523	2013532	274329	SLD 5	3.715	Si
-53	20.11	1.1	0	2	447862	59973	-59392	1818129	243465	SLD 5	4.06	Si
-24	20.11	1.1	0	2	353706	46604	-59261	1567784	206571	SLD 5	4.432	Si
5	20.11	1.1	0	2	259575	27391	-59130	1274023	134437	SLD 5	4.908	Si
35	20.11	1.1	0	2	165500	-37423	-58999	873178	-197445	SLD 5	5.276	Si
64	20.11	1.1	0	2	71623	-44334	-58868	400609	-247973	SLD 5	5.593	Si
93	20.11	1.1	0	2	-21313	-52660	-58738	-119475	-295203	SLD 5	5.606	Si
122	20.11	1.1	0	2	-118914	-81595	-55789	-636400	-436678	SLD 9	5.352	Si
151	20.11	1.1	0	2	-205931	-72994	-58476	-1003080	-355548	SLD 5	4.871	Si
180	20.11	1.1	0	2	-304601	-83798	-58347	-1354719	-372695	SLD 5	4.448	Si
200	20.11	1.1	0	2	8131	152027	-50830	44576	833414	SLD 1	5.482	Si
232	20.11	1.1	0	2	43340	130263	-50688	242196	727950	SLD 1	5.588	Si
264	20.11	1.1	0	2	104822	103334	-52404	572711	564577	SLD 5	5.464	Si
296	20.11	1.1	0	2	165596	100698	-52260	865869	526528	SLD 5	5.229	Si
328	20.11	1.1	0	2	230812	116023	-52116	1119380	562685	SLD 5	4.85	Si
360	20.11	1.1	0	2	296263	161343	-50013	1298942	707395	SLD 9	4.384	Si
380	20.11	2.2	0	2,3	100588	-81178	-39942	701354	-566018	SLD 5	6.973	Si
414	20.11	2.2	0	2,3	9524	-99590	-39791	69738	-729229	SLD 5	7.322	Si
448	20.11	1.1	0	3	-101129	-116888	-37954	-673803	-778805	SLD 1	6.663	Si
481	20.11	1.1	0	3	-190407	-126184	-39487	-1109288	-735131	SLD 5	5.826	Si
515	20.11	1.1	0	3	-280354	-140318	-39337	-1444335	-722894	SLD 5	5.152	Si
535	20.11	1.1	0	3	-11697	94672	-33582	-98031	793458	SLD 5	8.381	Si
569	20.11	1.1	0	3	59527	88106	-33433	484009	716382	SLD 5	8.131	Si
603	20.11	1.1	0	3	75814	82345	-33281	616123	669193	SLD 5	8.127	Si
636	20.11	1.1	0	3	115272	79472	-33129	901984	621858	SLD 5	7.825	Si
670	20.11	1.1	0	3	144606	85430	-32977	1078469	637138	SLD 5	7.458	Si
690	20.11	2.2	0	3,4	206849	8006	-27000	1920341	74321	SLD 5	9.284	Si
724	20.11	2.2	0	3,4	95968	-26095	-26851	1039066	-282537	SLD 5	10.827	Si
758	20.11	1.1	0	4	-48174	-71052	-26699	-488901	-721073	SLD 5	10.149	Si
791	20.11	1.1	0	4	-153202	-106733	-26547	-1192594	-830857	SLD 5	7.784	Si
825	20.11	1.1	0	4	-268464	-143477	-26395	-1553389	-830188	SLD 5	5.786	Si
845	20.11	1.1	0	4	21520	99600	-19724	245594	1136693	SLD 1	11.413	Si
879	20.11	1.1	0	4	17932	78026	-19572	227845	991418	SLD 1	12.706	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
913	20.11	1.1	0	4	75898	56516	-19508	952291	709110	SLD 9	12.547	Si
946	20.11	1.1	0	4	79663	53139	-19356	1010718	674202	SLD 9	12.687	Si
980	20.11	1.1	0	4	67588	54364	-17172	940671	756625	SLD 13	13.918	Si
1000	20.11	2.2	0	4,5,6,8	156095	-6427	-13919	2356290	-97020	SLD 5	15.095	Si
1034	20.11	2.2	0	4,5,6,8	58154	-47329	-13768	975831	-794191	SLD 5	16.78	Si
1068	20.11	1.1	0	5,6,8	-67624	-67915	-13616	-975853	-980055	SLD 5	14.431	Si
1101	20.11	1.1	0	5,6,8	-167269	-92855	-13464	-1545462	-857920	SLD 5	9.239	Si
1135	20.11	1.1	0	5,6,8	-269633	-118856	-13314	-1686962	-743623	SLD 5	6.257	Si
1155	20.11	1.1	0	5,6,8	28426	111483	-7133	351395	1378143	SLD 1	12.362	Si
1189	20.11	1.1	0	5,6,8	33887	86158	-6981	515789	1311389	SLD 1	15.221	Si
1223	20.11	1.1	0	5,6,8	102860	64329	-7413	1442351	902055	SLD 15	14.022	Si
1256	20.11	1.1	0	5,6,8	90553	68272	-7261	1292266	974302	SLD 15	14.271	Si
1290	31.04	2.5	0	5,6,7,8	74992	77621	-7112	1191560	1233329	SLD 15	15.889	Si
1310	20.11	3.6	0	5,7,9,10	120812	-5999	-2863	740766	-36786	SLD 5	6.132	Si
1340	15.34	3.6	0	5,7,9,10	85879	-5339	-2795	663741	-41267	SLD 5	7.729	Si
1370	12.06	1.3	0	9,10	50589	-4679	-2728	658205	-60879	SLD 5	13.011	Si
1400	12.06	1.3	0	9,10	-4268	-26385	-2617	-112799	-697365	SLD 15	26.43	Si
1430	12.06	1.3	0	9,10	-21234	-22416	-2549	-400850	-423168	SLD 15	18.878	Si
1460	12.06	1.3	0	9,10	-52834	-15660	-2565	-572267	-169624	SLD 13	10.831	Si
1490	12.06	1.3	0	9,10	-92119	-5569	-2520	-527087	-31867	SLD 9	5.722	Si
1520	12.06	1.3	0	9,10	-127428	-3959	-2453	-489996	-15222	SLD 9	3.845	Si
1550	12.06	1.3	0	9,10	-162807	-2346	-2385	-470576	-6782	SLD 9	2.89	Si
1580	14.29	2.2	0	9,10	-197623	-756	-2319	-548241	-2098	SLD 9	2.774	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-400	-68205	SLU 38	15366	50690	52096	2.3	126.61	-2303	-82068	SLU 52	15029	48385	55356	2.5	21.01	Si
-111	5X/2Y Ø8/10	-400	-68038	SLU 38	15366	50690	52073	2.3	126.61	-2303	-81901	SLU 52	15029	48385	55356	2.5	21.01	Si
-82	5X/2Y Ø8/10	-400	-67868	SLU 38	15366	50690	52050	2.3	126.61	-2303	-81731	SLU 52	15029	48385	55356	2.5	21.01	Si
-53	5X/2Y Ø8/10	-400	-67697	SLU 38	15366	50690	52026	2.3	126.61	-2303	-81560	SLU 52	15029	48385	55356	2.5	21.01	Si
-24	5X/2Y Ø8/15	-400	-67527	SLU 38	15366	36732	49040	2.5	91.75	-2303	-81390	SLU 52	15029	32257	55356	2.5	14.01	Si
5	5X/2Y Ø8/15	-400	-67357	SLU 38	15366	36732	49019	2.5	91.75	-2303	-81220	SLU 52	15029	32257	55356	2.5	14.01	Si
35	5X/2Y Ø8/15	-400	-67187	SLU 38	15366	36732	48997	2.5	91.75	-2303	-81050	SLU 52	15029	32257	55356	2.5	14.01	Si
64	5X/2Y Ø8/15	-400	-67017	SLU 38	15366	36732	48975	2.5	91.75	-2303	-80880	SLU 52	15029	32257	55356	2.5	14.01	Si
93	5X/2Y Ø8/15	-400	-66847	SLU 38	15366	36732	48953	2.5	91.75	-2303	-80709	SLU 52	15029	32257	55356	2.5	14.01	Si
122	5X/2Y Ø8/15	-400	-66676	SLU 38	15366	36732	48931	2.5	91.75	-2303	-80539	SLU 52	15029	32257	55356	2.5	14.01	Si
151	5X/2Y Ø8/15	-400	-66506	SLU 38	15366	36732	48909	2.5	91.75	-2303	-80369	SLU 52	15029	32257	55356	2.5	14.01	Si
180	5X/2Y Ø8/15	-400	-66339	SLU 38	15366	36732	48887	2.5	91.75	-2303	-80202	SLU 52	15029	32257	55356	2.5	14.01	Si
200	5X/2Y Ø8/15	2621	-69926	SLU 46	15366	36732	49349	2.5	14.01	2000	-74765	SLU 52	15029	32257	54855	2.5	16.13	Si
232	5X/2Y Ø8/15	2621	-69742	SLU 46	15366	36732	49326	2.5	14.01	2000	-74580	SLU 52	15029	32257	54829	2.5	16.13	Si
264	5X/2Y Ø8/10	2621	-69554	SLU 46	15366	50690	52280	2.3	19.34	2000	-74393	SLU 52	15029	48385	54803	2.5	24.19	Si
296	5X/2Y Ø8/10	2621	-69367	SLU 46	15366	50690	52254	2.3	19.34	2000	-74206	SLU 52	15029	48385	54776	2.5	24.19	Si
328	5X/2Y Ø8/10	2621	-69180	SLU 46	15366	50690	52229	2.3	19.34	2000	-74019	SLU 52	15029	48385	54750	2.5	24.19	Si
360	5X/2Y Ø8/10	2621	-68996	SLU 46	15366	50690	52204	2.3	19.34	2000	-73834	SLU 52	15029	48385	54724	2.5	24.19	Si
380	5X/2Y Ø8/10	-536	-40696	SLU 33	12633	48486	49800	2.2	90.39	-1041	-45039	SLU 38	12622	48385	50653	2.5	46.48	Si
414	5X/2Y Ø8/10	-536	-40499	SLU 33	12609	48486	49772	2.2	90.39	-1041	-44842	SLU 38	12595	48385	50625	2.5	46.48	Si
448	5X/2Y Ø8/10	-536	-40301	SLU 33	12584	48486	49744	2.2	90.39	-1041	-44644	SLU 38	12568	48385	50597	2.5	46.48	Si
481	5X/2Y Ø8/14.4	-536	-40104	SLU 33	12559	38145	45509	2.5	71.11	-1041	-44447	SLU 38	12541	33497	50569	2.5	32.18	Si
515	5X/2Y Ø8/14.4	-536	-39909	SLU 33	12535	38145	45483	2.5	71.11	-1041	-44252	SLU 38	12515	33497	50541	2.5	32.18	Si
535	5X/2Y Ø8/14.4	280	-33305	SLU 14	11713	38145	44633	2.5	136.08	298	-38855	SLU 43	11777	33497	49778	2.5	112.42	Si
569	5X/2Y Ø8/14.4	280	-33155	SLU 14	11694	38145	44614	2.5	136.08	298	-38660	SLU 43	11750	33497	49751	2.5	112.42	Si
603	5X/2Y Ø8/10	280	-33003	SLU 14	11675	48486	48717	2.2	172.98	298	-38463	SLU 43	11723	48385	49723	2.5	162.39	Si
636	5X/2Y Ø8/10	280	-32852	SLU 14	11656	48486	48696	2.2	172.98	298	-38266	SLU 43	11697	48385	49695	2.5	162.39	Si
670	5X/2Y Ø8/10	280	-32700	SLU 14	11638	48486	48675	2.2	172.98	298	-38068	SLU 43	11670	48385	49667	2.5	162.39	Si
690	5X/2Y Ø8/10	-682	-30907	SLU 36	11414	47384	49153	2.15	69.51	-2461	-37322	SLU 51	11568	48385	49562	2.5	19.66	Si
724	5X/2Y Ø8/10	-689	-31248	SLU 38	11457	47384	49201	2.15	68.77	-2461	-37128	SLU 51	11541	48385	49534	2.5	19.66	Si
758	5X/2Y Ø8/10	-689	-31050	SLU 38	11432	47384	49173	2.15	68.77	-2461	-36930	SLU 51	11514	48385	49506	2.5	19.66	Si
791	5X/2Y Ø8/14.4	-689	-30853	SLU 38	11408	38145	44317	2.5	55.36	-2461	-36733	SLU 51	11487	33497	49478	2.5	13.61	Si
825	5X/2Y Ø8/14.4	-689	-30656	SLU 38	11383	38145	44292	2.5	55.36	-2461	-36535	SLU 51	11460	33497	49450	2.5	13.61	Si
845	5X/2Y Ø8/14.4	-329	-24806	SLU 39	10655	38145	43538	2.5	115.89	-847	-27498	SLU 45	10225	33497	48173	2.5	39.55	Si
879	5X/2Y Ø8/14.4	-329	-24609	SLU 39	10630	38145	43513	2.5	115.89	-847	-27301	SLU 45	10198	33497	48145	2.5	39.55	Si
913	5X/2Y Ø8/10	-329	-24412	SLU 39	10606	47384	48225	2.15	143.97	-847	-27103	SLU 45	10171	47417	48821	2.45	55.98	Si
946	5X/2Y Ø8/10	-329	-24214	SLU 39	10581	47384	48197	2.15	143.97	-847	-26906	SLU 45	10144	47417	48793	2.45	55.98	Si
980	5X/2Y Ø8/10	-329	-24020	SLU 39	10557	47384	48169	2.15	143.97	-847	-26711	SLU 45	10117	47417	48765	2.45	55.98	Si
1000	5X/2Y Ø8/10	-428	-17377	SLU 39	9730	46282	47934	2.1	108.15	-1830	-20011	SLU 51	9202	47417	47804	2.45	25.92	Si
1034	5X/2Y Ø8/10	-428	-17180	SLU 39	9705	46282	47905	2.1	108.15	-1830	-19814	SLU 51	9175	47417	47776	2.45	25.92	Si
1068	5X/2Y Ø8/10	-428	-16982	SLU 39	9681	46282	47876	2.1	108.15	-1830	-19616	SLU 51	9148	47417	47747	2.45	25.92	Si
1101	5X/2Y Ø8/14.4	-428	-16785	SLU 39	9656	38145	42505	2.5	89.13	-1830	-19419	SLU 51	9121	33497	47031	2.5	18.31	Si
1135	5X/2Y Ø8/14.4	-428	-16590	SLU 39	9632	38145	42480	2.5	89.13	-1830	-19224	SLU 51	9094	33497	47003	2.5	18.31	Si
1155	5X/2Y Ø8/14.4	-541	-12750	SLU 51	9154	38145	41986	2.5	70.57	-494	-10041	SLU 19	7839	33497	45705	2.5	67.78	Si
1189	5X/2Y Ø8/14.4	-541	-12552	SLU 51	9129	38145	41960	2.5	70.57	-494	-9889	SLU 19	7819	33497	45683	2.5	67.78	Si
1223	5X/2Y Ø8/10	-541	-12355	SLU 51	9105	46282	47206	2.1	85.63	-494	-9738	SLU 19	7798	46450	47013	2.4	93.99	Si
1256	5X/2Y Ø8/10	-541	-12158	SLU 51	9080	46282	47177	2.1	85.63	-494	-9586	SLU 19	7777	46450	46991	2.4	93.99	Si
1290	5X/2Y Ø8/10	-541	-11963	SLU 51	9056	46282	47149	2.1	85.63	-494	-9436	SLU 19	7757	46450	46969	2.4	93.99	Si
1310	2X/2Y Ø8/10	123	-4693	SLU 51	4368	21158	21391	2.4	172.54	-1448	-4693	SLU 51	4339	20959	21190	2.4	14.47	Si
1340	2X/2Y Ø8/10	123	-4605	SLU 51	4357	21158	21379	2.4	172.54	-1448	-4605	SLU 51	4328	20959	21178	2.4	14.47	Si
1370	2X/2Y Ø8/10	123	-4517	SLU 51	4346	21158	21368	2.4	172.54	-1448	-4517	SLU 51	4317	20959	21166	2.4	14.47	Si
1400	2X/2Y Ø8/14.4	123	-4430	SLU 51	4335	15258	20742	2.5	124.43	-1448	-4430	SLU 51	4307	15114	20547	2.5	10.44	Si
1430	2X/2Y Ø8/14.4	123	-4342	SLU 51	4324	15258	20731	2.5	124.43	-1448	-4342	SLU 51	4296	15114	20536	2.5	10.44	Si
1460	2X/2Y Ø8/14.4	123	-4254	SLU 51	4313	15258	20720	2.5	124.43	-1448	-4254	SLU 51	4285	15114	20525	2.5	10.44	Si
1490	2X/2Y Ø8/14.4	123	-4166	SLU 51	4302	15258	20708	2.5	124.43	-1448	-4166	SLU 51	4274	15114	20513	2.5	10.44	Si
1520	2X/2Y Ø8/14.4	123	-4079	SLU 51	4291	15258	20697	2.5	124.43	-1448	-4079	SLU 51	4263	15114	20502	2.5	10.44	Si
1550	2X/2Y Ø8/10	123	-3991	SLU 51	4280	21158	21298	2.4	172.54	-1448	-3991	SLU 51	4252	20959	21097	2.4	14.47	Si
1580	2X/2Y Ø8/10	123	-3905	SLU 51	4269	21158	21286	2.4	172.54	-1448	-3905	SLU 51	4269	21158	21286	2.4	14.61	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-1217	-68626	SLV 1	15366	50690	52153	2.3	41.66	-6420	-74176	SLV 5	15029	48385	54772	2.5	7.54	Si
-111	5X/2Y Ø8/10	-1217	-68497	SLV 1	15366	50690	52136	2.3	41.66	-6420	-74048	SLV 5	15029	48385	54754	2.5	7.54	Si
-82	5X/2Y Ø8/10	-1217	-68366	SLV 1	15366	50690	52118	2.3	41.66	-6420	-73917	SLV 5	15029	48385	54735	2.5	7.54	Si
-53	5X/2Y Ø8/10	-1217	-68235	SLV 1	15366	50690	52100	2.3	41.66	-6420	-73786	SLV 5	15029	48385	54717	2.5	7.54	Si
-24	5X/2Y Ø8/15	-1217	-68105	SLV 1	15366	36732	49115	2.5	30.19	-6420	-73655	SLV 5	15029	32257	54698	2.5	5.02	Si
5	5X/2Y Ø8/15	-1217	-67974	SLV 1	15366	36732	49098	2.5	30.19	-6420	-73524	SLV 5	15029	32257	54680	2.5	5.02	Si
35	5X/2Y Ø8/15	-1217	-67843	SLV 1	15366	36732	49081	2.5	30.19	-6420	-73393	SLV 5	15029	32257	54661	2.5	5.02	Si
64	5X/2Y Ø8/15	-1217	-67712	SLV 1	15366	36732	49064	2.5	30.19	-6420	-73262	SLV 5	15029	32257	54643	2.5	5.02	Si
93	5X/2Y Ø8/15	-1217	-67581	SLV 1	15366	36732	49047	2.5	30.19	-6420	-73131	SLV 5	15029	32257	54624	2.5	5.02	Si
122	5X/2Y Ø8/15	-1217	-67450	SLV 1	15366	36732	49031	2.5	30.19	-6420	-73001	SLV 5	15029	32257	54606	2.5	5.02	Si
151	5X/2Y Ø8/15	-1217	-67319	SLV 1	15366	36732	49014	2.5	30.19	-6420	-72870	SLV 5	15029	32257	54587	2.5	5.02	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
180	5X/2Y Ø8/15	-1217	-67190	SLV 1	15366	36732	48997	2.5	30.19	-6420	-72741	SLV 5	15029	32257	54569	2.5	5.02	Si
200	5X/2Y Ø8/15	3651	-32858	SLV 15	11657	36732	44575	2.5	10.06	3593	-58446	SLV 9	14454	32257	52548	2.5	8.98	Si
232	5X/2Y Ø8/15	3651	-32716	SLV 15	11640	36732	44557	2.5	10.06	3593	-58305	SLV 9	14435	32257	52528	2.5	8.98	Si
264	5X/2Y Ø8/10	3651	-32572	SLV 15	11622	48486	48657	2.2	13.28	3593	-58161	SLV 9	14415	48385	52508	2.5	13.47	Si
296	5X/2Y Ø8/10	3651	-32428	SLV 15	11604	48486	48636	2.2	13.28	3593	-58017	SLV 9	14396	48385	52487	2.5	13.47	Si
328	5X/2Y Ø8/10	3651	-32284	SLV 15	11586	48486	48616	2.2	13.28	3593	-57873	SLV 9	14376	48385	52467	2.5	13.47	Si
360	5X/2Y Ø8/10	3651	-32142	SLV 15	11568	48486	48596	2.2	13.28	3593	-57731	SLV 9	14357	48385	52447	2.5	13.47	Si
380	5X/2Y Ø8/10	2047	-19376	SLV 15	9979	47384	47506	2.15	23.15	-6218	-50848	SLV 5	13416	48385	51474	2.5	7.78	Si
414	5X/2Y Ø8/10	2047	-19224	SLV 15	9960	47384	47484	2.15	23.15	-6218	-50697	SLV 5	13395	48385	51452	2.5	7.78	Si
448	5X/2Y Ø8/10	2047	-19072	SLV 15	9941	47384	47462	2.15	23.15	-6218	-50545	SLV 5	13375	48385	51431	2.5	7.78	Si
481	5X/2Y Ø8/14.4	2047	-18920	SLV 15	9922	38145	42780	2.5	18.63	-6218	-50393	SLV 5	13354	33497	51410	2.5	5.39	Si
515	5X/2Y Ø8/14.4	2047	-18770	SLV 15	9903	38145	42761	2.5	18.63	-6218	-50243	SLV 5	13333	33497	51388	2.5	5.39	Si
535	5X/2Y Ø8/14.4	1455	-20642	SLV 15	10136	38145	43002	2.5	26.21	2143	-40644	SLV 5	12022	33497	50031	2.5	15.63	Si
569	5X/2Y Ø8/14.4	1455	-20492	SLV 15	10118	38145	42983	2.5	26.21	2143	-40494	SLV 5	12001	33497	50010	2.5	15.63	Si
603	5X/2Y Ø8/10	1455	-20341	SLV 15	10099	47384	47643	2.15	32.56	2143	-40342	SLV 5	11980	48385	49989	2.5	22.58	Si
636	5X/2Y Ø8/10	1455	-20189	SLV 15	10080	47384	47622	2.15	32.56	2143	-40190	SLV 5	11960	48385	49967	2.5	22.58	Si
670	5X/2Y Ø8/10	1455	-20037	SLV 15	10061	47384	47600	2.15	32.56	2143	-40038	SLV 5	11939	48385	49946	2.5	22.58	Si
690	5X/2Y Ø8/10	-2695	-31296	SLV 1	11463	47384	49208	2.15	17.58	-6741	-34145	SLV 5	11133	48385	49112	2.5	7.18	Si
724	5X/2Y Ø8/10	-2695	-31146	SLV 1	11444	47384	49187	2.15	17.58	-6741	-33995	SLV 5	11113	48385	49091	2.5	7.18	Si
758	5X/2Y Ø8/10	-2695	-30995	SLV 1	11425	47384	49165	2.15	17.58	-6741	-33844	SLV 5	11092	48385	49070	2.5	7.18	Si
791	5X/2Y Ø8/14.4	-2695	-30843	SLV 1	11406	38145	44316	2.5	14.16	-6741	-33692	SLV 5	11071	33497	49048	2.5	4.97	Si
825	5X/2Y Ø8/14.4	-2695	-30691	SLV 1	11387	38145	44296	2.5	14.16	-6741	-33540	SLV 5	11051	33497	49027	2.5	4.97	Si
845	5X/2Y Ø8/14.4	-1481	-22113	SLV 1	10320	38145	43191	2.5	25.75	-2104	-12518	SLV 11	8178	33497	46055	2.5	15.92	Si
879	5X/2Y Ø8/14.4	-1481	-21961	SLV 1	10301	38145	43172	2.5	25.75	-2104	-12366	SLV 11	8157	33497	46033	2.5	15.92	Si
913	5X/2Y Ø8/10	-1481	-21810	SLV 1	10282	47384	47853	2.15	31.99	-2104	-12214	SLV 11	8136	46450	47373	2.4	22.08	Si
946	5X/2Y Ø8/10	-1481	-21658	SLV 1	10263	47384	47832	2.15	31.99	-2104	-12062	SLV 11	8115	46450	47351	2.4	22.08	Si
980	5X/2Y Ø8/10	-1481	-21508	SLV 1	10244	47384	47810	2.15	31.99	-2104	-11913	SLV 11	8095	46450	47329	2.4	22.08	Si
1000	5X/2Y Ø8/10	-2072	-15942	SLV 1	9551	46282	47726	2.1	22.33	-6295	-17397	SLV 5	8844	47417	47429	2.45	7.53	Si
1034	5X/2Y Ø8/10	-2072	-15790	SLV 1	9532	46282	47704	2.1	22.33	-6295	-17245	SLV 5	8824	46450	48106	2.4	7.38	Si
1068	5X/2Y Ø8/10	-2072	-15638	SLV 1	9513	46282	47682	2.1	22.33	-6295	-17093	SLV 5	8803	46450	48083	2.4	7.38	Si
1101	5X/2Y Ø8/14.4	-2072	-15486	SLV 1	9494	38145	42338	2.5	18.41	-6295	-16941	SLV 5	8782	33497	46680	2.5	5.32	Si
1135	5X/2Y Ø8/14.4	-2072	-15336	SLV 1	9476	38145	42319	2.5	18.41	-6295	-16791	SLV 5	8762	33497	46659	2.5	5.32	Si
1155	5X/2Y Ø8/14.4	-1661	-6691	SLV 1	8399	38145	41205	2.5	22.97	-1473	-7161	SLV 11	7446	33497	45298	2.5	22.74	Si
1189	5X/2Y Ø8/14.4	-1661	-6539	SLV 1	8381	38145	41186	2.5	22.97	-1473	-7009	SLV 11	7425	33497	45276	2.5	22.74	Si
1223	5X/2Y Ø8/10	-1661	-6387	SLV 1	8362	46282	46340	2.1	27.87	-1473	-6857	SLV 11	7404	46450	46593	2.4	31.53	Si
1256	5X/2Y Ø8/10	-1661	-6235	SLV 1	8343	46282	46318	2.1	27.87	-1473	-6705	SLV 11	7383	46450	46571	2.4	31.53	Si
1290	5X/2Y Ø8/10	-1661	-6086	SLV 1	8324	46282	46297	2.1	27.87	-1473	-6556	SLV 11	7363	46450	46550	2.4	31.53	Si
1310	2X/2Y Ø8/10	209	-2908	SLV 15	4145	20717	21468	2.35	99.34	-1728	-3180	SLV 9	4152	20959	20991	2.4	12.13	Si
1340	2X/2Y Ø8/10	209	-2840	SLV 15	4137	20717	21458	2.35	99.34	-1728	-3113	SLV 9	4144	20959	20982	2.4	12.13	Si
1370	2X/2Y Ø8/10	209	-2773	SLV 15	4128	20717	21449	2.35	99.34	-1728	-3045	SLV 9	4136	20959	20973	2.4	12.13	Si
1400	2X/2Y Ø8/14.4	209	-2705	SLV 15	4120	15258	20520	2.5	73.16	-1728	-2978	SLV 9	4127	15114	20362	2.5	8.74	Si
1430	2X/2Y Ø8/14.4	209	-2638	SLV 15	4112	15258	20511	2.5	73.16	-1728	-2910	SLV 9	4119	15114	20353	2.5	8.74	Si
1460	2X/2Y Ø8/14.4	209	-2570	SLV 15	4103	15258	20503	2.5	73.16	-1728	-2843	SLV 9	4111	15114	20345	2.5	8.74	Si
1490	2X/2Y Ø8/14.4	209	-2503	SLV 15	4095	15258	20494	2.5	73.16	-1728	-2775	SLV 9	4102	15114	20336	2.5	8.74	Si
1520	2X/2Y Ø8/14.4	209	-2435	SLV 15	4086	15258	20485	2.5	73.16	-1728	-2708	SLV 9	4094	15114	20327	2.5	8.74	Si
1550	2X/2Y Ø8/10	209	-2368	SLV 15	4078	20717	21395	2.35	99.34	-1728	-2640	SLV 9	4086	20522	21230	2.35	11.87	Si
1580	2X/2Y Ø8/10	209	-2301	SLV 15	4070	20717	21386	2.35	99.34	-1728	-2574	SLV 9	4104	20717	21423	2.35	11.99	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-606	-57618	SLD 1	14740	55098	47764	2.5	78.86	-3238	-59783	SLD 5	14637	48385	52737	2.5	14.94	Si
-111	5X/2Y Ø8/10	-606	-57490	SLD 1	14724	55098	47748	2.5	78.83	-3238	-59654	SLD 5	14620	48385	52719	2.5	14.94	Si
-82	5X/2Y Ø8/10	-606	-57359	SLD 1	14708	55098	47731	2.5	78.81	-3238	-59523	SLD 5	14602	48385	52700	2.5	14.94	Si
-53	5X/2Y Ø8/10	-606	-57228	SLD 1	14691	55098	47714	2.5	78.78	-3238	-59392	SLD 5	14584	48385	52682	2.5	14.94	Si
-24	5X/2Y Ø8/15	-606	-57097	SLD 1	14675	36732	47697	2.5	60.65	-3238	-59261	SLD 5	14566	32257	52663	2.5	9.96	Si
5	5X/2Y Ø8/15	-606	-56966	SLD 1	14659	36732	47680	2.5	60.65	-3238	-59130	SLD 5	14548	32257	52645	2.5	9.96	Si
35	5X/2Y Ø8/15	-606	-56835	SLD 1	14642	36732	47663	2.5	60.65	-3238	-58999	SLD 5	14530	32257	52626	2.5	9.96	Si
64	5X/2Y Ø8/15	-606	-56704	SLD 1	14626	36732	47647	2.5	60.65	-3238	-58868	SLD 5	14512	32257	52608	2.5	9.96	Si
93	5X/2Y Ø8/15	-606	-56573	SLD 1	14610	36732	47630	2.5	60.65	-3238	-58738	SLD 5	14494	32257	52589	2.5	9.96	Si
122	5X/2Y Ø8/15	-606	-56442	SLD 1	14594	36732	47613	2.5	60.65	-3238	-58607	SLD 5	14476	32257	52571	2.5	9.96	Si
151	5X/2Y Ø8/15	-606	-56311	SLD 1	14577	36732	47596	2.5	60.65	-3238	-58476	SLD 5	14459	32257	52552	2.5	9.96	Si
180	5X/2Y Ø8/15	-606	-56183	SLD 1	14561	36732	47579	2.5	60.65	-3238	-58347	SLD 5	14441	32257	52534	2.5	9.96	Si
200	5X/2Y Ø8/15	1745	-40737	SLD 15	12638	36732	45590	2.5	21.05	2117	-50728	SLD 9	13400	32257	51457	2.5	15.24	Si
232	5X/2Y Ø8/15	1745	-40595	SLD 15	12621	36732	45572	2.5	21.05	2117	-50586	SLD 9	13380	32257	51437	2.5	15.24	Si
264	5X/2Y Ø8/10	1745	-40451	SLD 15	12603	55098	45553	2.5	26.1	2117	-50442	SLD 9	13361	48385	51417	2.5	22.86	Si
296	5X/2Y Ø8/10	1745	-40307	SLD 15	12585	55098	45535	2.5	26.09	2117	-50298	SLD 9	13341	48385	51396	2.5	22.86	Si
328	5X/2Y Ø8/10	1745	-40163	SLD 15	12567	55098	45516	2.5	26.08	2117	-50154	SLD 9	13321	48385	51376	2.5	22.86	Si
360	5X/2Y Ø8/10	1745	-40021	SLD 15	12549	55098	45498	2.5	26.07	2117	-50013	SLD 9	13302	48385	51356	2.5	22.86	Si
380	5X/2Y Ø8/10	965	-27656	SLD 15	11010	55098	43905	2.5	45.5	-2787	-39942	SLD 5	11926	48385	49932	2.5	17.36	Si
414	5X/2Y Ø8/10	965	-27504	SLD 15	10991	55098	43886	2.5	45.48	-2787	-39791	SLD 5	11905	48385	49911	2.5	17.36	Si
448	5X/2Y Ø8/10	965	-27352	SLD 15	10972	55098	43866	2.5	45.46	-2787	-39639	SLD 5	11884	48385	49889	2.5	17.36	Si
481	5X/2Y Ø8/14.4	965	-27200	SLD 15	10953	38145	43847	2.5	39.53	-2787	-39487	SLD 5	11863	33497	49868	2.5	12.02	Si
515	5X/2Y Ø8/14.4	965	-27050	SLD 15	10934	38145	43827	2.5	39.53	-2787	-39337	SLD 5	11843	33497	49847	2.5	12.02	Si
535	5X/2Y Ø8/14.4	697	-25746	SLD 15	10772	38145	43659	2.5	54.76	947	-33582	SLD 5	11056	33497	49033	2.5	35.36	Si
569	5X/2Y Ø8/14.4	697	-25597	SLD 15	10753	38145	43640	2.5	54.76	947	-33433	SLD 5	11036	33497	49012	2.5	35.36	Si
603	5X/2Y Ø8/10	697	-25445	SLD 15	10734	55098	43621	2.5	62.62	947	-33281	SLD 5	11015	48385	48990	2.5	51.08	Si
636	5X/2Y Ø8/10	697	-25293	SLD 15	10715	55098	43601	2.5	62.59	947	-33129	SLD 5	10994	48385	48969	2.5	51.08	Si
670	5X/2Y Ø8/10	697	-25141	SLD 15	10697	55098	43581	2.5	62.56	947	-32977	SLD 5	10974	48385	48947	2.5	51.08	Si
690	5X/2Y Ø8/10	-1253	-25882	SLD 1	10789	55098	43677	2.5	34.85	-3482	-27000	SLD 5	10157	48385	48102	2.5	13.81	Si
724	5X/2Y Ø8/10	-1253	-25733	SLD 1	10770	55098	43658	2.5	34.84	-3482	-26851	SLD 5	10136	48385	48081	2.5	13.81	Si
758	5X/2Y Ø8/10	-1253	-25581	SLD 1	10751	55098	43638	2.5	34.82	-3482	-26699	SLD 5	10116	48385	48060	2.5	13.8	Si
791	5X/2Y Ø8/14.4	-1253	-25429	SLD 1	10732	38145	43619	2.5	30.44	-3482	-26547	SLD 5	10095	33497	48038	2.5	9.62	Si
825	5X/2Y Ø8/14.4	-1253	-25277	SLD 1	10713	38145	43599	2.5	30.44	-3482	-26395	SLD 5	10074	33497	48017	2.5	9.62	Si
845	5X/2Y Ø8/14.4	-692	-19724	SLD 1	10022	38145	42884	2.5	55.16	-1017	-15947	SLD 11	8646	33497	46540	2.5	32.94	Si
879	5X/2Y Ø8/14.4	-692	-19572	SLD 1	10003	38145	42864	2.5	55.16	-1017	-15795	SLD 11	8626	33497	46518	2.5	32.94	Si
913	5X/2Y Ø8/10	-692	-19420	SLD 1	9984	53996	43472	2.45	62.86	-1017	-15643	SLD 11	8605	48385	46497	2.5	45.73	Si
946	5X/2Y Ø8/10	-692	-19269	SLD 1	9965	53996	43452	2.45	62.84	-1017	-15491	SLD 11	8584	48385	46475	2.5	45.71	Si
980	5X/2Y Ø8/10	-692	-19119	SLD 1	9947	53996	43432	2.45	62.81	-1017	-15341	SLD 11	8564	48385	46454	2.5	45.69	Si
1000	5X/2Y Ø8/10	-896	-13347	SLD 1	9228	53996	42678	2.45	47.63	-3120	-13919	SLD 5	8369	48385	46253	2.5	14.83	Si
1034	5X/2Y Ø8/10	-896	-13195	SLD 1	9209	53996	42658	2.45	47.6	-3120	-13768	SLD 5	8349	48385	46232	2.5	14.82	Si
1068	5X/2Y Ø8/10	-896	-13043	SLD 1	9190	53996	42638	2.45	47.58	-3120	-13616	SLD 5	8328	48385	46210	2.5	14.81	Si
1101	5X/2Y Ø8/14.4	-896	-12891	SLD 1	9171	38145	42004	2.5	42.57	-3120	-13464	SLD 5	8307	33497	46189	2.5	10.74	Si
1135	5X/2Y Ø8/14.4	-896	-12741	SLD 1	9153	38145	41984	2.5	42.57	-3120	-13314	SLD 5	8287	33497	46167	2.5	10.74	Si
1155	5X/2Y Ø8/14.4	-854	-7133	SLD 1	8454	38145	41262	2.5	44.68	-668	-7322	SLD 11	7468	33497	45320	2.5	50.15	Si
1189	5X/2Y Ø8/14.4	-854	-6981	SLD 1	8436	38145	41243	2.5	44.68	-668	-7170	SLD 11	7447	33497	45299	2.5	50.15	Si
1223	5X/2Y Ø8/10	-854	-6829	SLD 1	8417	53996	41826	2.45	48.99	-668	-7018	SLD 11	7426	48385	45277	2.5	67.78	Si
1256	5X/2Y Ø8/10	-854	-6677	SLD 1	8398	53996	41807	2.45	48.96	-668	-6866	SLD 11	7405	48385	45256	2.5	67.75	Si
1290	5X/2Y Ø8/10	-854	-6528	SLD 1	8379	53996	41787	2.45	48.94	-668	-6716	SLD 11	7385	48385	45235	2.5	67.72	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	2X/2Y Ø8/10	132	-2819	SLD 15	4134	22039	20535	2.5	155.18	-1182	-2925	SLD 9	4121	21832	20355	2.5	17.23	Si
1340	2X/2Y Ø8/10	132	-2752	SLD 15	4126	22039	20526	2.5	155.11	-1182	-2858	SLD 9	4113	21832	20347	2.5	17.22	Si
1370	2X/2Y Ø8/10	132	-2684	SLD 15	4117	22039	20517	2.5	155.05	-1182	-2790	SLD 9	4104	21832	20338	2.5	17.21	Si
1400	2X/2Y Ø8/14.4	132	-2617	SLD 15	4109	15258	20509	2.5	115.3	-1182	-2723	SLD 9	4096	15114	20329	2.5	12.79	Si
1430	2X/2Y Ø8/14.4	132	-2549	SLD 15	4101	15258	20500	2.5	115.3	-1182	-2655	SLD 9	4088	15114	20321	2.5	12.79	Si
1460	2X/2Y Ø8/14.4	132	-2482	SLD 15	4092	15258	20491	2.5	115.3	-1182	-2588	SLD 9	4079	15114	20312	2.5	12.79	Si
1490	2X/2Y Ø8/14.4	132	-2414	SLD 15	4084	15258	20483	2.5	115.3	-1182	-2520	SLD 9	4071	15114	20303	2.5	12.79	Si
1520	2X/2Y Ø8/14.4	132	-2347	SLD 15	4075	15258	20474	2.5	115.3	-1182	-2453	SLD 9	4063	15114	20295	2.5	12.79	Si
1550	2X/2Y Ø8/10	132	-2279	SLD 15	4067	22039	20465	2.5	154.65	-1182	-2385	SLD 9	4054	21832	20286	2.5	17.17	Si
1580	2X/2Y Ø8/10	132	-2213	SLD 15	4059	22039	20457	2.5	154.59	-1182	-2319	SLD 9	4072	22039	20470	2.5	17.32	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	314349	-40457	-54316	SLE RA 7	-44.4	324778	-14095	-58164	SLE RA 13	-617.3	Si
-111	277952	-20451	-58035	SLE RA 13	-42.7	277952	-20451	-58035	SLE RA 13	-594.7	Si
-82	230307	-26918	-57904	SLE RA 13	-40.9	230307	-26918	-57904	SLE RA 13	-571.6	Si
-53	182661	-33385	-57774	SLE RA 13	-39.2	182661	-33385	-57774	SLE RA 13	-548.6	Si
-24	135016	-39852	-57643	SLE RA 13	-37.5	135016	-39852	-57643	SLE RA 13	-525.5	Si
5	87371	-46320	-57512	SLE RA 13	-35.7	87371	-46320	-57512	SLE RA 13	-502.5	Si
35	39726	-52787	-57381	SLE RA 13	-34	39726	-52787	-57381	SLE RA 13	-479.4	Si
64	-7919	-59254	-57250	SLE RA 13	-33	-7919	-59254	-57250	SLE RA 13	-465.6	Si
93	-55565	-65721	-57119	SLE RA 13	-35.8	-55565	-65721	-57119	SLE RA 13	-498.2	Si
122	-103210	-72188	-56988	SLE RA 13	-38.6	-103210	-72188	-56988	SLE RA 13	-530.9	Si
151	-150855	-78656	-56857	SLE RA 13	-41.4	-150855	-78656	-56857	SLE RA 13	-563.5	Si
180	-197681	-85012	-56729	SLE RA 13	-44.1	-197681	-85012	-56729	SLE RA 13	-595.5	Si
200	-2454	48653	-53171	SLE RA 12	-29.9	-2454	48653	-53171	SLE RA 12	-424.3	Si
232	41458	67739	-53029	SLE RA 12	-33.4	41458	67739	-53029	SLE RA 12	-462.6	Si
264	86067	87127	-52885	SLE RA 12	-37.2	86067	87127	-52885	SLE RA 12	-504.8	Si
296	102810	134712	-52407	SLE RA 13	-42.1	102810	134712	-52407	SLE RA 13	-553.2	Si
328	147839	176951	-52263	SLE RA 13	-48.1	147839	176951	-52263	SLE RA 13	-615.8	Si
360	158644	257634	-48895	SLE RA 7	-54.3	192164	218530	-52121	SLE RA 13	-677.5	Si
380	-57375	-116743	-38526	SLE RA 12	-31.7	-57375	-116743	-38526	SLE RA 12	-411.7	Si
414	-82908	-109497	-38374	SLE RA 12	-32.2	-82908	-109497	-38374	SLE RA 12	-419.1	Si
448	-108441	-102251	-38222	SLE RA 12	-32.7	-108441	-102251	-38222	SLE RA 12	-426.5	Si
481	-133974	-95005	-38070	SLE RA 12	-33.2	-133974	-95005	-38070	SLE RA 12	-434	Si
515	-159129	-87866	-37920	SLE RA 12	-33.6	-159129	-87866	-37920	SLE RA 12	-441.3	Si
535	41241	75679	-33498	SLE RA 13	-24.8	41241	75679	-33498	SLE RA 13	-330.1	Si
569	47301	76304	-33349	SLE RA 13	-25.1	47301	76304	-33349	SLE RA 13	-333.1	Si
603	53452	76939	-33197	SLE RA 13	-25.4	53452	76939	-33197	SLE RA 13	-336.2	Si
636	56851	80055	-33262	SLE RA 12	-25.8	56851	80055	-33262	SLE RA 12	-341.4	Si
670	63366	85016	-33110	SLE RA 12	-26.5	63366	85016	-33110	SLE RA 12	-348.5	Si
690	104623	-39808	-26324	SLE RA 13	-21.1	104623	-39808	-26324	SLE RA 13	-284.2	Si
724	50385	-53354	-26175	SLE RA 13	-19.7	50385	-53354	-26175	SLE RA 13	-263.4	Si
758	-14167	-65232	-26231	SLE RA 12	-19.1	-14167	-65232	-26231	SLE RA 12	-253.2	Si
791	-73492	-81264	-26079	SLE RA 12	-23.3	-73492	-81264	-26079	SLE RA 12	-300.9	Si
825	-132817	-97297	-25927	SLE RA 12	-27.5	-132817	-97297	-25927	SLE RA 12	-348.7	Si
845	83941	65889	-21232	SLE RA 13	-20.1	83941	65889	-21232	SLE RA 13	-258.8	Si
879	65827	58645	-21080	SLE RA 13	-18.5	65827	58645	-21080	SLE RA 13	-240.8	Si
913	47713	51401	-20929	SLE RA 13	-16.9	47713	51401	-20929	SLE RA 13	-222.7	Si
946	29599	44158	-20777	SLE RA 13	-15.3	29599	44158	-20777	SLE RA 13	-204.6	Si
980	16275	35631	-20733	SLE RA 12	-13.9	16275	35631	-20733	SLE RA 12	-189	Si
1000	64691	-39185	-14292	SLE RA 12	-13.4	64691	-39185	-14292	SLE RA 12	-174.4	Si
1034	20561	-46780	-14140	SLE RA 12	-12	20561	-46780	-14140	SLE RA 12	-154.3	Si
1068	-23568	-54375	-13988	SLE RA 12	-12.7	-23568	-54375	-13988	SLE RA 12	-161.7	Si
1101	-67698	-61970	-13837	SLE RA 12	-15.5	-67698	-61970	-13837	SLE RA 12	-193.1	Si
1135	-111174	-69452	-13687	SLE RA 12	-18.1	-111174	-69452	-13687	SLE RA 12	-224	Si
1155	112005	90641	-9056	SLE RA 13	-17.9	112005	90641	-9056	SLE RA 13	-210.2	Si
1189	102735	78761	-8904	SLE RA 13	-16.3	102735	78761	-8904	SLE RA 13	-193.2	Si
1223	93465	66880	-8752	SLE RA 13	-14.7	93465	66880	-8752	SLE RA 13	-176.2	Si
1256	84194	55000	-8600	SLE RA 13	-13.1	84194	55000	-8600	SLE RA 13	-159.2	Si
1290	75061	43295	-8450	SLE RA 13	-10.7	77544	41589	-8481	SLE RA 12	-132	Si
1310	97888	-24663	-3378	SLE RA 12	-37.2	97888	-24663	-3378	SLE RA 12	486.4	Si
1340	67111	-22088	-3310	SLE RA 12	-19.5	67111	-22088	-3310	SLE RA 12	-205.1	Si
1370	36335	-19512	-3243	SLE RA 12	-13.4	36335	-19512	-3243	SLE RA 12	-145.3	Si
1400	5558	-16936	-3175	SLE RA 12	-7	5558	-16936	-3175	SLE RA 12	-83.3	Si
1430	-25218	-14361	-3108	SLE RA 12	-10.2	-25403	-13331	-3253	SLE RA 8	-114.7	Si
1460	-55995	-11785	-3040	SLE RA 12	-15.6	-55825	-10935	-3186	SLE RA 8	-165.7	Si
1490	-86771	-9210	-2973	SLE RA 12	-33.3	-86771	-9210	-2973	SLE RA 12	591.5	Si
1520	-117548	-6634	-2905	SLE RA 12	-43.3	-117548	-6634	-2905	SLE RA 12	880.3	Si
1550	-148325	-4059	-2838	SLE RA 12	-53.1	-148325	-4059	-2838	SLE RA 12	1170.1	Si
1580	-178588	-1526	-2771	SLE RA 12	-56.3	-178588	-1526	-2771	SLE RA 12	1221.3	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	231853	10417	-50585	SLE QP 2	-36	Si
-111	198282	4612	-50457	SLE QP 2	-33.8	Si
-82	164123	-1296	-50326	SLE QP 2	-31.8	Si
-53	129964	-7203	-50195	SLE QP 2	-30.7	Si
-24	95806	-13110	-50064	SLE QP 2	-29.6	Si
5	61647	-19017	-49933	SLE QP 2	-28.4	Si
35	27488	-24924	-49802	SLE QP 2	-27.3	Si
64	-6670	-30832	-49671	SLE QP 2	-26.8	Si
93	-40829	-36739	-49540	SLE QP 2	-28.9	Si
122	-74988	-42646	-49409	SLE QP 2	-31	Si
151	-109146	-48553	-49279	SLE QP 2	-33.1	Si
180	-142718	-54359	-49150	SLE QP 2	-35.1	Si
200	-4289	39022	-45783	SLE QP 2	-25.6	Si
232	32646	55360	-45641	SLE QP 2	-28.3	Si
264	70166	71957	-45497	SLE QP 2	-31.6	Si
296	107687	88554	-45353	SLE QP 2	-34.8	Si
328	145208	105151	-45209	SLE QP 2	-38	Si
360	182142	121489	-45068	SLE QP 2	-41.2	Si
380	-48545	-100823	-32957	SLE QP 2	-27.2	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
414	-68552	-92665	-32805	SLE QP 2	-27.3	Si
448	-88558	-84508	-32653	SLE QP 2	-27.5	Si
481	-108565	-76351	-32501	SLE QP 2	-27.6	Si
515	-128275	-68315	-32351	SLE QP 2	-27.7	Si
535	27475	52213	-29034	SLE QP 2	-19.9	Si
569	33484	57779	-28885	SLE QP 2	-20.6	Si
603	39584	63429	-28733	SLE QP 2	-21.3	Si
636	45684	69079	-28581	SLE QP 2	-22.1	Si
670	51784	74730	-28429	SLE QP 2	-22.8	Si
690	82513	-34473	-22399	SLE QP 2	-17.7	Si
724	36202	-44729	-22249	SLE QP 2	-16.4	Si
758	-10807	-55139	-22097	SLE QP 2	-16.1	Si
791	-57815	-65550	-21945	SLE QP 2	-19.2	Si
825	-104823	-75960	-21793	SLE QP 2	-22.3	Si
845	57245	51329	-18171	SLE QP 2	-16.1	Si
879	46657	46616	-18019	SLE QP 2	-15	Si
913	36070	41904	-17867	SLE QP 2	-14	Si
946	25482	37191	-17716	SLE QP 2	-13	Si
980	15052	32548	-17566	SLE QP 2	-12	Si
1000	52039	-36718	-11664	SLE QP 2	-11.4	Si
1034	16440	-40829	-11512	SLE QP 2	-10	Si
1068	-19158	-44941	-11360	SLE QP 2	-10.4	Si
1101	-54757	-49053	-11208	SLE QP 2	-12.4	Si
1135	-89828	-53104	-11059	SLE QP 2	-14.4	Si
1155	80706	75490	-7425	SLE QP 2	-14.3	Si
1189	75640	65077	-7273	SLE QP 2	-13	Si
1223	70574	54664	-7121	SLE QP 2	-11.7	Si
1256	65508	44252	-6969	SLE QP 2	-10.5	Si
1290	60518	33993	-6820	SLE QP 2	-8.5	Si
1310	77669	-20072	-2756	SLE QP 2	-29.6	Si
1340	53318	-17974	-2689	SLE QP 2	-15.6	Si
1370	28968	-15876	-2621	SLE QP 2	-10.8	Si
1400	4617	-13779	-2554	SLE QP 2	-5.7	Si
1430	-19734	-11681	-2486	SLE QP 2	-8.1	Si
1460	-44084	-9583	-2419	SLE QP 2	-12.3	Si
1490	-68435	-7485	-2351	SLE QP 2	-16.5	Si
1520	-92786	-5388	-2284	SLE QP 2	-34.2	Si
1550	-117136	-3290	-2216	SLE QP 2	-42	Si
1580	-141081	-1227	-2150	SLE QP 2	-44.5	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

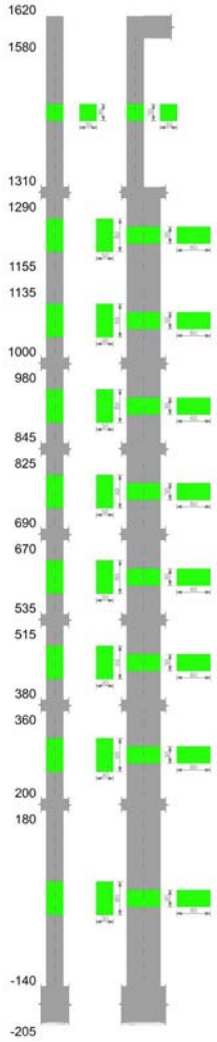
Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 190 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1600 in quanto elemento di estremità superiore alla pilastrata.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 1145 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 525 in quanto nodo interno a piastra.
per il nodo Appoggio 835 in quanto nodo interno a piastra.

Pilastro 28

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	180	R 30x60	No	No	No	No		C30/37	B450C	
200	360	R 30x60	No	No	No	No		C30/37	B450C	
380	515	R 30x60	No	No	No	No		C30/37	B450C	
535	670	R 30x60	No	No	No	No		C30/37	B450C	
690	825	R 30x60	No	No	No	No		C30/37	B450C	
845	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1135	R 30x60	No	No	No	No		C30/37	B450C	
1155	1290	R 30x60	No	No	No	No		C30/37	B450C	
1310	1580	R 30x30 1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.5	-9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.6	9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.6	-9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.8	-9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.8	-9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.8	9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.8	9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.9	-9.67	-24.67	1.6	2.011	1310	1620	R 30x30_1	B450C
p.9	9.67	-24.67	1.6	2.011	1310	1620	R 30x30_1	B450C
p.9	9.67	-5.33	1.6	2.011	1310	1620	R 30x30_1	B450C
p.9	-9.67	-5.33	1.6	2.011	1310	1620	R 30x30_1	B450C
p.10	-9.9	-15	1.6	2.011	1310	1620	R 30x30_1	B450C
p.10	9.9	-15	1.6	2.011	1310	1620	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	415990	-171839	-85919	1438221	-594105	SLU 51	3.457	Si
-111	20.11	2.2	0	1,2	359585	-171504	-85752	1274557	-607900	SLU 51	3.545	Si
-82	20.11	1.1	0	2	302193	-171164	-85582	1097811	-621805	SLU 51	3.633	Si
-53	20.11	1.1	0	2	244802	-170823	-85412	909407	-634587	SLU 51	3.715	Si
-24	20.11	1.1	0	2	180906	-170824	-85412	684073	-645948	SLU 52	3.781	Si
5	20.11	1.1	0	2	170483	-170483	-85242	647491	-647491	SLU 52	3.798	Si
35	20.11	1.1	0	2	170143	-170143	-85071	647491	-647491	SLU 52	3.806	Si
64	20.11	1.1	0	2	169803	169803	-84901	647491	647491	SLU 52	3.813	Si
93	20.11	1.1	0	2	-169462	169462	-84731	-647491	647491	SLU 52	3.821	Si
122	20.11	1.1	0	2	-169122	169122	-84561	-647491	647491	SLU 52	3.829	Si
151	20.11	1.1	0	2	-168781	168781	-84391	-647491	647491	SLU 52	3.836	Si
180	20.11	1.1	0	2	-213344	168106	-84053	-812160	639947	SLU 51	3.807	Si
200	20.11	1.1	0	2	-168252	-166565	-83282	-653785	-647228	SLU 51	3.886	Si
232	20.11	1.1	0	2	-166196	-166196	-83098	-647491	-647491	SLU 51	3.896	Si
264	20.11	1.1	0	2	-165822	-165822	-82911	-647491	-647491	SLU 51	3.905	Si
296	20.11	1.1	0	2	165447	-165447	-82724	647491	-647491	SLU 51	3.914	Si
328	20.11	1.1	0	2	165073	-165073	-82537	647491	-647491	SLU 51	3.922	Si
360	20.11	1.1	0	2	238555	-164704	-82352	918404	-634089	SLU 51	3.85	Si
380	20.11	2.2	0	2,3	-130846	204907	-65423	-591300	925983	SLU 52	4.519	Si
414	20.11	2.2	0	2,3	-130452	177325	-65226	-611312	830965	SLU 52	4.686	Si
448	20.11	1.1	0	3	-130057	149742	-65028	-632298	728002	SLU 52	4.862	Si
481	20.11	1.1	0	3	-129752	129752	-64876	-647491	647491	SLU 51	4.99	Si
515	20.11	1.1	0	3	-129357	129357	-64679	-647491	647491	SLU 51	5.005	Si
535	20.11	1.1	0	3	119837	-127672	-59919	641006	-682914	SLU 51	5.349	Si
569	20.11	1.1	0	3	141141	-130656	-59721	748356	-692764	SLU 51	5.302	Si
603	20.11	1.1	0	3	165173	-133640	-59524	866764	-701290	SLU 51	5.248	Si
636	20.11	1.1	0	3	189205	-136623	-59326	980337	-707894	SLU 51	5.181	Si
670	20.11	1.1	0	3	213237	-139607	-59129	1090576	-714004	SLU 51	5.114	Si
690	20.11	2.2	0	3,4	-101563	186812	-41956	-639210	1175736	SLU 52	6.294	Si
724	20.11	2.2	0	3,4	-106340	159943	-41759	-704729	1059960	SLU 52	6.627	Si
758	20.11	1.1	0	4	-114238	132582	-41586	-798004	926145	SLU 51	6.985	Si
791	20.11	1.1	0	4	-122732	109587	-41388	-893582	797879	SLU 51	7.281	Si
825	20.11	1.1	0	4	-131225	86592	-41191	-994560	656283	SLU 51	7.579	Si
845	20.11	1.1	0	4	155094	-123438	-35806	1179949	-939108	SLU 52	7.608	Si
879	20.11	1.1	0	4	159117	-134636	-35611	1180914	-999220	SLU 52	7.422	Si
913	20.11	1.1	0	4	163201	-146002	-35414	1181610	-1057087	SLU 52	7.24	Si
946	20.11	1.1	0	4	167284	-157368	-35217	1178861	-1108984	SLU 52	7.047	Si
980	20.11	1.1	0	4	171367	-168734	-35019	1175394	-1157334	SLU 52	6.859	Si
1000	20.11	2.2	0	4,5,6,8	-135546	153116	-17754	-1257037	1419975	SLU 52	9.274	Si
1034	20.11	2.2	0	4,5,6,8	-137791	141129	-17557	-1340022	1372492	SLU 52	9.725	Si
1068	20.11	1.1	0	5,6,8	-142870	128409	-17372	-1455896	1308540	SLU 51	10.19	Si
1101	20.11	1.1	0	5,6,8	-148933	115729	-17175	-1585240	1231815	SLU 51	10.644	Si
1135	20.11	1.1	0	5,6,8	-154997	103049	-16977	-1724137	1146283	SLU 51	11.124	Si
1155	20.11	1.1	0	5,6,8	153145	-112342	-10924	1707554	-1252603	SLU 52	11.15	Si
1189	20.11	1.1	0	5,6,8	122121	-99033	-10727	1604789	-1301399	SLU 52	13.141	Si
1223	20.11	1.1	0	5,6,8	91096	-85725	-10529	1430246	-1345912	SLU 52	15.7	Si
1256	20.11	1.1	0	5,6,8	60072	-72416	-10332	1140920	-1375373	SLU 52	18.993	Si
1290	31.04	2.5	0	5,6,7,8	29047	-59107	-10134	751746	-1529711	SLU 52	25.88	Si
1310	20.11	3.6	0	5,7,9,10	57618	26764	-3840	781826	363163	SLU 51	13.569	Si
1340	15.34	3.6	0	5,7,9,10	33015	23950	-3753	645003	467898	SLU 51	19.537	Si
1370	12.06	1.3	0	9,10	8412	21136	-3665	267880	673053	SLU 51	31.845	Si
1400	12.06	1.3	0	9,10	-16365	17071	-3816	-478067	498670	SLU 47	29.212	Si
1430	12.06	1.3	0	9,10	-40794	15507	-3489	-734190	279094	SLU 51	17.998	Si
1460	12.06	1.3	0	9,10	-65397	12693	-3402	-753053	146163	SLU 51	11.515	Si
1490	12.06	1.3	0	9,10	-89999	9879	-3314	-718989	78921	SLU 51	7.989	Si
1520	12.06	1.3	0	9,10	-114602	7065	-3226	-692299	42677	SLU 51	6.041	Si
1550	12.06	1.3	0	9,10	-139205	6277	-3138	-659513	29738	SLU 51	4.738	Si
1580	14.29	2.2	0	9,10	-163808	6101	-3051	-734252	27349	SLU 51	4.482	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	1150290	-86186	-68211	-2.02	1.92	2552210	-191226	SLV 5	2.219				Si
-111	20.11	2.2	0	1,2	808236	-223547	-73399	-2.02	1.92	1956502	-541141	SLV 9	2.421				Si
-82	20.11	1.1	0	2	720763	-198325	-73268	-2.02	1.92	1891965	-520591	SLV 9	2.625				Si
-53	20.11	1.1	0	2	633290	-173824	-73137	-2.02	1.92	1801106	-494364	SLV 9	2.844				Si
-24	20.11	1.1	0	2	707519	127399	-67690	-2.02	1.92	2076571	373916	SLV 5	2.935				Si
5	20.11	1.1	0	2	596687	134207	-67559	-2.02	1.92	1876251	422005	SLV 5	3.144				Si
35	20.11	1.1	0	2	486146	122464	-67428	-2.02	1.92	1667583	420076	SLV 5	3.43				Si
64	20.11	1.1	0	2	371116	114063	-67297	-2.02	1.92	1385976	425981	SLV 5	3.735				Si
93	20.11	1.1	0	2	266967	45505	-72483	-2.02	1.92	1094971	186640	SLV 9	4.102				Si
122	20.11	1.1	0	2	159822	57398	-72352	-2.02	1.92	699859	251344	SLV 9	4.379				Si
151	20.11	1.1	0	2	57793	72966	-72221	-2.02	1.92	263489	332666	SLV 9	4.559				Si
180	20.11	1.1	0	2	-67932	126056	-66776	-2.02	1.92	-306155	568110	SLV 5	4.507				Si
200	20.11	1.1	0	2	231525	-179346	-66830	-2.02	1.92	877805	-679976	SLV 9	3.791				Si
232	20.11	1.1	0	2	167974	-139181	-66688	-2.02	1.92	698036	-578385	SLV 9	4.156				Si
264	20.11	1.1	0	2	110063	-101729	-66544	-2.02	1.92	501693	-463708	SLV 9	4.558				Si
296	20.11	1.1	0	2	39886	-77193	-66400	-2.02	1.92	197791	-382791	SLV 9	4.959				Si
328	20.11	1.1	0	2	-59539	-63965	-66256	-2.02	1.92	-295885	-317884	SLV 9	4.97				Si
360	20.11	1.1	0	2	-58491	-150614	-61914	-2.02	1.92	-270207	-695781	SLV 5	4.62				Si
380	20.11	2.2	0	2,3	-184131	29034	-56041	-2.02	1.92	-1006361	158684	SLV 9	5.465				Si
414	20.11	2.2	0	2,3	-154700	98184	-55889	-2.02	1.92	-781408	495938	SLV 9	5.051				Si
448	20.11	1.1	0	3	-137673	123746	-55737	-2.02	1.92	-677819	609247	SLV 9	4.923				Si
481	20.11	1.1	0	3	4716	159094	-55585	-2.02	1.92	23994	809464	SLV 9	5.088				Si
515	20.11	1.1	0	3	10926	197045	-55433	-2.02	1.92	52073	939122	SLV 9	4.766				Si
535	20.11	1.1	0	3	467981	-120867	-47055	-2.02	1.92	1923201	-496712	SLV 5	4.11				Si
569	20.11	1.1	0	3	314927	-114327	-46903	-2.02	1.92	1514907	-549952	SLV 5	4.81				Si
603	20.11	1.1	0	3	183197	-130390	-46751	-2.02	1.92	966500	-687905	SLV 5	5.276				Si
636	20.11	1.1	0	3	127391	-167017	-42985	-2.02	1.92	692057	-907327	SLV 1	5.433				Si
670	20.11	1.1	0	3	-179161	-176010	-46447	-2.02	1.92	-877729	-862293	SLV 5	4.899				Si
690	20.11	2.2	0	3,4	-203347	174129	-23248	-2.02	1.92	-1195205	1023470	SLV 1	5.878				Si
724	20.11	2.2	0	3,4	-214257	106859	-33299	-2.02	1.92	-1382501	689512	SLV 5	6.453				Si
758	20.11	1.1	0	4	-173424	121386	-33147	-2.02	1.92	-1138934	797184	SLV 5	6.567				Si
791	20.11	1.1	0	4	-123010	147940	-35761	-2.02	1.92	-772232	928732	SLV 9	6.278				Si
825	20.11	1.1	0	4	5488	185817	-35609	-2.02	1.92	35171	1190960	SLV 9	6.409				Si
845	20.11	1.1	0	4	441200	-176483	-25292	-2.02	1.92	1788235	-715304	SLV 9	4.053				Si
879	20.11	1.1	0	4	275035	-145291	-25142	-2.02	1.92	1574595	-831804	SLV 9	5.725				Si
913	20.11	1.1	0	4	104967	-132947	-26488	-2.02	1.92	807470	-1022711	SLV 5	7.693				Si
946	20.11	1.1	0	4	-90338	-156993	-26336	-2.02	1.92	-655245	-1138714	SLV 5	7.253				Si
980	20.11	1.1	0	4	-258760	-200713	-26184	-2.02	1.92	-1275957	-989725	SLV 5	4.931				Si
1000	20.11	2.2	0	4,5,6,8	116187	173476	-4832	-2.02	1.92	611222	912604	SLV 7	5.261				Si
1034	20.11	2.2	0	4,5,6,8	-210117	110571	-9397	-2.02	1.92	-1523679	801810	SLV 1	7.252				Si
1068	20.11	1.1	0	5,6,8	-162975	117659	-15576	-2.02	1.92	-1333516	962725	SLV 9	8.182				Si
1101	20.11	1.1	0	5,6,8	-134325	156495	-15425	-2.02	1.92	-966402	1125901	SLV 9	7.195				Si
1135	20.11	1.1	0	5,6,8	-105457	186427	-13463	-2.02	1.92	-694847	1228350	SLV 13	6.589				Si
1155	20.11	1.1	0	5,6,8	442888	-121942	-7379	-2.02	1.92	1459582	-401873	SLV 5	3.296				Si
1189	20.11	1.1	0	5,6,8	293178	-96230	-7227	-2.02	1.92	1603222	-526224	SLV 5	5.468				Si
1223	20.11	1.1	0	5,6,8	156665	-86250	-7075	-2.02	1.92	1487145	-818734	SLV 5	9.493				Si
1256	20.11	1.1	0	5,6,8	107211	-86510	-6842	-2.02	1.92	1212078	-978045	SLV 3	11.306				Si
1290	31.04	2.5	0	5,6,7,8	234914	-108714	-5454	-2.02	1.92	1659401	-767945	SLV 7	7.064				Si
1310	20.11	3.6	0	5,7,9,10	179292	45391	-2739	-2.02	1.92	637612	161424	SLV 7	3.556				Si
1340	15.34	3.6	0	5,7,9,10	145947	40701	-2671	-2.02	1.92	527043	146981	SLV 7	3.611				Si
1370	12.06	1.3	0	9,10	113116	36012	-2604	-2.02	1.92	443449	141177	SLV 7	3.92				Si
1400	12.06	1.3	0	9,10	-99819	-10457	-1610	-2.02	1.92	-459403	-48129	SLV 9	4.602				Si
1430	12.06	1.3	0	9,10	-96635	-1335	-1752	-2.02	1.92	-488047	-6743	SLV 5	5.05				Si
1460	12.06	1.3	0	9,10	-96179	-1243	-1685	-2.02	1.92	-485100	-6271	SLV 5	5.044				Si
1490	12.06	1.3	0	9,10	-100711	-1152	-1617	-2.02	1.92	-478124	-5468	SLV 5	4.747				Si
1520	12.06	1.3	0	9,10	-113025	-1061	-1550	-2.02	1.92	-467075	-4384	SLV 5	4.132				Si
1550	12.06	1.3	0	9,10	-133793	-971	-1482	-2.02	1.92	-455148	-3305	SLV 5	3.402				Si
1580	14.29	2.2	0	9,10	-160543	-927	-1415	-2.02	1.92	-532391	-3076	SLV 5	3.316				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	491954	-107753	-60128	1815450	-397638	SLD 9	3.69	Si
-111	20.11	2.2	0	1,2	438823	-95513	-59999	1711355	-372490	SLD 9	3.9	Si
-82	20.11	1.1	0	2	384767	-83260	-59868	1586402	-343283	SLD 9	4.123	Si
-53	20.11	1.1	0	2	330715	-71294	-59737	1441725	-310803	SLD 9	4.359	Si
-24	20.11	1.1	0	2	340261	49461	-57529	1549706	225268	SLD 5	4.554	Si
5	20.11	1.1	0	2	277006	54537	-57398	1322190	260313	SLD 5	4.773	Si
35	20.11	1.1	0	2	213880	52331	-57267	1082233	264794	SLD 5	5.06	Si
64	20.11	1.1	0	2	149019	51434	-57136	801294	276567	SLD 5	5.377	Si
93	20.11	1.1	0	2	88471	26930	-59083	493055	150082	SLD 9	5.573	Si
122	20.11	1.1	0	2	26849	33968	-58952	149965	189725	SLD 9	5.585	Si
151	20.11	1.1	0	2	-32503	42412	-58821	-181948	237414	SLD 9	5.598	Si
180	20.11	1.1	0	2	-100256	65598	-56615	-554008	362493	SLD 5	5.526	Si
200	20.11	1.1	0	2	30013	-74798	-56412	173370	-432067	SLD 9	5.776	Si
232	20.11	1.1	0	2	33529	-63783	-56271	196196	-373230	SLD 9	5.852	Si
264	20.11	1.1	0	2	41031	-54276	-56127	240711	-318411	SLD 9	5.867	Si
296	20.11	1.1	0	2	40567	-50779	-55983	238598	-298665	SLD 9	5.882	Si
328	20.11	1.1	0	2	24834	-50334	-55839	146442	-296811	SLD 9	5.897	Si
360	20.11	1.1	0	2	149469	-105326	-48050	833059	-587028	SLD 1	5.573	Si
380	20.11	2.2	0	2,3	-93935	65359	-45624	-618582	430407	SLD 9	6.585	Si
414	20.11	2.2	0	2,3	-89877	88158	-45472	-568242	557378	SLD 9	6.322	Si
448	20.11	1.1	0	3	-90307	87561	-45320	-572828	555411	SLD 9	6.343	Si
481	20.11	1.1	0	3	-27730	91564	-45168	-185168	611433	SLD 9	6.678	Si
515	20.11	1.1	0	3	-34160	97147	-45016	-224575	638675	SLD 9	6.574	Si
535	20.11	1.1	0	3	222335	-89734	-40153	1334544	-538621	SLD 5	6.002	Si
569	20.11	1.1	0	3	171901	-89020	-40001	1092233	-565619	SLD 5	6.354	Si
603	20.11	1.1	0	3	132645	-98684	-39849	862660	-641791	SLD 5	6.504	Si
636	20.11	1.1	0	3	115199	-116366	-38284	753493	-761127	SLD 1	6.541	Si
670	20.11	1.1	0	3	37544	-135839	-38133	253583	-917488	SLD 1	6.754	Si
690	20.11	2.2	0	3,4	-115216	133316	-24229	-900672	1042167	SLD 1	7.817	Si
724	20.11	2.2	0	3,4	-124390	97532	-28072	-1012156	793612	SLD 5	8.137	Si
758	20.11	1.1	0	4	-112592	95174	-27920	-940919	795362	SLD 5	8.357	Si
791	20.11	1.1	0	4	-94912	96232	-28852	-794955	806011	SLD 9	8.376	Si
825	20.11	1.1	0	4	-36598	102548	-28701	-324913	910406	SLD 9	8.878	Si
845	20.11	1.1	0	4	223612	-110003	-22852	1597340	-785789	SLD 9	7.143	Si
879	20.11	1.1	0	4	161850	-102279	-22702	1336877	-844818	SLD 9	8.26	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
913	20.11	1.1	0	4	96811	-102522	-23142	889860	-942355	SLD 5	9.192	Si
946	20.11	1.1	0	4	42045	-124252	-22363	393667	-1163365	SLD 1	9.363	Si
980	20.11	1.1	0	4	200935	-83641	-19075	1723149	-717277	SLD 7	8.576	Si
1000	20.11	2.2	0	4,5,6,8	-146625	110641	-10035	-1275765	962676	SLD 1	8.701	Si
1034	20.11	2.2	0	4,5,6,8	-129416	95586	-9883	-1305168	963996	SLD 1	10.085	Si
1068	20.11	1.1	0	5,6,8	-113182	92262	-12227	-1235114	1006820	SLD 9	10.913	Si
1101	20.11	1.1	0	5,6,8	-106426	101633	-12075	-1114095	1063920	SLD 9	10.468	Si
1135	20.11	1.1	0	5,6,8	-94536	108215	-11214	-980101	1121918	SLD 13	10.367	Si
1155	20.11	1.1	0	5,6,8	225609	-87849	-6805	1640420	-638757	SLD 5	7.271	Si
1189	20.11	1.1	0	5,6,8	158018	-72395	-6654	1627553	-745651	SLD 5	10.3	Si
1223	20.11	1.1	0	5,6,8	97266	-64022	-6502	1391111	-915658	SLD 5	14.302	Si
1256	20.11	1.1	0	5,6,8	67532	-58089	-6290	1192743	-1025960	SLD 3	17.662	Si
1290	31.04	2.5	0	5,6,7,8	107129	-62903	-5629	1657307	-973116	SLD 7	15.47	Si
1310	20.11	3.6	0	5,7,9,10	94216	29192	-2485	643243	199303	SLD 7	6.827	Si
1340	15.34	3.6	0	5,7,9,10	71633	26165	-2417	570173	208261	SLD 7	7.96	Si
1370	12.06	1.3	0	9,10	49302	23137	-2350	510471	239563	SLD 7	10.354	Si
1400	12.06	1.3	0	9,10	-46094	754	-1864	-622578	10188	SLD 9	13.507	Si
1430	12.06	1.3	0	9,10	-52320	3982	-1885	-574862	43752	SLD 5	10.987	Si
1460	12.06	1.3	0	9,10	-60119	3185	-1817	-545803	28912	SLD 5	9.079	Si
1490	12.06	1.3	0	9,10	-70841	2387	-1750	-518678	17477	SLD 5	7.322	Si
1520	12.06	1.3	0	9,10	-85684	1589	-1682	-494810	9178	SLD 5	5.775	Si
1550	12.06	1.3	0	9,10	-104145	791	-1615	-476184	3618	SLD 5	4.572	Si
1580	14.29	2.2	0	9,10	-124719	-28	-1547	-552756	-125	SLD 5	4.432	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	868	-80442	SLU 46	15366	51792	52691	2.35	59.65	-1973	-85919	SLU 51	15029	48385	55356	2.5	24.53	Si
-111	5X/2Y Ø8/10	868	-80275	SLU 46	15366	51792	52691	2.35	59.65	-1973	-85752	SLU 51	15029	48385	55356	2.5	24.53	Si
-82	5X/2Y Ø8/10	868	-80104	SLU 46	15366	51792	52691	2.35	59.65	-1973	-85582	SLU 51	15029	48385	55356	2.5	24.53	Si
-53	5X/2Y Ø8/10	868	-79934	SLU 46	15366	51792	52691	2.35	59.65	-1973	-85412	SLU 51	15029	48385	55356	2.5	24.53	Si
-24	5X/2Y Ø8/15	868	-79764	SLU 46	15366	36732	50429	2.5	42.31	-1973	-85241	SLU 51	15029	32257	55356	2.5	16.35	Si
5	5X/2Y Ø8/15	868	-79594	SLU 46	15366	36732	50429	2.5	42.31	-1973	-85071	SLU 51	15029	32257	55356	2.5	16.35	Si
35	5X/2Y Ø8/15	868	-79424	SLU 46	15366	36732	50429	2.5	42.31	-1973	-84901	SLU 51	15029	32257	55356	2.5	16.35	Si
64	5X/2Y Ø8/15	868	-79254	SLU 46	15366	36732	50429	2.5	42.31	-1973	-84731	SLU 51	15029	32257	55356	2.5	16.35	Si
93	5X/2Y Ø8/15	868	-79083	SLU 46	15366	36732	50429	2.5	42.31	-1973	-84561	SLU 51	15029	32257	55356	2.5	16.35	Si
122	5X/2Y Ø8/15	868	-78913	SLU 46	15366	36732	50429	2.5	42.31	-1973	-84391	SLU 51	15029	32257	55356	2.5	16.35	Si
151	5X/2Y Ø8/15	868	-78743	SLU 46	15366	36732	50429	2.5	42.31	-1973	-84220	SLU 51	15029	32257	55356	2.5	16.35	Si
180	5X/2Y Ø8/15	868	-78576	SLU 46	15366	36732	50429	2.5	42.31	-1973	-84053	SLU 51	15029	32257	55356	2.5	16.35	Si
200	5X/2Y Ø8/15	471	-42121	SLU 3	12811	36732	45768	2.5	77.93	2569	-82736	SLU 49	15029	32257	55356	2.5	12.55	Si
232	5X/2Y Ø8/15	471	-41979	SLU 3	12793	36732	45750	2.5	77.93	2569	-82551	SLU 49	15029	32257	55356	2.5	12.55	Si
264	5X/2Y Ø8/10	471	-41835	SLU 3	12775	48486	49960	2.2	102.86	2569	-82364	SLU 49	15029	48385	55356	2.5	18.83	Si
296	5X/2Y Ø8/10	471	-41691	SLU 3	12757	48486	49940	2.2	102.86	2569	-82177	SLU 49	15029	48385	55356	2.5	18.83	Si
328	5X/2Y Ø8/10	471	-41547	SLU 3	12739	48486	49920	2.2	102.86	2569	-81990	SLU 49	15029	48385	55356	2.5	18.83	Si
360	5X/2Y Ø8/10	471	-41405	SLU 3	12721	48486	49900	2.2	102.86	2569	-81805	SLU 49	15029	48385	55356	2.5	18.83	Si
380	5X/2Y Ø8/10	-826	-64878	SLU 50	15366	50690	51641	2.3	61.37	-557	-64923	SLU 49	15029	48385	53464	2.5	86.8	Si
414	5X/2Y Ø8/10	-826	-64681	SLU 50	15366	50690	51614	2.3	61.37	-557	-64726	SLU 49	15029	48385	53436	2.5	86.8	Si
448	5X/2Y Ø8/10	-826	-64483	SLU 50	15366	50690	51587	2.3	61.37	-557	-64529	SLU 49	15029	48385	53408	2.5	86.8	Si
481	5X/2Y Ø8/14.4	-826	-64286	SLU 50	15366	38145	48623	2.5	46.18	-557	-64331	SLU 49	15029	33497	53380	2.5	60.1	Si
515	5X/2Y Ø8/14.4	-826	-64089	SLU 50	15366	38145	48598	2.5	46.18	-557	-64134	SLU 49	15029	33497	53352	2.5	60.1	Si
535	5X/2Y Ø8/14.4	-517	-45765	SLU 41	13264	38145	46238	2.5	73.72	731	-59406	SLU 49	14586	33497	52684	2.5	45.86	Si
569	5X/2Y Ø8/14.4	-517	-45567	SLU 41	13240	38145	46212	2.5	73.72	731	-59208	SLU 49	14559	33497	52656	2.5	45.86	Si
603	5X/2Y Ø8/10	-516	-39922	SLU 15	12537	48486	49691	2.2	93.98	731	-59011	SLU 49	14532	48385	52628	2.5	66.24	Si
636	5X/2Y Ø8/10	-516	-39770	SLU 15	12518	48486	49670	2.2	93.98	731	-58813	SLU 49	14505	48385	52600	2.5	66.24	Si
670	5X/2Y Ø8/10	-516	-39619	SLU 15	12499	48486	49648	2.2	93.98	731	-58616	SLU 49	14478	48385	52572	2.5	66.24	Si
690	5X/2Y Ø8/10	-838	-38464	SLU 45	12355	48486	49486	2.2	57.85	-252	-41981	SLU 51	12204	48385	50220	2.5	192.26	Si
724	5X/2Y Ø8/10	-838	-38266	SLU 45	12331	48486	49458	2.2	57.85	-252	-41783	SLU 51	12177	48385	50192	2.5	192.26	Si
758	5X/2Y Ø8/10	-838	-38069	SLU 45	12306	48486	49430	2.2	57.85	-252	-41586	SLU 51	12150	48385	50164	2.5	192.26	Si
791	5X/2Y Ø8/14.4	-838	-37872	SLU 45	12281	38145	45221	2.5	45.51	-252	-41388	SLU 51	12123	33497	50137	2.5	133.1	Si
825	5X/2Y Ø8/14.4	-838	-37674	SLU 45	12257	38145	45196	2.5	45.51	-252	-41191	SLU 51	12096	33497	50109	2.5	133.1	Si
845	5X/2Y Ø8/14.4	-348	-32875	SLU 45	11659	38145	44578	2.5	109.65	292	-31913	SLU 23	10828	33497	48797	2.5	114.64	Si
879	5X/2Y Ø8/14.4	-348	-32681	SLU 45	11635	38145	44552	2.5	109.65	292	-31763	SLU 23	10808	33497	48776	2.5	114.64	Si
913	5X/2Y Ø8/10	-345	-26752	SLU 41	10897	47384	48559	2.15	137.31	292	-31612	SLU 23	10787	48385	48754	2.5	165.59	Si
946	5X/2Y Ø8/10	-345	-26554	SLU 41	10872	47384	48531	2.15	137.31	292	-31460	SLU 23	10766	48385	48733	2.5	165.59	Si
980	5X/2Y Ø8/10	-345	-26357	SLU 41	10848	47384	48503	2.15	137.31	292	-31308	SLU 23	10746	48385	48711	2.5	165.59	Si
1000	5X/2Y Ø8/10	-385	-17303	SLU 49	9721	46282	47923	2.1	120.37	-228	-15296	SLU 23	8557	46450	47822	2.4	203.72	Si
1034	5X/2Y Ø8/10	-385	-17106	SLU 49	9696	46282	47894	2.1	120.37	-228	-15144	SLU 23	8537	46450	47800	2.4	203.72	Si
1068	5X/2Y Ø8/10	-385	-16908	SLU 49	9672	46282	47866	2.1	120.37	-228	-14992	SLU 23	8516	46450	47778	2.4	203.72	Si
1101	5X/2Y Ø8/14.4	-385	-16711	SLU 49	9647	38145	42496	2.5	99.2	-228	-14841	SLU 23	8495	33497	46383	2.5	146.92	Si
1135	5X/2Y Ø8/14.4	-385	-16513	SLU 49	9622	38145	42470	2.5	99.2	-228	-14689	SLU 23	8474	33497	46362	2.5	146.92	Si
1155	5X/2Y Ø8/14.4	472	-10955	SLU 51	8930	38145	41754	2.5	80.81	-922	-10510	SLU 50	7903	33497	45771	2.5	36.32	Si
1189	5X/2Y Ø8/14.4	472	-10758	SLU 51	8906	38145	41729	2.5	80.81	-922	-10313	SLU 50	7876	33497	45743	2.5	36.32	Si
1223	5X/2Y Ø8/10	472	-10560	SLU 51	8881	46282	46945	2.1	98.05	-922	-10115	SLU 50	7849	46450	47068	2.4	50.36	Si
1256	5X/2Y Ø8/10	472	-10363	SLU 51	8857	46282	46917	2.1	98.05	-922	-9918	SLU 50	7822	46450	47039	2.4	50.36	Si
1290	5X/2Y Ø8/10	472	-10166	SLU 51	8832	46282	46888	2.1	98.05	-922	-9720	SLU 50	7795	46450	47010	2.4	50.36	Si
1310	2X/2Y Ø8/10	-94	-3840	SLU 51	4261	21158	21278	2.4	225.55	-823	-4080	SLU 47	4263	20959	21109	2.4	25.46	Si
1340	2X/2Y Ø8/10	-94	-3753	SLU 51	4250	21158	21266	2.4	225.55	-823	-3992	SLU 47	4253	20959	21097	2.4	25.46	Si
1370	2X/2Y Ø8/10	-94	-3665	SLU 51	4240	21158	21254	2.4	225.55	-823	-3904	SLU 47	4242	20959	21086	2.4	25.46	Si
1400	2X/2Y Ø8/14.4	-94	-3577	SLU 51	4229	15258	20632	2.5	162.66	-823	-3816	SLU 47	4231	15114	20469	2.5	18.36	Si
1430	2X/2Y Ø8/14.4	-94	-3489	SLU 51	4218	15258	20621	2.5	162.66	-823	-3729	SLU 47	4220	15114	20458	2.5	18.36	Si
1460	2X/2Y Ø8/14.4	-94	-3402	SLU 51	4207	15258	20610	2.5	162.66	-823	-3641	SLU 47	4209	15114	20446	2.5	18.36	Si
1490	2X/2Y Ø8/14.4	-94	-3314	SLU 51	4196	15258	20599	2.5	162.66	-823	-3553	SLU 47	4198	15114	20435	2.5	18.36	Si
1520	2X/2Y Ø8/14.4	-94	-3226	SLU 51	4185	15258	20587	2.5	162.66	-823	-3465	SLU 47	4188	15114	20424	2.5	18.36	Si
1550	2X/2Y Ø8/10	-93	-2744	SLU 49	4125	20717	21446	2.35	223.92	-823	-3378	SLU 47	4177	20959	21017	2.4	25.46	Si
1580	2X/2Y Ø8/10	-93	-2656	SLU 49	4114	20717	21434	2.35	223.92	-823	-3290	SLU 47	4193	21158	21205	2.4	25.71	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	1050	-66214	SLV 13	15366	50690	51824	2.3	48.26	-3836	-68211	SLV 5	15029	48385	53929	2.5	12.61	Si
-111	5X/2Y Ø8/10	1050	-66085	SLV 13	15366	50690	51806	2.3	48.26	-3836	-68083	SLV 5	15029	48385	53910	2.5	12.61	Si
-82	5X/2Y Ø8/10	1050	-65954	SLV 13	15366	50690	51788	2.3	48.26	-3836	-67952	SLV 5	15029	48385	53892	2.5	12.61	Si
-53	5X/2Y Ø8/10	1050	-65823	SLV 13	15366	50690	51770	2.3	48.26	-3836	-67821	SLV 5	15029	48385	53873	2.5	12.61	Si
-24	5X/2Y Ø8/15	1050	-65692	SLV 13	15366	36732	48804	2.5	34.97	-3836	-67690	SLV 5	15029	32257	53855	2.5	8.41	Si
5	5X/2Y Ø8/15	1050	-65561	SLV 13	15366	36732	48787	2.5	34.97	-3836	-67559	SLV 5	15029	32257	53836	2.5	8.41	Si
35	5X/2Y Ø8/15	1050	-65430	SLV 13	15366	36732	48770	2.5	34.97	-3836	-67428	SLV 5	15029	32257	53818	2.5	8.41	Si
64	5X/2Y Ø8/15	1050	-65300	SLV 13	15366	36732	48754	2.5	34.97	-3836	-67297	SLV 5	15029	32257	53799	2.5	8.41	Si
93	5X/2Y Ø8/15	1050	-65169	SLV 13	15366	36732	48737	2.5	34.97	-3836	-67166	SLV 5	15029	32257	53781	2.5	8.41	Si
122	5X/2Y Ø8/15	1050	-65038	SLV 13	15366	36732	48720	2.5	34.97	-3836	-67035	SLV 5	15029	32257	53762	2.5	8.41	Si
151	5X/2Y Ø8/15	1050	-64907	SLV 13	15366	36732	48703	2.5	34.97	-3836	-66904	SLV 5	15029	32257	53744	2.5	8.41	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
180	5X/2Y Ø8/15	1050	-64778	SLV 13	15366	36732	48686	2.5	34.97	-3836	-66776	SLV 5	15029	32257	53726	2.5	8.41	Si
200	5X/2Y Ø8/15	-2484	-38250	SLV 3	12329	36732	45270	2.5	14.79	5060	-32661	SLV 7	10931	32257	48903	2.5	6.38	Si
232	5X/2Y Ø8/15	-2484	-38108	SLV 3	12311	36732	45251	2.5	14.79	5060	-32519	SLV 7	10911	32257	48883	2.5	6.38	Si
264	5X/2Y Ø8/10	-2484	-37964	SLV 3	12293	48486	49415	2.2	19.52	5060	-32375	SLV 7	10892	48385	48862	2.5	9.56	Si
296	5X/2Y Ø8/10	-2484	-37820	SLV 3	12275	48486	49395	2.2	19.52	5060	-32231	SLV 7	10872	48385	48842	2.5	9.56	Si
328	5X/2Y Ø8/10	-2484	-37676	SLV 3	12257	48486	49375	2.2	19.52	5060	-32087	SLV 7	10852	48385	48822	2.5	9.56	Si
360	5X/2Y Ø8/10	-2484	-37534	SLV 3	12239	48486	49355	2.2	19.52	5060	-31946	SLV 7	10833	48385	48801	2.5	9.56	Si
380	5X/2Y Ø8/10	-2078	-21871	SLV 7	10289	47384	47862	2.15	22.8	-1876	-26020	SLV 11	10023	47417	48666	2.45	25.27	Si
414	5X/2Y Ø8/10	-2078	-21719	SLV 7	10271	47384	47840	2.15	22.8	-1876	-25868	SLV 11	10002	47417	48644	2.45	25.27	Si
448	5X/2Y Ø8/10	-2078	-21567	SLV 7	10252	47384	47819	2.15	22.8	-1876	-25716	SLV 11	9981	47417	48622	2.45	25.27	Si
481	5X/2Y Ø8/14.4	-2078	-21416	SLV 7	10233	38145	43102	2.5	18.35	-1876	-25565	SLV 11	9961	33497	47899	2.5	17.85	Si
515	5X/2Y Ø8/14.4	-2078	-21264	SLV 7	10214	38145	43082	2.5	18.35	-1876	-25413	SLV 11	9940	33497	47878	2.5	17.85	Si
535	5X/2Y Ø8/14.4	-1415	-37492	SLV 3	12234	38145	45172	2.5	26.95	5489	-24373	SLV 11	9798	33497	47731	2.5	6.1	Si
569	5X/2Y Ø8/14.4	-1415	-37340	SLV 3	12215	38145	45153	2.5	26.95	5489	-24222	SLV 11	9777	33497	47710	2.5	6.1	Si
603	5X/2Y Ø8/10	-1415	-37188	SLV 3	12196	48486	49306	2.2	34.26	5489	-24070	SLV 11	9756	47417	48386	2.45	8.64	Si
636	5X/2Y Ø8/10	-1415	-37036	SLV 3	12177	48486	49285	2.2	34.26	5489	-23918	SLV 11	9736	47417	48364	2.45	8.64	Si
670	5X/2Y Ø8/10	-1415	-36885	SLV 3	12159	48486	49264	2.2	34.26	5489	-23766	SLV 11	9715	47417	48343	2.45	8.64	Si
690	5X/2Y Ø8/10	-2062	-13515	SLV 7	9249	46282	47374	2.1	22.44	-1801	-16280	SLV 11	8692	46450	47965	2.4	25.79	Si
724	5X/2Y Ø8/10	-2062	-13363	SLV 7	9230	46282	47352	2.1	22.44	-1801	-16129	SLV 11	8671	46450	47943	2.4	25.79	Si
758	5X/2Y Ø8/10	-2062	-13212	SLV 7	9211	46282	47330	2.1	22.44	-1801	-15977	SLV 11	8650	46450	47921	2.4	25.79	Si
791	5X/2Y Ø8/14.4	-2062	-13060	SLV 7	9192	38145	42025	2.5	18.5	-1801	-15825	SLV 11	8630	33497	46522	2.5	18.6	Si
825	5X/2Y Ø8/14.4	-2062	-12908	SLV 7	9173	38145	42006	2.5	18.5	-1801	-15673	SLV 11	8609	33497	46501	2.5	18.6	Si
845	5X/2Y Ø8/14.4	-2010	-22330	SLV 3	10347	38145	43219	2.5	18.98	5361	-15743	SLV 11	8618	33497	46511	2.5	6.25	Si
879	5X/2Y Ø8/14.4	-2010	-22180	SLV 3	10328	38145	43200	2.5	18.98	5361	-15593	SLV 11	8598	33497	46490	2.5	6.25	Si
913	5X/2Y Ø8/10	-2010	-22028	SLV 3	10309	47384	47884	2.15	23.58	5361	-15441	SLV 11	8577	46450	47843	2.4	8.66	Si
946	5X/2Y Ø8/10	-2010	-21876	SLV 3	10290	47384	47863	2.15	23.58	5361	-15289	SLV 11	8556	46450	47821	2.4	8.66	Si
980	5X/2Y Ø8/10	-2010	-21725	SLV 3	10271	47384	47841	2.15	23.58	5361	-15137	SLV 11	8536	46450	47799	2.4	8.66	Si
1000	5X/2Y Ø8/10	-1859	-4832	SLV 7	8168	45180	46812	2.05	24.31	-2353	-6188	SLV 11	7313	46450	46496	2.4	19.74	Si
1034	5X/2Y Ø8/10	-1859	-4680	SLV 7	8149	45180	46790	2.05	24.31	-2353	-6036	SLV 11	7292	46450	46474	2.4	19.74	Si
1068	5X/2Y Ø8/10	-1859	-4528	SLV 7	8130	45180	46768	2.05	24.31	-2353	-5885	SLV 11	7271	46450	46452	2.4	19.74	Si
1101	5X/2Y Ø8/14.4	-1859	-4376	SLV 7	8111	38145	40907	2.5	20.52	-2353	-5733	SLV 11	7250	33497	45096	2.5	14.24	Si
1135	5X/2Y Ø8/14.4	-1859	-4224	SLV 7	8092	38145	40887	2.5	20.52	-2353	-5581	SLV 11	7230	33497	45074	2.5	14.24	Si
1155	5X/2Y Ø8/14.4	1579	-5478	SLV 13	8248	38145	41049	2.5	24.15	-4576	-6714	SLV 9	7385	33497	45234	2.5	7.32	Si
1189	5X/2Y Ø8/14.4	1579	-5326	SLV 13	8230	38145	41029	2.5	24.15	-4576	-6562	SLV 9	7364	33497	45213	2.5	7.32	Si
1223	5X/2Y Ø8/10	1579	-5174	SLV 13	8211	45180	46863	2.05	28.61	-4576	-6411	SLV 9	7343	46450	46528	2.4	10.15	Si
1256	5X/2Y Ø8/10	1579	-5022	SLV 13	8192	45180	46840	2.05	28.61	-4576	-6259	SLV 9	7322	46450	46506	2.4	10.15	Si
1290	5X/2Y Ø8/10	1579	-4870	SLV 13	8173	45180	46818	2.05	28.61	-4576	-6107	SLV 9	7302	46450	46484	2.4	10.15	Si
1310	2X/2Y Ø8/10	-156	-2739	SLV 7	4124	20717	21445	2.35	132.49	-1157	-2739	SLV 7	4098	20522	21243	2.35	17.74	Si
1340	2X/2Y Ø8/10	-156	-2671	SLV 7	4116	20717	21436	2.35	132.49	-1157	-2671	SLV 7	4090	20522	21234	2.35	17.74	Si
1370	2X/2Y Ø8/10	-156	-2604	SLV 7	4107	20717	21427	2.35	132.49	-1157	-2604	SLV 7	4081	20522	21225	2.35	17.74	Si
1400	2X/2Y Ø8/14.4	-156	-2536	SLV 7	4099	15258	20498	2.5	97.58	-1157	-2536	SLV 7	4073	15114	20305	2.5	13.07	Si
1430	2X/2Y Ø8/14.4	-156	-2469	SLV 7	4091	15258	20490	2.5	97.58	-1157	-2469	SLV 7	4065	15114	20297	2.5	13.07	Si
1460	2X/2Y Ø8/14.4	-156	-2401	SLV 7	4082	15258	20481	2.5	97.58	-1157	-2401	SLV 7	4056	15114	20288	2.5	13.07	Si
1490	2X/2Y Ø8/14.4	-156	-2334	SLV 7	4074	15258	20472	2.5	97.58	-1157	-2334	SLV 7	4048	15114	20280	2.5	13.07	Si
1520	2X/2Y Ø8/14.4	-156	-2266	SLV 7	4065	15258	20464	2.5	97.58	-1157	-2266	SLV 7	4040	15114	20271	2.5	13.07	Si
1550	2X/2Y Ø8/10	-156	-2199	SLV 7	4057	20717	21372	2.35	132.49	-1157	-2199	SLV 7	4031	20522	21171	2.35	17.74	Si
1580	2X/2Y Ø8/10	-156	-2131	SLV 7	4049	20717	21363	2.35	132.49	-1157	-2131	SLV 7	4049	20717	21363	2.35	17.91	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	496	-57281	SLD 13	14698	55098	47721	2.5	96.17	-2186	-58050	SLD 5	14400	48385	52492	2.5	22.13	Si
-111	5X/2Y Ø8/10	496	-57153	SLD 13	14682	55098	47704	2.5	96.14	-2186	-57921	SLD 5	14383	48385	52474	2.5	22.13	Si
-82	5X/2Y Ø8/10	496	-57022	SLD 13	14666	55098	47687	2.5	96.11	-2186	-57790	SLD 5	14365	48385	52455	2.5	22.13	Si
-53	5X/2Y Ø8/10	496	-56891	SLD 13	14649	55098	47671	2.5	96.07	-2186	-57660	SLD 5	14347	48385	52437	2.5	22.13	Si
-24	5X/2Y Ø8/15	496	-56760	SLD 13	14633	36732	47654	2.5	74.03	-2186	-57529	SLD 5	14329	32257	52418	2.5	14.76	Si
5	5X/2Y Ø8/15	496	-56629	SLD 13	14617	36732	47637	2.5	74.03	-2186	-57398	SLD 5	14311	32257	52400	2.5	14.76	Si
35	5X/2Y Ø8/15	496	-56498	SLD 13	14600	36732	47620	2.5	74.03	-2186	-57267	SLD 5	14293	32257	52381	2.5	14.76	Si
64	5X/2Y Ø8/15	496	-56367	SLD 13	14584	36732	47603	2.5	74.03	-2186	-57136	SLD 5	14275	32257	52363	2.5	14.76	Si
93	5X/2Y Ø8/15	496	-56236	SLD 13	14568	36732	47586	2.5	74.03	-2186	-57005	SLD 5	14258	32257	52344	2.5	14.76	Si
122	5X/2Y Ø8/15	496	-56105	SLD 13	14552	36732	47569	2.5	74.03	-2186	-56874	SLD 5	14240	32257	52326	2.5	14.76	Si
151	5X/2Y Ø8/15	496	-55974	SLD 13	14535	36732	47553	2.5	74.03	-2186	-56743	SLD 5	14222	32257	52307	2.5	14.76	Si
180	5X/2Y Ø8/15	496	-55846	SLD 13	14519	36732	47536	2.5	74.03	-2186	-56615	SLD 5	14204	32257	52289	2.5	14.76	Si
200	5X/2Y Ø8/15	-1132	-45258	SLD 3	13201	36732	46172	2.5	32.44	2890	-43079	SLD 7	12354	32257	50375	2.5	11.16	Si
232	5X/2Y Ø8/15	-1132	-45116	SLD 3	13183	36732	46154	2.5	32.44	2890	-42937	SLD 7	12335	32257	50355	2.5	11.16	Si
264	5X/2Y Ø8/10	-1132	-44972	SLD 3	13165	55098	46135	2.5	40.74	2890	-42793	SLD 7	12315	48385	50335	2.5	16.74	Si
296	5X/2Y Ø8/10	-1132	-44828	SLD 3	13148	55098	46117	2.5	40.73	2890	-42649	SLD 7	12296	48385	50315	2.5	16.74	Si
328	5X/2Y Ø8/10	-1132	-44684	SLD 3	13130	55098	46098	2.5	40.71	2890	-42505	SLD 7	12276	48385	50294	2.5	16.74	Si
360	5X/2Y Ø8/10	-1132	-44542	SLD 3	13112	55098	46080	2.5	40.69	2890	-42363	SLD 7	12257	48385	50274	2.5	16.74	Si
380	5X/2Y Ø8/10	-1103	-32288	SLD 7	11586	55098	44502	2.5	40.34	-941	-33910	SLD 11	11101	48385	49079	2.5	51.43	Si
414	5X/2Y Ø8/10	-1103	-32136	SLD 7	11567	55098	44482	2.5	40.32	-941	-33758	SLD 11	11080	48385	49058	2.5	51.43	Si
448	5X/2Y Ø8/10	-1103	-31984	SLD 7	11549	55098	44463	2.5	40.3	-941	-33606	SLD 11	11060	48385	49036	2.5	51.43	Si
481	5X/2Y Ø8/14.4	-1103	-31833	SLD 7	11530	38145	44443	2.5	34.58	-941	-33454	SLD 11	11039	33497	49015	2.5	35.6	Si
515	5X/2Y Ø8/14.4	-1103	-31681	SLD 7	11511	38145	44424	2.5	34.58	-941	-33302	SLD 11	11018	33497	48993	2.5	35.6	Si
535	5X/2Y Ø8/14.4	-635	-36412	SLD 3	12100	38145	45033	2.5	60.11	2391	-31275	SLD 11	10741	33497	48707	2.5	14.01	Si
569	5X/2Y Ø8/14.4	-635	-36260	SLD 3	12081	38145	45013	2.5	60.11	2391	-31123	SLD 11	10720	33497	48685	2.5	14.01	Si
603	5X/2Y Ø8/10	-635	-36108	SLD 3	12062	55098	44994	2.5	70.9	2391	-30972	SLD 11	10700	48385	48664	2.5	20.23	Si
636	5X/2Y Ø8/10	-635	-35956	SLD 3	12043	55098	44974	2.5	70.87	2391	-30820	SLD 11	10679	48385	48642	2.5	20.23	Si
670	5X/2Y Ø8/10	-635	-35804	SLD 3	12024	55098	44955	2.5	70.84	2391	-30668	SLD 11	10658	48385	48621	2.5	20.23	Si
690	5X/2Y Ø8/10	-1073	-20424	SLD 7	10109	53996	43603	2.45	40.63	-797	-21508	SLD 11	9406	48385	47326	2.5	59.41	Si
724	5X/2Y Ø8/10	-1073	-20272	SLD 7	10090	53996	43583	2.45	40.61	-797	-21356	SLD 11	9386	48385	47304	2.5	59.39	Si
758	5X/2Y Ø8/10	-1073	-20120	SLD 7	10071	53996	43563	2.45	40.59	-797	-21204	SLD 11	9365	48385	47283	2.5	59.36	Si
791	5X/2Y Ø8/14.4	-1073	-19968	SLD 7	10052	38145	42915	2.5	35.55	-797	-21052	SLD 11	9344	33497	47261	2.5	42.05	Si
825	5X/2Y Ø8/14.4	-1073	-19816	SLD 7	10034	38145	42896	2.5	35.55	-797	-20900	SLD 11	9323	33497	47240	2.5	42.05	Si
845	5X/2Y Ø8/14.4	-939	-21687	SLD 3	10267	38145	43137	2.5	40.61	2165	-19088	SLD 11	9076	33497	46984	2.5	15.47	Si
879	5X/2Y Ø8/14.4	-939	-21538	SLD 3	10248	38145	43117	2.5	40.61	2165	-18939	SLD 11	9055	33497	46963	2.5	15.47	Si
913	5X/2Y Ø8/10	-939	-21386	SLD 3	10229	53996	43729	2.45	46.56	2165	-18787	SLD 11	9034	48385	46941	2.5	21.68	Si
946	5X/2Y Ø8/10	-939	-21234	SLD 3	10210	53996	43709	2.45	46.53	2165	-18635	SLD 11	9014	48385	46920	2.5	21.67	Si
980	5X/2Y Ø8/10	-939	-21082	SLD 3	10191	53996	43689	2.45	46.51	2165	-18483	SLD 11	8993	48385	46898	2.5	21.66	Si
1000	5X/2Y Ø8/10	-895	-8181	SLD 7	8585	53996	42003	2.45	46.91	-983	-8717	SLD 11	7658	48385	45517	2.5	46.3	Si
1034	5X/2Y Ø8/10	-895	-8029	SLD 7	8566	53996	41983	2.45	46.89	-983	-8565	SLD 11	7637	48385	45496	2.5	46.28	Si
1068	5X/2Y Ø8/10	-895	-7877	SLD 7	8547	53996	41963	2.45	46.87	-983	-8413	SLD 11	7617	48385	45475	2.5	46.26	Si
1101	5X/2Y Ø8/14.4	-895	-7725	SLD 7	8528	38145	41338	2.5	42.61	-983	-8261	SLD 11	7596	33497	45453	2.5	34.07	Si
1135	5X/2Y Ø8/14.4	-895	-7573	SLD 7	8509	38145	41319	2.5	42.61	-983	-8109	SLD 11	7575	33497	45432	2.5	34.07	Si
1155	5X/2Y Ø8/14.4	781	-6030	SLD 13	8317	38145	41120	2.5	48.87	-2083	-6539	SLD 9	7361	33497	45210	2.5	16.08	Si
1189	5X/2Y Ø8/14.4	781	-5878	SLD 13	8298	38145	41100	2.5	48.87	-2083	-6387	SLD 9	7340	33497	45188	2.5	16.08	Si
1223	5X/2Y Ø8/10	781	-5726	SLD 13	8279	53996	41682	2.45	53.4	-2083	-6236	SLD 9	7319	48385	45167	2.5	21.68	Si
1256	5X/2Y Ø8/10	781	-5574	SLD 13	8260	53996	41662	2.45	53.38	-2083	-6084	SLD 9	7298	48385	45145	2.5	21.67	Si
1290	5X/2Y Ø8/10	781	-5422	SLD 13	8241	53996	41642	2.45	53.35	-2083	-5932	SLD 9	7278	48385	45124	2.5	21.66	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	2X/2Y Ø8/10	-101	-2485	SLD 7	4093	22039	20492	2.5	203.05	-773	-2485	SLD 7	4067	21832	20299	2.5	26.26	Si
1340	2X/2Y Ø8/10	-101	-2417	SLD 7	4084	22039	20483	2.5	202.96	-773	-2417	SLD 7	4058	21832	20290	2.5	26.25	Si
1370	2X/2Y Ø8/10	-101	-2350	SLD 7	4076	22039	20474	2.5	202.88	-773	-2350	SLD 7	4050	21832	20282	2.5	26.24	Si
1400	2X/2Y Ø8/14.4	-101	-2282	SLD 7	4067	15258	20466	2.5	151.19	-773	-2282	SLD 7	4042	15114	20273	2.5	19.55	Si
1430	2X/2Y Ø8/14.4	-101	-2215	SLD 7	4059	15258	20457	2.5	151.19	-773	-2215	SLD 7	4033	15114	20264	2.5	19.55	Si
1460	2X/2Y Ø8/14.4	-101	-2147	SLD 7	4051	15258	20448	2.5	151.19	-773	-2147	SLD 7	4025	15114	20256	2.5	19.55	Si
1490	2X/2Y Ø8/14.4	-101	-2080	SLD 7	4042	15258	20440	2.5	151.19	-773	-2080	SLD 7	4017	15114	20247	2.5	19.55	Si
1520	2X/2Y Ø8/14.4	-101	-2012	SLD 7	4034	15258	20431	2.5	151.19	-773	-2012	SLD 7	4008	15114	20239	2.5	19.55	Si
1550	2X/2Y Ø8/10	-101	-1945	SLD 7	4025	22039	20422	2.5	202.36	-773	-1945	SLD 7	4000	21832	20230	2.5	26.17	Si
1580	2X/2Y Ø8/10	-101	-1877	SLD 7	4017	22039	20413	2.5	202.27	-773	-1877	SLD 7	4017	22039	20413	2.5	26.41	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	250352	-126065	-57247	SLE RA 7	-50.6	285289	-85995	-61012	SLE RA 13	-678.2	Si
-111	216793	-109319	-57119	SLE RA 7	-47.4	247010	-73689	-60884	SLE RA 13	-644	Si
-82	208061	-61168	-60753	SLE RA 13	-44.4	208061	-61168	-60753	SLE RA 13	-609.2	Si
-53	169113	-48646	-60622	SLE RA 13	-41.3	169113	-48646	-60622	SLE RA 13	-574.5	Si
-24	130165	-36125	-60491	SLE RA 13	-38.3	130165	-36125	-60491	SLE RA 13	-539.7	Si
5	91216	-23604	-60360	SLE RA 13	-35.2	91216	-23604	-60360	SLE RA 13	-505	Si
35	52268	-11082	-60229	SLE RA 13	-32.1	52268	-11082	-60229	SLE RA 13	-470.2	Si
64	12054	12740	-59985	SLE RA 12	-30.3	12054	12740	-59985	SLE RA 12	-446.4	Si
93	-28762	17808	-59854	SLE RA 12	-31.5	-28762	17808	-59854	SLE RA 12	-459.7	Si
122	-64578	26482	-59837	SLE RA 13	-34	-64578	26482	-59837	SLE RA 13	-488.2	Si
151	-103526	39003	-59706	SLE RA 13	-36.9	-103526	39003	-59706	SLE RA 13	-521.1	Si
180	-141805	51309	-59577	SLE RA 13	-39.8	-141805	51309	-59577	SLE RA 13	-553.4	Si
200	-117882	-12492	-58899	SLE RA 12	-34.8	-117882	-12492	-58899	SLE RA 12	-500.3	Si
232	-61613	-20836	-58757	SLE RA 12	-32.8	-61613	-20836	-58757	SLE RA 12	-473.8	Si
264	-4450	-29313	-58613	SLE RA 12	-30.8	-4450	-29313	-58613	SLE RA 12	-446.9	Si
296	52712	-37789	-58469	SLE RA 12	-33.8	52712	-37789	-58469	SLE RA 12	-481.5	Si
328	109875	-46265	-58325	SLE RA 12	-37.2	109875	-46265	-58325	SLE RA 12	-521.4	Si
360	166144	-54609	-58183	SLE RA 12	-40.6	166144	-54609	-58183	SLE RA 12	-560.6	Si
380	-43890	142147	-46359	SLE RA 13	-37.1	-43890	142147	-46359	SLE RA 13	-482.2	Si
414	-54061	122894	-46207	SLE RA 13	-35.8	-54061	122894	-46207	SLE RA 13	-470	Si
448	-64233	103642	-46056	SLE RA 13	-34.4	-64233	103642	-46056	SLE RA 13	-457.9	Si
481	-74404	84389	-45904	SLE RA 13	-33.1	-74404	84389	-45904	SLE RA 13	-445.7	Si
515	-84576	65136	-45752	SLE RA 13	-31.7	-84576	65136	-45752	SLE RA 13	-433.5	Si
535	83637	-89914	-42407	SLE RA 12	-32.4	83637	-89914	-42407	SLE RA 12	-431	Si
569	99779	-91925	-42256	SLE RA 12	-33.2	99779	-91925	-42256	SLE RA 12	-441.2	Si
603	115921	-93937	-42104	SLE RA 12	-34.1	115921	-93937	-42104	SLE RA 12	-451.3	Si
636	132063	-95948	-41952	SLE RA 12	-35	132063	-95948	-41952	SLE RA 12	-461.4	Si
670	148205	-97960	-41800	SLE RA 12	-35.9	148205	-97960	-41800	SLE RA 12	-471.5	Si
690	-70973	130910	-29803	SLE RA 13	-29.5	-70973	130910	-29803	SLE RA 13	-369.9	Si
724	-74500	112237	-29651	SLE RA 13	-27.9	-74500	112237	-29651	SLE RA 13	-354.4	Si
758	-80107	93235	-29516	SLE RA 12	-26.4	-80107	93235	-29516	SLE RA 12	-339.9	Si
791	-86112	77145	-29364	SLE RA 12	-25.1	-86112	77145	-29364	SLE RA 12	-328.1	Si
825	-92117	61054	-29212	SLE RA 12	-23.8	-92117	61054	-29212	SLE RA 12	-316.3	Si
845	110122	-86702	-25395	SLE RA 13	-25.2	110122	-86702	-25395	SLE RA 13	-322.2	Si
879	112105	-94501	-25246	SLE RA 13	-26	112105	-94501	-25246	SLE RA 13	-329.2	Si
913	114118	-102417	-25094	SLE RA 13	-26.7	114118	-102417	-25094	SLE RA 13	-336.3	Si
946	116131	-110333	-24942	SLE RA 13	-27.5	116131	-110333	-24942	SLE RA 13	-343.4	Si
980	118143	-118249	-24790	SLE RA 13	-28.2	118143	-118249	-24790	SLE RA 13	-350.5	Si
1000	-95520	107588	-12728	SLE RA 13	-20.4	-95520	107588	-12728	SLE RA 13	-241.8	Si
1034	-96906	99151	-12576	SLE RA 13	-19.6	-96906	99151	-12576	SLE RA 13	-234	Si
1068	-100181	90226	-12433	SLE RA 12	-18.9	-100181	90226	-12433	SLE RA 12	-227	Si
1101	-104113	81327	-12281	SLE RA 12	-18.2	-104113	81327	-12281	SLE RA 12	-220.4	Si
1135	-108045	72428	-12129	SLE RA 12	-17.5	-108045	72428	-12129	SLE RA 12	-213.7	Si
1155	109687	-79391	-7845	SLE RA 13	-16.2	109687	-79391	-7845	SLE RA 13	-190.3	Si
1189	87508	-70006	-7693	SLE RA 13	-14.2	87508	-70006	-7693	SLE RA 13	-167.9	Si
1223	65328	-60621	-7541	SLE RA 13	-12.2	65328	-60621	-7541	SLE RA 13	-145.6	Si
1256	43148	-51236	-7389	SLE RA 13	-10.2	43148	-51236	-7389	SLE RA 13	-123.2	Si
1290	20968	-41851	-7237	SLE RA 13	-7.6	20968	-41851	-7237	SLE RA 13	-92.6	Si
1310	40584	19012	-2780	SLE RA 12	-13.2	40646	17783	-2939	SLE RA 8	-141.4	Si
1340	23134	17012	-2712	SLE RA 12	-9.7	23137	15915	-2872	SLE RA 8	-107.6	Si
1370	5684	15012	-2645	SLE RA 12	-6.2	5627	14047	-2804	SLE RA 8	-73.3	Si
1400	-11882	12179	-2737	SLE RA 8	-7	-11882	12179	-2737	SLE RA 8	-80.7	Si
1430	-29391	10311	-2669	SLE RA 8	-9.9	-29391	10311	-2669	SLE RA 8	-108.8	Si
1460	-46901	8443	-2602	SLE RA 8	-12.8	-46901	8443	-2602	SLE RA 8	-136.9	Si
1490	-64410	6575	-2534	SLE RA 8	-15.8	-64410	6575	-2534	SLE RA 8	-165	Si
1520	-81566	5013	-2307	SLE RA 12	-30.1	-81566	5013	-2307	SLE RA 12	586.1	Si
1550	-99429	2839	-2399	SLE RA 8	-35.6	-99016	3014	-2240	SLE RA 12	750.8	Si
1580	-116938	971	-2332	SLE RA 8	-36.9	-116466	1014	-2172	SLE RA 12	769.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	230696	-16569	-51560	SLE QP 2	-37	Si
-111	199072	-12737	-51431	SLE QP 2	-35.1	Si
-82	166895	-8838	-51300	SLE QP 2	-33.1	Si
-53	134718	-4939	-51170	SLE QP 2	-31.2	Si
-24	102541	-1039	-51039	SLE QP 2	-29.2	Si
5	70365	2860	-50908	SLE QP 2	-27.8	Si
35	38188	6759	-50777	SLE QP 2	-26.6	Si
64	6011	10658	-50646	SLE QP 2	-25.4	Si
93	-26166	14557	-50515	SLE QP 2	-26.6	Si
122	-58343	18456	-50384	SLE QP 2	-28.4	Si
151	-90519	22355	-50253	SLE QP 2	-30.2	Si
180	-122143	26187	-50125	SLE QP 2	-32	Si
200	-99152	-7659	-49746	SLE QP 2	-29.1	Si
232	-52843	-15382	-49604	SLE QP 2	-27.5	Si
264	-5798	-23228	-49460	SLE QP 2	-25.9	Si
296	41246	-31074	-49316	SLE QP 2	-28.3	Si
328	88291	-38920	-49172	SLE QP 2	-31.1	Si
360	134600	-46643	-49030	SLE QP 2	-34	Si
380	-23762	93885	-38956	SLE QP 2	-28.2	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
414	-34979	78498	-38804	SLE QP 2	-27.3	Si
448	-46196	63110	-38652	SLE QP 2	-26.4	Si
481	-57413	47722	-38500	SLE QP 2	-25.4	Si
515	-68630	32334	-38348	SLE QP 2	-24.5	Si
535	64261	-69649	-35714	SLE QP 2	-26.4	Si
569	77937	-73149	-35562	SLE QP 2	-27.3	Si
603	91614	-76649	-35410	SLE QP 2	-28.2	Si
636	105290	-80149	-35258	SLE QP 2	-29.1	Si
670	118966	-83650	-35107	SLE QP 2	-30	Si
690	-53199	104252	-24866	SLE QP 2	-23.9	Si
724	-58298	90279	-24714	SLE QP 2	-22.8	Si
758	-63396	76305	-24562	SLE QP 2	-21.7	Si
791	-68495	62332	-24410	SLE QP 2	-20.6	Si
825	-73594	48358	-24258	SLE QP 2	-19.5	Si
845	81239	-66005	-21266	SLE QP 2	-20	Si
879	85041	-73839	-21116	SLE QP 2	-20.8	Si
913	88900	-81791	-20964	SLE QP 2	-21.7	Si
946	92760	-89743	-20813	SLE QP 2	-22.5	Si
980	96619	-97696	-20661	SLE QP 2	-23.3	Si
1000	-72596	90463	-10356	SLE QP 2	-16.6	Si
1034	-75733	82134	-10204	SLE QP 2	-16	Si
1068	-78870	73806	-10052	SLE QP 2	-15.3	Si
1101	-82007	65478	-9900	SLE QP 2	-14.6	Si
1135	-85144	57150	-9748	SLE QP 2	-13.9	Si
1155	81441	-64589	-6388	SLE QP 2	-12.8	Si
1189	66000	-56403	-6236	SLE QP 2	-11.3	Si
1223	50558	-48216	-6084	SLE QP 2	-9.7	Si
1256	35117	-40030	-5932	SLE QP 2	-8.1	Si
1290	19676	-31843	-5780	SLE QP 2	-6	Si
1310	31638	15252	-2276	SLE QP 2	-10.5	Si
1340	17978	13646	-2208	SLE QP 2	-7.7	Si
1370	4317	12039	-2141	SLE QP 2	-4.9	Si
1400	-9344	10432	-2073	SLE QP 2	-5.5	Si
1430	-23005	8826	-2006	SLE QP 2	-7.8	Si
1460	-36666	7219	-1938	SLE QP 2	-10.1	Si
1490	-50327	5613	-1871	SLE QP 2	-12.3	Si
1520	-63988	4006	-1803	SLE QP 2	-14.6	Si
1550	-77649	2399	-1736	SLE QP 2	-16.8	Si
1580	-91310	793	-1668	SLE QP 2	-28.8	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

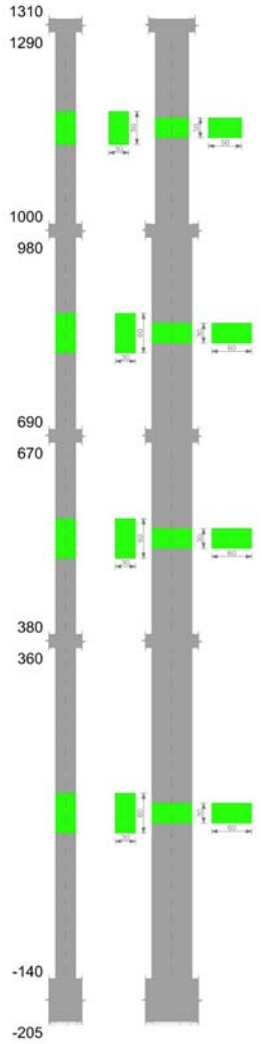
Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 190 in quanto nodo interno a piastra.
per il nodo Appoggio 1600 in quanto elemento di estremità superiore alla pilastrata.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 1145 in quanto elemento non dissipativo.
per il nodo Appoggio 525 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 835 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.

Pilastro 29

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60	No	No	No	No		C30/37	B450C	
380	670	R 30x60	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	722665	302824	-111640	1724246	722524	SLU 46	2.386	Si
-111	20.11	2.2	0	1,2	648218	302365	-111471	1588099	740778	SLU 46	2.45	Si
-81	20.11	1.1	0	2	383221	321224	-118424	964020	808064	SLU 52	2.516	Si
-52	20.11	1.1	0	2	331897	320758	-118252	844690	816340	SLU 52	2.545	Si
-22	20.11	1.1	0	2	320465	320465	-118144	818158	818158	SLU 51	2.553	Si
7	20.11	1.1	0	2	319998	319998	-117972	818158	818158	SLU 51	2.557	Si
36	20.11	1.1	0	2	319531	319531	-117800	818158	818158	SLU 51	2.56	Si
66	20.11	1.1	0	2	319065	319065	-117628	818158	818158	SLU 51	2.564	Si
95	20.11	1.1	0	2	318598	318598	-117456	818158	818158	SLU 51	2.568	Si
125	20.11	1.1	0	2	-318127	318127	-117282	-818158	818158	SLU 51	2.572	Si
154	20.11	1.1	0	2	-317665	-317665	-117111	-818158	-818158	SLU 51	2.576	Si
184	20.11	1.1	0	2	-317198	-317198	-116939	-818158	-818158	SLU 51	2.579	Si
213	20.11	1.1	0	2	-316738	-316738	-116770	-818158	-818158	SLU 51	2.583	Si
242	20.11	1.1	0	2	-316265	-316265	-116595	-818158	-818158	SLU 51	2.587	Si
272	20.11	1.1	0	2	-315798	-315798	-116423	-818158	-818158	SLU 51	2.591	Si
301	20.11	1.1	0	2	-315331	-315331	-116251	-818158	-818158	SLU 51	2.595	Si
331	20.11	1.1	0	2	-335311	-314690	-116015	-868122	-814736	SLU 52	2.589	Si
360	20.11	1.1	0	2	-385762	-314232	-115846	-989353	-805902	SLU 52	2.565	Si
380	20.11	2.2	0	2,3	-355234	158314	-79157	-1350270	601763	SLU 46	3.801	Si
409	20.11	2.2	0	2,3	-171628	168677	-84338	-658359	647036	SLU 52	3.836	Si
438	20.11	1.1	0	3	168422	168422	-84211	647491	647491	SLU 51	3.844	Si
467	20.11	1.1	0	3	168082	168082	-84041	647491	647491	SLU 51	3.852	Si
496	20.11	1.1	0	3	167743	167743	-83872	647491	647491	SLU 51	3.86	Si
525	20.11	1.1	0	3	-167404	167404	-83702	-647491	647491	SLU 51	3.868	Si
554	20.11	1.1	0	3	-167064	-167064	-83532	-647491	-647491	SLU 51	3.876	Si
583	20.11	1.1	0	3	-166725	-166725	-83363	-647491	-647491	SLU 51	3.884	Si
612	20.11	1.1	0	3	-166386	-166386	-83193	-647491	-647491	SLU 51	3.892	Si
641	20.11	1.1	0	3	-166047	-166047	-83023	-647491	-647491	SLU 51	3.899	Si
670	20.11	1.1	0	3	-165707	-165707	-82854	-647491	-647491	SLU 51	3.907	Si
690	20.11	2.2	0	3,4,6,7	112722	103331	-51666	703732	645105	SLU 51	6.243	Si
719	20.11	2.2	0	3,4,6,7	102992	102992	-51496	647491	647491	SLU 51	6.287	Si
748	20.11	1.1	0	4,6,7	102653	102653	-51326	647491	647491	SLU 51	6.308	Si
777	20.11	1.1	0	4,6,7	102313	102313	-51157	647491	647491	SLU 51	6.329	Si
806	20.11	1.1	0	4,6,7	101974	101974	-50987	647491	647491	SLU 51	6.35	Si
835	20.11	1.1	0	4,6,7	-101635	101635	-50817	-647491	647491	SLU 51	6.371	Si
864	20.11	1.1	0	4,6,7	-101296	101296	-50648	-647491	647491	SLU 51	6.392	Si
893	20.11	1.1	0	4,6,7	-100956	100956	-50478	-647491	647491	SLU 51	6.414	Si
922	20.11	1.1	0	4,6,7	-100617	-100617	-50308	-647491	-647491	SLU 51	6.435	Si
951	20.37	1.6	0	4,5,6,7	-119400	-100278	-50139	-766984	-644146	SLU 51	6.424	Si
980	27.42	2	0	4,5,6,7	-145192	-99938	-49969	-989603	-681163	SLU 51	6.816	Si
1000	20.11	2.4	0	5,6,7,8,9	68579	148608	-18809	607409	1316227	SLU 52	8.857	Si
1029	17.8	2.4	0	5,6,7,8,9	67766	101226	-18667	712971	1065007	SLU 52	10.521	Si
1058	16.08	1.1	0	8,9	66952	53843	-18526	848015	681979	SLU 52	12.666	Si
1087	16.08	1.1	0	8,9	66139	36769	-18385	900456	500597	SLU 52	13.615	Si
1116	16.08	1.1	0	8,9	65325	-40921	-18243	882766	-552983	SLU 52	13.513	Si
1145	16.08	1.1	0	8,9	64512	-88304	-18102	717325	-981869	SLU 52	11.119	Si
1174	16.08	1.1	0	8,9	63699	-135686	-17960	574827	-1224453	SLU 52	9.024	Si
1203	16.08	1.1	0	8,9	62885	-183068	-17819	465422	-1354915	SLU 52	7.401	Si
1232	16.08	1.1	0	8,9	62072	-230450	-17678	383698	-1424538	SLU 52	6.182	Si
1261	16.08	1.1	0	8,9	61258	-277833	-17536	313316	-1421025	SLU 52	5.115	Si
1290	22.11	2.1	0	8,9	60445	-325215	-17395	304551	-1638598	SLU 52	5.039	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	1236734	-11047	-77131	-2.02	1.92	2691788	-24045	SLV 13	2.177				Si
-111	20.11	2.2	0	1,2	1148388	-11225	-77001	-2.02	1.92	2648552	-25888	SLV 13	2.306				Si
-81	20.11	1.1	0	2	1058549	-11407	-76869	-2.02	1.92	2590752	-27918	SLV 13	2.447				Si
-52	20.11	1.1	0	2	968755	-11591	-76736	-2.02	1.92	2516157	-30105	SLV 13	2.597				Si
-22	20.11	1.1	0	2	879023	-11777	-76604	-2.02	1.92	2422002	-32450	SLV 13	2.755				Si
7	20.11	1.1	0	2	789368	-11967	-76472	-2.02	1.92	2304301	-34934	SLV 13	2.919				Si
36	20.11	1.1	0	2	699819	-12162	-76339	-2.02	1.92	2161490	-37565	SLV 13	3.089				Si
66	20.11	1.1	0	2	610432	-12366	-76207	-2.02	1.92	1991616	-40346	SLV 13	3.263				Si
95	20.11	1.1	0	2	471279	-61442	-72514	-2.02	1.92	1659517	-216357	SLV 15	3.521				Si
125	20.11	1.1	0	2	431565	-49527	-72381	-2.02	1.92	1577412	-181026	SLV 15	3.655				Si
154	20.11	1.1	0	2	344305	-38105	-72249	-2.02	1.92	1350638	-149478	SLV 15	3.923				Si
184	20.11	1.1	0	2	-212031	19040	-76353	-2.02	1.92	-893974	80277	SLV 5	4.216				Si
213	20.11	1.1	0	2	-59230	-9764	-77828	-2.02	1.92	-250587	-41309	SLV 9	4.231				Si
242	20.11	1.1	0	2	-58324	-43528	-77694	-2.02	1.92	-247182	-184475	SLV 9	4.238				Si
272	20.11	1.1	0	2	-71604	-68760	-77561	-2.02	1.92	-303979	-291904	SLV 9	4.245				Si
301	20.11	1.1	0	2	-138969	-91468	-77429	-2.02	1.92	-559586	-368314	SLV 9	4.027				Si
331	20.11	1.1	0	2	-192000	-98835	-77297	-2.02	1.92	-741894	-381901	SLV 9	3.864				Si
360	20.11	1.1	0	2	-250820	-119655	-77166	-2.02	1.92	-913907	-435982	SLV 9	3.644				Si
380	20.11	2.2	0	2,3	-64446	188949	-55132	-2.02	1.92	-302772	887688	SLV 5	4.698				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
409	20.11	2.2	0	2,3	-65126	152048	-55002	-2.02	1.92	-325300	759467	SLV 5	4.995				Si
438	20.11	1.1	0	3	-33701	115420	-54871	-2.02	1.92	-183810	629521	SLV 5	5.454				Si
467	20.11	1.1	0	3	-75829	64744	-55965	-2.02	1.92	-432730	369472	SLV 9	5.707				Si
496	20.11	1.1	0	3	-86328	37404	-55834	-2.02	1.92	-509101	220578	SLV 9	5.897				Si
525	20.11	1.1	0	3	-100068	-7508	-55704	-2.02	1.92	-591508	-44378	SLV 9	5.911				Si
554	20.11	1.1	0	3	-116591	-33361	-55573	-2.02	1.92	-680839	-194811	SLV 9	5.84				Si
583	20.11	1.1	0	3	-57150	-61282	-55443	-2.02	1.92	-336265	-360577	SLV 9	5.884				Si
612	20.11	1.1	0	3	101832	-113583	-54088	-2.02	1.92	535379	-597155	SLV 5	5.257				Si
641	20.11	1.1	0	3	106959	-150283	-53958	-2.02	1.92	527583	-741285	SLV 5	4.933				Si
670	20.11	1.1	0	3	113043	-187217	-53827	-2.02	1.92	524277	-868287	SLV 5	4.638				Si
690	20.11	2.2	0	3,4,6,7	208033	166415	-34120	-2.02	1.92	1155989	924725	SLV 9	5.557				Si
719	20.11	2.2	0	3,4,6,7	172401	134857	-33989	-2.02	1.92	1083333	847418	SLV 9	6.284				Si
748	20.11	1.1	0	4,6,7	138844	103557	-33859	-2.02	1.92	982156	732542	SLV 9	7.074				Si
777	20.11	1.1	0	4,6,7	108769	72903	-33728	-2.02	1.92	861739	577584	SLV 9	7.923				Si
806	20.11	1.1	0	4,6,7	65360	44669	-33598	-2.02	1.92	593467	405595	SLV 9	9.08				Si
835	20.11	1.1	0	4,6,7	-117581	24858	-30689	-2.02	1.92	-1114132	235542	SLV 15	9.475				Si
864	20.11	1.1	0	4,6,7	-142816	30991	-30558	-2.02	1.92	-1283558	278532	SLV 15	8.987				Si
893	20.11	1.1	0	4,6,7	-176951	40177	-30428	-2.02	1.92	-1482220	336540	SLV 15	8.376				Si
922	20.11	1.1	0	4,6,7	-216720	50669	-30297	-2.02	1.92	-1675998	391847	SLV 15	7.733				Si
951	20.37	1.6	0	4,5,6,7	-259859	61618	-30167	-2.02	1.92	-1845366	437573	SLV 15	7.101				Si
980	27.42	2	0	4,5,6,7	-305042	72774	-30036	-2.02	1.92	-2129671	508078	SLV 15	6.982				Si
1000	20.11	2.4	0	5,6,7,8,9	148873	200229	-12004	-2.02	1.92	710908	956144	SLV 9	4.775				Si
1029	17.8	2.4	0	5,6,7,8,9	122769	145238	-11895	-2.02	1.92	757057	895617	SLV 9	6.167				Si
1058	16.08	1.1	0	8,9	99186	90397	-11786	-2.02	1.92	889187	810402	SLV 9	8.965				Si
1087	16.08	1.1	0	8,9	66634	36186	-11678	-2.02	1.92	1005582	546090	SLV 9	15.091				Si
1116	16.08	1.1	0	8,9	98514	-27997	-9913	-2.02	1.92	1423601	-404573	SLV 1	14.451				Si
1145	16.08	1.1	0	8,9	119151	-67600	-9805	-2.02	1.92	1149092	-651936	SLV 1	9.644				Si
1174	16.08	1.1	0	8,9	145217	-112530	-9696	-2.02	1.92	947884	-734523	SLV 1	6.527				Si
1203	16.08	1.1	0	8,9	-72312	-177250	-11243	-2.02	1.92	-420856	-1031596	SLV 9	5.82				Si
1232	16.08	1.1	0	8,9	-99201	-241714	-11134	-2.02	1.92	-401103	-977334	SLV 9	4.043				Si
1261	16.08	1.1	0	8,9	-126834	-296767	-11025	-2.02	1.92	-373711	-874414	SLV 9	2.946				Si
1290	22.11	2.1	0	8,9	-154879	-351847	-10916	-2.02	1.92	-463487	-1052931	SLV 9	2.993				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	365214	116805	-75305	1268425	405674	SLD 9	3.473	Si
-111	20.11	2.2	0	1,2	336920	106196	-75174	1204471	379646	SLD 9	3.575	Si
-81	20.11	1.1	0	2	308158	95407	-75042	1135529	351564	SLD 9	3.685	Si
-52	20.11	1.1	0	2	279424	84621	-74910	1062259	321695	SLD 9	3.802	Si
-22	20.11	1.1	0	2	250729	73840	-74777	984307	289879	SLD 9	3.926	Si
7	20.11	1.1	0	2	222082	63065	-74645	901248	255931	SLD 9	4.058	Si
36	20.11	1.1	0	2	193501	52301	-74513	812621	219640	SLD 9	4.2	Si
66	20.11	1.1	0	2	238278	-198	-73490	1034924	-860	SLD 13	4.343	Si
95	20.11	1.1	0	2	23406	30835	-74248	103798	136745	SLD 9	4.435	Si
125	20.11	1.1	0	2	-40494	20066	-74114	-179905	89146	SLD 9	4.443	Si
154	20.11	1.1	0	2	-39471	9678	-73983	-175670	43071	SLD 9	4.451	Si
184	20.11	1.1	0	2	-38937	-121	-73851	-173605	-539	SLD 9	4.459	Si
213	20.11	1.1	0	2	-39413	-10842	-73721	-176037	-48424	SLD 9	4.466	Si
242	20.11	1.1	0	2	-42749	-27966	-73586	-191286	-125138	SLD 9	4.475	Si
272	20.11	1.1	0	2	-51454	-40139	-73454	-230654	-179930	SLD 9	4.483	Si
301	20.11	1.1	0	2	-84466	-51362	-73322	-379316	-230654	SLD 9	4.491	Si
331	20.11	1.1	0	2	-107969	-56402	-73189	-485741	-253748	SLD 9	4.499	Si
360	20.11	1.1	0	2	-133778	-66948	-73059	-584871	-292695	SLD 9	4.372	Si
380	20.11	2.2	0	2,3	-9427	109693	-52774	-54455	633616	SLD 5	5.776	Si
409	20.11	2.2	0	2,3	-14671	88659	-52643	-88238	533250	SLD 5	6.015	Si
438	20.11	1.1	0	3	-10478	59265	-52991	-65105	368252	SLD 9	6.214	Si
467	20.11	1.1	0	3	-28478	41383	-52861	-177392	257773	SLD 9	6.229	Si
496	20.11	1.1	0	3	-37233	24411	-52730	-232497	152433	SLD 9	6.244	Si
525	20.11	1.1	0	3	-47212	-1833	-52600	-295545	-11474	SLD 9	6.26	Si
554	20.11	1.1	0	3	-58306	-18551	-52469	-365897	-116415	SLD 9	6.275	Si
583	20.11	1.1	0	3	-35782	-35809	-52339	-225110	-225281	SLD 9	6.291	Si
612	20.11	1.1	0	3	-13010	-53771	-52208	-82053	-339123	SLD 9	6.307	Si
641	20.11	1.1	0	3	25951	-83926	-51599	158859	-513757	SLD 5	6.122	Si
670	20.11	1.1	0	3	23201	-104982	-51469	136598	-618095	SLD 5	5.888	Si
690	20.11	2.2	0	3,4,6,7	120896	90160	-32158	932092	695127	SLD 9	7.71	Si
719	20.11	2.2	0	3,4,6,7	99220	74174	-32027	821447	614084	SLD 9	8.279	Si
748	20.11	1.1	0	4,6,7	78410	58327	-31897	699039	519994	SLD 9	8.915	Si
777	20.11	1.1	0	4,6,7	58942	42819	-31766	567480	412250	SLD 9	9.628	Si
806	20.11	1.1	0	4,6,7	32258	28454	-31636	335745	296155	SLD 9	10.408	Si
835	20.11	1.1	0	4,6,7	57	7353	-31505	592	76853	SLD 9	10.451	Si
864	20.11	1.1	0	4,6,7	-13446	-6492	-31375	-141108	-68133	SLD 9	10.495	Si
893	20.11	1.1	0	4,6,7	-96776	14505	-30155	-989984	148380	SLD 15	10.23	Si
922	20.11	1.1	0	4,6,7	-118966	14795	-30024	-1173133	145895	SLD 15	9.861	Si
951	20.37	1.6	0	4,5,6,7	-142777	15335	-29894	-1357852	145838	SLD 15	9.51	Si
980	27.42	2	0	4,5,6,7	-167644	15990	-29763	-1646361	157028	SLD 15	9.821	Si
1000	20.11	2.4	0	5,6,7,8,9	82482	132823	-11130	633425	1020023	SLD 9	7.68	Si
1029	17.8	2.4	0	5,6,7,8,9	72245	94922	-11021	712324	935919	SLD 9	9.86	Si
1058	16.08	1.1	0	8,9	62970	57104	-10912	848173	769159	SLD 9	13.47	Si
1087	16.08	1.1	0	8,9	48482	19613	-10804	930196	376313	SLD 9	19.187	Si
1116	16.08	1.1	0	8,9	62307	-23223	-10042	1132950	-422278	SLD 1	18.183	Si
1145	16.08	1.1	0	8,9	68292	-54449	-9934	936678	-746807	SLD 1	13.716	Si
1174	16.08	1.1	0	8,9	77620	-88253	-9825	769567	-874991	SLD 1	9.915	Si
1203	16.08	1.1	0	8,9	77865	-106677	-9716	670112	-918072	SLD 1	8.606	Si
1232	16.08	1.1	0	8,9	-17731	-171543	-10260	-123162	-1191551	SLD 9	6.946	Si
1261	16.08	1.1	0	8,9	-28482	-209477	-10151	-156616	-1151851	SLD 9	5.499	Si
1290	22.11	2.1	0	8,9	-39466	-247427	-10042	-211444	-1325632	SLD 9	5.358	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-228	-118829	SLU 51	15366	51792	52691	2.35	226.93	-2575	-111640	SLU 46	15029	48385	55356	2.5	18.79	Si
-111	5X/2Y Ø8/10	-228	-118660	SLU 51	15366	51792	52691	2.35	226.93	-2575	-111471	SLU 46	15029	48385	55356	2.5	18.79	Si
-81	5X/2Y Ø8/10	-228	-118488	SLU 51	15366	51792	52691	2.35	226.93	-2575	-111299	SLU 46	15029	48385	55356	2.5	18.79	Si
-52	5X/2Y Ø8/10	-228	-118316	SLU 51	15366	51792	52691	2.35	226.93	-2575	-111127	SLU 46	15029	48385	55356	2.5	18.79	Si
-22	5X/2Y Ø8/15	-228	-118144	SLU 51	15366	36732	50429	2.5	160.95	-2575	-110955	SLU 46	15029	32257	55356	2.5	12.53	Si
7	5X/2Y Ø8/15	-228	-117972	SLU 51	15366	36732	50429	2.5	160.95	-2575	-110783	SLU 46	15029	32257	55356	2.5	12.53	Si
36	5X/2Y Ø8/15	-228	-117800	SLU 51	15366	36732	50429	2.5	160.95	-2575	-110611	SLU 46	15029	32257	55356	2.5	12.53	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
66	5X/2Y Ø8/15	-228	-117628	SLU 51	15366	36732	50429	2.5	160.95	-2575	-110439	SLU 46	15029	32257	55356	2.5	12.53	Si
95	5X/2Y Ø8/15	-228	-117456	SLU 51	15366	36732	50429	2.5	160.95	-2575	-110267	SLU 46	15029	32257	55356	2.5	12.53	Si
125	5X/2Y Ø8/15	-228	-117282	SLU 51	15366	36732	50429	2.5	160.95	-2575	-110093	SLU 46	15029	32257	55356	2.5	12.53	Si
154	5X/2Y Ø8/15	-228	-117111	SLU 51	15366	36732	50429	2.5	160.95	-2575	-109923	SLU 46	15029	32257	55356	2.5	12.53	Si
184	5X/2Y Ø8/15	-228	-116939	SLU 51	15366	36732	50429	2.5	160.95	-2575	-109750	SLU 46	15029	32257	55356	2.5	12.53	Si
213	5X/2Y Ø8/15	-228	-116770	SLU 51	15366	36732	50429	2.5	160.95	-2575	-109581	SLU 46	15029	32257	55356	2.5	12.53	Si
242	5X/2Y Ø8/10	-228	-116595	SLU 51	15366	51792	52691	2.35	226.93	-2575	-109406	SLU 46	15029	48385	55356	2.5	18.79	Si
272	5X/2Y Ø8/10	-228	-116423	SLU 51	15366	51792	52691	2.35	226.93	-2575	-109234	SLU 46	15029	48385	55356	2.5	18.79	Si
301	5X/2Y Ø8/10	-228	-116251	SLU 51	15366	51792	52691	2.35	226.93	-2575	-109062	SLU 46	15029	48385	55356	2.5	18.79	Si
331	5X/2Y Ø8/10	-228	-116079	SLU 51	15366	51792	52691	2.35	226.93	-2575	-108890	SLU 46	15029	48385	55356	2.5	18.79	Si
360	5X/2Y Ø8/10	-228	-115910	SLU 51	15366	51792	52691	2.35	226.93	-2575	-108721	SLU 46	15029	48385	55356	2.5	18.79	Si
380	5X/2Y Ø8/10	-568	-84550	SLU 51	15366	51792	52691	2.35	91.21	1155	-43001	SLU 3	12344	48385	50364	2.5	41.88	Si
409	5X/2Y Ø8/10	-568	-84380	SLU 51	15366	51792	52691	2.35	91.21	1155	-42870	SLU 3	12326	48385	50346	2.5	41.88	Si
438	5X/2Y Ø8/10	-568	-84211	SLU 51	15366	51792	52691	2.35	91.21	1155	-42740	SLU 3	12308	48385	50328	2.5	41.88	Si
467	5X/2Y Ø8/14.4	-568	-84041	SLU 51	15366	38145	50429	2.5	67.17	1155	-42609	SLU 3	12290	33497	50309	2.5	28.99	Si
496	5X/2Y Ø8/14.4	-568	-83872	SLU 51	15366	38145	50429	2.5	67.17	1155	-42479	SLU 3	12272	33497	50291	2.5	28.99	Si
525	5X/2Y Ø8/14.4	-568	-83702	SLU 51	15366	38145	50429	2.5	67.17	1155	-42348	SLU 3	12254	33497	50272	2.5	28.99	Si
554	5X/2Y Ø8/14.4	-568	-83532	SLU 51	15366	38145	50429	2.5	67.17	1155	-42218	SLU 3	12237	33497	50254	2.5	28.99	Si
583	5X/2Y Ø8/14.4	-568	-83363	SLU 51	15366	38145	50429	2.5	67.17	1155	-42087	SLU 3	12219	33497	50235	2.5	28.99	Si
612	5X/2Y Ø8/10	-568	-83193	SLU 51	15366	51792	52691	2.35	91.21	1155	-41957	SLU 3	12201	48385	50217	2.5	41.88	Si
641	5X/2Y Ø8/10	-568	-83023	SLU 51	15366	51792	52691	2.35	91.21	1155	-41826	SLU 3	12183	48385	50198	2.5	41.88	Si
670	5X/2Y Ø8/10	-568	-82854	SLU 51	15366	51792	52691	2.35	91.21	1155	-41696	SLU 3	12165	48385	50180	2.5	41.88	Si
690	5X/2Y Ø8/10	-306	-30504	SLU 29	11364	47384	49095	2.15	154.79	-889	-51666	SLU 51	13528	48385	51589	2.5	54.4	Si
719	5X/2Y Ø8/10	-306	-30334	SLU 29	11343	47384	49071	2.15	154.79	-889	-51496	SLU 51	13505	48385	51565	2.5	54.4	Si
748	5X/2Y Ø8/10	-306	-30165	SLU 29	11322	47384	49047	2.15	154.79	-889	-51326	SLU 51	13481	48385	51542	2.5	54.4	Si
777	5X/2Y Ø8/14.4	-310	-39231	SLU 42	12451	38145	45396	2.5	122.95	-889	-51157	SLU 51	13458	33497	51518	2.5	37.66	Si
806	5X/2Y Ø8/14.4	-310	-39062	SLU 42	12430	38145	45374	2.5	122.95	-889	-50987	SLU 51	13435	33497	51494	2.5	37.66	Si
835	5X/2Y Ø8/14.4	-310	-38892	SLU 42	12408	38145	45352	2.5	122.95	-889	-50817	SLU 51	13412	33497	51470	2.5	37.66	Si
864	5X/2Y Ø8/14.4	-310	-38722	SLU 42	12387	38145	45331	2.5	122.95	-889	-50648	SLU 51	13389	33497	51446	2.5	37.66	Si
893	5X/2Y Ø8/14.4	-310	-38553	SLU 42	12366	38145	45309	2.5	122.95	-889	-50478	SLU 51	13366	33497	51422	2.5	37.66	Si
922	5X/2Y Ø8/10	-306	-29147	SLU 29	11195	47384	48901	2.15	154.79	-889	-50308	SLU 51	13342	48385	51398	2.5	54.4	Si
951	5X/2Y Ø8/10	-306	-28977	SLU 29	11174	47384	48877	2.15	154.79	-889	-50139	SLU 51	13319	48385	51374	2.5	54.4	Si
980	5X/2Y Ø8/10	-306	-28808	SLU 29	11153	47384	48853	2.15	154.79	-889	-49969	SLU 51	13296	48385	51350	2.5	54.4	Si
1000	4X/2Y Ø8/10	-1640	-18818	SLU 51	8648	38789	39376	2.2	23.66	0	-16945	SLU 45	7875	38743	39097	2.45	1000	Si
1029	4X/2Y Ø8/10	-1640	-18677	SLU 51	8631	38789	39356	2.2	23.66	0	-16804	SLU 45	7856	38743	39077	2.45	1000	Si
1058	4X/2Y Ø8/10	-1640	-18536	SLU 51	8613	38789	39336	2.2	23.66	0	-16662	SLU 45	7837	38743	39057	2.45	1000	Si
1087	4X/2Y Ø8/14.4	-1640	-18394	SLU 51	8595	30516	35989	2.5	18.61	-38	-16549	SLU 25	7822	27370	38478	2.5	716.81	Si
1116	4X/2Y Ø8/14.4	-1640	-18253	SLU 51	8578	30516	35970	2.5	18.61	-38	-16440	SLU 25	7808	27370	38463	2.5	716.81	Si
1145	4X/2Y Ø8/14.4	-1640	-18112	SLU 51	8560	30516	35952	2.5	18.61	-38	-16331	SLU 25	7793	27370	38448	2.5	716.81	Si
1174	4X/2Y Ø8/14.4	-1640	-17970	SLU 51	8543	30516	35934	2.5	18.61	-38	-16223	SLU 25	7778	27370	38433	2.5	716.81	Si
1203	4X/2Y Ø8/14.4	-1640	-17829	SLU 51	8525	30516	35916	2.5	18.61	-38	-16114	SLU 25	7764	27370	38418	2.5	716.81	Si
1232	4X/2Y Ø8/10	-1640	-17687	SLU 51	8507	38789	39217	2.2	23.66	0	-15814	SLU 45	7724	38743	38938	2.45	1000	Si
1261	4X/2Y Ø8/10	-1640	-17546	SLU 51	8490	38789	39197	2.2	23.66	0	-15673	SLU 45	7705	38743	38918	2.45	1000	Si
1290	4X/2Y Ø8/10	-1640	-17405	SLU 51	8472	38789	39177	2.2	23.66	0	-15531	SLU 45	7686	38743	38898	2.45	1000	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-925	-77807	SLV 5	15366	51792	52623	2.35	55.96	-3063	-77131	SLV 13	15029	48385	55190	2.5	15.8	Si
-111	5X/2Y Ø8/10	-925	-77677	SLV 5	15366	51792	52605	2.35	55.96	-3063	-77001	SLV 13	15029	48385	55171	2.5	15.8	Si
-81	5X/2Y Ø8/10	-925	-77544	SLV 5	15366	51792	52588	2.35	55.96	-3063	-76869	SLV 13	15029	48385	55153	2.5	15.8	Si
-52	5X/2Y Ø8/10	-925	-77412	SLV 5	15366	51792	52570	2.35	55.96	-3063	-76736	SLV 13	15029	48385	55134	2.5	15.8	Si
-22	5X/2Y Ø8/15	-925	-77280	SLV 5	15366	36732	50296	2.5	39.69	-3063	-76604	SLV 13	15029	32257	55115	2.5	10.53	Si
7	5X/2Y Ø8/15	-925	-77147	SLV 5	15366	36732	50279	2.5	39.69	-3063	-76472	SLV 13	15029	32257	55096	2.5	10.53	Si
36	5X/2Y Ø8/15	-925	-77015	SLV 5	15366	36732	50262	2.5	39.69	-3063	-76339	SLV 13	15029	32257	55078	2.5	10.53	Si
66	5X/2Y Ø8/15	-925	-76883	SLV 5	15366	36732	50245	2.5	39.69	-3063	-76207	SLV 13	15029	32257	55059	2.5	10.53	Si
95	5X/2Y Ø8/15	-925	-76750	SLV 5	15366	36732	50228	2.5	39.69	-3063	-76074	SLV 13	15029	32257	55040	2.5	10.53	Si
125	5X/2Y Ø8/15	-925	-76617	SLV 5	15366	36732	50211	2.5	39.69	-3063	-75941	SLV 13	15029	32257	55021	2.5	10.53	Si
154	5X/2Y Ø8/15	-925	-76486	SLV 5	15366	36732	50194	2.5	39.69	-3063	-75810	SLV 13	15029	32257	55003	2.5	10.53	Si
184	5X/2Y Ø8/15	-925	-76353	SLV 5	15366	36732	50177	2.5	39.69	-3063	-75677	SLV 13	15029	32257	54984	2.5	10.53	Si
213	5X/2Y Ø8/15	-925	-76223	SLV 5	15366	36732	50160	2.5	39.69	-3063	-75547	SLV 13	15029	32257	54966	2.5	10.53	Si
242	5X/2Y Ø8/10	-925	-76088	SLV 5	15366	51792	52392	2.35	55.96	-3063	-75413	SLV 13	15029	48385	54947	2.5	15.8	Si
272	5X/2Y Ø8/10	-925	-75956	SLV 5	15366	51792	52374	2.35	55.96	-3063	-75280	SLV 13	15029	48385	54928	2.5	15.8	Si
301	5X/2Y Ø8/10	-925	-75824	SLV 5	15366	51792	52356	2.35	55.96	-3063	-75148	SLV 13	15029	48385	54909	2.5	15.8	Si
331	5X/2Y Ø8/10	-925	-75691	SLV 5	15366	51792	52338	2.35	55.96	-3063	-75016	SLV 13	15029	48385	54891	2.5	15.8	Si
360	5X/2Y Ø8/10	-925	-75561	SLV 5	15366	51792	52321	2.35	55.96	-3063	-74886	SLV 13	15029	48385	54872	2.5	15.8	Si
380	5X/2Y Ø8/10	-1286	-55132	SLV 5	14430	49588	51064	2.25	38.55	-1127	-51955	SLV 15	13567	48385	51630	2.5	42.93	Si
409	5X/2Y Ø8/10	-1286	-55002	SLV 5	14414	49588	51045	2.25	38.55	-1127	-51824	SLV 15	13549	48385	51612	2.5	42.93	Si
438	5X/2Y Ø8/10	-1286	-54871	SLV 5	14398	49588	51027	2.25	38.55	-1127	-51694	SLV 15	13532	48385	51593	2.5	42.93	Si
467	5X/2Y Ø8/14.4	-1286	-54741	SLV 5	14382	38145	47394	2.5	29.65	-1127	-51563	SLV 15	13514	33497	51575	2.5	29.72	Si
496	5X/2Y Ø8/14.4	-1286	-54610	SLV 5	14365	38145	47377	2.5	29.65	-1127	-51433	SLV 15	13496	33497	51557	2.5	29.72	Si
525	5X/2Y Ø8/14.4	-1286	-54480	SLV 5	14349	38145	47360	2.5	29.65	-1127	-51302	SLV 15	13478	33497	51538	2.5	29.72	Si
554	5X/2Y Ø8/14.4	-1286	-54349	SLV 5	14333	38145	47343	2.5	29.65	-1127	-51172	SLV 15	13460	33497	51520	2.5	29.72	Si
583	5X/2Y Ø8/14.4	-1286	-54219	SLV 5	14317	38145	47326	2.5	29.65	-1127	-51041	SLV 15	13442	33497	51501	2.5	29.72	Si
612	5X/2Y Ø8/10	-1286	-54088	SLV 5	14300	49588	50919	2.25	38.55	-1127	-50911	SLV 15	13425	48385	51483	2.5	42.93	Si
641	5X/2Y Ø8/10	-1286	-53958	SLV 5	14284	49588	50901	2.25	38.55	-1127	-50780	SLV 15	13407	48385	51464	2.5	42.93	Si
670	5X/2Y Ø8/10	-1286	-53827	SLV 5	14268	49588	50883	2.25	38.55	-1127	-50650	SLV 15	13389	48385	51446	2.5	42.93	Si
690	5X/2Y Ø8/10	-1101	-33339	SLV 5	11717	48486	48765	2.2	44.04	-1726	-33044	SLV 13	10983	48385	48957	2.5	28.03	Si
719	5X/2Y Ø8/10	-1101	-33209	SLV 5	11701	48486	48746	2.2	44.04	-1726	-32914	SLV 13	10965	48385	48938	2.5	28.03	Si
748	5X/2Y Ø8/10	-1101	-33078	SLV 5	11685	48486	48728	2.2	44.04	-1726	-32783	SLV 13	10947	48385	48920	2.5	28.03	Si
777	5X/2Y Ø8/14.4	-1101	-32948	SLV 5	11668	38145	44587	2.5	34.64	-1726	-32653	SLV 13	10929	33497	48901	2.5	19.41	Si
806	5X/2Y Ø8/14.4	-1101	-32817	SLV 5	11652	38145	44570	2.5	34.64	-1726	-32522	SLV 13	10912	33497	48883	2.5	19.41	Si
835	5X/2Y Ø8/14.4	-1101	-32687	SLV 5	11636	38145	44553	2.5	34.64	-1726	-32392	SLV 13	10894	33497	48865	2.5	19.41	Si
864	5X/2Y Ø8/14.4	-1101	-32556	SLV 5	11620	38145	44536	2.5	34.64	-1726	-32261	SLV 13	10876	33497	48846	2.5	19.41	Si
893	5X/2Y Ø8/14.4	-1101	-32426	SLV 5	11603	38145	44520	2.5	34.64	-1726	-32131	SLV 13	10858	33497	48828	2.5	19.41	Si
922	5X/2Y Ø8/10	-1101	-32295	SLV 5	11587	48486	48618	2.2	44.04	-1726	-32000	SLV 13	10840	48385	48809	2.5	28.03	Si
951	5X/2Y Ø8/10	-1101	-32165	SLV 5	11571	48486	48599	2.2	44.04	-1726	-31870	SLV 13	10822	48385	48791	2.5	28.03	Si
980	5X/2Y Ø8/10	-1101	-32034	SLV 5	11555	48486	48581	2.2	44.04	-1726	-31739	SLV 13	10805	48385	48772	2.5	28.03	Si
1000	4X/2Y Ø8/10	-1901	-12004	SLV 9	7800	37907	38996	2.15	19.94	1392	-9590	SLV 3	6890	37953	38623	2.4	27.27	Si
1029	4X/2Y Ø8/10	-1901	-11895	SLV 9	7786	37907	38981	2.15	19.94	1392	-9481	SLV 3	6875	37953	38608	2.4	27.27	Si
1058	4X/2Y Ø8/10	-1901	-11786	SLV 9	7773	37907	38965	2.15	19.94	1392	-9372	SLV 3	6860	37953	38592	2.4	27.27	Si
1087	4X/2Y Ø8/14.4	-1901	-11678	SLV 9	7759	30516	35124	2.5	16.05	1392	-9263	SLV 3	6846	27370	37468	2.5	19.67	Si
1116	4X/2Y Ø8/14.4	-1901	-11569	SLV 9	7746	30516	35109	2.5	16.05	1392	-9155	SLV 3	6831	27370	37453	2.5	19.67	Si
1145	4X/2Y Ø8/14.4	-1901	-11460	SLV 9	7732	30516	35095	2.5	16.05	1392	-9046	SLV 3	6817	27370	37438	2.5	19.67	Si
1174	4X/2Y Ø8/14.4	-1901	-11351	SLV 9	7719	30516	35081	2.5	16.05	1392	-8937	SLV 3	6802	27370	37423	2.5	19.67	Si
1203	4X/2Y Ø8/14.4	-1901	-11243	SLV 9	7705	30516	35067	2.5	16.05	1392	-8828	SLV 3	6788	27370	37408	2.5	19.67	Si
1232	4X/2Y Ø8/10	-1901	-11134	SLV 9	7692	37907	38872	2.15	19.94	1392	-8720	SLV 3	6773	37953	38499	2.4	27.27	Si
1261	4X/2Y Ø8/10	-1901	-11025	SLV 9	7678	37907	38857	2.15	19.94	1392	-8611	SLV 3	6758	37953	38484	2.4	27.27	Si
1290	4X/2Y Ø8/10	-1901	-10916	SLV 9	7664	37907	38841	2.15	19.94	1392	-8502	SLV 3	6744	37953	38468	2.4	27.27	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-447	-74678	SLD 5	16864	55098	49961	2.5	111.73	-1314	-74415	SLD 13	16637	48385	54806	2.5	36.81	Si
-111	5X/2Y Ø8/10	-447	-74548	SLD 5	16848	55098	49945	2.5	111.7	-1314	-74284	SLD 13	16619	48385	54787	2.5	36.81	Si
-81	5X/2Y Ø8/10	-447	-74416	SLD 5	16831	55098	49928	2.5	111.66	-1314	-74152	SLD 13	16601	48385	54769	2.5	36.81	Si
-52	5X/2Y Ø8/10	-447	-74283	SLD 5	16815	55098	49911	2.5	111.62	-1314	-74020	SLD 13	16583	48385	54750	2.5	36.81	Si
-22	5X/2Y Ø8/15	-447	-74151	SLD 5	16798	36732	49894	2.5	82.15	-1314	-73887	SLD 13	16565	32257	54731	2.5	24.54	Si
7	5X/2Y Ø8/15	-447	-74018	SLD 5	16782	36732	49876	2.5	82.15	-1314	-73755	SLD 13	16547	32257	54712	2.5	24.54	Si
36	5X/2Y Ø8/15	-447	-73886	SLD 5	16765	36732	49859	2.5	82.15	-1314	-73623	SLD 13	16529	32257	54694	2.5	24.54	Si
66	5X/2Y Ø8/15	-447	-73754	SLD 5	16749	36732	49842	2.5	82.15	-1314	-73490	SLD 13	16510	32257	54675	2.5	24.54	Si
95	5X/2Y Ø8/15	-447	-73621	SLD 5	16732	36732	49825	2.5	82.15	-1314	-73358	SLD 13	16492	32257	54656	2.5	24.54	Si
125	5X/2Y Ø8/15	-447	-73488	SLD 5	16716	36732	49808	2.5	82.15	-1314	-73224	SLD 13	16474	32257	54637	2.5	24.54	Si
154	5X/2Y Ø8/15	-447	-73357	SLD 5	16699	36732	49791	2.5	82.15	-1314	-73093	SLD 13	16456	32257	54619	2.5	24.54	Si
184	5X/2Y Ø8/15	-447	-73224	SLD 5	16683	36732	49774	2.5	82.15	-1314	-72961	SLD 13	16438	32257	54600	2.5	24.54	Si
213	5X/2Y Ø8/15	-447	-73094	SLD 5	16667	36732	49757	2.5	82.15	-1314	-72831	SLD 13	16420	32257	54582	2.5	24.54	Si
242	5X/2Y Ø8/10	-447	-72960	SLD 5	16650	55098	49740	2.5	111.24	-1314	-72696	SLD 13	16402	48385	54563	2.5	36.81	Si
272	5X/2Y Ø8/10	-447	-72827	SLD 5	16633	55098	49723	2.5	111.2	-1314	-72564	SLD 13	16384	48385	54544	2.5	36.81	Si
301	5X/2Y Ø8/10	-447	-72695	SLD 5	16617	55098	49706	2.5	111.16	-1314	-72432	SLD 13	16366	48385	54525	2.5	36.81	Si
331	5X/2Y Ø8/10	-447	-72563	SLD 5	16600	55098	49689	2.5	111.12	-1314	-72299	SLD 13	16348	48385	54507	2.5	36.81	Si
360	5X/2Y Ø8/10	-447	-72432	SLD 5	16584	55098	49672	2.5	111.09	-1314	-72169	SLD 13	16330	48385	54488	2.5	36.81	Si
380	5X/2Y Ø8/10	-734	-52774	SLD 5	14137	55098	47140	2.5	64.25	-625	-51532	SLD 15	13510	48385	51571	2.5	77.38	Si
409	5X/2Y Ø8/10	-734	-52643	SLD 5	14121	55098	47123	2.5	64.23	-625	-51401	SLD 15	13492	48385	51552	2.5	77.38	Si
438	5X/2Y Ø8/10	-734	-52513	SLD 5	14104	55098	47107	2.5	64.2	-625	-51271	SLD 15	13474	48385	51534	2.5	77.38	Si
467	5X/2Y Ø8/14.4	-734	-52382	SLD 5	14088	38145	47090	2.5	51.99	-625	-51140	SLD 15	13456	33497	51515	2.5	53.57	Si
496	5X/2Y Ø8/14.4	-734	-52252	SLD 5	14072	38145	47073	2.5	51.99	-625	-51010	SLD 15	13438	33497	51497	2.5	53.57	Si
525	5X/2Y Ø8/14.4	-734	-52121	SLD 5	14056	38145	47056	2.5	51.99	-625	-50879	SLD 15	13420	33497	51478	2.5	53.57	Si
554	5X/2Y Ø8/14.4	-734	-51991	SLD 5	14039	38145	47039	2.5	51.99	-625	-50749	SLD 15	13402	33497	51460	2.5	53.57	Si
583	5X/2Y Ø8/14.4	-734	-51860	SLD 5	14023	38145	47023	2.5	51.99	-625	-50618	SLD 15	13385	33497	51441	2.5	53.57	Si
612	5X/2Y Ø8/10	-734	-51730	SLD 5	14007	55098	47006	2.5	64.07	-625	-50488	SLD 15	13367	48385	51423	2.5	77.38	Si
641	5X/2Y Ø8/10	-734	-51599	SLD 5	13991	55098	46989	2.5	64.04	-625	-50357	SLD 15	13349	48385	51404	2.5	77.38	Si
670	5X/2Y Ø8/10	-734	-51469	SLD 5	13974	55098	46972	2.5	64.02	-625	-50227	SLD 15	13331	48385	51386	2.5	77.38	Si
690	5X/2Y Ø8/10	-559	-31851	SLD 5	11532	55098	44446	2.5	79.58	-953	-31736	SLD 13	10804	48385	48772	2.5	50.79	Si
719	5X/2Y Ø8/10	-559	-31721	SLD 5	11516	55098	44429	2.5	79.55	-953	-31605	SLD 13	10786	48385	48753	2.5	50.79	Si
748	5X/2Y Ø8/10	-559	-31590	SLD 5	11499	55098	44412	2.5	79.52	-953	-31475	SLD 13	10768	48385	48735	2.5	50.79	Si
777	5X/2Y Ø8/14.4	-559	-31460	SLD 5	11483	38145	44395	2.5	68.3	-953	-31344	SLD 13	10751	33497	48717	2.5	35.16	Si
806	5X/2Y Ø8/14.4	-559	-31329	SLD 5	11467	38145	44378	2.5	68.3	-953	-31214	SLD 13	10733	33497	48698	2.5	35.16	Si
835	5X/2Y Ø8/14.4	-559	-31199	SLD 5	11451	38145	44362	2.5	68.3	-953	-31083	SLD 13	10715	33497	48680	2.5	35.16	Si
864	5X/2Y Ø8/14.4	-559	-31068	SLD 5	11434	38145	44345	2.5	68.3	-953	-30953	SLD 13	10697	33497	48661	2.5	35.16	Si
893	5X/2Y Ø8/14.4	-559	-30938	SLD 5	11418	38145	44328	2.5	68.3	-953	-30822	SLD 13	10679	33497	48643	2.5	35.16	Si
922	5X/2Y Ø8/10	-559	-30807	SLD 5	11402	55098	44311	2.5	79.34	-953	-30692	SLD 13	10661	48385	48624	2.5	50.79	Si
951	5X/2Y Ø8/10	-559	-30677	SLD 5	11386	55098	44294	2.5	79.31	-953	-30561	SLD 13	10644	48385	48606	2.5	50.79	Si
980	5X/2Y Ø8/10	-559	-30546	SLD 5	11369	55098	44278	2.5	79.28	-953	-30431	SLD 13	10626	48385	48587	2.5	50.79	Si
1000	4X/2Y Ø8/10	-1310	-11130	SLD 9	7691	44078	35053	2.5	26.76	575	-10178	SLD 3	6969	39534	37595	2.5	65.41	Si
1029	4X/2Y Ø8/10	-1310	-11021	SLD 9	7678	44078	35039	2.5	26.75	575	-10070	SLD 3	6954	39534	37580	2.5	65.39	Si
1058	4X/2Y Ø8/10	-1310	-10912	SLD 9	7664	44078	35025	2.5	26.74	575	-9961	SLD 3	6939	39534	37565	2.5	65.36	Si
1087	4X/2Y Ø8/14.4	-1310	-10804	SLD 9	7650	30516	35011	2.5	23.3	575	-9852	SLD 3	6925	27370	37550	2.5	47.62	Si
1116	4X/2Y Ø8/14.4	-1310	-10695	SLD 9	7637	30516	34997	2.5	23.3	575	-9743	SLD 3	6910	27370	37535	2.5	47.62	Si
1145	4X/2Y Ø8/14.4	-1310	-10586	SLD 9	7623	30516	34983	2.5	23.3	575	-9635	SLD 3	6896	27370	37520	2.5	47.62	Si
1174	4X/2Y Ø8/14.4	-1310	-10477	SLD 9	7610	30516	34969	2.5	23.3	575	-9526	SLD 3	6881	27370	37505	2.5	47.62	Si
1203	4X/2Y Ø8/14.4	-1310	-10369	SLD 9	7596	30516	34955	2.5	23.3	575	-9417	SLD 3	6867	27370	37489	2.5	47.62	Si
1232	4X/2Y Ø8/10	-1310	-10260	SLD 9	7583	44078	34941	2.5	26.68	575	-9308	SLD 3	6852	39534	37474	2.5	65.21	Si
1261	4X/2Y Ø8/10	-1310	-10151	SLD 9	7569	44078	34927	2.5	26.67	575	-9200	SLD 3	6837	39534	37459	2.5	65.18	Si
1290	4X/2Y Ø8/10	-1310	-10042	SLD 9	7556	44078	34913	2.5	26.66	575	-9091	SLD 3	6823	39534	37444	2.5	65.15	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	482425	37239	-78953	SLE RA 7	-63.8	482425	37239	-78953	SLE RA 7	-878.3	Si
-111	432592	33147	-78823	SLE RA 7	-61	432592	33147	-78823	SLE RA 7	-844.6	Si
-81	381897	28984	-78690	SLE RA 7	-58.2	381897	28984	-78690	SLE RA 7	-810.4	Si
-52	331202	24821	-78558	SLE RA 7	-55.3	331202	24821	-78558	SLE RA 7	-776.1	Si
-22	280507	20658	-78426	SLE RA 7	-52.5	280507	20658	-78426	SLE RA 7	-741.9	Si
7	229812	16495	-78293	SLE RA 7	-49.6	229812	16495	-78293	SLE RA 7	-707.7	Si
36	179117	12332	-78161	SLE RA 7	-46.8	118037	15867	-82911	SLE RA 13	-674.8	Si
66	83616	11165	-82778	SLE RA 13	-44.4	83616	11165	-82778	SLE RA 13	-649.5	Si
95	49195	6462	-82646	SLE RA 13	-42.2	49195	6462	-82646	SLE RA 13	-624.3	Si
125	14429	1713	-82512	SLE RA 13	-40.1	14429	1713	-82512	SLE RA 13	-598.9	Si
154	-20558	-2983	-82328	SLE RA 11	-40.4	-20558	-2983	-82328	SLE RA 11	-602.3	Si
184	-54069	-7644	-82249	SLE RA 13	-42.4	-54069	-7644	-82249	SLE RA 13	-625.4	Si
213	-87974	-12276	-82119	SLE RA 13	-44.4	-87974	-12276	-82119	SLE RA 13	-648.4	Si
242	-175748	-16810	-77235	SLE RA 7	-46.6	-122911	-17049	-81984	SLE RA 13	-672	Si
272	-226443	-20973	-77102	SLE RA 7	-49.3	-226443	-20973	-77102	SLE RA 7	-701.1	Si
301	-277137	-25136	-76970	SLE RA 7	-52.1	-277137	-25136	-76970	SLE RA 7	-733.5	Si
331	-327832	-29299	-76837	SLE RA 7	-54.8	-327832	-29299	-76837	SLE RA 7	-765.8	Si
360	-377666	-33391	-76707	SLE RA 7	-57.4	-377666	-33391	-76707	SLE RA 7	-797.6	Si
380	-235039	56339	-55992	SLE RA 7	-42.9	-235039	56339	-55992	SLE RA 7	-586.8	Si
409	-218327	46029	-55861	SLE RA 7	-41.1	-218327	46029	-55861	SLE RA 7	-566.9	Si
438	-201616	35719	-55731	SLE RA 7	-39.3	-201616	35719	-55731	SLE RA 7	-547.1	Si
467	-184904	25409	-55600	SLE RA 7	-37.5	-184904	25409	-55600	SLE RA 7	-527.3	Si
496	-168192	15100	-55470	SLE RA 7	-35.7	-168192	15100	-55470	SLE RA 7	-507.5	Si
525	-151481	4790	-55339	SLE RA 7	-33.9	-151481	4790	-55339	SLE RA 7	-487.7	Si
554	-134769	-5520	-55209	SLE RA 7	-33.2	-88320	-7419	-58776	SLE RA 13	-477.7	Si
583	-83377	-18722	-58646	SLE RA 13	-33.6	-83377	-18722	-58646	SLE RA 13	-483.8	Si
612	-78433	-30026	-58515	SLE RA 13	-34.3	-78433	-30026	-58515	SLE RA 13	-490	Si
641	-73489	-41329	-58385	SLE RA 13	-35	-73489	-41329	-58385	SLE RA 13	-496.2	Si
670	-59558	-57625	-58282	SLE RA 12	-35.8	-68546	-52632	-58254	SLE RA 13	-502.4	Si
690	78151	43639	-36486	SLE RA 12	-25.1	78151	43639	-36486	SLE RA 12	-344.7	Si
719	60249	37616	-36356	SLE RA 12	-23.6	60249	37616	-36356	SLE RA 12	-327.9	Si
748	42347	31593	-36225	SLE RA 12	-22.1	42347	31593	-36225	SLE RA 12	-311.2	Si
777	21001	27518	-36085	SLE RA 13	-20.7	24446	25570	-36095	SLE RA 12	-294.5	Si
806	4570	21093	-35955	SLE RA 13	-19.3	4570	21093	-35955	SLE RA 13	-277.9	Si
835	-11861	14669	-35824	SLE RA 13	-18.9	-11861	14669	-35824	SLE RA 13	-275.6	Si
864	-28292	8245	-35694	SLE RA 13	-19.1	-28292	8245	-35694	SLE RA 13	-278.6	Si
893	-47162	1478	-35573	SLE RA 12	-19.3	-47162	1478	-35573	SLE RA 12	-282.8	Si
922	-65063	-4545	-35442	SLE RA 12	-20.4	-65063	-4545	-35442	SLE RA 12	-295	Si
951	-82965	-10568	-35312	SLE RA 12	-21.7	-82965	-10568	-35312	SLE RA 12	-309.2	Si
980	-100867	-16591	-35181	SLE RA 12	-21.8	-100867	-16591	-35181	SLE RA 12	-307.3	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1000	47280	106903	-13403	SLE RA 13	-21.9	47280	106903	-13403	SLE RA 13	-258.6	Si
1029	46836	73073	-13294	SLE RA 13	-18.6	46836	73073	-13294	SLE RA 13	-227.1	Si
1058	46392	39244	-13185	SLE RA 13	-15.1	46392	39244	-13185	SLE RA 13	-193	Si
1087	45948	5415	-13076	SLE RA 13	-11.3	45948	5415	-13076	SLE RA 13	-155.6	Si
1116	45503	-28414	-12968	SLE RA 13	-13.7	45503	-28414	-12968	SLE RA 13	-178.9	Si
1145	45059	-62244	-12859	SLE RA 13	-17.4	45059	-62244	-12859	SLE RA 13	-213.8	Si
1174	44615	-96073	-12750	SLE RA 13	-21	44615	-96073	-12750	SLE RA 13	-248.6	Si
1203	44171	-129902	-12641	SLE RA 13	-24.7	44171	-129902	-12641	SLE RA 13	-283.5	Si
1232	43726	-163731	-12533	SLE RA 13	-36	45039	-162765	-12502	SLE RA 11	-365.6	Si
1261	43282	-197561	-12424	SLE RA 13	-43	43282	-197561	-12424	SLE RA 13	500	Si
1290	42838	-231390	-12315	SLE RA 13	-44.5	42838	-231390	-12315	SLE RA 13	536.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	31620	35094	-72676	SLE QP 2	-39.3	Si
-111	26922	31238	-72545	SLE QP 2	-38.7	Si
-81	22142	27314	-72413	SLE QP 2	-38	Si
-52	17362	23391	-72281	SLE QP 2	-37.4	Si
-22	12582	19467	-72148	SLE QP 2	-36.7	Si
7	7803	15544	-72016	SLE QP 2	-36.1	Si
36	3023	11620	-71884	SLE QP 2	-35.4	Si
66	-1757	7697	-71751	SLE QP 2	-34.9	Si
95	-6537	3773	-71619	SLE QP 2	-34.7	Si
125	-11364	-189	-71485	SLE QP 2	-34.6	Si
154	-16096	-4073	-71354	SLE QP 2	-35.1	Si
184	-20876	-7997	-71222	SLE QP 2	-35.6	Si
213	-25584	-11862	-71092	SLE QP 2	-36.1	Si
242	-30435	-15844	-70957	SLE QP 2	-36.7	Si
272	-35215	-19767	-70825	SLE QP 2	-37.2	Si
301	-39995	-23691	-70693	SLE QP 2	-37.7	Si
331	-44775	-27614	-70560	SLE QP 2	-38.2	Si
360	-49473	-31471	-70430	SLE QP 2	-38.7	Si
380	39546	58304	-51260	SLE QP 2	-31.6	Si
409	31228	47332	-51129	SLE QP 2	-30.1	Si
438	22910	36360	-50999	SLE QP 2	-28.7	Si
467	14592	25389	-50868	SLE QP 2	-27.2	Si
496	6274	14417	-50738	SLE QP 2	-25.8	Si
525	-2044	3445	-50607	SLE QP 2	-24.5	Si
554	-10361	-7527	-50477	SLE QP 2	-25.2	Si
583	-18679	-18499	-50346	SLE QP 2	-26.5	Si
612	-26997	-29470	-50216	SLE QP 2	-27.9	Si
641	-35315	-40442	-50085	SLE QP 2	-29.2	Si
670	-43633	-51414	-49955	SLE QP 2	-30.5	Si
690	55338	39820	-30892	SLE QP 2	-21	Si
719	42415	33785	-30761	SLE QP 2	-19.7	Si
748	29492	27749	-30631	SLE QP 2	-18.5	Si
777	16570	21714	-30500	SLE QP 2	-17.3	Si
806	3647	15679	-30370	SLE QP 2	-16.1	Si
835	-9276	9643	-30239	SLE QP 2	-15.7	Si
864	-22198	3608	-30109	SLE QP 2	-15.7	Si
893	-35121	-2428	-29978	SLE QP 2	-16.2	Si
922	-48043	-8463	-29848	SLE QP 2	-17.3	Si
951	-60966	-14499	-29717	SLE QP 2	-18.3	Si
980	-73889	-20534	-29587	SLE QP 2	-18.4	Si
1000	31732	87691	-10561	SLE QP 2	-17.3	Si
1029	32098	60972	-10453	SLE QP 2	-14.7	Si
1058	32464	34254	-10344	SLE QP 2	-12	Si
1087	32830	7535	-10235	SLE QP 2	-9	Si
1116	33196	-19183	-10126	SLE QP 2	-10.2	Si
1145	33562	-45902	-10018	SLE QP 2	-13.1	Si
1174	33927	-72620	-9909	SLE QP 2	-16	Si
1203	34293	-99339	-9800	SLE QP 2	-19	Si
1232	34659	-126057	-9691	SLE QP 2	-21.9	Si
1261	35025	-152776	-9583	SLE QP 2	-33.5	Si
1290	35391	-179494	-9474	SLE QP 2	-34.8	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

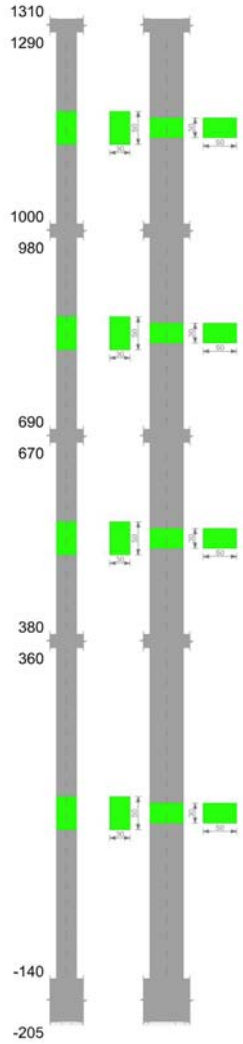
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.

Pilastro 30A

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x50	No	No	No	No		C30/37	B450C	
380	670	R 30x50	No	No	No	No		C30/37	B450C	
690	980	R 30x50	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.67	-19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.67	19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.67	19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.9	-6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.9	6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.9	-6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.9	6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.2	-9.67	-19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.67	-19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.67	19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.67	19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.9	-6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.9	6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.9	-6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.9	6.9	1.6	2.011	-140	380	R 30x50	B450C
p.3	-9.67	-19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	9.67	-19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	9.67	19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.67	19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.9	-6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.9	6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	9.9	-6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	9.9	6.9	1.6	2.011	380	690	R 30x50	B450C
p.4	-9.67	-19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.67	-19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.67	19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.67	19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.9	-6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.9	6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.9	-6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.9	6.9	1.6	2.011	690	1000	R 30x50	B450C
p.5	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.5	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.6	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.6	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.6	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.6	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2.1	0	1,2	150480	127698	-47077	773048	656009	SLU 51	5.137	Si
-111	16.08	2.1	0	1,2	138039	127315	-46937	718073	662291	SLU 51	5.202	Si
-81	16.08	1.1	0	2	126930	-126930	-46795	667210	-667210	SLU 52	5.257	Si
-52	16.08	1.1	0	2	126541	-126541	-46651	667210	-667210	SLU 52	5.273	Si
-22	16.08	1.1	0	2	126152	-126152	-46508	667210	-667210	SLU 52	5.289	Si
7	16.08	1.1	0	2	125763	125763	-46364	667210	667210	SLU 52	5.305	Si
36	16.08	1.1	0	2	125374	125374	-46221	667210	667210	SLU 52	5.322	Si
66	16.08	1.1	0	2	124986	124986	-46078	667210	667210	SLU 52	5.338	Si
95	16.08	1.1	0	2	124597	124597	-45934	667210	667210	SLU 52	5.355	Si
125	16.08	1.1	0	2	124204	124204	-45789	667210	667210	SLU 52	5.372	Si
154	16.08	1.1	0	2	123819	123819	-45647	667210	667210	SLU 52	5.389	Si
184	16.08	1.1	0	2	123430	123430	-45504	667210	667210	SLU 52	5.406	Si
213	16.08	1.1	0	2	-123047	123047	-45363	-667210	667210	SLU 52	5.422	Si
242	16.08	1.1	0	2	-122652	122652	-45217	-667210	667210	SLU 52	5.44	Si
272	16.08	1.1	0	2	-122263	122263	-45074	-667210	667210	SLU 52	5.457	Si
301	16.08	1.1	0	2	-116212	145708	-42843	-632129	792572	SLU 46	5.439	Si
331	16.08	1.1	0	2	-115823	162934	-42700	-611578	860337	SLU 46	5.28	Si
360	16.08	1.1	0	2	-115441	179867	-42559	-591378	921418	SLU 46	5.123	Si
380	16.08	2.1	0	2,3	67651	-167339	-33825	418567	-1035351	SLU 51	6.187	Si
409	16.08	2.1	0	2,3	67368	-140531	-33684	446254	-930892	SLU 51	6.624	Si
438	16.08	1.1	0	3	67088	-113717	-33544	476109	-807033	SLU 49	7.097	Si
467	16.08	1.1	0	3	66805	-86941	-33402	506425	-659068	SLU 49	7.581	Si
496	16.08	1.1	0	3	66522	-66522	-33261	530708	-530708	SLU 49	7.978	Si
525	16.08	1.1	0	3	66239	-66239	-33120	530708	-530708	SLU 49	8.012	Si
554	16.08	1.1	0	3	-65957	-65957	-32978	-530708	-530708	SLU 49	8.046	Si
583	16.08	1.1	0	3	-65674	65674	-32837	-530708	530708	SLU 49	8.081	Si
612	16.08	1.1	0	3	-65391	65391	-32696	-530708	530708	SLU 49	8.116	Si
641	16.08	1.1	0	3	-64986	79247	-32493	-513228	625857	SLU 52	7.898	Si
670	16.08	1.1	0	3	-64823	100738	-32412	-486531	756091	SLU 51	7.505	Si
690	16.08	2.1	0	3,4	90857	-79501	-21474	911838	-797868	SLU 52	10.036	Si
719	16.08	2.1	0	3,4	73490	-60886	-21333	816627	-676576	SLU 52	11.112	Si
748	16.08	1.1	0	4	56122	-42382	-21191	688495	-519942	SLU 52	12.268	Si
777	16.08	1.1	0	4	42174	-42174	-21087	530708	-530708	SLU 49	12.584	Si
806	16.08	1.1	0	4	41891	-41891	-20946	530708	-530708	SLU 49	12.669	Si
835	16.08	1.1	0	4	-41609	41609	-20804	-530708	530708	SLU 49	12.755	Si
864	16.08	1.1	0	4	-41326	41326	-20663	-530708	530708	SLU 49	12.842	Si
893	16.08	1.1	0	4	-41037	52500	-20519	-508253	650217	SLU 51	12.385	Si
922	16.08	1.1	0	4	-46586	71595	-20377	-534422	821331	SLU 51	11.472	Si
951	16.08	1.1	0	4	-61164	90691	-20236	-639541	948277	SLU 51	10.456	Si
980	16.08	1.1	0	4	-75743	109787	-20094	-718658	1041668	SLU 51	9.488	Si
1000	16.08	2.1	0	4,5,6	70910	-140637	-8903	636749	-1262874	SLU 51	8.98	Si
1029	16.08	2.1	0	4,5,6	54557	-113175	-8762	632954	-1313018	SLU 51	11.602	Si
1058	16.08	1.1	0	5,6	38204	-85713	-8620	582855	-1307661	SLU 51	15.256	Si
1087	16.08	1.1	0	5,6	21852	-58252	-8479	453560	-1209092	SLU 51	20.756	Si
1116	16.08	1.1	0	5,6	16643	-31188	-8321	462020	-865828	SLU 52	27.761	Si
1145	16.08	1.1	0	5,6	-16403	-16403	-8202	-530708	-530708	SLU 49	32.353	Si
1174	16.08	1.1	0	5,6	-30003	23125	-8044	-873489	673233	SLU 50	29.113	Si
1203	16.08	1.1	0	5,6	-43560	51595	-7914	-902903	1069464	SLU 51	20.728	Si
1232	16.08	1.1	0	5,6	-59912	79057	-7772	-895583	1181759	SLU 51	14.948	Si
1261	16.08	1.1	0	5,6	-76265	106519	-7631	-841922	1175901	SLU 51	11.039	Si
1290	22.11	2.1	0	5,6	-92618	133980	-7489	-911337	1318330	SLU 51	9.84	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	16.08	2.1	0	1,2	647286	234487	-31972	-2.02	1.92	1333321	483011	SLV 5	2.06				Si
-111	16.08	2.1	0	1,2	600847	218507	-31864	-2.02	1.92	1341531	487867	SLV 5	2.233				Si
-81	16.08	1.1	0	2	553637	202254	-31753	-2.02	1.92	1350001	493182	SLV 5	2.438				Si
-52	16.08	1.1	0	2	506468	186009	-31643	-2.02	1.92	1357284	498484	SLV 5	2.68				Si
-22	16.08	1.1	0	2	459356	169772	-31533	-2.02	1.92	1362643	503615	SLV 5	2.966				Si
7	16.08	1.1	0	2	412315	153547	-31423	-2.02	1.92	1363100	507622	SLV 5	3.306				Si
36	16.08	1.1	0	2	365371	137340	-31312	-2.02	1.92	1354506	509148	SLV 5	3.707				Si
66	16.08	1.1	0	2	318577	121163	-31202	-2.02	1.92	1330543	506039	SLV 5	4.177				Si
95	16.08	1.1	0	2	271990	105033	-31092	-2.02	1.92	1283253	495546	SLV 5	4.718				Si
125	16.08	1.1	0	2	225259	88827	-30980	-2.02	1.92	1202231	474077	SLV 5	5.337				Si
154	16.08	1.1	0	2	180070	73161	-30871	-2.02	1.92	1081255	439304	SLV 5	6.005				Si
184	16.08	1.1	0	2	135527	58008	-30761	-2.02	1.92	912275	390474	SLV 5	6.731				Si
213	16.08	1.1	0	2	93869	45924	-30652	-2.02	1.92	701743	343316	SLV 5	7.476				Si
242	16.08	1.1	0	2	37562	45832	-31646	-2.02	1.92	303327	370103	SLV 9	8.075				Si
272	16.08	1.1	0	2	-30937	68927	-31079	-2.02	1.92	-238056	530383	SLV 13	7.695				Si
301	16.08	1.1	0	2	-70342	89992	-30969	-2.02	1.92	-480981	615338	SLV 13	6.838				Si
331	16.08	1.1	0	2	-95680	111598	-30859	-2.02	1.92	-595366	694411	SLV 13	6.222				Si
360	16.08	1.1	0	2	-125216	132994	-30750	-2.02	1.92	-703064	746735	SLV 13	5.615				Si
380	16.08	2.1	0	2,3	-35463	-192353	-22085	-2.02	1.92	-206561	-1120407	SLV 15	5.825				Si
409	16.08	2.1	0	2,3	-32313	-158923	-21977	-2.02	1.92	-218258	-1073444	SLV 15	6.754				Si
438	16.08	1.1	0	3	-31127	-125884	-21868	-2.02	1.92	-243179	-983461	SLV 15	7.812				Si
467	16.08	1.1	0	3	-32996	-93748	-21759	-2.02	1.92	-294156	-835766	SLV 15	8.915				Si
496	16.08	1.1	0	3	-39059	-57116	-22797	-2.02	1.92	-385540	-563774	SLV 13	9.871				Si
525	16.08	1.1	0	3	55013	-32069	-21542	-2.02	1.92	602385	-351150	SLV 15	10.95				Si
554	16.08	1.1	0	3	-82080	-24784	-22146	-2.02	1.92	-844628	-255039	SLV 5	10.29				Si
583	16.08	1.1	0	3	57065	53768	-21324	-2.02	1.92	574314	541127	SLV 15	10.064				Si
612	16.08	1.1	0	3	60882	86197	-21215	-2.02	1.92	536074	758981	SLV 15	8.805				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
641	16.08	1.1	0	3	65695	119355	-21107	-2.02	1.92	499676	907808	SLV 15	7.606				Si
670	16.08	1.1	0	3	71168	152843	-20998	-2.02	1.92	462914	994167	SLV 15	6.505				Si
690	16.08	2.1	0	3,4	114371	-107010	-14574	-2.02	1.92	873444	-817228	SLV 13	7.637				Si
719	16.08	2.1	0	3,4	97180	-82827	-14466	-2.02	1.92	903303	-769894	SLV 13	9.295				Si
748	16.08	1.1	0	4	82206	-71392	-14357	-2.02	1.92	862375	-748929	SLV 13	10.49				Si
777	16.08	1.1	0	4	70256	-45572	-14248	-2.02	1.92	896810	-581712	SLV 13	12.765				Si
806	16.08	1.1	0	4	62055	-18836	-13415	-2.02	1.92	981378	-297885	SLV 15	15.815				Si
835	16.08	1.1	0	4	57716	36357	-13306	-2.02	1.92	843763	531509	SLV 15	14.619				Si
864	16.08	1.1	0	4	56537	59764	-13197	-2.02	1.92	719361	760423	SLV 15	12.724				Si
893	16.08	1.1	0	4	57547	86601	-13089	-2.02	1.92	610197	918278	SLV 15	10.604				Si
922	16.08	1.1	0	4	59990	114655	-12980	-2.02	1.92	521683	997061	SLV 15	8.696				Si
951	16.08	1.1	0	4	63379	143231	-12871	-2.02	1.92	455925	1030342	SLV 15	7.194				Si
980	16.08	1.1	0	4	67412	172072	-12762	-2.02	1.92	409839	1046134	SLV 15	6.08				Si
1000	16.08	2.1	0	4,5,6	96908	-169966	-5644	-2.02	1.92	445376	-781141	SLV 13	4.596				Si
1029	16.08	2.1	0	4,5,6	80759	-134751	-5536	-2.02	1.92	503486	-840100	SLV 13	6.234				Si
1058	16.08	1.1	0	5,6	66224	-87663	-5144	-2.02	1.92	663081	-877750	SLV 15	10.013				Si
1087	16.08	1.1	0	5,6	53935	-58380	-5035	-2.02	1.92	781654	-846078	SLV 15	14.493				Si
1116	16.08	1.1	0	5,6	-40337	-27590	-5067	-2.02	1.92	-1030433	-704805	SLV 5	25.546				Si
1145	16.08	1.1	0	5,6	-55589	-21480	-4959	-2.02	1.92	-1338785	-517309	SLV 5	24.084				Si
1174	16.08	1.1	0	5,6	32545	47229	-4709	-2.02	1.92	645719	937056	SLV 15	19.841				Si
1203	16.08	1.1	0	5,6	29483	81844	-4600	-2.02	1.92	378119	1049666	SLV 15	12.825				Si
1232	16.08	1.1	0	5,6	27623	116952	-4491	-2.02	1.92	230316	975133	SLV 15	8.338				Si
1261	16.08	1.1	0	5,6	26587	152249	-4382	-2.02	1.92	155439	890098	SLV 15	5.846				Si
1290	22.11	2.1	0	5,6	26116	187637	-4274	-2.02	1.92	154501	1110048	SLV 15	5.916				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2.1	0	1,2	301610	116848	-30788	1314183	509132	SLD 5	4.357	Si
-111	16.08	2.1	0	1,2	279221	110154	-30680	1288093	508157	SLD 5	4.613	Si
-81	16.08	1.1	0	2	256465	103347	-30570	1254536	505536	SLD 5	4.892	Si
-52	16.08	1.1	0	2	233734	96544	-30459	1212607	500867	SLD 5	5.188	Si
-22	16.08	1.1	0	2	211037	89746	-30349	1161122	493779	SLD 5	5.502	Si
7	16.08	1.1	0	2	188383	82955	-30239	1098925	483912	SLD 5	5.833	Si
36	16.08	1.1	0	2	165788	76174	-30128	1025138	471014	SLD 5	6.183	Si
66	16.08	1.1	0	2	143286	69410	-30018	938734	454740	SLD 5	6.551	Si
95	16.08	1.1	0	2	120911	62674	-29908	839206	435002	SLD 5	6.941	Si
125	16.08	1.1	0	2	98511	55921	-29796	724960	411530	SLD 5	7.359	Si
154	16.08	1.1	0	2	76938	49429	-29687	600767	385969	SLD 5	7.809	Si
184	16.08	1.1	0	2	55827	43256	-29577	463233	358923	SLD 5	8.298	Si
213	16.08	1.1	0	2	36368	38593	-29468	318974	338488	SLD 5	8.771	Si
242	16.08	1.1	0	2	-30705	35940	-29026	-278204	325632	SLD 15	9.061	Si
272	16.08	1.1	0	2	-22065	47394	-29499	-192523	413518	SLD 13	8.725	Si
301	16.08	1.1	0	2	-55582	48451	-29567	-454040	395789	SLD 9	8.169	Si
331	16.08	1.1	0	2	-74128	53843	-29457	-577514	419476	SLD 9	7.791	Si
360	16.08	1.1	0	2	-94387	59220	-29348	-700467	439483	SLD 9	7.421	Si
380	16.08	2.1	0	2,3	27293	-130678	-22052	209724	-1004153	SLD 13	7.684	Si
409	16.08	2.1	0	2,3	22327	-109180	-21943	189845	-928332	SLD 13	8.503	Si
438	16.08	1.1	0	3	16897	-87849	-21835	158562	-824364	SLD 13	9.384	Si
467	16.08	1.1	0	3	42364	-52039	-21876	436027	-535601	SLD 9	10.292	Si
496	16.08	1.1	0	3	34628	-46958	-20275	391019	-530247	SLD 11	11.292	Si
525	16.08	1.1	0	3	27615	-26815	-21061	338646	-328829	SLD 15	12.263	Si
554	16.08	1.1	0	3	-40494	-13917	-21231	-504094	-173246	SLD 5	12.448	Si
583	16.08	1.1	0	3	18941	29564	-20843	236517	369170	SLD 15	12.487	Si
612	16.08	1.1	0	3	15773	52227	-20735	178605	591410	SLD 15	11.324	Si
641	16.08	1.1	0	3	13075	75274	-20626	134901	776623	SLD 15	10.317	Si
670	16.08	1.1	0	3	10707	98504	-20517	100736	926787	SLD 15	9.409	Si
690	16.08	2.1	0	3,4	73903	-72821	-13801	800169	-788454	SLD 13	10.827	Si
719	16.08	2.1	0	3,4	61993	-56184	-13692	779370	-706346	SLD 13	12.572	Si
748	16.08	1.1	0	4	50871	-45002	-13584	715325	-632800	SLD 13	14.062	Si
777	16.08	1.1	0	4	40788	-27961	-13475	662521	-454174	SLD 13	16.243	Si
806	16.08	1.1	0	4	31981	-10032	-13083	618117	-193890	SLD 15	19.328	Si
835	16.08	1.1	0	4	24542	22310	-12974	453206	411992	SLD 15	18.466	Si
864	16.08	1.1	0	4	18339	38196	-12865	311850	649502	SLD 15	17.004	Si
893	16.08	1.1	0	4	13096	55624	-12756	202232	858947	SLD 15	15.442	Si
922	16.08	1.1	0	4	8539	73690	-12648	117958	1017908	SLD 15	13.813	Si
951	16.08	1.1	0	4	4463	92050	-12539	54486	1123825	SLD 15	12.209	Si
980	16.08	1.1	0	4	-28229	100262	-12714	-300852	1068533	SLD 13	10.657	Si
1000	16.08	2.1	0	4,5,6	68963	-118959	-5337	512248	-883605	SLD 13	7.428	Si
1029	16.08	2.1	0	4,5,6	56214	-95719	-5228	552927	-941501	SLD 13	9.836	Si
1058	16.08	1.1	0	5,6	43977	-67522	-5009	608897	-934883	SLD 15	13.846	Si
1087	16.08	1.1	0	5,6	32499	-46706	-4900	651439	-936221	SLD 15	20.045	Si
1116	16.08	1.1	0	5,6	22044	-23356	-4791	738394	-782337	SLD 15	33.496	Si
1145	16.08	1.1	0	5,6	-25442	-12724	-4737	-994979	-497629	SLD 5	39.108	Si
1174	16.08	1.1	0	5,6	4699	23768	-4574	187829	949971	SLD 15	39.968	Si
1203	16.08	1.1	0	5,6	-16357	40850	-4576	-417500	1042684	SLD 13	25.525	Si
1232	16.08	1.1	0	5,6	-24975	62027	-4467	-418696	1039878	SLD 13	16.765	Si
1261	16.08	1.1	0	5,6	-14593	93048	-4247	-173818	1108266	SLD 15	11.911	Si
1290	22.11	2.1	0	5,6	-20106	116369	-4139	-215521	1247404	SLD 15	10.719	Si

Verifica a taglio in famiglia SLU

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	594	-30631	SLU 7	10119	39671	40430	2.25	66.74	-430	-47077	SLU 51	11913	39534	42710	2.5	91.87	Si
-111	4X/2Y Ø8/10	594	-30523	SLU 7	10105	39671	40415	2.25	66.74	-430	-46937	SLU 51	11894	39534	42690	2.5	91.87	Si
-81	4X/2Y Ø8/10	594	-30412	SLU 7	10092	39671	40400	2.25	66.74	-430	-46793	SLU 51	11875	39534	42670	2.5	91.87	Si
-52	4X/2Y Ø8/10	594	-30302	SLU 7	10078	39671	40385	2.25	66.74	-430	-46650	SLU 51	11856	39534	42651	2.5	91.87	Si
-22	4X/2Y Ø8/15	594	-30192	SLU 7	10064	29386	37508	2.5	49.44	-430	-46506	SLU 51	11836	26356	42631	2.5	61.25	Si
7	4X/2Y Ø8/15	594	-30081	SLU 7	10051	29386	37494	2.5	49.44	-430	-46363	SLU 51	11817	26356	42611	2.5	61.25	Si
36	4X/2Y Ø8/15	594	-29971	SLU 7	10037	29386	37480	2.5	49.44	-430	-46220	SLU 51	11798	26356	42591	2.5	61.25	Si
66	4X/2Y Ø8/15	594	-29861	SLU 7	10023	29386	37465	2.5	49.44	-430	-46076	SLU 51	11779	26356	42571	2.5	61.25	Si
95	4X/2Y Ø8/15	594	-29750	SLU 7	10009	29386	37451	2.5	49.44	-430	-45933	SLU 51	11760	26356	42551	2.5	61.25	Si
125	4X/2Y Ø8/15	594	-29639	SLU 7	9995	29386	37437	2.5	49.44	-430	-45788	SLU 51	11740	26356	42531	2.5	61.25	Si
154	4X/2Y Ø8/15	594	-29530	SLU 7	9982	29386	37423	2.5	49.44	-430	-45646	SLU 51	11721	26356	42511	2.5	61.25	Si
184	4X/2Y Ø8/15	594	-29420	SLU 7	9968	29386	37409	2.5	49.44	-430	-45503	SLU 51	11702	26356	42492	2.5	61.25	Si
213	4X/2Y Ø8/15	594	-29311	SLU 7	9955	29386	37395	2.5	49.44	-430	-45361	SLU 51	11683	26356	42472	2.5	61.25	Si
242	4X/2Y Ø8/10	594	-29199	SLU 7	9941	39671	40232	2.25	66.74	-430	-45216	SLU 51	11663	39534	42452	2.5	91.87	Si
272	4X/2Y Ø8/10	594	-29089	SLU 7	9927	39671	40217	2.25	66.74	-430	-45073	SLU 51	11644	39534	42432	2.5	91.87	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
301	4X/2Y Ø8/10	594	-28978	SLU 7	9913	39671	40201	2.25	66.74	-430	-44929	SLU 51	11625	39534	42412	2.5	91.87	Si
331	4X/2Y Ø8/10	594	-28868	SLU 7	9899	39671	40186	2.25	66.74	-430	-44786	SLU 51	11606	39534	42392	2.5	91.87	Si
360	4X/2Y Ø8/10	594	-28760	SLU 7	9886	39671	40171	2.25	66.74	-430	-44645	SLU 51	11587	39534	42373	2.5	91.87	Si
380	4X/2Y Ø8/10	924	-33825	SLU 51	10517	39671	40873	2.25	42.91	-400	-33827	SLU 49	10137	39534	40873	2.5	98.72	Si
409	4X/2Y Ø8/10	924	-33684	SLU 51	10499	39671	40854	2.25	42.91	-400	-33685	SLU 49	10118	39534	40853	2.5	98.72	Si
438	4X/2Y Ø8/10	924	-33543	SLU 51	10481	39671	40834	2.25	42.91	-400	-33544	SLU 49	10099	39534	40834	2.5	98.72	Si
467	4X/2Y Ø8/14.4	924	-33401	SLU 51	10464	30516	37921	2.5	33.01	-400	-33402	SLU 49	10080	27370	40814	2.5	68.34	Si
496	4X/2Y Ø8/14.4	924	-33260	SLU 51	10446	30516	37903	2.5	33.01	-400	-33261	SLU 49	10062	27370	40795	2.5	68.34	Si
525	4X/2Y Ø8/14.4	924	-33119	SLU 51	10429	30516	37885	2.5	33.01	-400	-33120	SLU 49	10043	27370	40775	2.5	68.34	Si
554	4X/2Y Ø8/14.4	924	-32977	SLU 51	10411	30516	37867	2.5	33.01	-400	-32978	SLU 49	10024	27370	40755	2.5	68.34	Si
583	4X/2Y Ø8/14.4	924	-32836	SLU 51	10393	30516	37849	2.5	33.01	-400	-32837	SLU 49	10005	27370	40736	2.5	68.34	Si
612	4X/2Y Ø8/10	924	-32694	SLU 51	10376	39671	40716	2.25	42.91	-400	-32696	SLU 49	9986	39534	40716	2.5	98.72	Si
641	4X/2Y Ø8/10	924	-32553	SLU 51	10358	39671	40697	2.25	42.91	-400	-32554	SLU 49	9967	39534	40697	2.5	98.72	Si
670	4X/2Y Ø8/10	924	-32412	SLU 51	10341	39671	40677	2.25	42.91	-400	-32413	SLU 49	9948	39534	40677	2.5	98.72	Si
690	4X/2Y Ø8/10	658	-21508	SLU 51	8983	38789	39754	2.2	58.91	-621	-20210	SLU 46	8313	38743	39556	2.45	62.43	Si
719	4X/2Y Ø8/10	658	-21367	SLU 51	8966	38789	39735	2.2	58.91	-621	-20069	SLU 46	8294	38743	39536	2.45	62.43	Si
748	4X/2Y Ø8/10	658	-21225	SLU 51	8948	38789	39715	2.2	58.91	-621	-19927	SLU 46	8275	38743	39516	2.45	62.43	Si
777	4X/2Y Ø8/14.4	658	-21084	SLU 51	8930	30516	36335	2.5	46.34	-621	-19786	SLU 46	8256	27370	38927	2.5	44.11	Si
806	4X/2Y Ø8/14.4	658	-20943	SLU 51	8913	30516	36317	2.5	46.34	-621	-19645	SLU 46	8237	27370	38907	2.5	44.11	Si
835	4X/2Y Ø8/14.4	658	-20801	SLU 51	8895	30516	36299	2.5	46.34	-621	-19503	SLU 46	8218	27370	38888	2.5	44.11	Si
864	4X/2Y Ø8/14.4	658	-20660	SLU 51	8878	30516	36280	2.5	46.34	-621	-19362	SLU 46	8199	27370	38868	2.5	44.11	Si
893	4X/2Y Ø8/14.4	658	-20519	SLU 51	8860	30516	36262	2.5	46.34	-621	-19220	SLU 46	8180	27370	38848	2.5	44.11	Si
922	4X/2Y Ø8/10	658	-20377	SLU 51	8842	38789	39595	2.2	58.91	-621	-19079	SLU 46	8161	38743	39397	2.45	62.43	Si
951	4X/2Y Ø8/10	658	-20236	SLU 51	8825	38789	39575	2.2	58.91	-621	-18938	SLU 46	8142	38743	39377	2.45	62.43	Si
980	4X/2Y Ø8/10	658	-20094	SLU 51	8807	38789	39555	2.2	58.91	-621	-18796	SLU 46	8123	38743	39357	2.45	62.43	Si
1000	4X/2Y Ø8/10	947	-8903	SLU 51	7414	37907	38554	2.15	40.03	-564	-8903	SLU 51	6798	37953	38525	2.4	67.31	Si
1029	4X/2Y Ø8/10	947	-8762	SLU 51	7396	37907	38533	2.15	40.03	-564	-8762	SLU 51	6779	37953	38505	2.4	67.31	Si
1058	4X/2Y Ø8/10	947	-8620	SLU 51	7379	37907	38513	2.15	40.03	-564	-8620	SLU 51	6760	37953	38485	2.4	67.31	Si
1087	4X/2Y Ø8/14.4	947	-8479	SLU 51	7361	30516	34712	2.5	32.23	-564	-8479	SLU 51	6741	27370	37359	2.5	48.54	Si
1116	4X/2Y Ø8/14.4	947	-8338	SLU 51	7343	30516	34693	2.5	32.23	-564	-8338	SLU 51	6722	27370	37340	2.5	48.54	Si
1145	4X/2Y Ø8/14.4	947	-8196	SLU 51	7326	30516	34675	2.5	32.23	-564	-8196	SLU 51	6703	27370	37320	2.5	48.54	Si
1174	4X/2Y Ø8/14.4	947	-8055	SLU 51	7308	30516	34657	2.5	32.23	-564	-8055	SLU 51	6684	27370	37301	2.5	48.54	Si
1203	4X/2Y Ø8/14.4	947	-7914	SLU 51	7291	30516	34639	2.5	32.23	-564	-7914	SLU 51	6665	27370	37281	2.5	48.54	Si
1232	4X/2Y Ø8/10	947	-7772	SLU 51	7273	37907	38392	2.15	40.03	-564	-7772	SLU 51	6646	37953	38364	2.4	67.31	Si
1261	4X/2Y Ø8/10	947	-7631	SLU 51	7255	37907	38372	2.15	40.03	-564	-7631	SLU 51	6627	37953	38344	2.4	67.31	Si
1290	4X/2Y Ø8/10	947	-7489	SLU 51	7238	37907	38352	2.15	40.03	-564	-7489	SLU 51	6608	37953	38323	2.4	67.31	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	-790	-28937	SLV 1	9908	39671	40195	2.25	50.24	-1613	-31972	SLV 5	9889	39534	40616	2.5	24.51	Si
-111	4X/2Y Ø8/10	-790	-28828	SLV 1	9894	39671	40180	2.25	50.24	-1613	-31864	SLV 5	9874	39534	40601	2.5	24.51	Si
-81	4X/2Y Ø8/10	-790	-28718	SLV 1	9881	39671	40165	2.25	50.24	-1613	-31753	SLV 5	9860	39534	40586	2.5	24.51	Si
-52	4X/2Y Ø8/10	-790	-28608	SLV 1	9867	39671	40150	2.25	50.24	-1613	-31643	SLV 5	9845	39534	40570	2.5	24.51	Si
-22	4X/2Y Ø8/15	-790	-28497	SLV 1	9853	29386	37290	2.5	37.21	-1613	-31533	SLV 5	9830	26356	40555	2.5	16.34	Si
7	4X/2Y Ø8/15	-790	-28387	SLV 1	9840	29386	37276	2.5	37.21	-1613	-31423	SLV 5	9815	26356	40540	2.5	16.34	Si
36	4X/2Y Ø8/15	-790	-28277	SLV 1	9826	29386	37261	2.5	37.21	-1613	-31312	SLV 5	9800	26356	40524	2.5	16.34	Si
66	4X/2Y Ø8/15	-790	-28166	SLV 1	9812	29386	37247	2.5	37.21	-1613	-31202	SLV 5	9786	26356	40509	2.5	16.34	Si
95	4X/2Y Ø8/15	-790	-28056	SLV 1	9798	29386	37233	2.5	37.21	-1613	-31092	SLV 5	9771	26356	40494	2.5	16.34	Si
125	4X/2Y Ø8/15	-790	-27945	SLV 1	9784	29386	37219	2.5	37.21	-1613	-30980	SLV 5	9756	26356	40478	2.5	16.34	Si
154	4X/2Y Ø8/15	-790	-27836	SLV 1	9771	29386	37205	2.5	37.21	-1613	-30871	SLV 5	9741	26356	40463	2.5	16.34	Si
184	4X/2Y Ø8/15	-790	-27725	SLV 1	9757	29386	37190	2.5	37.21	-1613	-30761	SLV 5	9727	26356	40448	2.5	16.34	Si
213	4X/2Y Ø8/15	-790	-27617	SLV 1	9744	29386	37176	2.5	37.21	-1613	-30652	SLV 5	9712	26356	40433	2.5	16.34	Si
242	4X/2Y Ø8/10	-790	-27505	SLV 1	9730	39671	39997	2.25	50.24	-1613	-30540	SLV 5	9697	39534	40417	2.5	24.51	Si
272	4X/2Y Ø8/10	-790	-27394	SLV 1	9716	39671	39982	2.25	50.24	-1613	-30430	SLV 5	9682	39534	40402	2.5	24.51	Si
301	4X/2Y Ø8/10	-790	-27284	SLV 1	9702	39671	39966	2.25	50.24	-1613	-30320	SLV 5	9667	39534	40387	2.5	24.51	Si
331	4X/2Y Ø8/10	-790	-27174	SLV 1	9689	39671	39951	2.25	50.24	-1613	-30209	SLV 5	9653	39534	40372	2.5	24.51	Si
360	4X/2Y Ø8/10	-790	-27065	SLV 1	9675	39671	39936	2.25	50.24	-1613	-30101	SLV 5	9638	39534	40357	2.5	24.51	Si
380	4X/2Y Ø8/10	1174	-22085	SLV 15	9055	38789	39836	2.2	33.05	-777	-22798	SLV 5	8660	38743	39920	2.45	49.88	Si
409	4X/2Y Ø8/10	1174	-21977	SLV 15	9041	38789	39820	2.2	33.05	-777	-22689	SLV 5	8645	38743	39905	2.45	49.88	Si
438	4X/2Y Ø8/10	1174	-21868	SLV 15	9028	38789	39805	2.2	33.05	-777	-22581	SLV 5	8630	38743	39890	2.45	49.88	Si
467	4X/2Y Ø8/14.4	1174	-21759	SLV 15	9014	30516	36422	2.5	26	-777	-22472	SLV 5	8616	27370	39299	2.5	35.24	Si
496	4X/2Y Ø8/14.4	1174	-21650	SLV 15	9001	30516	36408	2.5	26	-777	-22363	SLV 5	8601	27370	39284	2.5	35.24	Si
525	4X/2Y Ø8/14.4	1174	-21542	SLV 15	8987	30516	36394	2.5	26	-777	-22254	SLV 5	8587	27370	39269	2.5	35.24	Si
554	4X/2Y Ø8/14.4	1174	-21433	SLV 15	8974	30516	36380	2.5	26	-777	-22146	SLV 5	8572	27370	39254	2.5	35.24	Si
583	4X/2Y Ø8/14.4	1174	-21324	SLV 15	8960	30516	36366	2.5	26	-777	-22037	SLV 5	8558	27370	39239	2.5	35.24	Si
612	4X/2Y Ø8/10	1174	-21215	SLV 15	8947	38789	39713	2.2	33.05	-777	-21928	SLV 5	8543	38743	39798	2.45	49.88	Si
641	4X/2Y Ø8/10	1174	-21107	SLV 15	8933	38789	39698	2.2	33.05	-777	-21819	SLV 5	8528	38743	39783	2.45	49.88	Si
670	4X/2Y Ø8/10	1174	-20998	SLV 15	8920	38789	39683	2.2	33.05	-777	-21711	SLV 5	8514	38743	39767	2.45	49.88	Si
690	4X/2Y Ø8/10	1013	-13850	SLV 15	8030	37907	39260	2.15	37.44	-1010	-14240	SLV 5	7513	37953	39287	2.4	37.59	Si
719	4X/2Y Ø8/10	1013	-13741	SLV 15	8016	37907	39244	2.15	37.44	-1010	-14131	SLV 5	7498	37953	39271	2.4	37.59	Si
748	4X/2Y Ø8/10	1013	-13632	SLV 15	8003	37907	39229	2.15	37.44	-1010	-14022	SLV 5	7484	37953	39256	2.4	37.59	Si
777	4X/2Y Ø8/14.4	1013	-13524	SLV 15	7989	30516	35361	2.5	30.14	-1010	-13913	SLV 5	7469	27370	38113	2.5	27.11	Si
806	4X/2Y Ø8/14.4	1013	-13415	SLV 15	7976	30516	35347	2.5	30.14	-1010	-13805	SLV 5	7454	27370	38098	2.5	27.11	Si
835	4X/2Y Ø8/14.4	1013	-13306	SLV 15	7962	30516	35333	2.5	30.14	-1010	-13696	SLV 5	7440	27370	38083	2.5	27.11	Si
864	4X/2Y Ø8/14.4	1013	-13197	SLV 15	7948	30516	35319	2.5	30.14	-1010	-13587	SLV 5	7425	27370	38067	2.5	27.11	Si
893	4X/2Y Ø8/14.4	1013	-13089	SLV 15	7935	30516	35305	2.5	30.14	-1010	-13478	SLV 5	7411	27370	38052	2.5	27.11	Si
922	4X/2Y Ø8/10	1013	-12980	SLV 15	7921	37907	39136	2.15	37.44	-1010	-13370	SLV 5	7396	37953	39163	2.4	37.59	Si
951	4X/2Y Ø8/10	1013	-12871	SLV 15	7908	37907	39120	2.15	37.44	-1010	-13261	SLV 5	7382	37953	39147	2.4	37.59	Si
980	4X/2Y Ø8/10	1013	-12762	SLV 15	7894	37907	39105	2.15	37.44	-1010	-13152	SLV 5	7367	37953	39132	2.4	37.59	Si
1000	4X/2Y Ø8/10	1226	-5361	SLV 15	6973	37907	38048	2.15	30.91	-788	-5502	SLV 5	6342	37953	38040	2.4	48.16	Si
1029	4X/2Y Ø8/10	1226	-5252	SLV 15	6959	37907	38032	2.15	30.91	-788	-5394	SLV 5	6327	37953	38024	2.4	48.16	Si
1058	4X/2Y Ø8/10	1226	-5144	SLV 15	6946	37907	38017	2.15	30.91	-788	-5285	SLV 5	6313	37953	38009	2.4	48.16	Si
1087	4X/2Y Ø8/14.4	1226	-5035	SLV 15	6932	30516	34268	2.5	24.88	-788	-5176	SLV 5	6298	27370	36902	2.5	34.73	Si
1116	4X/2Y Ø8/14.4	1226	-4926	SLV 15	6919	30516	34254	2.5	24.88	-788	-5067	SLV 5	6284	27370	36886	2.5	34.73	Si
1145	4X/2Y Ø8/14.4	1226	-4817	SLV 15	6905	30516	34240	2.5	24.88	-788	-4959	SLV 5	6269	27370	36871	2.5	34.73	Si
1174	4X/2Y Ø8/14.4	1226	-4709	SLV 15	6892	30516	34226	2.5	24.88	-788	-4850	SLV 5	6255	27370	36856	2.5	34.73	Si
1203	4X/2Y Ø8/14.4	1226	-4600	SLV 15	6878	30516	34212	2.5	24.88	-788	-4741	SLV 5	6240	27370	36841	2.5	34.73	Si
1232	4X/2Y Ø8/10	1226	-4491	SLV 15	6865	37907	37923	2.15	30.91	-788	-4632	SLV 5	6225	37162	38478	2.35	47.16	Si
1261	4X/2Y Ø8/10	1226	-4382	SLV 15	6851	37907	37908	2.15	30.91	-788	-4524	SLV 5	6211	37162	38462	2.35	47.16	Si
1290	4X/2Y Ø8/10	1226	-4274	SLV 15	6837	37026	38465	2.1	30.19	-788	-4415	SLV 5	6196	37162	38446	2.35	47.16	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	-325	-29604	SLD 1	9991	44078	37432	2.5	115.01	-778	-30788	SLD 5	9730	39534	40452	2.5	50.79	Si
-111	4X/2Y Ø8/10	-325	-29496	SLD 1	9978	44078	37418	2.5	114.97	-778	-30680	SLD 5	9716	39534	40437	2.5	50.79	Si
-81	4X/2Y Ø8/10	-325	-29385	SLD 1	9964	44078	37404	2.5	114.92	-778	-30570	SLD 5	9701	39534	40422	2.5	50.79	Si
-52	4X/2Y Ø8/10	-325	-29275	SLD 1	9950	44078	37390	2.5	114.88	-778	-30459	SLD 5	9686	39534	40406	2.5	50.79	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-22	4X/2Y Ø8/15	-325	-29165	SLD 1	9936	29386	37376	2.5	90.29	-778	-30349	SLD 5	9671	26356	40391	2.5	33.86	Si
7	4X/2Y Ø8/15	-325	-29055	SLD 1	9923	29386	37362	2.5	90.29	-778	-30239	SLD 5	9657	26356	40376	2.5	33.86	Si
36	4X/2Y Ø8/15	-325	-28944	SLD 1	9909	29386	37347	2.5	90.29	-778	-30128	SLD 5	9642	26356	40360	2.5	33.86	Si
66	4X/2Y Ø8/15	-325	-28834	SLD 1	9895	29386	37333	2.5	90.29	-778	-30018	SLD 5	9627	26356	40345	2.5	33.86	Si
95	4X/2Y Ø8/15	-325	-28724	SLD 1	9881	29386	37319	2.5	90.29	-778	-29908	SLD 5	9612	26356	40330	2.5	33.86	Si
125	4X/2Y Ø8/15	-325	-28612	SLD 1	9868	29386	37305	2.5	90.29	-778	-29796	SLD 5	9597	26356	40314	2.5	33.86	Si
154	4X/2Y Ø8/15	-325	-28503	SLD 1	9854	29386	37291	2.5	90.29	-778	-29687	SLD 5	9583	26356	40299	2.5	33.86	Si
184	4X/2Y Ø8/15	-325	-28393	SLD 1	9840	29386	37276	2.5	90.29	-778	-29577	SLD 5	9568	26356	40284	2.5	33.86	Si
213	4X/2Y Ø8/15	-325	-28284	SLD 1	9827	29386	37262	2.5	90.29	-778	-29468	SLD 5	9553	26356	40269	2.5	33.86	Si
242	4X/2Y Ø8/10	-325	-28172	SLD 1	9813	44078	37248	2.5	114.44	-778	-29356	SLD 5	9538	39534	40253	2.5	50.79	Si
272	4X/2Y Ø8/10	-325	-28062	SLD 1	9799	44078	37234	2.5	114.4	-778	-29246	SLD 5	9524	39534	40238	2.5	50.79	Si
301	4X/2Y Ø8/10	-325	-27952	SLD 1	9785	44078	37219	2.5	114.36	-778	-29136	SLD 5	9509	39534	40223	2.5	50.79	Si
331	4X/2Y Ø8/10	-325	-27841	SLD 1	9772	44078	37205	2.5	114.31	-778	-29025	SLD 5	9494	39534	40207	2.5	50.79	Si
360	4X/2Y Ø8/10	-325	-27733	SLD 1	9758	44078	37191	2.5	114.27	-778	-28917	SLD 5	9479	39534	40192	2.5	50.79	Si
380	4X/2Y Ø8/10	812	-21605	SLD 15	8995	44078	36402	2.5	44.82	-467	-21883	SLD 5	8537	39534	39217	2.5	84	Si
409	4X/2Y Ø8/10	812	-21496	SLD 15	8982	44078	36388	2.5	44.8	-467	-21774	SLD 5	8522	39534	39202	2.5	83.96	Si
438	4X/2Y Ø8/10	812	-21387	SLD 15	8968	44078	36374	2.5	44.79	-467	-21666	SLD 5	8508	39534	39187	2.5	83.93	Si
467	4X/2Y Ø8/14.4	812	-21278	SLD 15	8955	30516	36360	2.5	37.57	-467	-21557	SLD 5	8493	27370	39172	2.5	58.62	Si
496	4X/2Y Ø8/14.4	812	-21170	SLD 15	8941	30516	36346	2.5	37.57	-467	-21448	SLD 5	8479	27370	39157	2.5	58.62	Si
525	4X/2Y Ø8/14.4	812	-21061	SLD 15	8927	30516	36332	2.5	37.57	-467	-21339	SLD 5	8464	27370	39142	2.5	58.62	Si
554	4X/2Y Ø8/14.4	812	-20952	SLD 15	8914	30516	36318	2.5	37.57	-467	-21231	SLD 5	8449	27370	39127	2.5	58.62	Si
583	4X/2Y Ø8/14.4	812	-20843	SLD 15	8900	30516	36304	2.5	37.57	-467	-21122	SLD 5	8435	27370	39112	2.5	58.62	Si
612	4X/2Y Ø8/10	812	-20735	SLD 15	8887	44078	36290	2.5	44.68	-467	-21013	SLD 5	8420	39534	39097	2.5	83.74	Si
641	4X/2Y Ø8/10	812	-20626	SLD 15	8873	44078	36276	2.5	44.66	-467	-20904	SLD 5	8406	39534	39082	2.5	83.71	Si
670	4X/2Y Ø8/10	812	-20517	SLD 15	8860	44078	36262	2.5	44.65	-467	-20796	SLD 5	8391	39534	39067	2.5	83.67	Si
690	4X/2Y Ø8/10	649	-13518	SLD 15	7988	44078	35360	2.5	54.47	-581	-13670	SLD 5	7436	39534	38079	2.5	65.54	Si
719	4X/2Y Ø8/10	649	-13409	SLD 15	7975	44078	35346	2.5	54.45	-581	-13561	SLD 5	7422	39534	38064	2.5	65.51	Si
748	4X/2Y Ø8/10	649	-13300	SLD 15	7961	44078	35332	2.5	54.43	-581	-13453	SLD 5	7407	39534	38049	2.5	65.49	Si
777	4X/2Y Ø8/14.4	649	-13191	SLD 15	7948	30516	35318	2.5	47.01	-581	-13344	SLD 5	7393	27370	38034	2.5	47.11	Si
806	4X/2Y Ø8/14.4	649	-13083	SLD 15	7934	30516	35304	2.5	47.01	-581	-13235	SLD 5	7378	27370	38019	2.5	47.11	Si
835	4X/2Y Ø8/14.4	649	-12974	SLD 15	7921	30516	35290	2.5	47.01	-581	-13126	SLD 5	7364	27370	38004	2.5	47.11	Si
864	4X/2Y Ø8/14.4	649	-12865	SLD 15	7907	30516	35276	2.5	47.01	-581	-13018	SLD 5	7349	27370	37989	2.5	47.11	Si
893	4X/2Y Ø8/14.4	649	-12756	SLD 15	7894	30516	35262	2.5	47.01	-581	-12909	SLD 5	7334	27370	37973	2.5	47.11	Si
922	4X/2Y Ø8/10	649	-12648	SLD 15	7880	44078	35248	2.5	54.3	-581	-12800	SLD 5	7320	39534	37958	2.5	65.33	Si
951	4X/2Y Ø8/10	649	-12539	SLD 15	7866	44078	35234	2.5	54.28	-581	-12691	SLD 5	7305	39534	37943	2.5	65.3	Si
980	4X/2Y Ø8/10	649	-12430	SLD 15	7853	44078	35220	2.5	54.26	-581	-12583	SLD 5	7291	39534	37928	2.5	65.28	Si
1000	4X/2Y Ø8/10	808	-5226	SLD 15	6956	44078	34293	2.5	42.46	-521	-5281	SLD 5	6312	39534	36916	2.5	70.89	Si
1029	4X/2Y Ø8/10	808	-5117	SLD 15	6943	44078	34279	2.5	42.44	-521	-5172	SLD 5	6298	39534	36901	2.5	70.86	Si
1058	4X/2Y Ø8/10	808	-5009	SLD 15	6929	44078	34265	2.5	42.42	-521	-5064	SLD 5	6283	39534	36886	2.5	70.83	Si
1087	4X/2Y Ø8/14.4	808	-4900	SLD 15	6915	30516	34251	2.5	37.78	-521	-4955	SLD 5	6269	27370	36871	2.5	52.56	Si
1116	4X/2Y Ø8/14.4	808	-4791	SLD 15	6902	30516	34237	2.5	37.78	-521	-4846	SLD 5	6254	27370	36856	2.5	52.56	Si
1145	4X/2Y Ø8/14.4	808	-4682	SLD 15	6888	30516	34223	2.5	37.78	-521	-4737	SLD 5	6239	27370	36841	2.5	52.56	Si
1174	4X/2Y Ø8/14.4	808	-4574	SLD 15	6875	30516	34209	2.5	37.78	-521	-4629	SLD 5	6225	27370	36826	2.5	52.56	Si
1203	4X/2Y Ø8/14.4	808	-4465	SLD 15	6861	30516	34195	2.5	37.78	-521	-4520	SLD 5	6210	27370	36811	2.5	52.56	Si
1232	4X/2Y Ø8/10	808	-4356	SLD 15	6848	44078	34181	2.5	42.32	-521	-4411	SLD 5	6196	39534	36796	2.5	70.66	Si
1261	4X/2Y Ø8/10	808	-4247	SLD 15	6834	44078	34167	2.5	42.3	-521	-4302	SLD 5	6181	39534	36780	2.5	70.63	Si
1290	4X/2Y Ø8/10	808	-4139	SLD 15	6821	44078	34153	2.5	42.28	-521	-4194	SLD 5	6167	39534	36765	2.5	70.6	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	74983	-71913	-31890	SLE RA 7	-31.4	107212	38576	-33279	SLE RA 10	-414.6	Si
-111	98366	38417	-33171	SLE RA 10	-30	98366	38417	-33171	SLE RA 10	-406.3	Si
-81	89367	38256	-33061	SLE RA 10	-29.3	89367	38256	-33061	SLE RA 10	-397.9	Si
-52	80369	38094	-32950	SLE RA 10	-28.6	80369	38094	-32950	SLE RA 10	-389.5	Si
-22	71370	37932	-32840	SLE RA 10	-27.9	71370	37932	-32840	SLE RA 10	-381.2	Si
7	62371	37770	-32730	SLE RA 10	-27.2	62371	37770	-32730	SLE RA 10	-372.8	Si
36	53373	37609	-32620	SLE RA 10	-26.6	53373	37609	-32620	SLE RA 10	-364.4	Si
66	44374	37447	-32509	SLE RA 10	-25.9	44374	37447	-32509	SLE RA 10	-356	Si
95	35375	37285	-32399	SLE RA 10	-25.2	35375	37285	-32399	SLE RA 10	-347.6	Si
125	26286	37122	-32288	SLE RA 10	-24.4	26286	37122	-32288	SLE RA 10	-339.1	Si
154	13792	40583	-32179	SLE RA 11	-23.9	13947	40463	-32180	SLE RA 13	-331.8	Si
184	5700	47377	-32070	SLE RA 13	-24	5700	47377	-32070	SLE RA 13	-331.5	Si
213	-4487	64273	-30570	SLE RA 7	-25	-4487	64273	-30570	SLE RA 7	-335.7	Si
242	-11226	75823	-30458	SLE RA 7	-26.6	-11226	75823	-30458	SLE RA 7	-352.5	Si
272	-17867	87202	-30348	SLE RA 7	-28.3	-17867	87202	-30348	SLE RA 7	-369.1	Si
301	-24507	98581	-30237	SLE RA 7	-29.9	-24507	98581	-30237	SLE RA 7	-385.7	Si
331	-31147	109960	-30127	SLE RA 7	-31.6	-31147	109960	-30127	SLE RA 7	-402.3	Si
360	-37674	121146	-30019	SLE RA 7	-33.2	-37674	121146	-30019	SLE RA 7	-418.6	Si
380	43365	-116872	-23895	SLE RA 10	-29.6	43365	-116872	-23895	SLE RA 10	-365.9	Si
409	35100	-98169	-23787	SLE RA 10	-26.9	35100	-98169	-23787	SLE RA 10	-338.2	Si
438	26835	-79466	-23678	SLE RA 10	-24.2	26835	-79466	-23678	SLE RA 10	-310.6	Si
467	18569	-60764	-23569	SLE RA 10	-21.5	18569	-60764	-23569	SLE RA 10	-283	Si
496	10304	-42061	-23460	SLE RA 10	-18.8	10304	-42061	-23460	SLE RA 10	-255.4	Si
525	2039	-23358	-23352	SLE RA 10	-16.1	2039	-23358	-23352	SLE RA 10	-227.8	Si
554	7985	19319	-22061	SLE RA 7	-15.4	7985	19319	-22061	SLE RA 7	-217.2	Si
583	-4743	24936	-23093	SLE RA 13	-16.3	-4743	24936	-23093	SLE RA 13	-229.4	Si
612	-22698	32870	-23025	SLE RA 12	-18.4	-22698	32870	-23025	SLE RA 12	-251.8	Si
641	-30927	51594	-22916	SLE RA 12	-21	-30927	51594	-22916	SLE RA 12	-277.6	Si
670	-39155	70317	-22807	SLE RA 12	-23.6	-39155	70317	-22807	SLE RA 12	-303.3	Si
690	63683	-55396	-15210	SLE RA 13	-19.2	63683	-55396	-15210	SLE RA 13	-241.7	Si
719	51446	-42430	-15101	SLE RA 13	-16.9	51446	-42430	-15101	SLE RA 13	-217	Si
748	39209	-29464	-14992	SLE RA 13	-14.6	39209	-29464	-14992	SLE RA 13	-192.4	Si
777	26971	-16497	-14884	SLE RA 13	-12.2	26971	-16497	-14884	SLE RA 13	-167.7	Si
806	14734	-3531	-14775	SLE RA 13	-9.9	14734	-3531	-14775	SLE RA 13	-143	Si
835	-2300	9895	-14691	SLE RA 10	-9.7	-2300	9895	-14691	SLE RA 10	-139	Si
864	-12667	23133	-14582	SLE RA 10	-11.8	-12667	23133	-14582	SLE RA 10	-160.6	Si
893	-23033	36371	-14473	SLE RA 10	-13.9	-23033	36371	-14473	SLE RA 10	-182.2	Si
922	-33216	49785	-14363	SLE RA 12	-16	-33216	49785	-14363	SLE RA 12	-203.8	Si
951	-43594	63072	-14254	SLE RA 12	-18.1	-46453	61300	-14231	SLE RA 13	-225.7	Si
980	-58690	74267	-14122	SLE RA 13	-20.3	-58690	74267	-14122	SLE RA 13	-248.5	Si
1000	50224	-98232	-6370	SLE RA 12	-18	50224	-98232	-6370	SLE RA 12	-200.5	Si
1029	38615	-78997	-6262	SLE RA 12	-15	38615	-78997	-6262	SLE RA 12	-169.6	Si
1058	27006	-59762	-6153	SLE RA 12	-12	27006	-59762	-6153	SLE RA 12	-138.7	Si
1087	15396	-40528	-6044	SLE RA 12	-9	15396	-40528	-6044	SLE RA 12	-107.8	Si
1116	3787	-21293	-5935	SLE RA 12	-6	3787	-21293	-5935	SLE RA 12	-77	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1145	-10138	-2502	-5819	SLE RA 11	-4.3	-10138	-2502	-5819	SLE RA 11	-61	Si
1174	-21296	16504	-5710	SLE RA 11	-6.6	-21296	16504	-5710	SLE RA 11	-84.1	Si
1203	-31041	36411	-5609	SLE RA 12	-9.4	-32480	35543	-5598	SLE RA 13	-112.5	Si
1232	-42650	55646	-5500	SLE RA 12	-12.2	-42650	55646	-5500	SLE RA 12	-141.4	Si
1261	-54259	74881	-5392	SLE RA 12	-15.1	-54259	74881	-5392	SLE RA 12	-170.4	Si
1290	-65869	94116	-5283	SLE RA 12	-17	-65869	94116	-5283	SLE RA 12	-189.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	75935	40370	-30031	SLE QP 2	-26.9	Si
-111	69511	39761	-29923	SLE QP 2	-26.3	Si
-81	62977	39140	-29812	SLE QP 2	-25.8	Si
-52	56442	38520	-29702	SLE QP 2	-25.2	Si
-22	49907	37900	-29592	SLE QP 2	-24.6	Si
7	43372	37280	-29481	SLE QP 2	-24	Si
36	36838	36660	-29371	SLE QP 2	-23.4	Si
66	30303	36040	-29261	SLE QP 2	-22.9	Si
95	23768	35420	-29150	SLE QP 2	-22.3	Si
125	17168	34794	-29039	SLE QP 2	-21.7	Si
154	10699	34180	-28930	SLE QP 2	-21.1	Si
184	4164	33560	-28820	SLE QP 2	-20.5	Si
213	-2273	32949	-28711	SLE QP 2	-20.3	Si
242	-8905	32320	-28599	SLE QP 2	-20.6	Si
272	-15440	31700	-28489	SLE QP 2	-20.9	Si
301	-21975	31080	-28378	SLE QP 2	-21.2	Si
331	-28510	30460	-28268	SLE QP 2	-21.6	Si
360	-34933	29850	-28160	SLE QP 2	-21.9	Si
380	38730	-105677	-21297	SLE QP 2	-26.6	Si
409	31523	-88889	-21188	SLE QP 2	-24.2	Si
438	24317	-72100	-21079	SLE QP 2	-21.7	Si
467	17110	-55312	-20970	SLE QP 2	-19.3	Si
496	9904	-38523	-20862	SLE QP 2	-16.9	Si
525	2697	-21735	-20753	SLE QP 2	-14.5	Si
554	-4509	-4947	-20644	SLE QP 2	-12.7	Si
583	-11716	11842	-20535	SLE QP 2	-13.9	Si
612	-18922	28630	-20427	SLE QP 2	-16.2	Si
641	-26129	45419	-20318	SLE QP 2	-18.5	Si
670	-33335	62207	-20209	SLE QP 2	-20.8	Si
690	39809	-49785	-13304	SLE QP 2	-15.9	Si
719	31357	-37763	-13195	SLE QP 2	-13.9	Si
748	22906	-25740	-13087	SLE QP 2	-11.9	Si
777	14454	-13718	-12978	SLE QP 2	-10	Si
806	6003	-1695	-12869	SLE QP 2	-8	Si
835	-2449	10327	-12760	SLE QP 2	-8.6	Si
864	-10900	22349	-12652	SLE QP 2	-10.5	Si
893	-19352	34372	-12543	SLE QP 2	-12.3	Si
922	-27803	46394	-12434	SLE QP 2	-14.2	Si
951	-36255	58417	-12325	SLE QP 2	-16	Si
980	-44706	70439	-12217	SLE QP 2	-17.9	Si
1000	41999	-83202	-5139	SLE QP 2	-15	Si
1029	32712	-67887	-5030	SLE QP 2	-12.6	Si
1058	23426	-52572	-4922	SLE QP 2	-10.2	Si
1087	14139	-37256	-4813	SLE QP 2	-7.9	Si
1116	4853	-21941	-4704	SLE QP 2	-5.5	Si
1145	-4434	-6625	-4595	SLE QP 2	-3.7	Si
1174	-13720	8690	-4487	SLE QP 2	-4.5	Si
1203	-23007	24006	-4378	SLE QP 2	-6.7	Si
1232	-32293	39321	-4269	SLE QP 2	-9	Si
1261	-41579	54637	-4160	SLE QP 2	-11.3	Si
1290	-50866	69952	-4052	SLE QP 2	-12.8	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

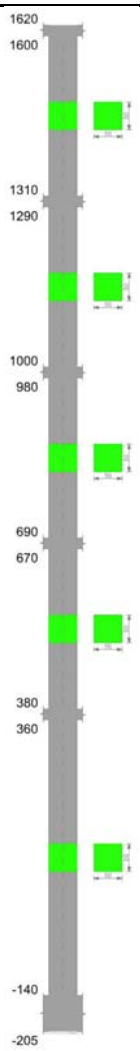
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.

Pilastro 81

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 50x50	No	No	No	No		C30/37	B450C	
380	670	R 50x50	No	No	No	No		C30/37	B450C	
690	980	R 50x50	No	No	No	No		C30/37	B450C	
1000	1290	R 50x50	No	No	No	No		C30/37	B450C	
1310	1600	R 50x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-19.67	-19.67	1.6	2.011	-172.5	-140	R 50x50	B450C
p.1	19.67	-19.67	1.6	2.011	-172.5	-140	R 50x50	B450C
p.1	19.67	19.67	1.6	2.011	-172.5	-140	R 50x50	B450C
p.1	-19.67	19.67	1.6	2.011	-172.5	-140	R 50x50	B450C
p.1	-19.9	-6.9	1.6	2.011	-172.5	-140	R 50x50	B450C
p.1	-19.9	6.9	1.6	2.011	-172.5	-140	R 50x50	B450C
p.1	19.9	-6.9	1.6	2.011	-172.5	-140	R 50x50	B450C
p.1	19.9	6.9	1.6	2.011	-172.5	-140	R 50x50	B450C
p.2	-19.67	-19.67	1.6	2.011	-140	380	R 50x50	B450C
p.2	19.67	-19.67	1.6	2.011	-140	380	R 50x50	B450C
p.2	19.67	19.67	1.6	2.011	-140	380	R 50x50	B450C
p.2	-19.67	19.67	1.6	2.011	-140	380	R 50x50	B450C
p.2	-19.9	-6.9	1.6	2.011	-140	380	R 50x50	B450C
p.2	-19.9	6.9	1.6	2.011	-140	380	R 50x50	B450C
p.2	19.9	-6.9	1.6	2.011	-140	380	R 50x50	B450C
p.2	19.9	6.9	1.6	2.011	-140	380	R 50x50	B450C
p.3	-19.67	-19.67	1.6	2.011	380	690	R 50x50	B450C
p.3	19.67	-19.67	1.6	2.011	380	690	R 50x50	B450C
p.3	19.67	19.67	1.6	2.011	380	690	R 50x50	B450C
p.3	-19.67	19.67	1.6	2.011	380	690	R 50x50	B450C
p.3	-19.9	-6.9	1.6	2.011	380	690	R 50x50	B450C
p.3	-19.9	6.9	1.6	2.011	380	690	R 50x50	B450C
p.3	19.9	-6.9	1.6	2.011	380	690	R 50x50	B450C
p.3	19.9	6.9	1.6	2.011	380	690	R 50x50	B450C
p.4	-19.67	-19.67	1.6	2.011	690	1000	R 50x50	B450C
p.4	19.67	-19.67	1.6	2.011	690	1000	R 50x50	B450C
p.4	19.67	19.67	1.6	2.011	690	1000	R 50x50	B450C
p.4	-19.67	19.67	1.6	2.011	690	1000	R 50x50	B450C
p.4	-19.9	-6.9	1.6	2.011	690	1000	R 50x50	B450C
p.4	-19.9	6.9	1.6	2.011	690	1000	R 50x50	B450C
p.4	19.9	-6.9	1.6	2.011	690	1000	R 50x50	B450C
p.4	19.9	6.9	1.6	2.011	690	1000	R 50x50	B450C
p.5	-19.67	-19.67	1.6	2.011	1000	1310	R 50x50	B450C
p.5	19.67	-19.67	1.6	2.011	1000	1310	R 50x50	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.5	19.67	19.67	1.6	2.011	1000	1310	R 50x50	B450C
p.5	-19.67	19.67	1.6	2.011	1000	1310	R 50x50	B450C
p.5	-19.9	-6.9	1.6	2.011	1000	1310	R 50x50	B450C
p.5	-19.9	6.9	1.6	2.011	1000	1310	R 50x50	B450C
p.5	19.9	-6.9	1.6	2.011	1000	1310	R 50x50	B450C
p.5	19.9	6.9	1.6	2.011	1000	1310	R 50x50	B450C
p.6	-19.67	-19.67	1.6	2.011	1310	1620	R 50x50	B450C
p.6	19.67	-19.67	1.6	2.011	1310	1620	R 50x50	B450C
p.6	19.67	19.67	1.6	2.011	1310	1620	R 50x50	B450C
p.6	-19.67	19.67	1.6	2.011	1310	1620	R 50x50	B450C
p.7	-19.9	-6.9	1.6	2.011	1310	1620	R 50x50	B450C
p.7	-19.9	6.9	1.6	2.011	1310	1620	R 50x50	B450C
p.7	19.9	-6.9	1.6	2.011	1310	1620	R 50x50	B450C
p.7	19.9	6.9	1.6	2.011	1310	1620	R 50x50	B450C
p.8	-6.9	-19.9	1.6	2.011	-205	-140	R 50x50	B450C
p.8	6.9	-19.9	1.6	2.011	-205	-140	R 50x50	B450C
p.8	-6.9	19.9	1.6	2.011	-205	-140	R 50x50	B450C
p.8	6.9	19.9	1.6	2.011	-205	-140	R 50x50	B450C
p.9	-6.9	-19.9	1.6	2.011	-139.9	380	R 50x50	B450C
p.9	6.9	-19.9	1.6	2.011	-139.9	380	R 50x50	B450C
p.9	-6.9	19.9	1.6	2.011	-139.9	380	R 50x50	B450C
p.9	6.9	19.9	1.6	2.011	-139.9	380	R 50x50	B450C
p.3	-6.9	-19.9	1.6	2.011	380.1	690	R 50x50	B450C
p.3	6.9	-19.9	1.6	2.011	380.1	690	R 50x50	B450C
p.3	-6.9	19.9	1.6	2.011	380.1	690	R 50x50	B450C
p.3	6.9	19.9	1.6	2.011	380.1	690	R 50x50	B450C
p.4	-6.9	-19.9	1.6	2.011	690.1	1000	R 50x50	B450C
p.4	6.9	-19.9	1.6	2.011	690.1	1000	R 50x50	B450C
p.4	-6.9	19.9	1.6	2.011	690.1	1000	R 50x50	B450C
p.4	6.9	19.9	1.6	2.011	690.1	1000	R 50x50	B450C
p.5	-6.9	-19.9	1.6	2.011	1000.1	1310	R 50x50	B450C
p.5	6.9	-19.9	1.6	2.011	1000.1	1310	R 50x50	B450C
p.5	-6.9	19.9	1.6	2.011	1000.1	1310	R 50x50	B450C
p.5	6.9	19.9	1.6	2.011	1000.1	1310	R 50x50	B450C
p.10	-6.9	-19.9	1.6	2.011	1310.1	1620	R 50x50	B450C
p.10	6.9	-19.9	1.6	2.011	1310.1	1620	R 50x50	B450C
p.10	-6.9	19.9	1.6	2.011	1310.1	1620	R 50x50	B450C
p.10	6.9	19.9	1.6	2.011	1310.1	1620	R 50x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	1.6	0	1,2,8	474481	1234314	-46729	1228415	3195596	SLU 46	2.589	Si
-111	24.11	1.9	0	1,2,8,9	425203	1128925	-46494	1238821	3289099	SLU 46	2.913	Si
-81	24.13	1	0	2,9	375073	1021713	-46255	1230783	3352696	SLU 46	3.281	Si
-52	24.13	1	0	2,9	324943	914501	-46016	1215227	3420063	SLU 46	3.74	Si
-22	24.13	1	0	2,9	274813	807289	-45777	1175536	3453244	SLU 46	4.278	Si
7	24.13	1	0	2,9	224684	700078	-45538	1105550	3444715	SLU 46	4.92	Si
36	24.13	1	0	2,9	174554	592866	-45300	991259	3366780	SLU 46	5.679	Si
66	24.13	1	0	2,9	124424	485654	-45061	819458	3198534	SLU 46	6.586	Si
95	24.13	1	0	2,9	131233	358729	-48381	952739	2604339	SLU 52	7.26	Si
125	24.13	1	0	2,9	130578	268738	-48139	1041997	2144491	SLU 52	7.98	Si
154	24.13	1	0	2,9	129983	189476	-47920	1124604	1639335	SLU 51	8.652	Si
184	24.13	1	0	2,9	-129335	132234	-47681	-1181299	1207780	SLU 51	9.134	Si
213	24.13	1	0	2,9	-128696	128696	-47446	-1184097	1184097	SLU 51	9.201	Si
242	24.13	1	0	2,9	-176356	-157617	-43627	-1618544	-1446560	SLU 46	9.178	Si
272	24.13	1	0	2,9	-226486	-264828	-43388	-1792858	-2096378	SLU 46	7.916	Si
301	24.13	1	0	2,9	-276616	-372040	-43149	-1868157	-2512617	SLU 46	6.754	Si
331	24.13	1	0	2,9	-326746	-479252	-42910	-1887690	-2768757	SLU 46	5.777	Si
360	24.13	1	0	2,9	-376023	-584641	-42675	-1871696	-2910114	SLU 46	4.978	Si
380	24.13	1.9	0	2,3,9	-279889	-513194	-35670	-1674495	-3070291	SLU 46	5.983	Si
409	24.13	1.9	0	2,3,9	-247275	-462337	-35438	-1628004	-3043921	SLU 46	6.584	Si
438	24.13	1	0	3	-214089	-410587	-35203	-1559981	-2991781	SLU 46	7.287	Si
467	24.13	1	0	3	-180904	-358838	-34967	-1464681	-2905322	SLU 46	8.096	Si
496	24.13	1	0	3	-147718	-307089	-34731	-1330573	-2766112	SLU 46	9.008	Si
525	24.13	1	0	3	-114532	-255339	-34496	-1147783	-2558886	SLU 46	10.022	Si
554	24.13	1	0	3	-81346	-203590	-34260	-903809	-2262020	SLU 46	11.111	Si
583	24.13	1	0	3	74306	-74306	-37153	884917	-884917	SLU 51	11.909	Si
612	24.13	1	0	3	73835	-73835	-36918	884917	-884917	SLU 51	11.985	Si
641	24.13	1	0	3	73364	-73364	-36682	884917	-884917	SLU 51	12.062	Si
670	24.13	1	0	3	72893	-72893	-36446	884917	-884917	SLU 51	12.14	Si
690	24.13	1.9	0	3,4	135747	65620	-28815	1907530	922094	SLU 52	14.052	Si
719	24.13	1.9	0	3,4	117478	57166	-28583	1723870	838855	SLU 52	14.674	Si
748	24.13	1	0	4	98888	56695	-28347	1506928	863956	SLU 52	15.239	Si
777	24.13	1	0	4	63909	56469	-28234	1001509	884917	SLU 51	15.671	Si
806	24.13	1	0	4	55997	55997	-27999	884917	884917	SLU 51	15.803	Si
835	24.13	1	0	4	55526	55526	-27763	884917	884917	SLU 51	15.937	Si
864	24.13	1	0	4	55055	-55055	-27527	884917	-884917	SLU 51	16.073	Si
893	24.13	1	0	4	-54584	-54584	-27292	-884917	-884917	SLU 51	16.212	Si
922	24.13	1	0	4	-54112	-54112	-27056	-884917	-884917	SLU 51	16.353	Si
951	24.13	1	0	4	-53641	-53641	-26821	-884917	-884917	SLU 51	16.497	Si
980	24.13	1	0	4	-53170	-53170	-26585	-884917	-884917	SLU 51	16.643	Si
1000	24.13	1.9	0	4,5	55695	38404	-19202	1283354	884917	SLU 51	23.042	Si
1029	24.13	1.9	0	4,5	45727	37932	-18966	1066746	884917	SLU 51	23.329	Si
1058	24.13	1	0	5	37461	-37461	-18731	884917	-884917	SLU 51	23.622	Si
1087	24.13	1	0	5	36990	-36990	-18495	884917	-884917	SLU 51	23.923	Si
1116	24.13	1	0	5	36519	-36519	-18259	884917	-884917	SLU 51	24.232	Si
1145	24.13	1	0	5	36047	-36047	-18024	884917	-884917	SLU 51	24.549	Si
1174	24.13	1	0	5	-35576	-35576	-17788	-884917	-884917	SLU 51	24.874	Si
1203	24.13	1	0	5	-35105	-35105	-17552	-884917	-884917	SLU 51	25.208	Si
1232	24.13	1	0	5	-34634	-34634	-17317	-884917	-884917	SLU 51	25.551	Si
1261	24.13	1	0	5	-34162	-34162	-17081	-884917	-884917	SLU 51	25.903	Si
1290	24.13	1	0	5	-43817	-33699	-16850	-1150605	-884917	SLU 51	26.259	Si
1310	24.13	1.6	0	5,6,7	68683	25771	-9517	2560250	960648	SLU 52	37.276	Si
1339	24.11	1.9	0	5,6,7,10	51111	18563	-9281	2158788	784044	SLU 52	42.237	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1368	24.13	1	0	6,7,10	33540	18092	-9046	1585168	855057	SLU 52	47.262	Si
1397	24.13	1	0	6,7,10	17690	-17690	-8845	884917	-884917	SLU 51	50.022	Si
1426	24.13	1	0	6,7,10	-17219	-17219	-8610	-884917	-884917	SLU 51	51.391	Si
1455	24.13	1	0	6,7,10	-22311	-16748	-8374	-1178854	-884917	SLU 51	52.837	Si
1484	24.13	1	0	6,7,10	-39958	-22930	-8138	-1942010	-1114444	SLU 51	48.601	Si
1513	24.13	1	0	6,7,10	-57605	-30350	-7903	-2492367	-1313157	SLU 51	43.267	Si
1542	24.13	1	0	6,7,10	-75252	-37770	-7667	-2860868	-1435928	SLU 51	38.017	Si
1571	24.13	1	0	6,7,10	-92898	-45190	-7431	-3087706	-1502010	SLU 51	33.237	Si
1600	24.13	1	0	6,7,10	-110545	-52610	-7196	-3201844	-1523811	SLU 51	28.964	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	24.13	1.6	0	1,2,8	681436	1427465	-39092	-2.02	1.92	942209	1973727	SLV 1	1.383				Si
-111	24.11	1.9	0	1,2,8,9	630875	1327436	-38911	-2.02	1.92	972505	2046266	SLV 1	1.542				Si
-81	24.13	1	0	2,9	579447	1225696	-38727	-2.02	1.92	1010704	2137927	SLV 1	1.744				Si
-52	24.13	1	0	2,9	528031	1123980	-38543	-2.02	1.92	1056794	2249519	SLV 1	2.001				Si
-22	24.13	1	0	2,9	476629	1022296	-38360	-2.02	1.92	1112046	2385169	SLV 1	2.333				Si
7	24.13	1	0	2,9	425247	920653	-38176	-2.02	1.92	1130467	2447444	SLV 1	2.658				Si
36	24.13	1	0	2,9	373890	819063	-37992	-2.02	1.92	1132679	2481305	SLV 1	3.029				Si
66	24.13	1	0	2,9	322575	717556	-37808	-2.02	1.92	1132130	2518384	SLV 1	3.51				Si
95	24.13	1	0	2,9	271316	616161	-37624	-2.02	1.92	1125032	2554954	SLV 1	4.147				Si
125	24.13	1	0	2,9	219636	513924	-37439	-2.02	1.92	1099416	2572509	SLV 1	5.006				Si
154	24.13	1	0	2,9	169159	414032	-37257	-2.02	1.92	1033762	2530225	SLV 1	6.111				Si
184	24.13	1	0	2,9	118515	313690	-37073	-2.02	1.92	890158	2356098	SLV 1	7.511				Si
213	24.13	1	0	2,9	69404	215962	-36892	-2.02	1.92	634184	1973381	SLV 1	9.138				Si
242	24.13	1	0	2,9	22566	119284	-36705	-2.02	1.92	252260	1333452	SLV 1	11.179				Si
272	24.13	1	0	2,9	-10363	32960	-36521	-2.02	1.92	-125549	399310	SLV 1	12.115				Si
301	24.13	1	0	2,9	-93297	-107828	-34884	-2.02	1.92	-1002593	-1158749	SLV 5	10.746				Si
331	24.13	1	0	2,9	-146376	-216019	-36154	-2.02	1.92	-1233650	-1820601	SLV 1	8.428				Si
360	24.13	1	0	2,9	-195683	-311176	-35973	-2.02	1.92	-1355366	-2155311	SLV 1	6.926				Si
380	24.13	1.9	0	2,3,9	-70257	-192718	-30209	-2.02	1.92	-749200	-2055103	SLV 1	10.664				Si
409	24.13	1.9	0	2,3,9	-66781	-182556	-30031	-2.02	1.92	-730588	-1997176	SLV 1	10.94				Si
438	24.13	1	0	3	-63695	-172736	-29849	-2.02	1.92	-714253	-1937017	SLV 1	11.214				Si
467	24.13	1	0	3	-61112	-163489	-29668	-2.02	1.92	-701451	-1876554	SLV 1	11.478				Si
496	24.13	1	0	3	-29292	-154854	-29487	-2.02	1.92	-357981	-1892518	SLV 1	12.221				Si
525	24.13	1	0	3	27509	-146853	-29306	-2.02	1.92	343420	-1833314	SLV 1	12.484				Si
554	24.13	1	0	3	64083	-130408	-26826	-2.02	1.92	829069	-1687140	SLV 3	12.937				Si
583	24.13	1	0	3	66748	-132689	-26645	-2.02	1.92	859867	-1709346	SLV 3	12.882				Si
612	24.13	1	0	3	69962	-126430	-26464	-2.02	1.92	911109	-1646482	SLV 3	13.023				Si
641	24.13	1	0	3	73683	-120636	-26283	-2.02	1.92	968414	-1585524	SLV 3	13.143				Si
670	24.13	1	0	3	77855	-115242	-26101	-2.02	1.92	1030890	-1525938	SLV 3	13.241				Si
690	24.13	1.9	0	3,4	133120	137190	-22547	-2.02	1.92	1638303	1688398	SLV 1	12.307				Si
719	24.13	1.9	0	3,4	115067	122433	-22369	-2.02	1.92	1525923	1623606	SLV 1	13.261				Si
748	24.13	1	0	4	97715	109428	-22188	-2.02	1.92	1389360	1555906	SLV 1	14.218				Si
777	24.13	1	0	4	82082	98939	-22007	-2.02	1.92	1240493	1495258	SLV 1	15.113				Si
806	24.13	1	0	4	65062	91352	-21825	-2.02	1.92	1042217	1463364	SLV 1	16.019				Si
835	24.13	1	0	4	60334	-80537	-19913	-2.02	1.92	1064336	-1420734	SLV 3	17.641				Si
864	24.13	1	0	4	54270	-91268	-19732	-2.02	1.92	950632	-1598698	SLV 3	17.517				Si
893	24.13	1	0	4	50301	-104454	-19551	-2.02	1.92	864508	-1795212	SLV 3	17.187				Si
922	24.13	1	0	4	47837	-108720	-19369	-2.02	1.92	822244	-1868733	SLV 3	17.189				Si
951	24.13	1	0	4	-85877	-136268	-20919	-2.02	1.92	-1214401	-1926987	SLV 1	14.141				Si
980	24.13	1	0	4	-104545	-154067	-20738	-2.02	1.92	-1362887	-2008472	SLV 1	13.036				Si
1000	24.13	1.9	0	4,5	62523	106324	-13791	-2.02	1.92	1237040	2103670	SLV 3	19.785				Si
1029	24.13	1.9	0	4,5	59110	101503	-13610	-2.02	1.92	1210999	2079519	SLV 3	20.487				Si
1058	24.13	1	0	5	62171	98903	-13429	-2.02	1.92	1280061	2036341	SLV 3	20.589				Si
1087	24.13	1	0	5	50470	-101982	-14400	-2.02	1.92	1034989	-2091333	SLV 1	20.507				Si
1116	24.13	1	0	5	13335	-108962	-14219	-2.02	1.92	298468	-2438772	SLV 1	22.382				Si
1145	24.13	1	0	5	-56187	-117769	-14038	-2.02	1.92	-1079939	-2263582	SLV 1	19.22				Si
1174	24.13	1	0	5	-68671	-128123	-13857	-2.02	1.92	-1223866	-2283439	SLV 1	17.822				Si
1203	24.13	1	0	5	-81710	-139743	-13675	-2.02	1.92	-1338378	-2288942	SLV 1	16.38				Si
1232	24.13	1	0	5	-95160	-152382	-13494	-2.02	1.92	-1423630	-2279708	SLV 1	14.96				Si
1261	24.13	1	0	5	-108923	-165837	-13313	-2.02	1.92	-1482358	-2256915	SLV 1	13.609				Si
1290	24.13	1	0	5	-122686	-179694	-13135	-2.02	1.92	-1520080	-2226412	SLV 1	12.39				Si
1310	24.13	1.6	0	5,6,7	107253	145747	-7398	-2.02	1.92	1542887	2096635	SLV 1	14.385				Si
1339	24.11	1.9	0	5,6,7,10	89384	-106214	-6640	-2.02	1.92	1693158	-2011976	SLV 3	18.943				Si
1368	24.13	1	0	6,7,10	58413	-95992	-7036	-2.02	1.92	1412929	-2321909	SLV 1	24.189				Si
1397	24.13	1	0	6,7,10	50510	89424	-3658	-2.02	1.92	1289020	2282135	SLV 15	25.52				Si
1426	24.13	1	0	6,7,10	-49738	-85609	-6673	-2.02	1.92	-1368263	-2355081	SLV 1	27.51				Si
1455	24.13	1	0	6,7,10	-58551	-84758	-6492	-2.02	1.92	-1532189	-2217969	SLV 1	26.168				Si
1484	24.13	1	0	6,7,10	-69671	-88418	-6311	-2.02	1.92	-1651545	-2095961	SLV 1	23.705				Si
1513	24.13	1	0	6,7,10	-83303	-96839	-6130	-2.02	1.92	-1714305	-1992873	SLV 1	20.579				Si
1542	24.13	1	0	6,7,10	-99209	-109469	-5948	-2.02	1.92	-1730856	-1909855	SLV 1	17.447				Si
1571	24.13	1	0	6,7,10	-142295	-95638	-5524	-2.02	1.92	-2069168	-1390712	SLV 5	14.541				Si
1600	24.13	1	0	6,7,10	-162939	-110309	-5343	-2.02	1.92	-1869971	-1265968	SLV 5	11.477				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	1.6	0	1,2,8	325223	844427	-34074	991079	2573295	SLD 1	3.047	Si
-111	24.11	1.9	0	1,2,8,9	299829	784009	-33894	991564	2592793	SLD 1	3.307	Si
-81	24.13	1	0	2,9	274001	722557	-33710	991174	2613780	SLD 1	3.617	Si
-52	24.13	1	0	2,9	248180	661119	-33526	989468	2635814	SLD 1	3.987	Si
-22	24.13	1	0	2,9	222367	599701	-33342	985489	2657758	SLD 1	4.432	Si
7	24.13	1	0	2,9	196565	538306	-33158	976985	2675534	SLD 1	4.97	Si
36	24.13	1	0	2,9	170779	476945	-32974	960537	2682553	SLD 1	5.624	Si
66	24.13	1	0	2,9	145016	415634	-32791	929829	2665004	SLD 1	6.412	Si
95	24.13	1	0	2,9	119287	354391	-32607	876476	2603932	SLD 1	7.348	Si
125	24.13	1	0	2,9	93353	292640	-32421	788446	2471586	SLD 1	8.446	Si
154	24.13	1	0	2,9	68039	232310	-32239	657304	2244257	SLD 1	9.661	Si
184	24.13	1	0	2,9	42673	171715	-32055	470797	1894460	SLD 1	11.033	Si
213	24.13	1	0	2,9	18144	112713	-31874	230027	1428983	SLD 1	12.678	Si
242	24.13	1	0	2,9	-5067	54326	-31688	-70750	758557	SLD 1	13.963	Si
272	24.13	1	0	2,9	-22496	1238	-31504	-315941	17381	SLD 1	14.045	Si
301	24.13	1	0	2,9	-62572	-82212	-30748	-805678	-1058570	SLD 5	12.876	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
331	24.13	1	0	2,9	-90775	-147324	-31136	-995000	-1614846	SLD 1	10.961	Si
360	24.13	1	0	2,9	-115527	-205300	-30956	-1116237	-1983647	SLD 1	9.662	Si
380	24.13	1.9	0	2,3,9	-34089	-141001	-26186	-460266	-1903779	SLD 1	13.502	Si
409	24.13	1.9	0	2,3,9	-31789	-131563	-26008	-441055	-1825349	SLD 1	13.874	Si
438	24.13	1	0	3	-29606	-122145	-25827	-422337	-1742426	SLD 1	14.265	Si
467	24.13	1	0	3	-27597	-112928	-25646	-404795	-1656450	SLD 1	14.668	Si
496	24.13	1	0	3	-12197	-103924	-25465	-188090	-1602587	SLD 1	15.421	Si
525	24.13	1	0	3	14482	-95139	-25283	228316	-1499926	SLD 1	15.766	Si
554	24.13	1	0	3	30080	-82351	-24203	491068	-1344428	SLD 3	16.326	Si
583	24.13	1	0	3	31832	-78214	-24022	526008	-1292442	SLD 3	16.524	Si
612	24.13	1	0	3	33790	-70051	-23840	570423	-1182578	SLD 3	16.882	Si
641	24.13	1	0	3	35943	-62067	-23659	619463	-1069707	SLD 3	17.235	Si
670	24.13	1	0	3	38277	-54242	-23478	672999	-953696	SLD 3	17.582	Si
690	24.13	1.9	0	3,4	94698	80695	-19556	1554600	1324716	SLD 1	16.416	Si
719	24.13	1.9	0	3,4	82143	71710	-19378	1429442	1247883	SLD 1	17.402	Si
748	24.13	1	0	4	69814	63310	-19197	1286957	1167069	SLD 1	18.434	Si
777	24.13	1	0	4	58177	55779	-19016	1133979	1087238	SLD 1	19.492	Si
806	24.13	1	0	4	45544	49200	-18834	941602	1017185	SLD 1	20.675	Si
835	24.13	1	0	4	38210	-37331	-17974	865531	-845616	SLD 3	22.652	Si
864	24.13	1	0	4	29877	-45081	-17792	682553	-1029907	SLD 3	22.846	Si
893	24.13	1	0	4	22301	-53667	-17611	510205	-1227809	SLD 3	22.878	Si
922	24.13	1	0	4	15283	-57999	-17430	353906	-1343088	SLD 3	23.157	Si
951	24.13	1	0	4	-48107	-72847	-17928	-956924	-1449038	SLD 1	19.892	Si
980	24.13	1	0	4	-61104	-83197	-17747	-1149641	-1565297	SLD 1	18.814	Si
1000	24.13	1.9	0	4,5	54577	40735	-12982	1457828	1088083	SLD 1	26.712	Si
1029	24.13	1.9	0	4,5	42247	51336	-12346	1173657	1426157	SLD 3	27.781	Si
1058	24.13	1	0	5	40873	48830	-12165	1163917	1390521	SLD 3	28.477	Si
1087	24.13	1	0	5	32391	-50513	-12438	932190	-1453721	SLD 1	28.779	Si
1116	24.13	1	0	5	11751	-54709	-12257	361189	-1681555	SLD 1	30.736	Si
1145	24.13	1	0	5	-24150	-59531	-12076	-703402	-1733960	SLD 1	29.127	Si
1174	24.13	1	0	5	-32351	-64904	-11895	-902911	-1811484	SLD 1	27.91	Si
1203	24.13	1	0	5	-40781	-70753	-11713	-1085072	-1882540	SLD 1	26.607	Si
1232	24.13	1	0	5	-49383	-77003	-11532	-1246024	-1942922	SLD 1	25.232	Si
1261	24.13	1	0	5	-58118	-83589	-11351	-1383734	-1990163	SLD 1	23.809	Si
1290	24.13	1	0	5	-66806	-90335	-11173	-1495275	-2021900	SLD 1	22.382	Si
1310	24.13	1.6	0	5,6,7	71904	78798	-6445	1795492	1967641	SLD 1	24.971	Si
1339	24.11	1.9	0	5,6,7,10	57906	-46871	-6035	2041324	-1652304	SLD 3	35.252	Si
1368	24.13	1	0	6,7,10	37891	-44047	-6083	1606494	-1867525	SLD 1	42.398	Si
1397	24.13	1	0	6,7,10	27735	42359	-4611	1418952	2167095	SLD 15	51.16	Si
1426	24.13	1	0	6,7,10	-23840	-42333	-5720	-1174867	-2086223	SLD 1	49.282	Si
1455	24.13	1	0	6,7,10	-32385	-43007	-5539	-1495540	-1986077	SLD 1	46.18	Si
1484	24.13	1	0	6,7,10	-41912	-45654	-5358	-1750824	-1907121	SLD 1	41.773	Si
1513	24.13	1	0	6,7,10	-52682	-50732	-5177	-1912817	-1842000	SLD 1	36.308	Si
1542	24.13	1	0	6,7,10	-64741	-58237	-4995	-1978441	-1779680	SLD 1	30.559	Si
1571	24.13	1	0	6,7,10	-77850	-67695	-4814	-1977902	-1719886	SLD 1	25.406	Si
1600	24.13	1	0	6,7,10	-91678	-78507	-4633	-1950477	-1670255	SLD 1	21.275	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/4Y Ø8/10	-3645	-46729	SLU 46	15670	71535	72256	2.25	19.62	-1696	-40342	SLU 20	14809	69945	72370	2.2	41.24	Si
-111	4X/4Y Ø8/10	-3645	-46494	SLU 46	15638	71535	72221	2.25	19.62	-1696	-40161	SLU 20	14785	69945	72342	2.2	41.24	Si
-81	4X/4Y Ø8/10	-3645	-46255	SLU 46	15606	71535	72185	2.25	19.62	-1696	-39978	SLU 20	14760	69945	72314	2.2	41.24	Si
-52	4X/4Y Ø8/10	-3645	-46016	SLU 46	15574	71535	72149	2.25	19.62	-1696	-39794	SLU 20	14736	69945	72286	2.2	41.24	Si
-22	4X/4Y Ø8/15	-3645	-45777	SLU 46	15542	52989	67002	2.5	14.54	-1704	-45777	SLU 46	15542	52989	67002	2.5	31.09	Si
7	4X/4Y Ø8/15	-3645	-45538	SLU 46	15509	52989	66969	2.5	14.54	-1704	-45538	SLU 46	15509	52989	66969	2.5	31.09	Si
36	4X/4Y Ø8/15	-3645	-45300	SLU 46	15477	52989	66935	2.5	14.54	-1704	-45300	SLU 46	15477	52989	66935	2.5	31.09	Si
66	4X/4Y Ø8/15	-3645	-45061	SLU 46	15445	52989	66902	2.5	14.54	-1704	-45061	SLU 46	15445	52989	66902	2.5	31.09	Si
95	4X/4Y Ø8/15	-3645	-44822	SLU 46	15413	52989	66869	2.5	14.54	-1704	-44822	SLU 46	15413	52989	66869	2.5	31.09	Si
125	4X/4Y Ø8/15	-3645	-44580	SLU 46	15380	52989	66835	2.5	14.54	-1704	-44580	SLU 46	15380	52989	66835	2.5	31.09	Si
154	4X/4Y Ø8/15	-3645	-44344	SLU 46	15348	52989	66802	2.5	14.54	-1704	-44344	SLU 46	15348	52989	66802	2.5	31.09	Si
184	4X/4Y Ø8/15	-3645	-44105	SLU 46	15316	52989	66769	2.5	14.54	-1704	-44105	SLU 46	15316	52989	66769	2.5	31.09	Si
213	4X/4Y Ø8/15	-3645	-43869	SLU 46	15285	52989	66736	2.5	14.54	-1704	-43869	SLU 46	15285	52989	66736	2.5	31.09	Si
242	4X/4Y Ø8/10	-3645	-43627	SLU 46	15252	71535	71791	2.25	19.62	-1696	-37955	SLU 20	14488	69945	72007	2.2	41.24	Si
272	4X/4Y Ø8/10	-3645	-43388	SLU 46	15220	71535	71755	2.25	19.62	-1696	-37772	SLU 20	14463	69945	71979	2.2	41.24	Si
301	4X/4Y Ø8/10	-3645	-43149	SLU 46	15187	71535	71719	2.25	19.62	-1696	-37588	SLU 20	14438	69945	71951	2.2	41.24	Si
331	4X/4Y Ø8/10	-3645	-42910	SLU 46	15155	71535	71683	2.25	19.62	-1696	-37404	SLU 20	14414	69945	71923	2.2	41.24	Si
360	4X/4Y Ø8/10	-3645	-42675	SLU 46	15124	71535	71648	2.25	19.62	-1696	-37223	SLU 20	14389	69945	71895	2.2	41.24	Si
380	4X/4Y Ø8/10	1784	-35670	SLU 46	14180	69945	71659	2.2	39.2	1162	-24269	SLU 16	12644	68355	70977	2.15	58.82	Si
409	4X/4Y Ø8/10	1784	-35438	SLU 46	14149	69945	71623	2.2	39.2	1162	-24091	SLU 16	12620	68355	70950	2.15	58.82	Si
438	4X/4Y Ø8/10	1784	-35203	SLU 46	14117	69945	71588	2.2	39.2	1162	-23909	SLU 16	12596	68355	70922	2.15	58.82	Si
467	4X/4Y Ø8/14.4	1784	-34967	SLU 46	14085	55027	65496	2.5	30.84	1162	-23728	SLU 16	12572	55027	63930	2.5	47.35	Si
496	4X/4Y Ø8/14.4	1784	-34731	SLU 46	14054	55027	65463	2.5	30.84	1162	-23547	SLU 16	12547	55027	63904	2.5	47.35	Si
525	4X/4Y Ø8/14.4	1784	-34496	SLU 46	14022	55027	65430	2.5	30.84	1162	-23366	SLU 16	12523	55027	63879	2.5	47.35	Si
554	4X/4Y Ø8/14.4	1784	-34260	SLU 46	13990	55027	65397	2.5	30.84	1162	-23184	SLU 16	12498	55027	63854	2.5	47.35	Si
583	4X/4Y Ø8/14.4	1784	-34025	SLU 46	13958	55027	65364	2.5	30.84	1162	-23003	SLU 16	12474	55027	63828	2.5	47.35	Si
612	4X/4Y Ø8/10	1784	-33789	SLU 46	13927	69945	71372	2.2	39.2	1162	-22822	SLU 16	12449	68355	70754	2.15	58.82	Si
641	4X/4Y Ø8/10	1784	-33553	SLU 46	13895	69945	71336	2.2	39.2	1162	-22641	SLU 16	12425	68355	70726	2.15	58.82	Si
670	4X/4Y Ø8/10	1784	-33318	SLU 46	13863	69945	71301	2.2	39.2	1162	-22459	SLU 16	12401	68355	70698	2.15	58.82	Si
690	4X/4Y Ø8/10	-404	-26623	SLU 46	12961	69945	70281	2.2	172.94	-641	-28815	SLU 52	13257	69945	70615	2.2	109.11	Si
719	4X/4Y Ø8/10	-404	-26391	SLU 46	12930	69945	70246	2.2	172.94	-641	-28583	SLU 52	13225	69945	70580	2.2	109.11	Si
748	4X/4Y Ø8/10	-404	-26156	SLU 46	12899	69945	70210	2.2	172.94	-641	-28347	SLU 52	13194	69945	70544	2.2	109.11	Si
777	4X/4Y Ø8/14.4	-404	-25920	SLU 46	12867	55027	64235	2.5	136.05	-641	-28112	SLU 52	13162	55027	64540	2.5	85.84	Si
806	4X/4Y Ø8/14.4	-404	-25684	SLU 46	12835	55027	64202	2.5	136.05	-641	-27876	SLU 52	13130	55027	64508	2.5	85.84	Si
835	4X/4Y Ø8/14.4	-404	-25449	SLU 46	12803	55027	64169	2.5	136.05	-641	-27641	SLU 52	13099	55027	64475	2.5	85.84	Si
864	4X/4Y Ø8/14.4	-404	-25213	SLU 46	12772	55027	64136	2.5	136.05	-641	-27405	SLU 52	13067	55027	64442	2.5	85.84	Si
893	4X/4Y Ø8/14.4	-404	-24977	SLU 46	12740	55027	64104	2.5	136.05	-641	-27169	SLU 52	13035	55027	64409	2.5	85.84	Si
922	4X/4Y Ø8/10	-404	-24742	SLU 46	12708	69945	69995	2.2	172.94	-641	-26934	SLU 52	13003	69945	70329	2.2	109.11	Si
951	4X/4Y Ø8/10	-404	-24506	SLU 46	12676	69945	69959	2.2	172.94	-641	-26698	SLU 52	12972	69945	70293	2.2	109.11	Si
980	4X/4Y Ø8/10	-404	-24271	SLU 46	12645	68355	70978	2.15	169.01	-640	-24271	SLU 46	12645	68355	70978	2.15	106.82	Si
1000	4X/4Y Ø8/10	-139	-14529	SLU 43	11332	68355	69472	2.15	490.66	-344	-19202	SLU 51	11962	68355	70194	2.15	198.86	Si
1029	4X/4Y Ø8/10	-139	-14293	SLU 43	11301	68355	69436	2.15	490.66	-344	-18966	SLU 51	11930	68355	70158	2.15	198.86	Si
1058	4X/4Y Ø8/10	-139	-14057	SLU 43	11269	68355	69399	2.15	490.66	-344	-18731	SLU 51	11898	68355	70122	2.15	198.86	Si
1087	4X/4Y Ø8/14.4	-139	-13822	SLU 43	11237	55027	62549	2.5	394.98	-344	-18495	SLU 51	11867	55027	63200	2.5	160.08	Si
1116	4X/4Y Ø8/14.4	-139	-13586	SLU 43	11205	55027	62516	2.5	394.98	-344	-18259	SLU 51	11835	55027	63167	2.5	160.08	Si
1145	4X/4Y Ø8/14.4	-139	-13350	SLU 43	11174	55027	62483	2.5	394.98	-344	-18024	SLU 51	11803	55027	63135	2.5	160.08	Si
1174	4X/4Y Ø8/14.4	-139	-13115	SLU 43	11142	55027	62451	2.5	394.98	-344	-17788	SLU 51	11771	55027	63102	2.5	160.08	Si
1203	4X/4Y Ø8/14.4	-139	-12879	SLU 43	11110	55027	62418	2.5	394.98	-344	-17552	SLU 51	11740	55027	63069	2.5	160.08	Si
1232	4X/4Y Ø8/10	-139	-12644	SLU 43	11078	68355	69181	2.15	490.66	-344	-17317	SLU 51	11708	68355	69903	2.15	198.86	Si
1261	4X/4Y Ø8/10	-139	-12408	SLU 43	11047	68355	69145	2.15	490.66	-344	-17081	SLU 51	11676	68355	69867	2.15	198.86	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1290	4X/4Y Ø8/10	-139	-12176	SLU 43	11016	68355	69109	2.15	490.66	-344	-16850	SLU 51	11645	68355	69831	2.15	198.86	Si
1310	4X/4Y Ø8/10	-273	-8791	SLU 46	10560	68355	68586	2.15	250.1	-609	-9552	SLU 51	10662	68355	68703	2.15	112.33	Si
1339	4X/4Y Ø8/10	-273	-8556	SLU 46	10528	68355	68549	2.15	250.1	-609	-9316	SLU 51	10630	68355	68667	2.15	112.33	Si
1368	4X/4Y Ø8/10	-273	-8320	SLU 46	10496	68355	68513	2.15	250.1	-609	-9081	SLU 51	10599	68355	68630	2.15	112.33	Si
1397	4X/4Y Ø8/14.4	-273	-8084	SLU 46	10464	55027	61750	2.5	201.34	-609	-8845	SLU 51	10567	55027	61856	2.5	90.43	Si
1426	4X/4Y Ø8/14.4	-273	-7849	SLU 46	10433	55027	61717	2.5	201.34	-609	-8610	SLU 51	10535	55027	61823	2.5	90.43	Si
1455	4X/4Y Ø8/14.4	-273	-7613	SLU 46	10401	55027	61684	2.5	201.34	-609	-8374	SLU 51	10503	55027	61790	2.5	90.43	Si
1484	4X/4Y Ø8/14.4	-273	-7378	SLU 46	10369	55027	61651	2.5	201.34	-609	-8138	SLU 51	10472	55027	61757	2.5	90.43	Si
1513	4X/4Y Ø8/14.4	-273	-7142	SLU 46	10337	55027	61618	2.5	201.34	-609	-7903	SLU 51	10440	55027	61724	2.5	90.43	Si
1542	4X/4Y Ø8/10	-273	-6906	SLU 46	10306	66766	69326	2.1	244.29	-609	-7667	SLU 51	10408	68355	68412	2.15	112.33	Si
1571	4X/4Y Ø8/10	-273	-6671	SLU 46	10274	66766	69289	2.1	244.29	-609	-7431	SLU 51	10376	68355	68376	2.15	112.33	Si
1600	4X/4Y Ø8/10	-273	-6435	SLU 46	10242	66766	69252	2.1	244.29	-609	-7196	SLU 51	10345	66766	69372	2.1	109.72	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/4Y Ø8/10	-3464	-39092	SLV 1	14641	69945	72180	2.2	20.19	-2279	-37638	SLV 5	14445	69945	71958	2.2	30.69	Si
-111	4X/4Y Ø8/10	-3464	-38911	SLV 1	14617	69945	72152	2.2	20.19	-2279	-37457	SLV 5	14421	69945	71931	2.2	30.69	Si
-81	4X/4Y Ø8/10	-3464	-38727	SLV 1	14592	69945	72124	2.2	20.19	-2279	-37273	SLV 5	14396	69945	71903	2.2	30.69	Si
-52	4X/4Y Ø8/10	-3464	-38543	SLV 1	14567	69945	72096	2.2	20.19	-2279	-37090	SLV 5	14371	69945	71875	2.2	30.69	Si
-22	4X/4Y Ø8/15	-3464	-38360	SLV 1	14542	52989	65968	2.5	15.3	-2279	-36906	SLV 5	14347	52989	65766	2.5	23.25	Si
7	4X/4Y Ø8/15	-3464	-38176	SLV 1	14518	52989	65943	2.5	15.3	-2279	-36722	SLV 5	14322	52989	65740	2.5	23.25	Si
36	4X/4Y Ø8/15	-3464	-37992	SLV 1	14493	52989	65917	2.5	15.3	-2279	-36538	SLV 5	14297	52989	65715	2.5	23.25	Si
66	4X/4Y Ø8/15	-3464	-37808	SLV 1	14468	52989	65891	2.5	15.3	-2279	-36354	SLV 5	14272	52989	65689	2.5	23.25	Si
95	4X/4Y Ø8/15	-3464	-37624	SLV 1	14443	52989	65866	2.5	15.3	-2279	-36170	SLV 5	14248	52989	65663	2.5	23.25	Si
125	4X/4Y Ø8/15	-3464	-37439	SLV 1	14418	52989	65840	2.5	15.3	-2279	-35985	SLV 5	14222	52989	65637	2.5	23.25	Si
154	4X/4Y Ø8/15	-3464	-37257	SLV 1	14394	52989	65815	2.5	15.3	-2279	-35803	SLV 5	14198	52989	65612	2.5	23.25	Si
184	4X/4Y Ø8/15	-3464	-37073	SLV 1	14369	52989	65789	2.5	15.3	-2279	-35619	SLV 5	14173	52989	65586	2.5	23.25	Si
213	4X/4Y Ø8/15	-3464	-36892	SLV 1	14345	52989	65764	2.5	15.3	-2279	-35438	SLV 5	14149	52989	65561	2.5	23.25	Si
242	4X/4Y Ø8/10	-3464	-36705	SLV 1	14320	69945	71816	2.2	20.19	-2279	-35251	SLV 5	14124	69945	71595	2.2	30.69	Si
272	4X/4Y Ø8/10	-3464	-36521	SLV 1	14295	69945	71788	2.2	20.19	-2279	-35067	SLV 5	14099	69945	71567	2.2	30.69	Si
301	4X/4Y Ø8/10	-3464	-36338	SLV 1	14270	69945	71760	2.2	20.19	-2279	-34884	SLV 5	14074	69945	71539	2.2	30.69	Si
331	4X/4Y Ø8/10	-3464	-36154	SLV 1	14245	69945	71732	2.2	20.19	-2279	-34700	SLV 5	14049	69945	71511	2.2	30.69	Si
360	4X/4Y Ø8/10	-3464	-35973	SLV 1	14221	69945	71705	2.2	20.19	-2279	-34519	SLV 5	14025	69945	71484	2.2	30.69	Si
380	4X/4Y Ø8/10	610	-25769	SLV 9	12846	69945	70152	2.2	114.62	248	-27911	SLV 3	13135	69945	70478	2.2	281.83	Si
409	4X/4Y Ø8/10	610	-25591	SLV 9	12822	69945	70124	2.2	114.62	248	-27733	SLV 3	13111	69945	70450	2.2	281.83	Si
438	4X/4Y Ø8/10	610	-25410	SLV 9	12798	69945	70097	2.2	114.62	248	-27551	SLV 3	13087	69945	70423	2.2	281.83	Si
467	4X/4Y Ø8/14.4	610	-25228	SLV 9	12774	55027	64139	2.5	90.17	248	-27370	SLV 3	13062	55027	64437	2.5	221.72	Si
496	4X/4Y Ø8/14.4	610	-25047	SLV 9	12749	55027	64113	2.5	90.17	248	-27189	SLV 3	13038	55027	64412	2.5	221.72	Si
525	4X/4Y Ø8/14.4	610	-24866	SLV 9	12725	55027	64088	2.5	90.17	248	-27008	SLV 3	13013	55027	64387	2.5	221.72	Si
554	4X/4Y Ø8/14.4	610	-24685	SLV 9	12700	55027	64063	2.5	90.17	248	-26826	SLV 3	12989	55027	64361	2.5	221.72	Si
583	4X/4Y Ø8/14.4	610	-24503	SLV 9	12676	55027	64038	2.5	90.17	248	-26645	SLV 3	12964	55027	64336	2.5	221.72	Si
612	4X/4Y Ø8/10	610	-24322	SLV 9	12652	68355	70986	2.15	112.01	248	-26464	SLV 3	12940	69945	70257	2.2	281.83	Si
641	4X/4Y Ø8/10	610	-24141	SLV 9	12627	68355	70958	2.15	112.01	248	-26283	SLV 3	12916	69945	70230	2.2	281.83	Si
670	4X/4Y Ø8/10	610	-23960	SLV 9	12603	68355	70930	2.15	112.01	248	-26101	SLV 3	12891	69945	70202	2.2	281.83	Si
690	4X/4Y Ø8/10	-762	-22547	SLV 1	12412	68355	70711	2.15	89.74	-844	-21707	SLV 5	12299	68355	70582	2.15	80.95	Si
719	4X/4Y Ø8/10	-762	-22369	SLV 1	12388	68355	70684	2.15	89.74	-844	-21529	SLV 5	12275	68355	70554	2.15	80.95	Si
748	4X/4Y Ø8/10	-762	-22188	SLV 1	12364	68355	70656	2.15	89.74	-844	-21348	SLV 5	12251	68355	70526	2.15	80.95	Si
777	4X/4Y Ø8/14.4	-762	-22007	SLV 1	12340	55027	63690	2.5	72.24	-844	-21167	SLV 5	12227	55027	63573	2.5	65.17	Si
806	4X/4Y Ø8/14.4	-762	-21825	SLV 1	12315	55027	63664	2.5	72.24	-844	-20986	SLV 5	12202	55027	63547	2.5	65.17	Si
835	4X/4Y Ø8/14.4	-762	-21644	SLV 1	12291	55027	63639	2.5	72.24	-844	-20804	SLV 5	12178	55027	63522	2.5	65.17	Si
864	4X/4Y Ø8/14.4	-762	-21463	SLV 1	12266	55027	63614	2.5	72.24	-844	-20623	SLV 5	12153	55027	63497	2.5	65.17	Si
893	4X/4Y Ø8/14.4	-762	-21282	SLV 1	12242	55027	63589	2.5	72.24	-844	-20442	SLV 5	12129	55027	63472	2.5	65.17	Si
922	4X/4Y Ø8/10	-762	-21100	SLV 1	12218	68355	70488	2.15	89.74	-844	-20261	SLV 5	12104	68355	70358	2.15	80.95	Si
951	4X/4Y Ø8/10	-762	-20919	SLV 1	12193	68355	70460	2.15	89.74	-844	-20079	SLV 5	12080	68355	70330	2.15	80.95	Si
980	4X/4Y Ø8/10	-762	-20738	SLV 1	12169	68355	70432	2.15	89.74	-844	-19898	SLV 5	12056	68355	70302	2.15	80.95	Si
1000	4X/4Y Ø8/10	-603	-14944	SLV 1	11388	68355	69536	2.15	113.35	-651	-14405	SLV 5	11316	68355	69453	2.15	104.97	Si
1029	4X/4Y Ø8/10	-603	-14763	SLV 1	11364	68355	69508	2.15	113.35	-651	-14223	SLV 5	11291	68355	69425	2.15	104.97	Si
1058	4X/4Y Ø8/10	-603	-14582	SLV 1	11340	68355	69480	2.15	113.35	-651	-14042	SLV 5	11267	68355	69397	2.15	104.97	Si
1087	4X/4Y Ø8/14.4	-603	-14400	SLV 1	11315	55027	62630	2.5	91.25	-651	-13861	SLV 5	11242	55027	62555	2.5	84.5	Si
1116	4X/4Y Ø8/14.4	-603	-14219	SLV 1	11291	55027	62605	2.5	91.25	-651	-13680	SLV 5	11218	55027	62529	2.5	84.5	Si
1145	4X/4Y Ø8/14.4	-603	-14038	SLV 1	11266	55027	62579	2.5	91.25	-651	-13498	SLV 5	11194	55027	62504	2.5	84.5	Si
1174	4X/4Y Ø8/14.4	-603	-13857	SLV 1	11242	55027	62554	2.5	91.25	-651	-13317	SLV 5	11169	55027	62479	2.5	84.5	Si
1203	4X/4Y Ø8/14.4	-603	-13675	SLV 1	11217	55027	62529	2.5	91.25	-651	-13136	SLV 5	11145	55027	62454	2.5	84.5	Si
1232	4X/4Y Ø8/10	-603	-13494	SLV 1	11193	68355	69312	2.15	113.35	-651	-12955	SLV 5	11120	68355	69229	2.15	104.97	Si
1261	4X/4Y Ø8/10	-603	-13313	SLV 1	11169	68355	69284	2.15	113.35	-651	-12773	SLV 5	11096	68355	69201	2.15	104.97	Si
1290	4X/4Y Ø8/10	-603	-13135	SLV 1	11145	68355	69257	2.15	113.35	-651	-12595	SLV 5	11072	68355	69174	2.15	104.97	Si
1310	4X/4Y Ø8/10	-824	-7398	SLV 1	10372	68355	68370	2.15	82.97	-752	-7156	SLV 5	10339	66766	69365	2.1	88.83	Si
1339	4X/4Y Ø8/10	-824	-7217	SLV 1	10348	66766	69375	2.1	81.04	-752	-6974	SLV 5	10315	66766	69337	2.1	88.83	Si
1368	4X/4Y Ø8/10	-824	-7036	SLV 1	10323	66766	69347	2.1	81.04	-752	-6793	SLV 5	10290	66766	69309	2.1	88.83	Si
1397	4X/4Y Ø8/14.4	-824	-6855	SLV 1	10299	55027	61578	2.5	66.79	-752	-6612	SLV 5	10266	55027	61544	2.5	73.21	Si
1426	4X/4Y Ø8/14.4	-824	-6673	SLV 1	10274	55027	61553	2.5	66.79	-752	-6431	SLV 5	10242	55027	61519	2.5	73.21	Si
1455	4X/4Y Ø8/14.4	-824	-6492	SLV 1	10250	55027	61528	2.5	66.79	-752	-6249	SLV 5	10217	55027	61494	2.5	73.21	Si
1484	4X/4Y Ø8/14.4	-824	-6311	SLV 1	10225	55027	61503	2.5	66.79	-752	-6068	SLV 5	10193	55027	61469	2.5	73.21	Si
1513	4X/4Y Ø8/14.4	-824	-6130	SLV 1	10201	55027	61477	2.5	66.79	-752	-5887	SLV 5	10168	55027	61443	2.5	73.21	Si
1542	4X/4Y Ø8/10	-824	-5948	SLV 1	10177	66766	69176	2.1	81.04	-752	-5706	SLV 5	10144	66766	69138	2.1	88.83	Si
1571	4X/4Y Ø8/10	-824	-5767	SLV 1	10152	66766	69148	2.1	81.04	-752	-5524	SLV 5	10119	66766	69110	2.1	88.83	Si
1600	4X/4Y Ø8/10	-824	-5586	SLV 1	10128	66766	69119	2.1	81.04	-752	-5343	SLV 5	10095	66766	69081	2.1	88.83	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/4Y Ø8/10	-2092	-34074	SLD 1	13965	79483	65371	2.5	31.25	-1082	-33502	SLD 5	13888	79483	65292	2.5	60.33	Si
-111	4X/4Y Ø8/10	-2092	-33894	SLD 1	13941	79483	65346	2.5	31.23	-1082	-33322	SLD 5	13864	79483	65266	2.5	60.31	Si
-81	4X/4Y Ø8/10	-2092	-33710	SLD 1	13916	79483	65320	2.5	31.22	-1082	-33138	SLD 5	13839	79483	65241	2.5	60.29	Si
-52	4X/4Y Ø8/10	-2092	-33526	SLD 1	13891	79483	65295	2.5	31.21	-1082	-32954	SLD 5	13814	79483	65215	2.5	60.26	Si
-22	4X/4Y Ø8/15	-2092	-33342	SLD 1	13867	52989	65269	2.5	25.33	-1082	-32770	SLD 5	13789	52989	65189	2.5	48.96	Si
7	4X/4Y Ø8/15	-2092	-33158	SLD 1	13842	52989	65244	2.5	25.33	-1082	-32586	SLD 5	13765	52989	65164	2.5	48.96	Si
36	4X/4Y Ø8/15	-2092	-32974	SLD 1	13817	52989	65218	2.5	25.33	-1082	-32402	SLD 5	13740	52989	65138	2.5	48.96	Si
66	4X/4Y Ø8/15	-2092	-32791	SLD 1	13792	52989	65192	2.5	25.33	-1082	-32219	SLD 5	13715	52989	65113	2.5	48.96	Si
95	4X/4Y Ø8/15	-2092	-32607	SLD 1	13767	52989	65167	2.5	25.33	-1082	-32035	SLD 5	13690	52989	65087	2.5	48.96	Si
125	4X/4Y Ø8/15	-2092	-32421	SLD 1	13742	52989	65141	2.5	25.33	-1082	-31849	SLD 5	13665	52989	65061	2.5	48.96	Si
154	4X/4Y Ø8/15	-2092	-32239	SLD 1	13718	52989	65115	2.5	25.33	-1082	-31667	SLD 5	13641	52989	65036	2.5	48.96	Si
184	4X/4Y Ø8/15	-2092	-32055	SLD 1	13693	52989	65090	2.5	25.33	-1082	-31483	SLD 5	13616	52989	65010	2.5	48.96	Si
213	4X/4Y Ø8/15	-2092	-31874	SLD 1	13669	52989	65065	2.5	25.33	-1082	-31302	SLD 5	13592	52989	64985	2.5	48.96	Si
242	4X/4Y Ø8/10	-2092	-31688	SLD 1	13644	79483	65039	2.5	31.09	-1082	-31116	SLD 5	13567	79483	64959	2.5	60.03	Si
272	4X/4Y Ø8/10	-2092	-31504	SLD 1	13619	79483	65013	2.5	31.07	-1082	-30932	SLD 5	13542	79483	64933	2.5	60	Si
301	4X/4Y Ø8/10	-2092	-31320	SLD 1	13594	79483	64987	2.5	31.06	-1082	-30748	SLD 5	13517	79483	64908	2.5	59.98	Si
331	4X/4Y Ø8/10	-2092	-31136	SLD 1	13569	79483	64962	2.5	31.05	-1082	-30564	SLD 5	13492	79483	64882	2.5	59.96	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
360	4X/4Y Ø8/10	-2092	-30956	SLD 1	13545	79483	64937	2.5	31.04	-1082	-30384	SLD 5	13468	79483	64857	2.5	59.93	Si
380	4X/4Y Ø8/10	429	-24435	SLD 9	12667	79483	64028	2.5	149.08	130	-25287	SLD 3	12782	79483	64147	2.5	494.71	Si
409	4X/4Y Ø8/10	429	-24257	SLD 9	12643	79483	64003	2.5	149.02	130	-25109	SLD 3	12758	79483	64122	2.5	494.52	Si
438	4X/4Y Ø8/10	429	-24075	SLD 9	12618	79483	63978	2.5	148.96	130	-24928	SLD 3	12733	79483	64097	2.5	494.33	Si
467	4X/4Y Ø8/14.4	429	-23894	SLD 9	12594	55027	63953	2.5	128.12	130	-24747	SLD 3	12709	55027	64071	2.5	424.37	Si
496	4X/4Y Ø8/14.4	429	-23713	SLD 9	12569	55027	63927	2.5	128.12	130	-24565	SLD 3	12684	55027	64046	2.5	424.37	Si
525	4X/4Y Ø8/14.4	429	-23532	SLD 9	12545	55027	63902	2.5	128.12	130	-24384	SLD 3	12660	55027	64021	2.5	424.37	Si
554	4X/4Y Ø8/14.4	429	-23350	SLD 9	12521	55027	63877	2.5	128.12	130	-24203	SLD 3	12635	55027	63996	2.5	424.37	Si
583	4X/4Y Ø8/14.4	429	-23169	SLD 9	12496	55027	63852	2.5	128.12	130	-24022	SLD 3	12611	55027	63970	2.5	424.37	Si
612	4X/4Y Ø8/10	429	-22988	SLD 9	12472	79483	63826	2.5	148.61	130	-23840	SLD 3	12587	79483	63945	2.5	493.16	Si
641	4X/4Y Ø8/10	429	-22807	SLD 9	12447	79483	63801	2.5	148.55	130	-23659	SLD 3	12562	79483	63920	2.5	492.96	Si
670	4X/4Y Ø8/10	429	-22625	SLD 9	12423	79483	63776	2.5	148.49	130	-23478	SLD 3	12538	79483	63895	2.5	492.77	Si
690	4X/4Y Ø8/10	-430	-19556	SLD 1	12010	79483	63348	2.5	147.23	-532	-19216	SLD 5	11964	79483	63301	2.5	118.89	Si
719	4X/4Y Ø8/10	-430	-19378	SLD 1	11986	79483	63323	2.5	147.17	-532	-19037	SLD 5	11940	79483	63276	2.5	118.84	Si
748	4X/4Y Ø8/10	-430	-19197	SLD 1	11961	79483	63298	2.5	147.11	-532	-18856	SLD 5	11915	79483	63251	2.5	118.79	Si
777	4X/4Y Ø8/14.4	-430	-19016	SLD 1	11937	55027	63273	2.5	127.89	-532	-18675	SLD 5	11891	55027	63225	2.5	103.35	Si
806	4X/4Y Ø8/14.4	-430	-18834	SLD 1	11912	55027	63248	2.5	127.89	-532	-18494	SLD 5	11866	55027	63200	2.5	103.35	Si
835	4X/4Y Ø8/14.4	-430	-18653	SLD 1	11888	55027	63222	2.5	127.89	-532	-18312	SLD 5	11842	55027	63175	2.5	103.35	Si
864	4X/4Y Ø8/14.4	-430	-18472	SLD 1	11864	55027	63197	2.5	127.89	-532	-18131	SLD 5	11818	55027	63150	2.5	103.35	Si
893	4X/4Y Ø8/14.4	-430	-18291	SLD 1	11839	55027	63172	2.5	127.89	-532	-17950	SLD 5	11793	55027	63124	2.5	103.35	Si
922	4X/4Y Ø8/10	-430	-18109	SLD 1	11815	79483	63147	2.5	146.76	-532	-17769	SLD 5	11769	79483	63099	2.5	118.51	Si
951	4X/4Y Ø8/10	-430	-17928	SLD 1	11790	79483	63121	2.5	146.7	-532	-17587	SLD 5	11744	79483	63074	2.5	118.46	Si
980	4X/4Y Ø8/10	-430	-17747	SLD 1	11766	79483	63096	2.5	146.64	-532	-17406	SLD 5	11720	79483	63049	2.5	118.41	Si
1000	4X/4Y Ø8/10	-296	-12982	SLD 1	11124	79483	62432	2.5	211.18	-373	-12757	SLD 5	11094	79483	62401	2.5	167.19	Si
1029	4X/4Y Ø8/10	-296	-12801	SLD 1	11100	79483	62407	2.5	211.09	-373	-12576	SLD 5	11069	79483	62376	2.5	167.12	Si
1058	4X/4Y Ø8/10	-296	-12620	SLD 1	11075	79483	62382	2.5	211.01	-373	-12395	SLD 5	11045	79483	62350	2.5	167.06	Si
1087	4X/4Y Ø8/14.4	-296	-12438	SLD 1	11051	55027	62356	2.5	186.13	-373	-12213	SLD 5	11020	55027	62325	2.5	147.43	Si
1116	4X/4Y Ø8/14.4	-296	-12257	SLD 1	11026	55027	62331	2.5	186.13	-373	-12032	SLD 5	10996	55027	62300	2.5	147.43	Si
1145	4X/4Y Ø8/14.4	-296	-12076	SLD 1	11002	55027	62306	2.5	186.13	-373	-11851	SLD 5	10972	55027	62274	2.5	147.43	Si
1174	4X/4Y Ø8/14.4	-296	-11895	SLD 1	10978	55027	62281	2.5	186.13	-373	-11670	SLD 5	10947	55027	62249	2.5	147.43	Si
1203	4X/4Y Ø8/14.4	-296	-11713	SLD 1	10953	55027	62255	2.5	186.13	-373	-11488	SLD 5	10923	55027	62224	2.5	147.43	Si
1232	4X/4Y Ø8/10	-296	-11532	SLD 1	10929	79483	62230	2.5	210.5	-373	-11307	SLD 5	10898	79483	62199	2.5	166.65	Si
1261	4X/4Y Ø8/10	-296	-11351	SLD 1	10904	79483	62205	2.5	210.41	-373	-11126	SLD 5	10874	79483	62173	2.5	166.58	Si
1290	4X/4Y Ø8/10	-296	-11173	SLD 1	10880	79483	62180	2.5	210.33	-373	-10948	SLD 5	10850	79483	62149	2.5	166.52	Si
1310	4X/4Y Ø8/10	-475	-6445	SLD 1	10244	79483	61521	2.5	129.49	-527	-6445	SLD 1	10244	79483	61521	2.5	116.7	Si
1339	4X/4Y Ø8/10	-475	-6264	SLD 1	10219	79483	61496	2.5	129.43	-527	-6264	SLD 1	10219	79483	61496	2.5	116.65	Si
1368	4X/4Y Ø8/10	-475	-6083	SLD 1	10195	79483	61471	2.5	129.38	-527	-6083	SLD 1	10195	79483	61471	2.5	116.6	Si
1397	4X/4Y Ø8/14.4	-475	-5902	SLD 1	10170	55027	61445	2.5	115.82	-527	-5902	SLD 1	10170	55027	61445	2.5	104.38	Si
1426	4X/4Y Ø8/14.4	-475	-5720	SLD 1	10146	55027	61420	2.5	115.82	-527	-5720	SLD 1	10146	55027	61420	2.5	104.38	Si
1455	4X/4Y Ø8/14.4	-475	-5539	SLD 1	10121	55027	61395	2.5	115.82	-527	-5539	SLD 1	10121	55027	61395	2.5	104.38	Si
1484	4X/4Y Ø8/14.4	-475	-5358	SLD 1	10097	55027	61370	2.5	115.82	-527	-5358	SLD 1	10097	55027	61370	2.5	104.38	Si
1513	4X/4Y Ø8/14.4	-475	-5177	SLD 1	10073	55027	61344	2.5	115.82	-527	-5177	SLD 1	10073	55027	61344	2.5	104.38	Si
1542	4X/4Y Ø8/10	-475	-4995	SLD 1	10048	79483	61319	2.5	129.06	-527	-4995	SLD 1	10048	79483	61319	2.5	116.32	Si
1571	4X/4Y Ø8/10	-475	-4814	SLD 1	10024	79483	61294	2.5	129.01	-527	-4814	SLD 1	10024	79483	61294	2.5	116.27	Si
1600	4X/4Y Ø8/10	-475	-4633	SLD 1	9999	79483	61269	2.5	128.95	-527	-4633	SLD 1	9999	79483	61269	2.5	116.22	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	316368	847780	-33992	SLE RA 7	-82.2	290224	782820	-28473	SLE RA 3	1119	Si
-111	283408	775699	-33811	SLE RA 7	-73.8	259558	715520	-28292	SLE RA 3	934.3	Si
-81	249878	702372	-33627	SLE RA 7	-65.4	249878	702372	-33627	SLE RA 7	-778.4	Si
-52	216348	629045	-33443	SLE RA 7	-57.2	216348	629045	-33443	SLE RA 7	-690.6	Si
-22	182817	555717	-33259	SLE RA 7	-49.2	182817	555717	-33259	SLE RA 7	-604.2	Si
7	149287	482390	-33076	SLE RA 7	-41.6	149287	482390	-33076	SLE RA 7	-521.3	Si
36	115757	409063	-32892	SLE RA 7	-32.6	115757	409063	-32892	SLE RA 7	-421.7	Si
66	82226	335736	-32708	SLE RA 7	-28.3	82226	335736	-32708	SLE RA 7	-370	Si
95	42944	249266	-34897	SLE RA 13	-24	42944	249266	-34897	SLE RA 13	-321.7	Si
125	17346	187401	-34711	SLE RA 13	-20.4	17346	187401	-34711	SLE RA 13	-279.2	Si
154	6354	132726	-34541	SLE RA 12	-17.7	6354	132726	-34541	SLE RA 12	-247.1	Si
184	-33089	65508	-34345	SLE RA 13	-16	-33089	65508	-34345	SLE RA 13	-226.8	Si
213	-84991	-29946	-31785	SLE RA 6	-15.7	-84991	-29946	-31785	SLE RA 6	-221.2	Si
242	-118955	-104228	-31605	SLE RA 7	-20	-118955	-104228	-31605	SLE RA 7	-271.7	Si
272	-152486	-177555	-31421	SLE RA 7	-24.3	-152486	-177555	-31421	SLE RA 7	-321.5	Si
301	-186016	-250882	-31237	SLE RA 7	-28.5	-186016	-250882	-31237	SLE RA 7	-371.3	Si
331	-219546	-324210	-31054	SLE RA 7	-32.7	-219546	-324210	-31054	SLE RA 7	-421.1	Si
360	-252506	-396290	-30873	SLE RA 7	-42	-252506	-396290	-30873	SLE RA 7	-524.2	Si
380	-185170	-347095	-25909	SLE RA 7	-30.5	-185170	-347095	-25909	SLE RA 7	-388.6	Si
409	-163484	-312718	-25730	SLE RA 7	-28.2	-163484	-312718	-25730	SLE RA 7	-361.1	Si
438	-141416	-277738	-25549	SLE RA 7	-25.8	-141416	-277738	-25549	SLE RA 7	-333	Si
467	-119349	-242758	-25368	SLE RA 7	-23.4	-119349	-242758	-25368	SLE RA 7	-305	Si
496	-97282	-207777	-25187	SLE RA 7	-21.1	-97282	-207777	-25187	SLE RA 7	-276.9	Si
525	-75215	-172797	-25005	SLE RA 7	-18.7	-75215	-172797	-25005	SLE RA 7	-248.9	Si
554	-53148	-137817	-24824	SLE RA 7	-16.4	-53148	-137817	-24824	SLE RA 7	-220.8	Si
583	-31080	-102836	-24643	SLE RA 7	-14	-31080	-102836	-24643	SLE RA 7	-192.8	Si
612	-9013	-67856	-24462	SLE RA 7	-11.6	-9013	-67856	-24462	SLE RA 7	-164.7	Si
641	10161	-25542	-26248	SLE RA 13	-10.6	10161	-25542	-26248	SLE RA 13	-154.5	Si
670	23838	290	-26067	SLE RA 13	-10.1	23838	290	-26067	SLE RA 13	-148.1	Si
690	94765	45461	-20800	SLE RA 13	-12.9	94765	45461	-20800	SLE RA 13	-175.6	Si
719	81989	37865	-20622	SLE RA 13	-12	81989	37865	-20622	SLE RA 13	-165	Si
748	68989	30136	-20440	SLE RA 13	-11.1	68989	30136	-20440	SLE RA 13	-154.2	Si
777	55989	22408	-20259	SLE RA 13	-10.2	55989	22408	-20259	SLE RA 13	-143.4	Si
806	42989	14679	-20078	SLE RA 13	-9.3	42989	14679	-20078	SLE RA 13	-132.6	Si
835	29989	6950	-19897	SLE RA 13	-8.4	29989	6950	-19897	SLE RA 13	-121.8	Si
864	16989	-778	-19715	SLE RA 13	-7.6	16989	-778	-19715	SLE RA 13	-111.8	Si
893	3989	-8507	-19534	SLE RA 13	-7.3	-1835	-9952	-19614	SLE RA 10	-108.4	Si
922	-13532	-16719	-19432	SLE RA 10	-8	-13532	-16719	-19432	SLE RA 10	-116.2	Si
951	-25222	-23493	-19253	SLE RA 12	-8.7	-25222	-23493	-19253	SLE RA 12	-124.1	Si
980	-36936	-30282	-19072	SLE RA 12	-9.4	-36936	-30282	-19072	SLE RA 12	-131.9	Si
1000	39105	4713	-13858	SLE RA 12	-6.6	39105	4713	-13858	SLE RA 12	-93.4	Si
1029	32114	2197	-13676	SLE RA 12	-6.2	32114	2197	-13676	SLE RA 12	-88	Si
1058	25060	-453	-13494	SLE RA 10	-5.7	25122	-320	-13495	SLE RA 12	-82.9	Si
1087	18272	-3274	-13262	SLE RA 11	-5.5	18083	-2940	-13313	SLE RA 10	-79.8	Si
1116	11906	-5290	-13081	SLE RA 11	-5.3	11906	-5290	-13081	SLE RA 11	-76.7	Si
1145	5540	-7305	-12900	SLE RA 11	-5	5540	-7305	-12900	SLE RA 11	-73.7	Si
1174	-2847	-10400	-12769	SLE RA 10	-5	-2847	-10400	-12769	SLE RA 10	-73.2	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1203	-9835	-12902	-12589	SLE RA 12	-5.3	-9835	-12902	-12589	SLE RA 12	-76.8	Si
1232	-16827	-15418	-12408	SLE RA 12	-5.6	-16827	-15418	-12408	SLE RA 12	-80.3	Si
1261	-23818	-17934	-12226	SLE RA 12	-6	-23818	-17934	-12226	SLE RA 12	-83.9	Si
1290	-30689	-20407	-12048	SLE RA 12	-6.3	-30689	-20407	-12048	SLE RA 12	-87.4	Si
1310	48181	18420	-6870	SLE RA 13	-5.1	48181	18420	-6870	SLE RA 13	-67.6	Si
1339	35833	12912	-6688	SLE RA 13	-4.3	35833	12912	-6688	SLE RA 13	-58.2	Si
1368	23485	7404	-6507	SLE RA 13	-3.5	23485	7404	-6507	SLE RA 13	-48.8	Si
1397	11137	1895	-6326	SLE RA 13	-2.7	11137	1895	-6326	SLE RA 13	-39.3	Si
1426	-3252	-5372	-6168	SLE RA 12	-2.5	-3252	-5372	-6168	SLE RA 12	-36.4	Si
1455	-15650	-10623	-5987	SLE RA 12	-3.1	-15650	-10623	-5987	SLE RA 12	-43.9	Si
1484	-28049	-15874	-5805	SLE RA 12	-3.8	-28049	-15874	-5805	SLE RA 12	-51.3	Si
1513	-40447	-21125	-5624	SLE RA 12	-4.4	-40447	-21125	-5624	SLE RA 12	-58.7	Si
1542	-52846	-26376	-5443	SLE RA 12	-5.1	-52846	-26376	-5443	SLE RA 12	-66.2	Si
1571	-65244	-31627	-5262	SLE RA 12	-5.7	-65244	-31627	-5262	SLE RA 12	-73.6	Si
1600	-77643	-36878	-5080	SLE RA 12	-6.4	-77643	-36878	-5080	SLE RA 12	-81	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	94332	465027	-30851	SLE QP 2	-33.3	Si
-111	85361	430644	-30670	SLE QP 2	-31.5	Si
-81	76235	395665	-30486	SLE QP 2	-29.6	Si
-52	67109	360686	-30302	SLE QP 2	-27.8	Si
-22	57983	325708	-30119	SLE QP 2	-26	Si
7	48857	290729	-29935	SLE QP 2	-24.1	Si
36	39732	255751	-29751	SLE QP 2	-22.3	Si
66	30606	220772	-29567	SLE QP 2	-20.5	Si
95	21480	185794	-29383	SLE QP 2	-18.6	Si
125	12262	150465	-29198	SLE QP 2	-16.8	Si
154	3228	115836	-29016	SLE QP 2	-14.9	Si
184	-5898	80858	-28832	SLE QP 2	-13.6	Si
213	-14887	46404	-28651	SLE QP 2	-12.5	Si
242	-24150	10901	-28464	SLE QP 2	-11.4	Si
272	-33276	-24078	-28280	SLE QP 2	-12.2	Si
301	-42402	-59056	-28097	SLE QP 2	-13.9	Si
331	-51528	-94035	-27913	SLE QP 2	-15.6	Si
360	-60499	-128419	-27732	SLE QP 2	-17.3	Si
380	-5173	-94960	-23583	SLE QP 2	-12.3	Si
409	-3720	-86083	-23404	SLE QP 2	-11.8	Si
438	-2243	-77049	-23223	SLE QP 2	-11.3	Si
467	-765	-68016	-23042	SLE QP 2	-10.8	Si
496	712	-58983	-22861	SLE QP 2	-10.4	Si
525	2190	-49950	-22679	SLE QP 2	-10	Si
554	3667	-40917	-22498	SLE QP 2	-9.7	Si
583	5145	-31884	-22317	SLE QP 2	-9.3	Si
612	6623	-22850	-22136	SLE QP 2	-8.9	Si
641	8100	-13817	-21954	SLE QP 2	-8.6	Si
670	9578	-4784	-21773	SLE QP 2	-8.2	Si
690	66932	34072	-17597	SLE QP 2	-10.2	Si
719	57453	27970	-17419	SLE QP 2	-9.5	Si
748	47807	21761	-17238	SLE QP 2	-8.8	Si
777	38161	15551	-17056	SLE QP 2	-8.1	Si
806	28515	9342	-16875	SLE QP 2	-7.4	Si
835	18870	3133	-16694	SLE QP 2	-6.7	Si
864	9224	-3076	-16513	SLE QP 2	-6.3	Si
893	-422	-9285	-16331	SLE QP 2	-6.1	Si
922	-10068	-15495	-16150	SLE QP 2	-6.7	Si
951	-19714	-21704	-15969	SLE QP 2	-7.2	Si
980	-29360	-27913	-15788	SLE QP 2	-7.8	Si
1000	31486	6209	-11675	SLE QP 2	-5.6	Si
1029	25927	3562	-11494	SLE QP 2	-5.2	Si
1058	20368	915	-11313	SLE QP 2	-4.8	Si
1087	14809	-1733	-11132	SLE QP 2	-4.6	Si
1116	9250	-4380	-10950	SLE QP 2	-4.4	Si
1145	3691	-7027	-10769	SLE QP 2	-4.2	Si
1174	-1868	-9674	-10588	SLE QP 2	-4.2	Si
1203	-7427	-12322	-10407	SLE QP 2	-4.4	Si
1232	-12986	-14969	-10225	SLE QP 2	-4.7	Si
1261	-18545	-17616	-10044	SLE QP 2	-5	Si
1290	-24008	-20218	-9866	SLE QP 2	-5.2	Si
1310	37935	14663	-5800	SLE QP 2	-4.1	Si
1339	27870	9661	-5619	SLE QP 2	-3.5	Si
1368	17805	4660	-5438	SLE QP 2	-2.8	Si
1397	7740	-342	-5256	SLE QP 2	-2.2	Si
1426	-2326	-5343	-5075	SLE QP 2	-2.1	Si
1455	-12391	-10344	-4894	SLE QP 2	-2.6	Si
1484	-22456	-15346	-4713	SLE QP 2	-3.2	Si
1513	-32521	-20347	-4531	SLE QP 2	-3.7	Si
1542	-42587	-25349	-4350	SLE QP 2	-4.3	Si
1571	-52652	-30350	-4169	SLE QP 2	-4.8	Si
1600	-62717	-35351	-3988	SLE QP 2	-5.3	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

Non sono presenti nodi verificabili

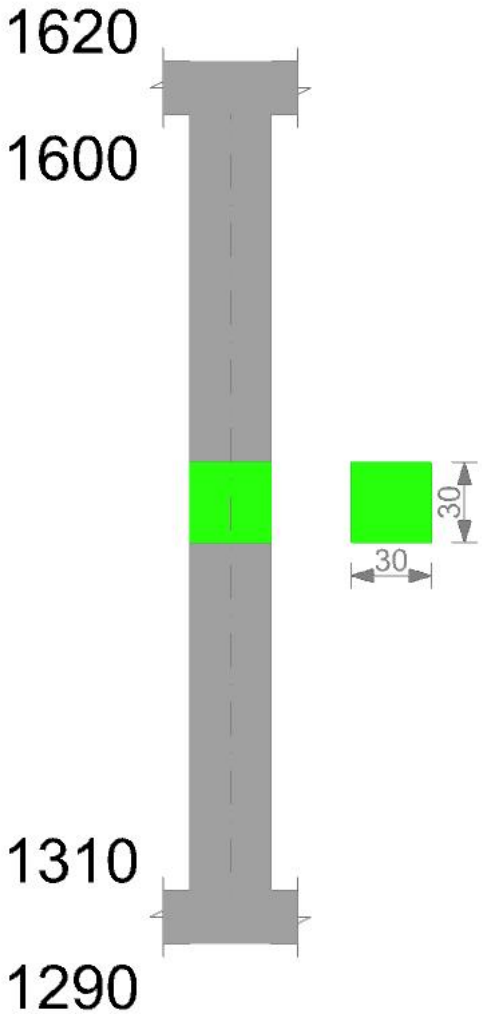
Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.

per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.

Pilastro F1

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1310	1600	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.35	-9.35	1.6	2.011	1300	1310	R 30x30_1	B450C
p.1	9.35	-9.35	1.6	2.011	1300	1310	R 30x30_1	B450C
p.1	9.35	9.35	1.6	2.011	1300	1310	R 30x30_1	B450C
p.1	-9.35	9.35	1.6	2.011	1300	1310	R 30x30_1	B450C
p.2	-9.35	-9.35	1.6	2.011	1310	1580	R 30x30_1	B450C
p.2	9.35	-9.35	1.6	2.011	1310	1580	R 30x30_1	B450C
p.2	9.35	9.35	1.6	2.011	1310	1580	R 30x30_1	B450C
p.2	-9.35	9.35	1.6	2.011	1310	1580	R 30x30_1	B450C
p.3	0	-9.7	1.6	2.011	1290	1310	R 30x30_1	B450C
p.3	0	9.7	1.6	2.011	1290	1310	R 30x30_1	B450C
p.4	0	-9.7	1.6	2.011	1310.1	1620	R 30x30_1	B450C
p.4	0	9.7	1.6	2.011	1310.1	1620	R 30x30_1	B450C
p.3	-9.7	0	1.6	2.011	1290	1310	R 30x30_1	B450C
p.3	9.7	0	1.6	2.011	1290	1310	R 30x30_1	B450C
p.4	-9.7	0	1.6	2.011	1310.1	1620	R 30x30_1	B450C
p.4	9.7	0	1.6	2.011	1310.1	1620	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1310	16.08	2.7	0	1,2,3	191380	-195903	-8174	539435	-552184	SLU 51	2.819	Si
1339	16.07	3.6	0	1,2,3,4	156345	-175296	-8089	518922	-581824	SLU 51	3.319	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1368	16.08	1.8	0	2,4	121309	-154689	-8005	489180	-623785	SLU 51	4.033	Si
1397	16.08	1.8	0	2,4	86274	-134082	-7920	442452	-687636	SLU 51	5.128	Si
1426	16.08	1.8	0	2,4	49769	-114992	-7905	342909	-792296	SLU 52	6.89	Si
1455	16.08	1.8	0	2,4	15754	-93655	-7820	153794	-914277	SLU 52	9.762	Si
1484	16.08	1.8	0	2,4	-18833	-72261	-7665	-220014	-844205	SLU 51	11.683	Si
1513	16.08	1.8	0	2,4	-53868	-51654	-7581	-583980	-559982	SLU 51	10.841	Si
1542	16.08	1.8	0	2,4	-88903	-31047	-7496	-832085	-290586	SLU 51	9.359	Si
1571	16.08	1.8	0	2,4	-123939	-14822	-7411	-951469	-113785	SLU 51	7.677	Si
1600	22.16	3.6	0	2,4	-158370	14655	-7328	-1045182	96717	SLU 51	6.6	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1310	16.08	2.7	0	1,2,3	402719	-274415	-4654	-2.02	1.92	422090	-287615	SLV 15	1.048				Si
1339	16.07	3.6	0	1,2,3,4	329763	-232438	-4589	-2.02	1.92	423185	-298288	SLV 15	1.283				Si
1368	16.08	1.8	0	2,4	256808	-190481	-4524	-2.02	1.92	425617	-315691	SLV 15	1.657				Si
1397	16.08	1.8	0	2,4	183855	-148568	-4459	-2.02	1.92	427916	-345787	SLV 15	2.327				Si
1426	16.08	1.8	0	2,4	85107	-120222	-5318	-2.02	1.92	342404	-483679	SLV 11	4.023				Si
1455	16.08	1.8	0	2,4	26643	-66478	-5253	-2.02	1.92	240703	-600592	SLV 11	9.034				Si
1484	16.08	1.8	0	2,4	12919	-60101	-4689	-2.02	1.92	145927	-678874	SLV 1	11.296				Si
1513	16.08	1.8	0	2,4	-108015	20239	-4198	-2.02	1.92	-692292	129715	SLV 15	6.409				Si
1542	16.08	1.8	0	2,4	-180961	62073	-4132	-2.02	1.92	-562876	193077	SLV 15	3.11				Si
1571	16.08	1.8	0	2,4	-253914	104004	-4067	-2.02	1.92	-510589	209139	SLV 15	2.011				Si
1600	22.16	3.6	0	2,4	-325611	145245	-4003	-2.02	1.92	-581432	259359	SLV 15	1.786				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1310	16.08	2.7	0	1,2,3	224924	-178543	-4771	422830	-335639	SLD 15	1.88	Si
1339	16.07	3.6	0	1,2,3,4	183984	-154355	-4706	423620	-355400	SLD 15	2.302	Si
1368	16.08	1.8	0	2,4	143044	-130174	-4641	422486	-384475	SLD 15	2.954	Si
1397	16.08	1.8	0	2,4	102105	-106011	-4576	402708	-418115	SLD 15	3.944	Si
1426	16.08	1.8	0	2,4	50876	-87095	-4883	307876	-527056	SLD 11	6.052	Si
1455	16.08	1.8	0	2,4	15748	-58243	-4818	176912	-654290	SLD 11	11.234	Si
1484	16.08	1.8	0	2,4	-9471	-46782	-4081	-138335	-683342	SLD 9	14.607	Si
1513	16.08	1.8	0	2,4	-53813	-22071	-4113	-596469	-244635	SLD 13	11.084	Si
1542	16.08	1.8	0	2,4	-102614	15232	-4249	-714256	106022	SLD 15	6.961	Si
1571	16.08	1.8	0	2,4	-143553	39401	-4184	-620724	170372	SLD 15	4.324	Si
1600	22.16	3.6	0	2,4	-183787	63168	-4120	-662091	227561	SLD 15	3.602	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	2X/2Y Ø8/10	736	-8244	SLU 52	4782	20988	21686	2.4	28.53	-1208	-8174	SLU 51	4773	20988	21677	2.4	17.37	Si
1339	2X/2Y Ø8/10	736	-8160	SLU 52	4771	20988	21675	2.4	28.53	-1208	-8089	SLU 51	4763	20988	21666	2.4	17.37	Si
1368	2X/2Y Ø8/10	743	-8595	SLU 48	4825	20988	21732	2.4	28.26	-1208	-8005	SLU 51	4752	20988	21655	2.4	17.37	Si
1397	3X/2Y Ø8/13.8	743	-8510	SLU 48	4815	21942	22371	2.3	29.54	-1208	-7920	SLU 51	4742	15900	21022	2.5	13.16	Si
1426	3X/2Y Ø8/13.8	743	-8425	SLU 48	4804	21942	22360	2.3	29.54	-1208	-7835	SLU 51	4731	15900	21011	2.5	13.16	Si
1455	3X/2Y Ø8/13.8	743	-8340	SLU 48	4794	21942	22348	2.3	29.54	-1208	-7750	SLU 51	4721	15900	21000	2.5	13.16	Si
1484	3X/2Y Ø8/13.8	743	-8256	SLU 48	4783	21942	22337	2.3	29.54	-1208	-7665	SLU 51	4710	15900	20989	2.5	13.16	Si
1513	2X/2Y Ø8/10	743	-8171	SLU 48	4773	20988	21676	2.4	28.26	-1208	-7581	SLU 51	4700	20988	21599	2.4	17.37	Si
1542	2X/2Y Ø8/10	743	-8086	SLU 48	4762	20988	21665	2.4	28.26	-1208	-7496	SLU 51	4689	20988	21588	2.4	17.37	Si
1571	2X/2Y Ø8/10	743	-8001	SLU 48	4752	20988	21654	2.4	28.26	-1208	-7411	SLU 51	4679	20988	21576	2.4	17.37	Si
1600	3X/2Y Ø10/6.7	743	-7918	SLU 48	4741	30744	30481	1	41.04	-1184	-6493	SLU 49	4565	27669	28905	1.35	23.37	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	2X/2Y Ø8/10	1846	-5579	SLV 11	4453	20988	21336	2.4	11.37	-2516	-4654	SLV 15	4338	20988	21214	2.4	8.34	Si
1339	2X/2Y Ø8/10	1846	-5514	SLV 11	4445	20988	21327	2.4	11.37	-2516	-4589	SLV 15	4330	20988	21205	2.4	8.34	Si
1368	2X/2Y Ø8/10	1846	-5449	SLV 11	4437	20988	21318	2.4	11.37	-2516	-4524	SLV 15	4322	20988	21197	2.4	8.34	Si
1397	3X/2Y Ø8/13.8	1846	-5384	SLV 11	4428	21942	21948	2.3	11.89	-2516	-4459	SLV 15	4314	15900	20579	2.5	6.32	Si
1426	3X/2Y Ø8/13.8	1846	-5318	SLV 11	4420	21465	22267	2.25	11.63	-2516	-4393	SLV 15	4306	15900	20571	2.5	6.32	Si
1455	3X/2Y Ø8/13.8	1846	-5253	SLV 11	4412	21465	22259	2.25	11.63	-2516	-4328	SLV 15	4298	15900	20563	2.5	6.32	Si
1484	3X/2Y Ø8/13.8	1846	-5188	SLV 11	4404	21465	22250	2.25	11.63	-2516	-4263	SLV 15	4290	15900	20554	2.5	6.32	Si
1513	2X/2Y Ø8/10	1846	-5123	SLV 11	4396	20988	21275	2.4	11.37	-2516	-4198	SLV 15	4282	20988	21154	2.4	8.34	Si
1542	2X/2Y Ø8/10	1846	-5057	SLV 11	4388	20988	21267	2.4	11.37	-2516	-4132	SLV 15	4274	20988	21145	2.4	8.34	Si
1571	2X/2Y Ø8/10	1846	-4992	SLV 11	4380	20988	21258	2.4	11.37	-2516	-4067	SLV 15	4266	20988	21137	2.4	8.34	Si
1600	3X/2Y Ø10/6.7	1846	-4928	SLV 11	4372	30744	29927	1	16.21	-2516	-4003	SLV 15	4258	27669	28464	1.35	11	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	2X/2Y Ø8/10	991	-5144	SLD 11	4399	21862	20667	2.5	20.85	-1412	-4771	SLD 15	4353	21862	20619	2.5	14.61	Si
1339	2X/2Y Ø8/10	991	-5079	SLD 11	4391	21862	20659	2.5	20.84	-1412	-4706	SLD 15	4345	21862	20611	2.5	14.6	Si
1368	2X/2Y Ø8/10	991	-5014	SLD 11	4383	21862	20650	2.5	20.84	-1412	-4641	SLD 15	4337	21862	20603	2.5	14.59	Si
1397	3X/2Y Ø8/13.8	991	-4949	SLD 11	4375	23850	20642	2.5	20.83	-1412	-4576	SLD 15	4329	15900	20594	2.5	11.26	Si
1426	3X/2Y Ø8/13.8	991	-4883	SLD 11	4367	23850	20634	2.5	20.82	-1412	-4510	SLD 15	4321	15900	20586	2.5	11.26	Si
1455	3X/2Y Ø8/13.8	991	-4818	SLD 11	4359	23850	20625	2.5	20.81	-1412	-4445	SLD 15	4313	15900	20578	2.5	11.26	Si
1484	3X/2Y Ø8/13.8	991	-4753	SLD 11	4351	23850	20617	2.5	20.8	-1412	-4380	SLD 15	4305	15900	20569	2.5	11.26	Si
1513	2X/2Y Ø8/10	991	-4688	SLD 11	4343	21862	20609	2.5	20.79	-1412	-4315	SLD 15	4296	21862	20561	2.5	14.56	Si
1542	2X/2Y Ø8/10	991	-4622	SLD 11	4334	21862	20600	2.5	20.79	-1412	-4249	SLD 15	4288	21862	20553	2.5	14.56	Si
1571	2X/2Y Ø8/10	991	-4557	SLD 11	4326	21862	20592	2.5	20.78	-1412	-4184	SLD 15	4280	21862	20544	2.5	14.55	Si
1600	3X/2Y Ø10/6.7	991	-4493	SLD 11	4318	36892	29357	1.2	29.62	-1412	-4120	SLD 15	4272	33818	26398	1.65	18.7	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1310	132362	-139791	-5913	SLE RA 12	-86.5	130854	-135251	-5357	SLE RA 10	1171.1	Si
1339	108104	-124935	-5848	SLE RA 12	-73.5	107066	-121260	-5292	SLE RA 10	958.9	Si
1368	83846	-110079	-5783	SLE RA 12	-60.4	83279	-107268	-5227	SLE RA 10	750	Si
1397	59589	-95223	-5718	SLE RA 12	-47.5	59491	-93276	-5161	SLE RA 10	549	Si
1426	35703	-79284	-5096	SLE RA 10	-34.8	35703	-79284	-5096	SLE RA 10	358.6	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1455	10774	-66035	-5634	SLE RA 13	-18.7	10774	-66035	-5634	SLE RA 13	-202.7	Si
1484	-13184	-50654	-5522	SLE RA 12	-16.3	-12803	-50692	-5569	SLE RA 13	-179.5	Si
1513	-37442	-35798	-5457	SLE RA 12	-17.9	-37442	-35798	-5457	SLE RA 12	-194.4	Si
1542	-61699	-20942	-5391	SLE RA 12	-19.5	-61699	-20942	-5391	SLE RA 12	-209.3	Si
1571	-85957	-6086	-5326	SLE RA 12	-21.2	-85957	-6086	-5326	SLE RA 12	-224.2	Si
1600	-105718	14309	-5609	SLE RA 8	-34.1	-109796	8514	-5262	SLE RA 12	389.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1310	107229	-114276	-4868	SLE QP 2	-70.3	Si
1339	87505	-101987	-4802	SLE QP 2	-59.7	Si
1368	67781	-89698	-4737	SLE QP 2	-49	Si
1397	48057	-77409	-4672	SLE QP 2	-38.5	Si
1426	28333	-65119	-4607	SLE QP 2	-20.8	Si
1455	8609	-52830	-4541	SLE QP 2	-15	Si
1484	-11115	-40541	-4476	SLE QP 2	-13.2	Si
1513	-30839	-28251	-4411	SLE QP 2	-14.5	Si
1542	-50563	-15962	-4346	SLE QP 2	-15.7	Si
1571	-70287	-3673	-4280	SLE QP 2	-17	Si
1600	-89671	8405	-4216	SLE QP 2	-20.4	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1310	113979	-120269	-5007	SLE FR 6	89222	-94146	-94146	1010.8	344	0.0292	33.75	0.0099	Si	Si
1339	93094	-107494	-4942	SLE FR 6	86635	-100036	-100036	822.9	336.8	0.0298	34.14	0.0082	Si	Si
1368	72209	-94718	-4877										No	Si
1397	51324	-81942	-4812										No	Si
1426	30439	-69166	-4746										No	Si
1455	9553	-56391	-4681										No	Si
1484	-11332	-43615	-4616										No	Si
1513	-32217	-30839	-4551										No	Si
1542	-53102	-18064	-4485										No	Si
1571	-73987	-5288	-4420										No	Si
1600	-94512	7267	-4356										No	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1310	107229	-114276	-4868	SLE QP 2	89058	-94911	-94911	946.7	342.9	0.0293	33.71	0.0093	Si	Si
1339	87505	-101987	-4802	SLE QP 2	86541	-100864	-100864	768.6	335.4	0.03	34.09	0.0076	Si	Si
1368	67781	-89698	-4737										No	Si
1397	48057	-77409	-4672										No	Si
1426	28333	-65119	-4607										No	Si
1455	8609	-52830	-4541										No	Si
1484	-11115	-40541	-4476										No	Si
1513	-30839	-28251	-4411										No	Si
1542	-50563	-15962	-4346										No	Si
1571	-70287	-3673	-4280										No	Si
1600	-89671	8405	-4216										No	Si

Verifiche nodi trave colonna

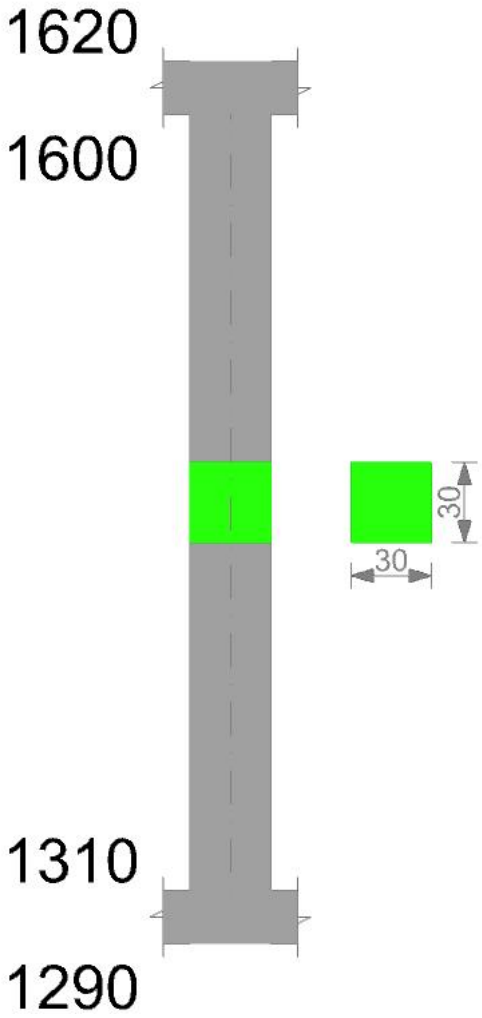
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto elemento di base della pilastrata.

Pilastro F2

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1310	1600	R 30x30 1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.35	-9.35	1.6	2.011	1300	1310	R 30x30 1	B450C
p.1	9.35	-9.35	1.6	2.011	1300	1310	R 30x30 1	B450C
p.1	9.35	9.35	1.6	2.011	1300	1310	R 30x30 1	B450C
p.1	-9.35	9.35	1.6	2.011	1300	1310	R 30x30 1	B450C
p.2	-9.35	-9.35	1.6	2.011	1310	1580	R 30x30 1	B450C
p.2	9.35	-9.35	1.6	2.011	1310	1580	R 30x30 1	B450C
p.2	9.35	9.35	1.6	2.011	1310	1580	R 30x30 1	B450C
p.2	-9.35	9.35	1.6	2.011	1310	1580	R 30x30 1	B450C
p.3	-9.7	0	1.6	2.011	1290	1310	R 30x30 1	B450C
p.3	9.7	0	1.6	2.011	1290	1310	R 30x30 1	B450C
p.4	-9.7	0	1.6	2.011	1310.1	1620	R 30x30 1	B450C
p.4	9.7	0	1.6	2.011	1310.1	1620	R 30x30 1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1310	12.06	2.2	0	1,2,3	138026	303310	-31387	335321	736866	SLU 51	2.429	Si
1339	12.06	2.7	0	1,2,3,4	109947	254931	-31303	313910	727855	SLU 51	2.855	Si
1368	12.06	1.3	0	2,4	81869	206553	-31218	278556	702788	SLU 51	3.402	Si
1397	12.06	1.3	0	2,4	62266	158174	-31133	249056	632677	SLU 51	4	Si
1426	12.06	1.3	0	2,4	62214	109603	-31107	282051	496889	SLU 52	4.534	Si
1455	12.06	1.3	0	2,4	-62045	62045	-31022	-315436	315436	SLU 52	5.084	Si
1484	12.06	1.3	0	2,4	-61875	61875	-30937	-315436	315436	SLU 52	5.098	Si
1513	12.06	1.3	0	2,4	-61705	-61705	-30853	-315436	-315436	SLU 52	5.112	Si
1542	12.06	1.3	0	2,4	-86602	-83721	-30709	-398133	-384887	SLU 51	4.597	Si
1571	12.06	1.3	0	2,4	-114681	-132100	-30624	-437899	-504412	SLU 51	3.818	Si
1600	16.61	2.7	0	2,4	-142275	-179644	-30541	-488257	-616501	SLU 51	3.432	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1310	12.06	2.2	0	1,2,3	-192514	353512	-18196	-2.02	1.92	-276204	507193	SLV 1	1.435				Si
1339	12.06	2.7	0	1,2,3,4	-150492	288598	-18130	-2.02	1.92	-272419	522416	SLV 1	1.81				Si
1368	12.06	1.3	0	2,4	-108473	223686	-18065	-2.02	1.92	-264548	545532	SLV 1	2.439				Si
1397	12.06	1.3	0	2,4	-66460	158779	-18000	-2.02	1.92	-241359	576625	SLV 1	3.632				Si
1426	12.06	1.3	0	2,4	-11906	104836	-17966	-2.02	1.92	-70782	623268	SLV 5	5.945				Si
1455	12.06	1.3	0	2,4	-20846	36175	-17506	-2.02	1.92	-170711	296244	SLV 15	8.189				Si
1484	12.06	1.3	0	2,4	-95454	51172	-17441	-2.02	1.92	-493686	264663	SLV 15	5.172				Si
1513	12.06	1.3	0	2,4	-169788	62611	-17375	-2.02	1.92	-561459	207043	SLV 15	3.307				Si
1542	12.06	1.3	0	2,4	-244133	74065	-17310	-2.02	1.92	-569726	172844	SLV 15	2.334				Si
1571	12.06	1.3	0	2,4	-318481	85524	-17245	-2.02	1.92	-572764	153808	SLV 15	1.798				Si
1600	16.61	2.7	0	2,4	-391549	96786	-17181	-2.02	1.92	-605674	149716	SLV 15	1.547				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1310	12.06	2.2	0	1,2,3	160766	145103	-17980	422468	381307	SLD 13	2.628	Si
1339	12.06	2.7	0	1,2,3,4	127129	123021	-17914	414469	401074	SLD 13	3.26	Si
1368	12.06	1.3	0	2,4	37566	156296	-17941	154961	644722	SLD 9	4.125	Si
1397	12.06	1.3	0	2,4	24863	114825	-17875	133352	615853	SLD 9	5.363	Si
1426	12.06	1.3	0	2,4	12137	73360	-17810	84921	513290	SLD 9	6.997	Si
1455	12.06	1.3	0	2,4	-9257	35015	-17609	-80672	305139	SLD 15	8.714	Si
1484	12.06	1.3	0	2,4	-48744	24954	-17544	-361950	185295	SLD 15	7.425	Si
1513	12.06	1.3	0	2,4	-88116	13504	-17479	-552373	84650	SLD 15	6.269	Si
1542	12.06	1.3	0	2,4	-127493	2060	-17413	-653677	10563	SLD 15	5.127	Si
1571	12.06	1.3	0	2,4	-141973	-53624	-17392	-560183	-211583	SLD 13	3.946	Si
1600	16.61	2.7	0	2,4	-175030	-75325	-17328	-570393	-245471	SLD 13	3.259	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	2X/2Y Ø8/10	-1668	-31387	SLU 51	7632	21862	24020	2.5	13.1	-968	-31387	SLU 51	7543	21551	23678	2.5	22.26	Si
1339	2X/2Y Ø8/10	-1668	-31303	SLU 51	7629	21862	24009	2.5	13.1	-968	-31303	SLU 51	7540	21551	23667	2.5	22.26	Si
1368	2X/2Y Ø8/10	-1668	-31218	SLU 51	7619	21862	23998	2.5	13.1	-968	-31218	SLU 51	7530	21551	23657	2.5	22.26	Si
1397	3X/2Y Ø8/13.8	-1668	-31133	SLU 51	7609	23850	23987	2.5	14.3	-968	-31133	SLU 51	7519	15674	23646	2.5	16.19	Si
1426	3X/2Y Ø8/13.8	-1668	-31048	SLU 51	7598	23850	23976	2.5	14.3	-968	-31048	SLU 51	7509	15674	23635	2.5	16.19	Si
1455	3X/2Y Ø8/13.8	-1668	-30963	SLU 51	7588	23850	23966	2.5	14.3	-968	-30963	SLU 51	7499	15674	23624	2.5	16.19	Si
1484	3X/2Y Ø8/13.8	-1668	-30878	SLU 51	7577	23850	23955	2.5	14.3	-968	-30878	SLU 51	7488	15674	23614	2.5	16.19	Si
1513	2X/2Y Ø8/10	-1668	-30794	SLU 51	7567	21862	23944	2.5	13.1	-968	-30794	SLU 51	7478	21551	23603	2.5	22.26	Si
1542	2X/2Y Ø8/10	-1668	-30709	SLU 51	7556	21862	23933	2.5	13.1	-968	-30709	SLU 51	7468	21551	23592	2.5	22.26	Si
1571	2X/2Y Ø8/10	-1668	-30624	SLU 51	7546	21862	23922	2.5	13.1	-968	-30624	SLU 51	7457	21551	23582	2.5	22.26	Si
1600	3X/2Y Ø10/6.7	-1668	-30541	SLU 51	7535	33818	34515	1.1	20.27	-968	-30541	SLU 51	7447	30306	31549	1.5	31.3	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	2X/2Y Ø8/10	-2712	-18227	SLV 5	6015	21862	22338	2.5	8.06	-2564	-17832	SLV 15	5900	21551	21971	2.5	8.41	Si
1339	2X/2Y Ø8/10	-2712	-18162	SLV 5	6007	21862	22330	2.5	8.06	-2564	-17767	SLV 15	5892	21551	21963	2.5	8.41	Si
1368	2X/2Y Ø8/10	-2712	-18097	SLV 5	5999	21862	22322	2.5	8.06	-2564	-17702	SLV 15	5884	21551	21954	2.5	8.41	Si
1397	3X/2Y Ø8/13.8	-2712	-18031	SLV 5	5990	22896	22974	2.4	8.44	-2564	-17636	SLV 15	5876	15674	21946	2.5	6.11	Si
1426	3X/2Y Ø8/13.8	-2712	-17966	SLV 5	5982	22896	22965	2.4	8.44	-2564	-17571	SLV 15	5868	15674	21938	2.5	6.11	Si
1455	3X/2Y Ø8/13.8	-2712	-17901	SLV 5	5974	22896	22956	2.4	8.44	-2564	-17506	SLV 15	5860	15674	21930	2.5	6.11	Si
1484	3X/2Y Ø8/13.8	-2712	-17836	SLV 5	5966	22896	22948	2.4	8.44	-2564	-17441	SLV 15	5852	15674	21921	2.5	6.11	Si
1513	2X/2Y Ø8/10	-2712	-17770	SLV 5	5958	21862	22280	2.5	8.06	-2564	-17375	SLV 15	5844	21551	21913	2.5	8.41	Si
1542	2X/2Y Ø8/10	-2712	-17705	SLV 5	5950	21862	22272	2.5	8.06	-2564	-17310	SLV 15	5836	21551	21905	2.5	8.41	Si
1571	2X/2Y Ø8/10	-2712	-17640	SLV 5	5942	21862	22263	2.5	8.06	-2564	-17245	SLV 15	5828	21551	21897	2.5	8.41	Si
1600	3X/2Y Ø10/6.7	-2712	-17576	SLV 5	5934	30744	32270	1	11.33	-2564	-17181	SLV 15	5821	29296	29667	1.45	11.43	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	2X/2Y Ø8/10	-1636	-18105	SLD 5	6000	21862	22323	2.5	13.36	-1358	-17935	SLD 15	5912	21551	21984	2.5	15.87	Si
1339	2X/2Y Ø8/10	-1636	-18040	SLD 5	5991	21862	22314	2.5	13.36	-1358	-17870	SLD 15	5905	21551	21976	2.5	15.87	Si
1368	2X/2Y Ø8/10	-1636	-17974	SLD 5	5983	21862	22306	2.5	13.36	-1358	-17805	SLD 15	5897	21551	21967	2.5	15.87	Si
1397	3X/2Y Ø8/13.8	-1636	-17909	SLD 5	5975	23850	22298	2.5	13.63	-1358	-17740	SLD 15	5889	15674	21959	2.5	11.54	Si
1426	3X/2Y Ø8/13.8	-1636	-17844	SLD 5	5967	23850	22289	2.5	13.62	-1358	-17674	SLD 15	5881	15674	21951	2.5	11.54	Si
1455	3X/2Y Ø8/13.8	-1636	-17779	SLD 5	5959	23850	22281	2.5	13.62	-1358	-17609	SLD 15	5873	15674	21943	2.5	11.54	Si
1484	3X/2Y Ø8/13.8	-1636	-17713	SLD 5	5951	23850	22273	2.5	13.61	-1358	-17544	SLD 15	5865	15674	21934	2.5	11.54	Si
1513	2X/2Y Ø8/10	-1636	-17648	SLD 5	5943	21862	22264	2.5	13.36	-1358	-17479	SLD 15	5857	21551	21926	2.5	15.87	Si
1542	2X/2Y Ø8/10	-1636	-17583	SLD 5	5935	21862	22256	2.5	13.36	-1358	-17413	SLD 15	5849	21551	21918	2.5	15.87	Si
1571	2X/2Y Ø8/10	-1636	-17518	SLD 5	5927	21862	22248	2.5	13.36	-1358	-17348	SLD 15	5841	21551	21910	2.5	15.87	Si
1600	3X/2Y Ø10/6.7	-1636	-17454	SLD 5	5919	38430	31461	1.25	19.23	-1358	-17284	SLD 15	5833	34347	27757	1.7	20.44	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²

Tensione limite dell'acciaio 3600 daN/cm²

Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1310	95533	214442	-22256	SLE RA 12	-92.7	95533	214442	-22256	SLE RA 12	-944.3	Si
1339	76097	180193	-22191	SLE RA 12	-75.7	76097	180193	-22191	SLE RA 12	-805.8	Si
1368	56662	145945	-22125	SLE RA 12	-60.5	56662	145945	-22125	SLE RA 12	-676.2	Si
1397	37226	111697	-22060	SLE RA 12	-47.6	37226	111697	-22060	SLE RA 12	-560.1	Si
1426	17791	77448	-21995	SLE RA 12	-37.6	17791	77448	-21995	SLE RA 12	-466.9	Si
1455	-1512	43395	-21969	SLE RA 13	-28.4	-1512	43395	-21969	SLE RA 13	-380.3	Si
1484	-20523	9470	-21904	SLE RA 13	-25.9	-20523	9470	-21904	SLE RA 13	-356.7	Si
1513	-40516	-25297	-21799	SLE RA 12	-32.5	-40516	-25297	-21799	SLE RA 12	-417.7	Si
1542	-59951	-59545	-21734	SLE RA 12	-42.3	-59951	-59545	-21734	SLE RA 12	-509	Si
1571	-79387	-93793	-21669	SLE RA 12	-52.1	-79387	-93793	-21669	SLE RA 12	-600.4	Si
1600	-98487	-127451	-21604	SLE RA 12	-63.6	-98487	-127451	-21604	SLE RA 12	-692.3	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²

Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1310	79096	167924	-18014	SLE QP 2	-73.7	Si
1339	62932	141197	-17949	SLE QP 2	-60.2	Si
1368	46769	114470	-17883	SLE QP 2	-46	Si
1397	30605	87742	-17818	SLE QP 2	-38.1	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
1426	14441	61015	-17753	SLE QP 2	-30.1	Si
1455	-1722	34288	-17688	SLE QP 2	-22.8	Si
1484	-17886	7561	-17622	SLE QP 2	-21.1	Si
1513	-34050	-19167	-17557	SLE QP 2	-26.2	Si
1542	-50213	-45894	-17492	SLE QP 2	-34.1	Si
1571	-66377	-72621	-17427	SLE QP 2	-41.9	Si
1600	-82262	-98888	-17363	SLE QP 2	-51.1	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1310	83487	179401	-18890	SLE FR 6	79967	171838	171838	446.4	206.8	0.0292	32.65	0.0042	Si	Si
1339	66493	150884	-18825										No	Si
1368	49500	122367	-18759										No	Si
1397	32506	93850	-18694										No	Si
1426	12834	54538	-16439										No	Si
1455	-2085	30495	-16373										No	Si
1484	-17003	6453	-16308										No	Si
1513	-31922	-17590	-16243										No	Si
1542	-52461	-48735	-18368										No	Si
1571	-69455	-77252	-18303										No	Si
1600	-86155	-105277	-18239										No	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

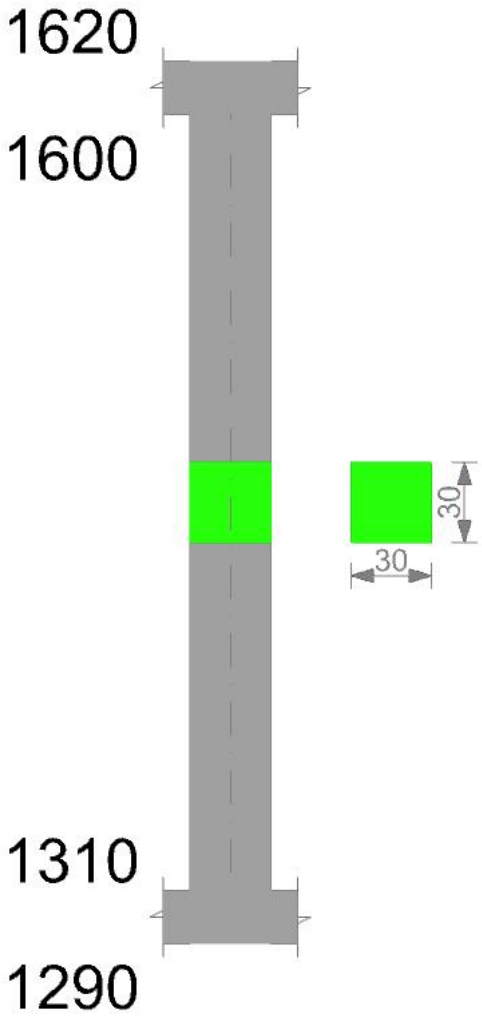
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1300 in quanto elemento di base della pilastrata.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.

Pilastro F3

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1310	1600	R 30x30 1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.35	-9.35	1.6	2.011	1300	1310	R 30x30 1	B450C
p.1	9.35	-9.35	1.6	2.011	1300	1310	R 30x30 1	B450C
p.1	9.35	9.35	1.6	2.011	1300	1310	R 30x30 1	B450C
p.1	-9.35	9.35	1.6	2.011	1300	1310	R 30x30 1	B450C
p.2	-9.35	-9.35	1.6	2.011	1310	1580	R 30x30 1	B450C
p.2	9.35	-9.35	1.6	2.011	1310	1580	R 30x30 1	B450C
p.2	9.35	9.35	1.6	2.011	1310	1580	R 30x30 1	B450C
p.2	-9.35	9.35	1.6	2.011	1310	1580	R 30x30 1	B450C
p.3	-9.7	0	1.6	2.011	1290	1310	R 30x30 1	B450C
p.3	9.7	0	1.6	2.011	1290	1310	R 30x30 1	B450C
p.4	-9.7	0	1.6	2.011	1310.1	1620	R 30x30 1	B450C
p.4	9.7	0	1.6	2.011	1310.1	1620	R 30x30 1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1310	12.06	2.2	0	1,2,3	86733	-64761	-691	446950	-333724	SLU 50	5.153	Si
1339	12.06	2.7	0	1,2,3,4	70944	-52329	-607	450028	-331947	SLU 50	6.343	Si
1368	12.06	1.3	0	2,4	55155	-39898	-522	455387	-329414	SLU 50	8.256	Si
1397	12.06	1.3	0	2,4	37522	-27015	-128	439411	-316361	SLU 24	11.711	Si
1426	12.06	1.3	0	2,4	22507	-14965	-62	447202	-297340	SLU 24	19.87	Si
1455	12.06	1.3	0	2,4	7492	-2914	3	485085	-188715	SLU 24	64.751	Si
1484	12.06	1.3	0	2,4	-7735	9313	25	-350386	421874	SLU 23	45.299	Si
1513	12.06	1.3	0	2,4	-23790	22261	-98	-403122	377208	SLU 50	16.945	Si
1542	12.06	1.3	0	2,4	-39579	34693	-13	-405399	355346	SLU 50	10.243	Si
1571	12.06	1.3	0	2,4	-55368	47124	72	-406030	345574	SLU 50	7.333	Si
1600	16.61	2.7	0	2,4	-70885	59342	155	-492053	411923	SLU 50	6.942	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1310	12.06	2.2	0	1,2,3	305946	-205142	-177	-2.02	1.92	309543	-207553	SLV 15	1.012				Si
1339	12.06	2.7	0	1,2,3,4	250142	-168856	-112	-2.02	1.92	308553	-208285	SLV 15	1.234				Si
1368	12.06	1.3	0	2,4	194342	-132570	-47	-2.02	1.92	307281	-209611	SLV 15	1.581				Si
1397	12.06	1.3	0	2,4	138552	-96286	18	-2.02	1.92	304824	-211835	SLV 15	2.2				Si
1426	12.06	1.3	0	2,4	82793	-60004	84	-2.02	1.92	299085	-216762	SLV 15	3.612				Si
1455	12.06	1.3	0	2,4	20411	-32955	420	-2.02	1.92	191287	-308853	SLV 11	9.372				Si
1484	12.06	1.3	0	2,4	-22755	13388	214	-2.02	1.92	-297338	174937	SLV 15	13.067				Si
1513	12.06	1.3	0	2,4	-84888	48886	279	-2.02	1.92	-312844	180165	SLV 15	3.685				Si
1542	12.06	1.3	0	2,4	-140650	85164	345	-2.02	1.92	-310967	188292	SLV 15	2.211				Si
1571	12.06	1.3	0	2,4	-196441	121448	410	-2.02	1.92	-310144	191744	SLV 15	1.579				Si
1600	16.61	2.7	0	2,4	-251279	157107	474	-2.02	1.92	-371975	232571	SLV 15	1.48				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1310	12.06	2.2	0	1,2,3	152972	-102602	-554	316714	-212429	SLD 15	2.07	Si
1339	12.06	2.7	0	1,2,3,4	125014	-84075	-489	317054	-213228	SLD 15	2.536	Si
1368	12.06	1.3	0	2,4	97058	-65549	-424	317865	-214672	SLD 15	3.275	Si
1397	12.06	1.3	0	2,4	69105	-47022	-358	319151	-217164	SLD 15	4.618	Si
1426	12.06	1.3	0	2,4	41165	-28497	-293	322220	-223061	SLD 15	7.827	Si
1455	12.06	1.3	0	2,4	10576	-13595	-122	255836	-328881	SLD 11	24.19	Si
1484	12.06	1.3	0	2,4	-12368	8873	-163	-333565	239294	SLD 15	26.97	Si
1513	12.06	1.3	0	2,4	-42816	27100	-97	-318520	201604	SLD 15	7.439	Si
1542	12.06	1.3	0	2,4	-70757	45623	-32	-312590	201554	SLD 15	4.418	Si
1571	12.06	1.3	0	2,4	-98709	64149	33	-310087	201518	SLD 15	3.141	Si
1600	16.61	2.7	0	2,4	-126184	82356	97	-370637	241903	SLD 15	2.937	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	2X/2Y Ø8/10	429	-691	SLU 50	3849	20550	20999	2.35	47.94	-560	-1140	SLU 51	3868	20258	20760	2.35	36.18	Si
1339	2X/2Y Ø8/10	429	-607	SLU 50	3839	20550	20988	2.35	47.94	-560	-1055	SLU 51	3857	20258	20748	2.35	36.18	Si
1368	2X/2Y Ø8/10	429	-522	SLU 50	3828	20550	20977	2.35	47.94	-560	-970	SLU 51	3847	20258	20737	2.35	36.18	Si
1397	3X/2Y Ø8/13.8	429	-437	SLU 50	3818	21465	21596	2.25	50.07	-560	-886	SLU 51	3837	15674	19836	2.5	27.99	Si
1426	3X/2Y Ø8/13.8	429	-352	SLU 50	3807	21465	21585	2.25	50.07	-560	-801	SLU 51	3826	15674	19826	2.5	27.99	Si
1455	3X/2Y Ø8/13.8	429	-267	SLU 50	3797	21465	21573	2.25	50.07	-560	-716	SLU 51	3816	15674	19815	2.5	27.99	Si
1484	3X/2Y Ø8/13.8	429	-183	SLU 50	3786	21465	21561	2.25	50.07	-560	-631	SLU 51	3806	15674	19804	2.5	27.99	Si
1513	2X/2Y Ø8/10	429	-98	SLU 50	3776	20550	20920	2.35	47.94	-560	-546	SLU 51	3796	20258	20681	2.35	36.18	Si
1542	2X/2Y Ø8/10	429	-13	SLU 50	3765	20550	20909	2.35	47.94	-560	-461	SLU 51	3785	20258	20670	2.35	36.18	Si
1571	2X/2Y Ø8/10	429	72	SLU 50	3764	20550	20907	2.35	47.94	-560	-377	SLU 51	3775	20258	20659	2.35	36.18	Si
1600	3X/2Y Ø10/6.7	429	155	SLU 50	3764	30744	29014	1	67.68	-560	-293	SLU 51	3765	27276	27411	1.35	48.71	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	2X/2Y Ø8/10	1647	93	SLV 11	3764	20550	20907	2.35	12.48	-1925	-177	SLV 15	3751	20258	20633	2.35	10.53	Si
1339	2X/2Y Ø8/10	1647	159	SLV 11	3764	20550	20907	2.35	12.48	-1925	-112	SLV 15	3743	20258	20624	2.35	10.53	Si
1368	2X/2Y Ø8/10	1647	224	SLV 11	3764	20550	20907	2.35	12.48	-1925	-47	SLV 15	3735	20258	20616	2.35	10.53	Si
1397	3X/2Y Ø8/13.8	1647	289	SLV 11	3764	21465	21536	2.25	13.03	-1925	18	SLV 15	3729	15674	19725	2.5	8.14	Si
1426	3X/2Y Ø8/13.8	1647	354	SLV 11	3764	21465	21536	2.25	13.03	-1925	84	SLV 15	3729	15674	19725	2.5	8.14	Si
1455	3X/2Y Ø8/13.8	1647	420	SLV 11	3764	21465	21536	2.25	13.03	-1925	149	SLV 15	3729	15674	19725	2.5	8.14	Si
1484	3X/2Y Ø8/13.8	1647	485	SLV 11	3764	21465	21536	2.25	13.03	-1925	214	SLV 15	3729	15674	19725	2.5	8.14	Si
1513	2X/2Y Ø8/10	1647	550	SLV 11	3764	20550	20907	2.35	12.48	-1925	279	SLV 15	3729	20258	20610	2.35	10.53	Si
1542	2X/2Y Ø8/10	1647	615	SLV 11	3764	20550	20907	2.35	12.48	-1925	345	SLV 15	3729	20258	20610	2.35	10.53	Si
1571	2X/2Y Ø8/10	1647	681	SLV 11	3764	20550	20907	2.35	12.48	-1925	410	SLV 15	3729	20258	20610	2.35	10.53	Si
1600	3X/2Y Ø10/6.7	1647	745	SLV 11	3764	30744	29014	1	17.62	-1925	474	SLV 15	3729	27276	27360	1.35	14.17	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	2X/2Y Ø8/10	795	-449	SLD 11	3819	21862	20067	2.5	25.25	-964	-554	SLD 15	3796	21551	19795	2.5	20.53	Si
1339	2X/2Y Ø8/10	795	-383	SLD 11	3811	21862	20059	2.5	25.24	-964	-489	SLD 15	3789	21551	19787	2.5	20.52	Si
1368	2X/2Y Ø8/10	795	-318	SLD 11	3803	21862	20050	2.5	25.23	-964	-424	SLD 15	3781	21551	19778	2.5	20.51	Si
1397	3X/2Y Ø8/13.8	795	-253	SLD 11	3795	23850	20042	2.5	25.22	-964	-358	SLD 15	3773	15674	19770	2.5	16.26	Si
1426	3X/2Y Ø8/13.8	795	-188	SLD 11	3787	23850	20034	2.5	25.21	-964	-293	SLD 15	3765	15674	19762	2.5	16.26	Si
1455	3X/2Y Ø8/13.8	795	-122	SLD 11	3779	23850	20025	2.5	25.2	-964	-228	SLD 15	3757	15674	19754	2.5	16.26	Si
1484	3X/2Y Ø8/13.8	795	-57	SLD 11	3771	23850	20017	2.5	25.19	-964	-163	SLD 15	3749	15674	19745	2.5	16.26	Si
1513	2X/2Y Ø8/10	795	8	SLD 11	3764	21862	20010	2.5	25.18	-964	-97	SLD 15	3741	21551	19737	2.5	20.47	Si
1542	2X/2Y Ø8/10	795	73	SLD 11	3764	21862	20010	2.5	25.18	-964	-32	SLD 15	3733	21551	19729	2.5	20.46	Si
1571	2X/2Y Ø8/10	795	139	SLD 11	3764	21862	20010	2.5	25.18	-964	33	SLD 15	3729	21551	19725	2.5	20.46	Si
1600	3X/2Y Ø10/6.7	795	203	SLD 11	3764	36892	28538	1.2	35.91	-964	97	SLD 15	3729	32327	25709	1.6	26.66	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1310	59673	-43883	-625	SLE RA 11	-38.2	59673	-43883	-625	SLE RA 11	714.4	Si
1339	48803	-35426	-559	SLE RA 11	-31	48803	-35426	-559	SLE RA 11	577.2	Si
1368	37922	-26080	-765	SLE RA 13	-12.7	37922	-26080	-765	SLE RA 13	-122.4	Si
1397	26957	-17894	-699	SLE RA 13	-9	26957	-17894	-699	SLE RA 13	-88.1	Si
1426	15991	-9708	-634	SLE RA 13	-5.4	14587	-8693	-970	SLE RA 9	-54.2	Si
1455	4184	-1362	-904	SLE RA 9	-1.9	4184	-1362	-904	SLE RA 9	-22.3	Si
1484	-6359	6088	-868	SLE RA 8	-3.1	-6359	6088	-868	SLE RA 8	-33.7	Si
1513	-17250	14606	-467	SLE RA 12	-6.4	-16966	13057	-802	SLE RA 8	-63.5	Si
1542	-28420	22430	-402	SLE RA 12	-9.9	-28420	22430	-402	SLE RA 12	-94.2	Si
1571	-38836	31222	-308	SLE RA 13	-13.3	-39589	30255	-336	SLE RA 12	-126.5	Si
1600	-48839	40545	27	SLE RA 11	-30.4	-48839	40545	27	SLE RA 11	548.7	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1310	51813	-34585	-804	SLE QP 2	-31.6	Si
1339	42274	-27851	-739	SLE QP 2	-13.8	Si
1368	32735	-21117	-674	SLE QP 2	-10.7	Si
1397	23197	-14383	-609	SLE QP 2	-7.6	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
1426	13658	-7648	-543	SLE QP 2	-4.5	Si
1455	4119	-914	-478	SLE QP 2	-1.4	Si
1484	-5420	5820	-413	SLE QP 2	-2.5	Si
1513	-14959	12554	-348	SLE QP 2	-5.4	Si
1542	-24498	19288	-282	SLE QP 2	-8.4	Si
1571	-34037	26022	-217	SLE QP 2	-11.4	Si
1600	-43411	32640	-153	SLE QP 2	-13.9	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

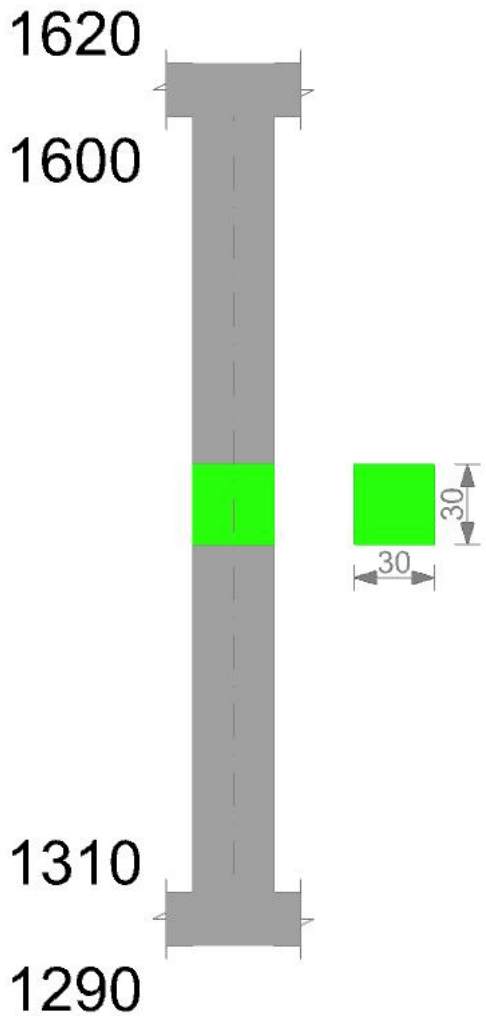
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto elemento di base della pilastrata.

Pilastro F4

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1310	1600	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.35	-9.35	1.6	2.011	1300	1310	R 30x30_1	B450C
p.1	9.35	-9.35	1.6	2.011	1300	1310	R 30x30_1	B450C
p.1	9.35	9.35	1.6	2.011	1300	1310	R 30x30_1	B450C
p.1	-9.35	9.35	1.6	2.011	1300	1310	R 30x30_1	B450C
p.2	-9.35	-9.35	1.6	2.011	1310	1580	R 30x30_1	B450C
p.2	9.35	-9.35	1.6	2.011	1310	1580	R 30x30_1	B450C
p.2	9.35	9.35	1.6	2.011	1310	1580	R 30x30_1	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.2	-9.35	9.35	1.6	2.011	1310	1580	R 30x30_1	B450C
p.3	-9.7	0	1.6	2.011	1290	1310	R 30x30_1	B450C
p.3	9.7	0	1.6	2.011	1290	1310	R 30x30_1	B450C
p.4	-9.7	0	1.6	2.011	1310.1	1620	R 30x30_1	B450C
p.4	9.7	0	1.6	2.011	1310.1	1620	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1310	12.06	2.2	0	1,2,3	-43308	-139412	-2938	-193321	-622311	SLU 51	4.464	Si
1339	12.06	2.7	0	1,2,3,4	-32878	-122606	-2855	-172748	-644203	SLU 51	5.254	Si
1368	12.06	1.3	0	2,4	-24277	-103170	-2554	-155440	-660574	SLU 49	6.403	Si
1397	12.06	1.3	0	2,4	-13333	-86695	-2470	-107974	-702054	SLU 49	8.098	Si
1426	12.06	1.3	0	2,4	-4770	-70219	-2385	-51616	-759904	SLU 49	10.822	Si
1455	12.06	1.3	0	2,4	9571	-53576	-2307	145610	-815119	SLU 50	15.214	Si
1484	12.06	1.3	0	2,4	20127	-37279	-2222	364729	-675558	SLU 50	18.122	Si
1513	12.06	1.3	0	2,4	30683	-20982	-2138	595004	-406885	SLU 50	19.392	Si
1542	12.06	1.3	0	2,4	41385	-4317	-2046	754753	-78731	SLU 49	18.237	Si
1571	12.06	1.3	0	2,4	52329	12159	-1961	677613	157443	SLU 49	12.949	Si
1600	10.43	1.8	0	2,4	63273	28634	-1876	507101	229490	SLU 49	8.015	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1310	12.06	2.2	0	1,2,3	-313924	-7608	-142	-2.02	1.92	-403467	-9778	SLV 1	1.285				Si
1339	12.06	2.7	0	1,2,3,4	-264886	-7739	-78	-2.02	1.92	-401970	-11745	SLV 1	1.518				Si
1368	12.06	1.3	0	2,4	-214992	-7764	-13	-2.02	1.92	-400139	-14450	SLV 1	1.861				Si
1397	12.06	1.3	0	2,4	-165106	-7609	52	-2.02	1.92	-397213	-18307	SLV 1	2.406				Si
1426	12.06	1.3	0	2,4	-115237	-7132	118	-2.02	1.92	-392280	-24277	SLV 1	3.404				Si
1455	12.06	1.3	0	2,4	76911	-54890	-3313	-2.02	1.92	425611	-303750	SLV 15	5.534				Si
1484	12.06	1.3	0	2,4	39261	-37589	-3248	-2.02	1.92	398880	-381889	SLV 15	10.16				Si
1513	12.06	1.3	0	2,4	35641	5995	-126	-2.02	1.92	391807	65903	SLV 3	10.993				Si
1542	12.06	1.3	0	2,4	77619	20191	-61	-2.02	1.92	367941	95712	SLV 3	4.74				Si
1571	12.06	1.3	0	2,4	134592	16091	444	-2.02	1.92	376027	44956	SLV 1	2.794				Si
1600	10.43	1.8	0	2,4	184456	27110	509	-2.02	1.92	294722	43317	SLV 1	1.598				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1310	12.06	2.2	0	1,2,3	-138947	-48580	-1194	-379190	-132577	SLD 1	2.729	Si
1339	12.06	2.7	0	1,2,3,4	-115966	-43173	-1130	-379041	-141112	SLD 1	3.269	Si
1368	12.06	1.3	0	2,4	-92585	-37629	-1065	-379203	-154119	SLD 1	4.096	Si
1397	12.06	1.3	0	2,4	-69206	-32016	-1000	-379246	-175447	SLD 1	5.48	Si
1426	12.06	1.3	0	2,4	45540	-54267	-2327	341209	-406594	SLD 15	7.493	Si
1455	12.06	1.3	0	2,4	33978	-40604	-2261	348999	-417057	SLD 15	10.271	Si
1484	12.06	1.3	0	2,4	22577	-27445	-2196	357073	-434055	SLD 15	15.816	Si
1513	12.06	1.3	0	2,4	22424	-7003	-739	484962	-151449	SLD 1	21.626	Si
1542	12.06	1.3	0	2,4	45042	7729	-848	452434	77639	SLD 3	10.045	Si
1571	12.06	1.3	0	2,4	71224	11974	-608	410392	68996	SLD 1	5.762	Si
1600	10.43	1.8	0	2,4	94593	22456	-543	308262	73179	SLD 1	3.259	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	2X/2Y Ø8/10	590	-2938	SLU 51	4126	20988	20988	2.4	35.59	377	-2723	SLU 49	4060	20258	20968	2.35	53.68	Si
1339	2X/2Y Ø8/10	590	-2855	SLU 51	4116	20550	21288	2.35	34.85	377	-2639	SLU 49	4050	20258	20957	2.35	53.68	Si
1368	2X/2Y Ø8/10	590	-2770	SLU 51	4106	20550	21277	2.35	34.85	377	-2554	SLU 49	4040	20258	20946	2.35	53.68	Si
1397	3X/2Y Ø8/13.8	590	-2685	SLU 51	4095	21465	21905	2.25	36.4	377	-2470	SLU 49	4030	15674	20036	2.5	41.53	Si
1426	3X/2Y Ø8/13.8	590	-2600	SLU 51	4085	21465	21894	2.25	36.4	377	-2385	SLU 49	4019	15674	20025	2.5	41.53	Si
1455	3X/2Y Ø8/13.8	590	-2515	SLU 51	4074	21465	21882	2.25	36.4	377	-2300	SLU 49	4009	15674	20015	2.5	41.53	Si
1484	3X/2Y Ø8/13.8	590	-2431	SLU 51	4064	21465	21870	2.25	36.4	377	-2215	SLU 49	3999	15674	20004	2.5	41.53	Si
1513	2X/2Y Ø8/10	590	-2346	SLU 51	4053	20550	21220	2.35	34.85	377	-2130	SLU 49	3988	20258	20890	2.35	53.68	Si
1542	2X/2Y Ø8/10	590	-2261	SLU 51	4043	20550	21209	2.35	34.85	377	-2046	SLU 49	3978	20258	20879	2.35	53.68	Si
1571	2X/2Y Ø8/10	590	-2176	SLU 51	4032	20550	21198	2.35	34.85	377	-1961	SLU 49	3968	20258	20868	2.35	53.68	Si
1600	3X/2Y Ø10/6.7	590	-2091	SLU 51	4022	30744	29401	1	49.86	377	-1876	SLU 49	3957	27276	27688	1.35	72.28	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	2X/2Y Ø8/10	840	-3081	SLV 11	4144	20988	21007	2.4	24.97	1721	-142	SLV 1	3746	20258	20628	2.35	11.77	Si
1339	2X/2Y Ø8/10	840	-3017	SLV 11	4136	20988	20999	2.4	24.97	1721	-78	SLV 1	3739	20258	20620	2.35	11.77	Si
1368	2X/2Y Ø8/10	840	-2952	SLV 11	4128	20988	20990	2.4	24.97	1721	-13	SLV 1	3731	20258	20611	2.35	11.77	Si
1397	3X/2Y Ø8/13.8	840	-2886	SLV 11	4120	21465	21933	2.25	25.54	1721	52	SLV 1	3729	15674	19725	2.5	9.11	Si
1426	3X/2Y Ø8/13.8	840	-2821	SLV 11	4112	21465	21924	2.25	25.54	1721	118	SLV 1	3729	15674	19725	2.5	9.11	Si
1455	3X/2Y Ø8/13.8	840	-2756	SLV 11	4104	21465	21915	2.25	25.54	1721	183	SLV 1	3729	15674	19725	2.5	9.11	Si
1484	3X/2Y Ø8/13.8	840	-2691	SLV 11	4096	21465	21906	2.25	25.54	1721	248	SLV 1	3729	15674	19725	2.5	9.11	Si
1513	2X/2Y Ø8/10	840	-2625	SLV 11	4088	20550	21257	2.35	24.45	1721	313	SLV 1	3729	20258	20610	2.35	11.77	Si
1542	2X/2Y Ø8/10	840	-2560	SLV 11	4080	20550	21249	2.35	24.45	1721	379	SLV 1	3729	20258	20610	2.35	11.77	Si
1571	2X/2Y Ø8/10	840	-2495	SLV 11	4072	20550	21240	2.35	24.45	1721	444	SLV 1	3729	20258	20610	2.35	11.77	Si
1600	3X/2Y Ø10/6.7	840	-2430	SLV 11	4064	30744	29464	1	35.06	1721	509	SLV 1	3729	27276	27360	1.35	15.85	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	2X/2Y Ø8/10	554	-2363	SLD 11	4055	21862	20312	2.5	36.63	806	-1194	SLD 1	3874	21551	19875	2.5	24.64	Si
1339	2X/2Y Ø8/10	554	-2299	SLD 11	4048	21862	20303	2.5	36.62	806	-1130	SLD 1	3867	21551	19867	2.5	24.63	Si
1368	2X/2Y Ø8/10	554	-2234	SLD 11	4039	21862	20295	2.5	36.6	806	-1065	SLD 1	3859	21551	19859	2.5	24.62	Si
1397	3X/2Y Ø8/13.8	554	-2169	SLD 11	4031	23850	20287	2.5	36.59	806	-1000	SLD 1	3851	15674	19851	2.5	19.43	Si
1426	3X/2Y Ø8/13.8	554	-2103	SLD 11	4023	23850	20278	2.5	36.57	806	-934	SLD 1	3843	15674	19843	2.5	19.43	Si
1455	3X/2Y Ø8/13.8	554	-2038	SLD 11	4015	23850	20270	2.5	36.56	806	-869	SLD 1	3835	15674	19834	2.5	19.43	Si
1484	3X/2Y Ø8/13.8	554	-1973	SLD 11	4007	23850	20262	2.5	36.54	806	-804	SLD 1	3827	15674	19826	2.5	19.43	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1513	2X/2Y Ø8/10	554	-1908	SLD 11	3999	21862	20253	2.5	36.53	806	-739	SLD 1	3819	21551	19818	2.5	24.57	Si
1542	2X/2Y Ø8/10	554	-1842	SLD 11	3991	21862	20245	2.5	36.51	806	-673	SLD 1	3811	21551	19810	2.5	24.56	Si
1571	2X/2Y Ø8/10	554	-1777	SLD 11	3983	21862	20237	2.5	36.5	806	-608	SLD 1	3803	21551	19802	2.5	24.55	Si
1600	3X/2Y Ø10/6.7	554	-1712	SLD 11	3975	36892	28850	1.2	52.03	806	-543	SLD 1	3795	32327	25798	1.6	31.99	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1310	-31710	-97378	-2013	SLE RA 10	-42.7	-31710	-97378	-2013	SLE RA 10	747.9	Si
1339	-24198	-85750	-1949	SLE RA 10	-36	-24198	-85750	-1949	SLE RA 10	624.4	Si
1368	-16555	-73917	-1883	SLE RA 10	-29.1	-16555	-73917	-1883	SLE RA 10	499.6	Si
1397	-7790	-63224	-1962	SLE RA 12	-14.6	-7790	-63224	-1962	SLE RA 12	-147.1	Si
1426	570	-50744	-1901	SLE RA 13	-11	-367	-50975	-1896	SLE RA 12	-114.9	Si
1455	7734	-38614	-1836	SLE RA 13	-10.1	7734	-38614	-1836	SLE RA 13	-104.1	Si
1484	14899	-26484	-1771	SLE RA 13	-9.2	14899	-26484	-1771	SLE RA 13	-95.7	Si
1513	22064	-14353	-1706	SLE RA 13	-8.4	22064	-14353	-1706	SLE RA 13	-87.4	Si
1542	29207	-3167	-1497	SLE RA 11	-7.6	29228	-2223	-1640	SLE RA 13	-79	Si
1571	36749	10271	-1570	SLE RA 12	-10.4	36749	10271	-1570	SLE RA 12	-105	Si
1600	44172	22521	-1505	SLE RA 12	-14.5	44172	22521	-1505	SLE RA 12	-143.2	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1310	-23622	-79444	-1890	SLE QP 2	-33.8	Si
1339	-17830	-69778	-1826	SLE QP 2	-28.4	Si
1368	-11936	-59943	-1761	SLE QP 2	-14.7	Si
1397	-6042	-50107	-1696	SLE QP 2	-11.7	Si
1426	-148	-40272	-1631	SLE QP 2	-8.8	Si
1455	5746	-30436	-1565	SLE QP 2	-8	Si
1484	11640	-20601	-1500	SLE QP 2	-7.3	Si
1513	17534	-10765	-1435	SLE QP 2	-6.6	Si
1542	23428	-930	-1370	SLE QP 2	-5.9	Si
1571	29322	8905	-1304	SLE QP 2	-8.4	Si
1600	35216	18741	-1239	SLE QP 2	-11.7	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

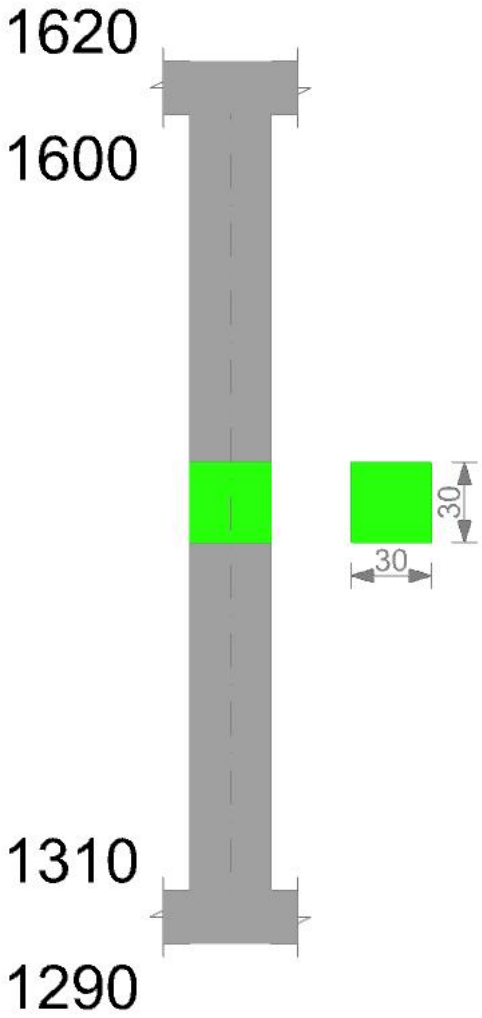
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1300 in quanto elemento di base della pilastrata.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.

Pilastro F5

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1310	1600	R 30x30 1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.35	-9.35	1.6	2.011	1300	1310	R 30x30 1	B450C
p.1	9.35	-9.35	1.6	2.011	1300	1310	R 30x30 1	B450C
p.1	9.35	9.35	1.6	2.011	1300	1310	R 30x30 1	B450C
p.1	-9.35	9.35	1.6	2.011	1300	1310	R 30x30 1	B450C
p.2	-9.35	-9.35	1.6	2.011	1310	1580	R 30x30 1	B450C
p.2	9.35	-9.35	1.6	2.011	1310	1580	R 30x30 1	B450C
p.2	9.35	9.35	1.6	2.011	1310	1580	R 30x30 1	B450C
p.2	-9.35	9.35	1.6	2.011	1310	1580	R 30x30 1	B450C
p.3	-9.7	0	1.6	2.011	1290	1310	R 30x30 1	B450C
p.3	9.7	0	1.6	2.011	1290	1310	R 30x30 1	B450C
p.4	-9.7	0	1.6	2.011	1310.1	1620	R 30x30 1	B450C
p.4	9.7	0	1.6	2.011	1310.1	1620	R 30x30 1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1310	12.06	2.2	0	1,2,3	35100	68565	-5777	368559	719956	SLU 52	10.5	Si
1339	12.06	2.7	0	1,2,3,4	38344	56612	-5692	437293	645639	SLU 52	11.405	Si
1368	12.06	1.3	0	2,4	41587	44659	-5607	516626	554786	SLU 52	12.423	Si
1397	12.06	1.3	0	2,4	44831	32706	-5523	605536	441764	SLU 52	13.507	Si
1426	12.06	1.3	0	2,4	48075	20753	-5438	696796	300795	SLU 52	14.494	Si
1455	12.06	1.3	0	2,4	51319	10706	-5353	771351	160918	SLU 52	15.031	Si
1484	12.06	1.3	0	2,4	54562	-10536	-5268	782661	-151137	SLU 52	14.344	Si
1513	12.06	1.3	0	2,4	57872	-15062	-5174	765049	-199115	SLU 51	13.22	Si
1542	12.06	1.3	0	2,4	62273	-25214	-4765	704047	-285067	SLU 49	11.306	Si
1571	12.06	1.3	0	2,4	66250	-36750	-4680	641040	-355599	SLU 49	9.676	Si
1600	10.43	1.8	0	2,4	70228	-48287	-4595	515154	-354206	SLU 49	7.335	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1310	12.06	2.2	0	1,2,3	315285	52631	-5631	-2.02	1.92	449152	74978	SLV 15	1.425				Si
1339	12.06	2.7	0	1,2,3,4	266702	43277	-5565	-2.02	1.92	463755	75252	SLV 15	1.739				Si
1368	12.06	1.3	0	2,4	218120	33925	-5500	-2.02	1.92	486387	75649	SLV 15	2.23				Si
1397	12.06	1.3	0	2,4	169538	24578	-5435	-2.02	1.92	524999	76108	SLV 15	3.097				Si
1426	12.06	1.3	0	2,4	120958	15246	-5370	-2.02	1.92	604543	76200	SLV 15	4.998				Si
1455	12.06	1.3	0	2,4	72387	6079	-5304	-2.02	1.92	653064	54845	SLV 15	9.022				Si
1484	12.06	1.3	0	2,4	37985	-6575	-806	-2.02	1.92	463105	-80165	SLV 1	12.192				Si
1513	12.06	1.3	0	2,4	90999	-4111	-740	-2.02	1.92	430553	-19448	SLV 1	4.731				Si
1542	12.06	1.3	0	2,4	144761	-7702	-675	-2.02	1.92	415061	-22084	SLV 1	2.867				Si
1571	12.06	1.3	0	2,4	198528	-11279	-610	-2.02	1.92	408323	-23198	SLV 1	2.057				Si
1600	10.43	1.8	0	2,4	252296	-14850	-545	-2.02	1.92	312899	-18418	SLV 1	1.24				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1310	12.06	2.2	0	1,2,3	134434	43995	-4299	476518	155948	SLD 15	3.545	Si
1339	12.06	2.7	0	1,2,3,4	116657	36210	-4233	501883	155785	SLD 15	4.302	Si
1368	12.06	1.3	0	2,4	98880	28426	-4168	538914	154927	SLD 15	5.45	Si
1397	12.06	1.3	0	2,4	81103	20643	-4103	575469	146476	SLD 15	7.096	Si
1426	12.06	1.3	0	2,4	63328	12866	-4038	602838	122479	SLD 15	9.519	Si
1455	12.06	1.3	0	2,4	45556	5147	-3972	644818	72845	SLD 15	14.154	Si
1484	12.06	1.3	0	2,4	33295	-5921	-2426	616580	-109656	SLD 5	18.519	Si
1513	12.06	1.3	0	2,4	56199	-6530	-2073	561139	-65206	SLD 1	9.985	Si
1542	12.06	1.3	0	2,4	79158	-11677	-2007	489047	-72142	SLD 1	6.178	Si
1571	12.06	1.3	0	2,4	102120	-16818	-1942	454808	-74903	SLD 1	4.454	Si
1600	10.43	1.8	0	2,4	125083	-21958	-1877	338203	-59370	SLD 1	2.704	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	2X/2Y Ø8/10	-412	-5777	SLU 52	4477	20988	21362	2.4	50.92	137	-5444	SLU 49	4392	20689	21014	2.4	150.84	Si
1339	2X/2Y Ø8/10	-412	-5692	SLU 52	4467	20988	21350	2.4	50.92	137	-5359	SLU 49	4381	20689	21003	2.4	150.84	Si
1368	2X/2Y Ø8/10	-412	-5607	SLU 52	4456	20988	21339	2.4	50.92	137	-5274	SLU 49	4371	20689	20992	2.4	150.84	Si
1397	3X/2Y Ø8/13.8	-412	-5523	SLU 52	4446	21942	21967	2.3	53.23	137	-5189	SLU 49	4361	15674	20378	2.5	114.27	Si
1426	3X/2Y Ø8/13.8	-412	-5438	SLU 52	4435	21942	21955	2.3	53.23	137	-5104	SLU 49	4350	15674	20368	2.5	114.27	Si
1455	3X/2Y Ø8/13.8	-412	-5353	SLU 52	4425	21942	21944	2.3	53.23	137	-5019	SLU 49	4340	15674	20357	2.5	114.27	Si
1484	3X/2Y Ø8/13.8	-412	-5268	SLU 52	4414	21465	22261	2.25	52.08	137	-4935	SLU 49	4330	15674	20346	2.5	114.27	Si
1513	2X/2Y Ø8/10	-412	-5183	SLU 52	4404	20988	21283	2.4	50.92	137	-4850	SLU 49	4319	20689	20937	2.4	150.84	Si
1542	2X/2Y Ø8/10	-412	-5099	SLU 52	4393	20988	21272	2.4	50.92	137	-4765	SLU 49	4309	20689	20926	2.4	150.84	Si
1571	2X/2Y Ø8/10	-412	-5014	SLU 52	4383	20988	21261	2.4	50.92	137	-4680	SLU 49	4299	20689	20915	2.4	150.84	Si
1600	3X/2Y Ø10/6.7	-412	-4929	SLU 52	4372	30744	29927	1	72.61	137	-4595	SLU 49	4288	27276	28163	1.35	198.87	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	2X/2Y Ø8/10	-880	-3079	SLV 9	4144	20988	21007	2.4	23.85	1854	-1197	SLV 1	3875	20258	20767	2.35	10.93	Si
1339	2X/2Y Ø8/10	-880	-3014	SLV 9	4136	20988	20998	2.4	23.85	1854	-1132	SLV 1	3867	20258	20758	2.35	10.93	Si
1368	2X/2Y Ø8/10	-880	-2949	SLV 9	4128	20988	20990	2.4	23.85	1854	-1067	SLV 1	3859	20258	20750	2.35	10.93	Si
1397	3X/2Y Ø8/13.8	-880	-2883	SLV 9	4120	21465	21933	2.25	24.4	1854	-1001	SLV 1	3851	15674	19851	2.5	8.45	Si
1426	3X/2Y Ø8/13.8	-880	-2818	SLV 9	4112	21465	21924	2.25	24.4	1854	-936	SLV 1	3843	15674	19843	2.5	8.45	Si
1455	3X/2Y Ø8/13.8	-880	-2753	SLV 9	4104	21465	21915	2.25	24.4	1854	-871	SLV 1	3835	15674	19835	2.5	8.45	Si
1484	3X/2Y Ø8/13.8	-880	-2688	SLV 9	4096	21465	21906	2.25	24.4	1854	-806	SLV 1	3827	15674	19826	2.5	8.45	Si
1513	2X/2Y Ø8/10	-880	-2622	SLV 9	4087	20550	21257	2.35	23.36	1854	-740	SLV 1	3819	20258	20707	2.35	10.93	Si
1542	2X/2Y Ø8/10	-880	-2557	SLV 9	4079	20550	21248	2.35	23.36	1854	-675	SLV 1	3811	20258	20698	2.35	10.93	Si
1571	2X/2Y Ø8/10	-880	-2492	SLV 9	4071	20550	21240	2.35	23.36	1854	-610	SLV 1	3803	20258	20690	2.35	10.93	Si
1600	3X/2Y Ø10/6.7	-880	-2427	SLV 9	4063	30744	29464	1	33.49	1854	-545	SLV 1	3795	27276	27455	1.35	14.71	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	2X/2Y Ø8/10	-504	-3283	SLD 9	4169	21862	20429	2.5	40.54	792	-2529	SLD 1	4037	21551	20044	2.5	25.31	Si
1339	2X/2Y Ø8/10	-504	-3218	SLD 9	4161	21862	20421	2.5	40.52	792	-2464	SLD 1	4029	21551	20035	2.5	25.3	Si
1368	2X/2Y Ø8/10	-504	-3153	SLD 9	4153	21862	20412	2.5	40.5	792	-2399	SLD 1	4021	21551	20027	2.5	25.29	Si
1397	3X/2Y Ø8/13.8	-504	-3087	SLD 9	4145	23850	20404	2.5	40.49	792	-2334	SLD 1	4013	15674	20019	2.5	19.79	Si
1426	3X/2Y Ø8/13.8	-504	-3022	SLD 9	4137	23850	20396	2.5	40.47	792	-2268	SLD 1	4005	15674	20011	2.5	19.79	Si
1455	3X/2Y Ø8/13.8	-504	-2957	SLD 9	4129	23850	20387	2.5	40.46	792	-2203	SLD 1	3997	15674	20002	2.5	19.79	Si
1484	3X/2Y Ø8/13.8	-504	-2892	SLD 9	4121	23850	20379	2.5	40.44	792	-2138	SLD 1	3989	15674	19994	2.5	19.79	Si
1513	2X/2Y Ø8/10	-504	-2826	SLD 9	4113	21862	20371	2.5	40.42	792	-2073	SLD 1	3981	21551	19986	2.5	25.24	Si
1542	2X/2Y Ø8/10	-504	-2761	SLD 9	4105	21862	20362	2.5	40.41	792	-2007	SLD 1	3973	21551	19978	2.5	25.23	Si
1571	2X/2Y Ø8/10	-504	-2696	SLD 9	4097	21862	20354	2.5	40.39	792	-1942	SLD 1	3965	21551	19970	2.5	25.22	Si
1600	3X/2Y Ø10/6.7	-504	-2631	SLD 9	4088	36892	29018	1.2	57.58	792	-1877	SLD 1	3958	32327	26017	1.6	32.86	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²

Tensione limite dell'acciaio 3600 daN/cm²

Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1310	24134	48449	-4136	SLE RA 13	-17.1	24134	48449	-4136	SLE RA 13	-181.9	Si
1339	26574	39993	-4071	SLE RA 13	-16	26574	39993	-4071	SLE RA 13	-171.2	Si
1368	29014	31537	-4006	SLE RA 13	-14.9	29014	31537	-4006	SLE RA 13	-160.5	Si
1397	31454	23081	-3941	SLE RA 13	-13.8	31454	23081	-3941	SLE RA 13	-149.9	Si
1426	33894	14625	-3875	SLE RA 13	-12.7	33894	14625	-3875	SLE RA 13	-139.2	Si
1455	36334	6170	-3810	SLE RA 13	-11.6	36334	6170	-3810	SLE RA 13	-128.5	Si
1484	38774	-2286	-3745	SLE RA 13	-11.3	38774	-2286	-3745	SLE RA 13	-125.5	Si
1513	41214	-10742	-3680	SLE RA 13	-13.3	41214	-10742	-3680	SLE RA 13	-143.1	Si
1542	43783	-19143	-3608	SLE RA 12	-15.2	43783	-19143	-3608	SLE RA 12	-160.8	Si
1571	46308	-27574	-3543	SLE RA 12	-17.1	46308	-27574	-3543	SLE RA 12	-178.6	Si
1600	48832	-36004	-3478	SLE RA 12	-19.9	48832	-36004	-3478	SLE RA 12	-204.4	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²

Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1310	14940	36699	-3414	SLE QP 2	-12.6	Si
1339	17533	30237	-3349	SLE QP 2	-11.9	Si
1368	20126	23775	-3283	SLE QP 2	-11.2	Si
1397	22719	17313	-3218	SLE QP 2	-10.4	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
1426	25312	10851	-3153	SLE QP 2	-9.7	Si
1455	27905	4389	-3088	SLE QP 2	-9	Si
1484	30498	-2073	-3022	SLE QP 2	-9	Si
1513	33091	-8534	-2957	SLE QP 2	-10.6	Si
1542	35684	-14996	-2892	SLE QP 2	-12.2	Si
1571	38277	-21458	-2827	SLE QP 2	-13.8	Si
1600	40870	-27920	-2761	SLE QP 2	-16.1	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

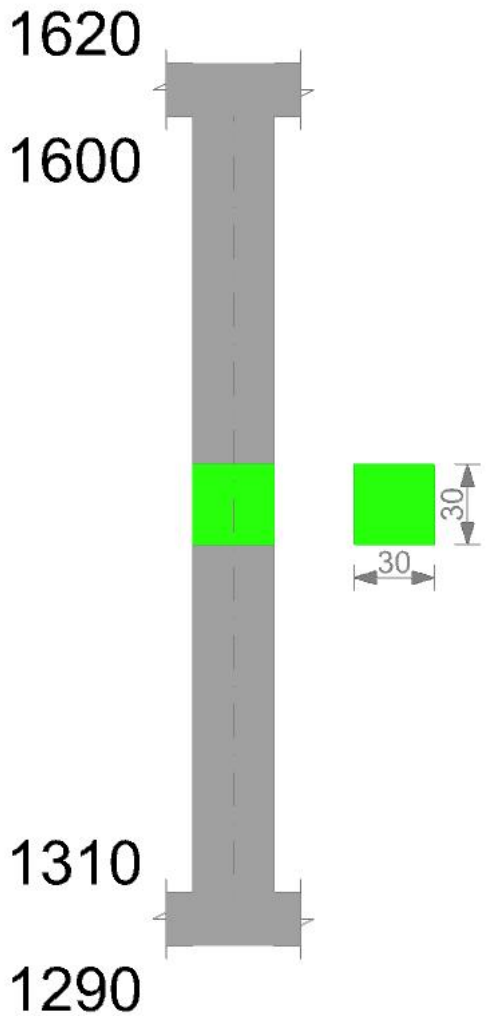
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto elemento di base della pilastrata.

Pilastro F6

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1310	1600	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.35	-9.35	1.6	2.011	1300	1310	R 30x30_1	B450C
p.1	9.35	-9.35	1.6	2.011	1300	1310	R 30x30_1	B450C
p.1	9.35	9.35	1.6	2.011	1300	1310	R 30x30_1	B450C
p.1	-9.35	9.35	1.6	2.011	1300	1310	R 30x30_1	B450C
p.2	-9.35	-9.35	1.6	2.011	1310	1580	R 30x30_1	B450C
p.2	9.35	-9.35	1.6	2.011	1310	1580	R 30x30_1	B450C
p.2	9.35	9.35	1.6	2.011	1310	1580	R 30x30_1	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.2	-9.35	9.35	1.6	2.011	1310	1580	R 30x30_1	B450C
p.3	-9.7	0	1.6	2.011	1290	1310	R 30x30_1	B450C
p.3	9.7	0	1.6	2.011	1290	1310	R 30x30_1	B450C
p.4	-9.7	0	1.6	2.011	1310.1	1620	R 30x30_1	B450C
p.4	9.7	0	1.6	2.011	1310.1	1620	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1310	12.06	2.2	0	1,2,3	-3310	6625	-1655	-271610	543606	SLU 30	82.059	Si
1339	12.06	2.7	0	1,2,3,4	7536	-3258	-1629	582514	-251826	SLU 48	77.295	Si
1368	12.06	1.3	0	2,4	12156	-3088	-1544	733677	-186394	SLU 48	60.354	Si
1397	12.06	1.3	0	2,4	17709	-2827	-1283	796553	-127165	SLU 52	44.98	Si
1426	12.06	1.3	0	2,4	22428	-3911	-1030	724126	-126281	SLU 50	32.286	Si
1455	12.06	1.3	0	2,4	28534	-3933	-945	681026	-93876	SLU 50	23.867	Si
1484	12.06	1.3	0	2,4	34641	-3955	-861	649780	-74194	SLU 50	18.758	Si
1513	12.06	1.3	0	2,4	40747	-3977	-776	620486	-60567	SLU 50	15.228	Si
1542	12.06	1.3	0	2,4	46956	-4000	-700	599979	-51104	SLU 49	12.777	Si
1571	12.06	1.3	0	2,4	53162	-4094	-615	581983	-44824	SLU 49	10.947	Si
1600	10.43	1.8	0	2,4	59261	-4188	-532	500562	-35373	SLU 49	8.447	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1310	12.06	2.2	0	1,2,3	-248833	67570	-735	-2.02	1.92	-373211	101345	SLV 1	1.5				Si
1339	12.06	2.7	0	1,2,3,4	-208415	57008	-670	-2.02	1.92	-373634	102201	SLV 1	1.793				Si
1368	12.06	1.3	0	2,4	175320	-46856	-1250	-2.02	1.92	387964	-103687	SLV 15	2.213				Si
1397	12.06	1.3	0	2,4	126905	-37008	-1185	-2.02	1.92	391555	-114186	SLV 15	3.085				Si
1426	12.06	1.3	0	2,4	109684	2952	-1362	-2.02	1.92	452702	12186	SLV 13	4.127				Si
1455	12.06	1.3	0	2,4	76945	15070	-1296	-2.02	1.92	438805	85945	SLV 13	5.703				Si
1484	12.06	1.3	0	2,4	44584	5547	-1231	-2.02	1.92	506429	63008	SLV 13	11.359				Si
1513	12.06	1.3	0	2,4	36264	-8146	-279	-2.02	1.92	397331	-89254	SLV 1	10.957				Si
1542	12.06	1.3	0	2,4	75155	-17752	-213	-2.02	1.92	378454	-89393	SLV 1	5.036				Si
1571	12.06	1.3	0	2,4	115390	-28131	-148	-2.02	1.92	372097	-90714	SLV 1	3.225				Si
1600	10.43	1.8	0	2,4	155051	-38445	-84	-2.02	1.92	288153	-71448	SLV 1	1.858				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1310	12.06	2.2	0	1,2,3	-101450	29377	-928	-391253	113294	SLD 1	3.857	Si
1339	12.06	2.7	0	1,2,3,4	-83073	24626	-863	-394322	116891	SLD 1	4.747	Si
1368	12.06	1.3	0	2,4	72016	-20279	-1057	413050	-116309	SLD 15	5.736	Si
1397	12.06	1.3	0	2,4	55053	-16224	-992	423678	-124856	SLD 15	7.696	Si
1426	12.06	1.3	0	2,4	50429	690	-1025	494085	6760	SLD 13	9.798	Si
1455	12.06	1.3	0	2,4	39670	5740	-960	483956	70025	SLD 13	12.199	Si
1484	12.06	1.3	0	2,4	29078	1397	-895	543770	26129	SLD 13	18.7	Si
1513	12.06	1.3	0	2,4	28118	-4556	-471	445333	-72155	SLD 1	15.838	Si
1542	12.06	1.3	0	2,4	45847	-8939	-406	406854	-79323	SLD 1	8.874	Si
1571	12.06	1.3	0	2,4	64144	-13620	-341	390882	-82999	SLD 1	6.094	Si
1600	10.43	1.8	0	2,4	82177	-18264	-277	298137	-66262	SLD 1	3.628	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	2X/2Y Ø8/10	-36	-1655	SLU 30	3968	20550	21128	2.35	573.28	214	-1379	SLU 49	3897	20258	20791	2.35	94.67	Si
1339	2X/2Y Ø8/10	-36	-1570	SLU 30	3958	20550	21117	2.35	573.28	214	-1294	SLU 49	3887	20258	20780	2.35	94.67	Si
1368	2X/2Y Ø8/10	-36	-1485	SLU 30	3947	20550	21105	2.35	573.28	214	-1209	SLU 49	3876	20258	20769	2.35	94.67	Si
1397	3X/2Y Ø8/13.8	-36	-1400	SLU 30	3937	21465	21729	2.25	598.78	214	-1124	SLU 49	3866	15674	19867	2.5	73.25	Si
1426	3X/2Y Ø8/13.8	-36	-1316	SLU 30	3926	21465	21717	2.25	598.78	214	-1040	SLU 49	3856	15674	19856	2.5	73.25	Si
1455	3X/2Y Ø8/13.8	-36	-1231	SLU 30	3916	21465	21705	2.25	598.78	214	-955	SLU 49	3845	15674	19845	2.5	73.25	Si
1484	3X/2Y Ø8/13.8	-36	-1146	SLU 30	3905	21465	21694	2.25	598.78	214	-870	SLU 49	3835	15674	19835	2.5	73.25	Si
1513	2X/2Y Ø8/10	-36	-1061	SLU 30	3895	20550	21049	2.35	573.28	214	-785	SLU 49	3825	20258	20713	2.35	94.67	Si
1542	2X/2Y Ø8/10	-36	-976	SLU 30	3884	20550	21037	2.35	573.28	214	-700	SLU 49	3814	20258	20702	2.35	94.67	Si
1571	2X/2Y Ø8/10	-36	-892	SLU 30	3874	20550	21026	2.35	573.28	214	-615	SLU 49	3804	20258	20690	2.35	94.67	Si
1600	3X/2Y Ø10/6.7	-36	-808	SLU 30	3863	30744	29164	1	813.55	214	-532	SLU 49	3794	27276	27453	1.35	127.46	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	2X/2Y Ø8/10	-509	-1329	SLV 5	3928	20550	21084	2.35	40.39	1394	-735	SLV 1	3819	20258	20706	2.35	14.53	Si
1339	2X/2Y Ø8/10	-509	-1263	SLV 5	3920	20550	21076	2.35	40.39	1394	-670	SLV 1	3811	20258	20698	2.35	14.53	Si
1368	2X/2Y Ø8/10	-509	-1198	SLV 5	3912	20550	21067	2.35	40.39	1394	-605	SLV 1	3803	20258	20689	2.35	14.53	Si
1397	3X/2Y Ø8/13.8	-509	-1133	SLV 5	3904	21465	21692	2.25	42.18	1394	-540	SLV 1	3795	15674	19793	2.5	11.24	Si
1426	3X/2Y Ø8/13.8	-509	-1068	SLV 5	3895	21465	21683	2.25	42.18	1394	-474	SLV 1	3787	15674	19785	2.5	11.24	Si
1455	3X/2Y Ø8/13.8	-509	-1002	SLV 5	3887	21465	21674	2.25	42.18	1394	-409	SLV 1	3779	15674	19776	2.5	11.24	Si
1484	3X/2Y Ø8/13.8	-509	-937	SLV 5	3879	21465	21665	2.25	42.18	1394	-344	SLV 1	3771	15674	19768	2.5	11.24	Si
1513	2X/2Y Ø8/10	-509	-872	SLV 5	3871	20550	21023	2.35	40.39	1394	-279	SLV 1	3763	20258	20646	2.35	14.53	Si
1542	2X/2Y Ø8/10	-509	-807	SLV 5	3863	20550	21015	2.35	40.39	1394	-213	SLV 1	3755	20258	20638	2.35	14.53	Si
1571	2X/2Y Ø8/10	-509	-741	SLV 5	3855	20550	21006	2.35	40.39	1394	-148	SLV 1	3747	20258	20629	2.35	14.53	Si
1600	3X/2Y Ø10/6.7	-509	-677	SLV 5	3847	30744	29140	1	57.26	1394	-84	SLV 1	3739	27276	27375	1.35	19.56	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	2X/2Y Ø8/10	-225	-1169	SLD 5	3908	21862	20159	2.5	89.64	634	-928	SLD 1	3842	21551	19842	2.5	31.3	Si
1339	2X/2Y Ø8/10	-225	-1103	SLD 5	3900	21862	20151	2.5	89.6	634	-863	SLD 1	3834	21551	19834	2.5	31.29	Si
1368	2X/2Y Ø8/10	-225	-1038	SLD 5	3892	21862	20142	2.5	89.57	634	-798	SLD 1	3826	21551	19825	2.5	31.28	Si
1397	3X/2Y Ø8/13.8	-225	-973	SLD 5	3884	23850	20134	2.5	89.53	634	-732	SLD 1	3818	15674	19817	2.5	24.73	Si
1426	3X/2Y Ø8/13.8	-225	-908	SLD 5	3876	23850	20126	2.5	89.49	634	-667	SLD 1	3810	15674	19809	2.5	24.73	Si
1455	3X/2Y Ø8/13.8	-225	-842	SLD 5	3868	23850	20117	2.5	89.46	634	-602	SLD 1	3802	15674	19801	2.5	24.73	Si
1484	3X/2Y Ø8/13.8	-225	-777	SLD 5	3860	23850	20109	2.5	89.42	634	-537	SLD 1	3794	15674	19793	2.5	24.73	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1513	2X/2Y Ø8/10	-225	-712	SLD 5	3852	21862	20101	2.5	89.38	634	-471	SLD 1	3786	21551	19784	2.5	31.21	Si
1542	2X/2Y Ø8/10	-225	-647	SLD 5	3843	21862	20092	2.5	89.35	634	-406	SLD 1	3778	21551	19776	2.5	31.2	Si
1571	2X/2Y Ø8/10	-225	-581	SLD 5	3835	21862	20084	2.5	89.31	634	-341	SLD 1	3771	21551	19768	2.5	31.18	Si
1600	3X/2Y Ø10/6.7	-225	-517	SLD 5	3827	36892	28633	1.2	127.32	634	-277	SLD 1	3763	32327	25754	1.6	40.63	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1310	-4563	1322	-1064	SLE RA 1	-2.1	-4563	1322	-1064	SLE RA 1	-25.2	Si
1339	4768	572	-1202	SLE RA 9	-2.1	4768	572	-1202	SLE RA 9	-26.2	Si
1368	8170	-1311	-1019	SLE RA 13	-2.7	8170	-1311	-1019	SLE RA 13	-31	Si
1397	12239	-1534	-954	SLE RA 13	-3.5	12239	-1534	-954	SLE RA 13	-37.8	Si
1426	16308	-1756	-889	SLE RA 13	-4.3	16308	-1756	-889	SLE RA 13	-44.6	Si
1455	20377	-1979	-824	SLE RA 13	-5	20377	-1979	-824	SLE RA 13	-51.4	Si
1484	24447	-2201	-758	SLE RA 13	-5.8	24447	-2201	-758	SLE RA 13	-58.1	Si
1513	28976	-2757	-581	SLE RA 11	-6.6	28519	-2375	-699	SLE RA 12	-64.9	Si
1542	33460	-2886	-522	SLE RA 10	-7.4	33460	-2886	-522	SLE RA 10	-72.2	Si
1571	37942	-3064	-457	SLE RA 10	-8.3	37942	-3064	-457	SLE RA 10	-79.6	Si
1600	42346	-3238	-393	SLE RA 10	-9.6	42346	-3238	-393	SLE RA 10	-91.8	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1310	-4563	1322	-1064	SLE QP 1	-2.1	Si
1339	-1076	909	-999	SLE QP 1	-1.3	Si
1368	3658	-200	-927	SLE QP 2	-1.6	Si
1397	7443	-542	-862	SLE QP 2	-2.3	Si
1426	11228	-885	-797	SLE QP 2	-3.1	Si
1455	15013	-1227	-732	SLE QP 2	-3.8	Si
1484	18798	-1569	-666	SLE QP 2	-4.5	Si
1513	22583	-1912	-601	SLE QP 2	-5.2	Si
1542	26368	-2254	-536	SLE QP 2	-6	Si
1571	30153	-2597	-471	SLE QP 2	-6.7	Si
1600	33873	-2933	-407	SLE QP 2	-7.8	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

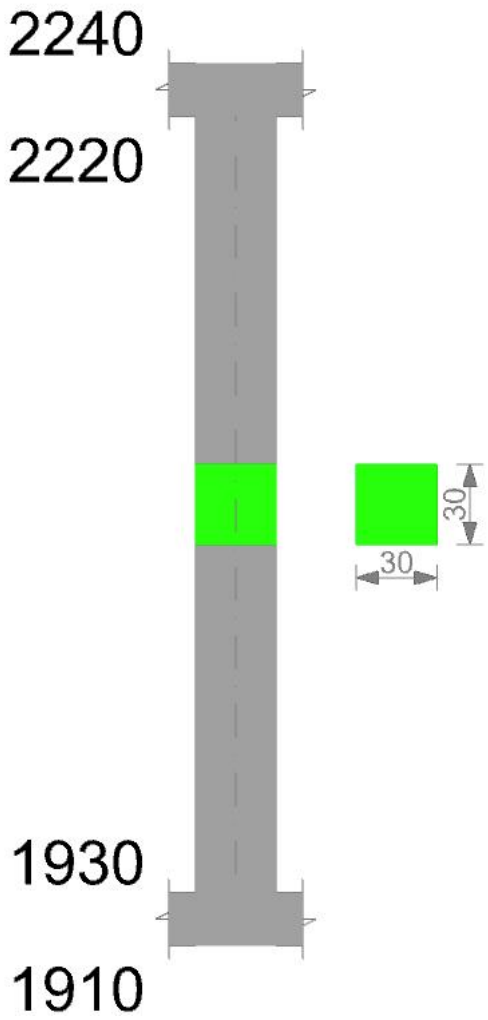
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto elemento di base della pilastrata.

Pilastro H1

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1930	2220	R 30x30 1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-9.67	1.6	2.011	1920	1930	R 30x30 1	B450C
p.1	9.67	-9.67	1.6	2.011	1920	1930	R 30x30 1	B450C
p.1	9.67	9.67	1.6	2.011	1920	1930	R 30x30 1	B450C
p.1	-9.67	9.67	1.6	2.011	1920	1930	R 30x30 1	B450C
p.2	-9.67	-9.67	1.6	2.011	1920	2220	R 30x30 1	B450C
p.2	9.67	-9.67	1.6	2.011	1920	2220	R 30x30 1	B450C
p.2	9.67	9.67	1.6	2.011	1920	2220	R 30x30 1	B450C
p.2	-9.67	9.67	1.6	2.011	1920	2220	R 30x30 1	B450C
p.3	-9.9	0	1.6	2.011	1910	1930	R 30x30 1	B450C
p.3	9.9	0	1.6	2.011	1910	1930	R 30x30 1	B450C
p.4	-9.9	0	1.6	2.011	1930.1	2240	R 30x30 1	B450C
p.4	9.9	0	1.6	2.011	1930.1	2240	R 30x30 1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	13.65	2.2	0	1,2,3	-143061	-128405	-5810	-537518	-482454	SLU 52	3.757	Si
1959	13.64	2.7	0	1,2,3,4	-121110	-111364	-5725	-544009	-500229	SLU 52	4.492	Si
1988	12.06	1.3	0	2,4	-99160	-94322	-5640	-510114	-485226	SLU 52	5.144	Si
2017	12.06	1.3	0	2,4	-77210	-77281	-5555	-512874	-513345	SLU 52	6.643	Si
2046	12.06	1.3	0	2,4	-55418	-59035	-5090	-514181	-547739	SLU 50	9.278	Si
2075	12.06	1.3	0	2,4	-34525	-42757	-5006	-487709	-604008	SLU 50	14.126	Si
2104	12.06	1.3	0	2,4	-11359	-26156	-5301	-269351	-620244	SLU 52	23.713	Si
2133	12.06	1.3	0	2,4	14257	-10678	-5339	401643	-300814	SLU 48	28.171	Si
2162	12.06	1.3	0	2,4	36382	10509	-5254	710950	205347	SLU 48	19.541	Si
2191	12.06	1.3	0	2,4	58507	27207	-5169	703597	327186	SLU 48	12.026	Si
2220	13.56	1.8	0	2,4	80251	43758	-5086	668754	364650	SLU 48	8.333	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1930	13.65	2.2	0	1,2,3	-309257	52255	-3869	-2.02	1.92	-489098	82642	SLV 1	1.582				Si
1959	13.64	2.7	0	1,2,3,4	-262233	42596	-3804	-2.02	1.92	-499916	81204	SLV 1	1.906				Si
1988	12.06	1.3	0	2,4	-215212	32954	-3738	-2.02	1.92	-454537	69601	SLV 1	2.112				Si
2017	12.06	1.3	0	2,4	-168196	23344	-3673	-2.02	1.92	-478776	66450	SLV 1	2.847				Si
2046	12.06	1.3	0	2,4	-121191	13807	-3608	-2.02	1.92	-526816	60017	SLV 1	4.347				Si
2075	12.06	1.3	0	2,4	-74217	4502	-3543	-2.02	1.92	-658674	39954	SLV 1	8.875				Si
2104	12.06	1.3	0	2,4	-21949	-19847	-3805	-2.02	1.92	-430671	-389440	SLV 3	19.622				Si
2133	12.06	1.3	0	2,4	20704	-17884	-3412	-2.02	1.92	440455	-380464	SLV 1	21.274				Si
2162	12.06	1.3	0	2,4	67191	-26281	-3347	-2.02	1.92	539217	-210908	SLV 1	8.025				Si
2191	12.06	1.3	0	2,4	114147	-35679	-3282	-2.02	1.92	470293	-147000	SLV 1	4.12				Si
2220	13.56	1.8	0	2,4	160337	-45076	-3218	-2.02	1.92	456241	-128265	SLV 1	2.846				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	13.65	2.2	0	1,2,3	-180511	-20841	-3681	-542261	-62606	SLD 1	3.004	Si
1959	13.64	2.7	0	1,2,3,4	-153012	-19147	-3616	-557104	-69712	SLD 1	3.641	Si
1988	12.06	1.3	0	2,4	-125514	-17445	-3551	-511928	-71152	SLD 1	4.079	Si
2017	12.06	1.3	0	2,4	-98018	-15728	-3486	-546594	-87705	SLD 1	5.576	Si
2046	12.06	1.3	0	2,4	-61224	-29405	-3565	-515671	-247673	SLD 3	8.423	Si
2075	12.06	1.3	0	2,4	-37168	-21696	-3500	-503965	-294177	SLD 3	13.559	Si
2104	12.06	1.3	0	2,4	-13304	-17282	-3434	-346370	-449939	SLD 3	26.036	Si
2133	12.06	1.3	0	2,4	12423	-10266	-3225	400705	-331130	SLD 1	32.255	Si
2162	12.06	1.3	0	2,4	39630	-7923	-3159	623045	-124569	SLD 1	15.721	Si
2191	12.06	1.3	0	2,4	67091	-6096	-3094	636639	-57849	SLD 1	9.489	Si
2220	13.56	1.8	0	2,4	94104	-4383	-3030	576818	-26868	SLD 1	6.13	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	588	-5810	SLU 52	4507	21158	21539	2.4	36	763	-5933	SLU 48	4492	20959	21352	2.4	27.47	Si
1959	2X/2Y Ø8/10	588	-5725	SLU 52	4496	21158	21528	2.4	36	763	-5848	SLU 48	4481	20959	21341	2.4	27.47	Si
1988	2X/2Y Ø8/10	588	-5640	SLU 52	4485	21158	21516	2.4	36	763	-5763	SLU 48	4471	20959	21330	2.4	27.47	Si
2017	2X/2Y Ø8/14.4	588	-5555	SLU 52	4475	15258	20887	2.5	25.96	763	-5678	SLU 48	4461	15114	20706	2.5	19.81	Si
2046	2X/2Y Ø8/14.4	588	-5471	SLU 52	4464	15258	20876	2.5	25.96	763	-5594	SLU 48	4450	15114	20696	2.5	19.81	Si
2075	2X/2Y Ø8/14.4	588	-5386	SLU 52	4454	15258	20865	2.5	25.96	763	-5509	SLU 48	4440	15114	20685	2.5	19.81	Si
2104	2X/2Y Ø8/14.4	588	-5301	SLU 52	4443	15258	20854	2.5	25.96	763	-5424	SLU 48	4429	15114	20674	2.5	19.81	Si
2133	2X/2Y Ø8/14.4	588	-5216	SLU 52	4433	15258	20844	2.5	25.96	763	-5339	SLU 48	4419	15114	20663	2.5	19.81	Si
2162	2X/2Y Ø8/10	588	-5131	SLU 52	4422	21158	21449	2.4	36	763	-5254	SLU 48	4408	20959	21263	2.4	27.47	Si
2191	2X/2Y Ø8/10	588	-5046	SLU 52	4412	21158	21438	2.4	36	763	-5169	SLU 48	4398	20959	21252	2.4	27.47	Si
2220	2X/2Y Ø8/10	588	-4963	SLU 52	4401	21158	21427	2.4	36	763	-5086	SLU 48	4387	20959	21241	2.4	27.47	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	1248	-3929	SLV 11	4272	21158	21290	2.4	16.96	1622	-3869	SLV 1	4237	20959	21081	2.4	12.92	Si
1959	2X/2Y Ø8/10	1248	-3864	SLV 11	4264	21158	21281	2.4	16.96	1622	-3804	SLV 1	4229	20959	21073	2.4	12.92	Si
1988	2X/2Y Ø8/10	1248	-3799	SLV 11	4256	21158	21272	2.4	16.96	1622	-3738	SLV 1	4221	20959	21064	2.4	12.92	Si
2017	2X/2Y Ø8/14.4	1248	-3733	SLV 11	4248	15258	20653	2.5	12.23	1622	-3673	SLV 1	4213	15114	20451	2.5	9.32	Si
2046	2X/2Y Ø8/14.4	1248	-3668	SLV 11	4240	15258	20644	2.5	12.23	1622	-3608	SLV 1	4205	15114	20442	2.5	9.32	Si
2075	2X/2Y Ø8/14.4	1248	-3603	SLV 11	4232	15258	20636	2.5	12.23	1622	-3543	SLV 1	4197	15114	20434	2.5	9.32	Si
2104	2X/2Y Ø8/14.4	1248	-3538	SLV 11	4224	15258	20627	2.5	12.23	1622	-3477	SLV 1	4189	15114	20426	2.5	9.32	Si
2133	2X/2Y Ø8/14.4	1248	-3472	SLV 11	4216	15258	20619	2.5	12.23	1622	-3412	SLV 1	4181	15114	20417	2.5	9.32	Si
2162	2X/2Y Ø8/10	1248	-3407	SLV 11	4207	21158	21220	2.4	16.96	1622	-3347	SLV 1	4173	20959	21013	2.4	12.92	Si
2191	2X/2Y Ø8/10	1248	-3342	SLV 11	4199	21158	21212	2.4	16.96	1622	-3282	SLV 1	4165	20959	21004	2.4	12.92	Si
2220	2X/2Y Ø8/10	1248	-3278	SLV 11	4191	21158	21203	2.4	16.96	1622	-3218	SLV 1	4157	20959	20996	2.4	12.92	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	751	-3708	SLD 11	4245	22039	20649	2.5	27.51	948	-3681	SLD 1	4214	21832	20452	2.5	21.56	Si
1959	2X/2Y Ø8/10	751	-3642	SLD 11	4237	22039	20641	2.5	27.5	948	-3616	SLD 1	4206	21832	20443	2.5	21.56	Si
1988	2X/2Y Ø8/10	751	-3577	SLD 11	4229	22039	20632	2.5	27.49	948	-3551	SLD 1	4198	21832	20435	2.5	21.55	Si
2017	2X/2Y Ø8/14.4	751	-3512	SLD 11	4220	15258	20624	2.5	20.33	948	-3486	SLD 1	4190	15114	20427	2.5	15.94	Si
2046	2X/2Y Ø8/14.4	751	-3447	SLD 11	4212	15258	20616	2.5	20.33	948	-3420	SLD 1	4182	15114	20418	2.5	15.94	Si
2075	2X/2Y Ø8/14.4	751	-3381	SLD 11	4204	15258	20607	2.5	20.33	948	-3355	SLD 1	4174	15114	20410	2.5	15.94	Si
2104	2X/2Y Ø8/14.4	751	-3316	SLD 11	4196	15258	20599	2.5	20.33	948	-3290	SLD 1	4166	15114	20402	2.5	15.94	Si
2133	2X/2Y Ø8/14.4	751	-3251	SLD 11	4188	15258	20590	2.5	20.33	948	-3225	SLD 1	4158	15114	20393	2.5	15.94	Si
2162	2X/2Y Ø8/10	751	-3186	SLD 11	4180	22039	20582	2.5	27.42	948	-3159	SLD 1	4150	21832	20385	2.5	21.49	Si
2191	2X/2Y Ø8/10	751	-3120	SLD 11	4172	22039	20574	2.5	27.41	948	-3094	SLD 1	4142	21832	20377	2.5	21.49	Si
2220	2X/2Y Ø8/10	751	-3056	SLD 11	4164	22039	20565	2.5	27.4	948	-3030	SLD 1	4134	21832	20368	2.5	21.48	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1930	-100937	-93396	-4196	SLE RA 13	-62.3	-100937	-93396	-4196	SLE RA 13	899.6	Si
1959	-85391	-80968	-4130	SLE RA 13	-52.8	-85391	-80968	-4130	SLE RA 13	725.6	Si
1988	-69845	-68540	-4065	SLE RA 13	-46.2	-68542	-66720	-3812	SLE RA 11	615.7	Si
2017	-54299	-56112	-4000	SLE RA 13	-35.9	-53701	-54801	-3746	SLE RA 11	432.8	Si
2046	-38753	-43685	-3935	SLE RA 13	-18.8	-38753	-43685	-3935	SLE RA 13	-200.7	Si
2075	-23207	-31257	-3869	SLE RA 13	-13.5	-23207	-31257	-3869	SLE RA 13	-149.9	Si
2104	-9176	-19045	-3551	SLE RA 11	-8.4	-7661	-18829	-3804	SLE RA 13	-99.1	Si
2133	10329	-4643	-3821	SLE RA 9	-6.3	10329	-4643	-3821	SLE RA 9	-80	Si
2162	25991	7652	-3755	SLE RA 9	-9.8	25991	7652	-3755	SLE RA 9	-113.1	Si
2191	41654	19946	-3690	SLE RA 9	-14.9	41654	19946	-3690	SLE RA 9	-162	Si
2220	57046	32028	-3626	SLE RA 9	-19.6	57046	32028	-3626	SLE RA 9	-207	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1930	-85274	-76765	-3533	SLE QP 2	-51.9	Si
1959	-72214	-66474	-3467	SLE QP 2	-44.1	Si
1988	-59154	-56184	-3402	SLE QP 2	-38.5	Si
2017	-46094	-45894	-3337	SLE QP 2	-30	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
2046	-33035	-35604	-3272	SLE QP 2	-15.6	Si
2075	-19975	-25313	-3206	SLE QP 2	-11.3	Si
2104	-6915	-15023	-3141	SLE QP 2	-6.9	Si
2133	6145	-4733	-3076	SLE QP 2	-4.9	Si
2162	19205	5558	-3011	SLE QP 2	-7.4	Si
2191	32264	15848	-2945	SLE QP 2	-11.7	Si
2220	45099	25961	-2881	SLE QP 2	-15.6	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

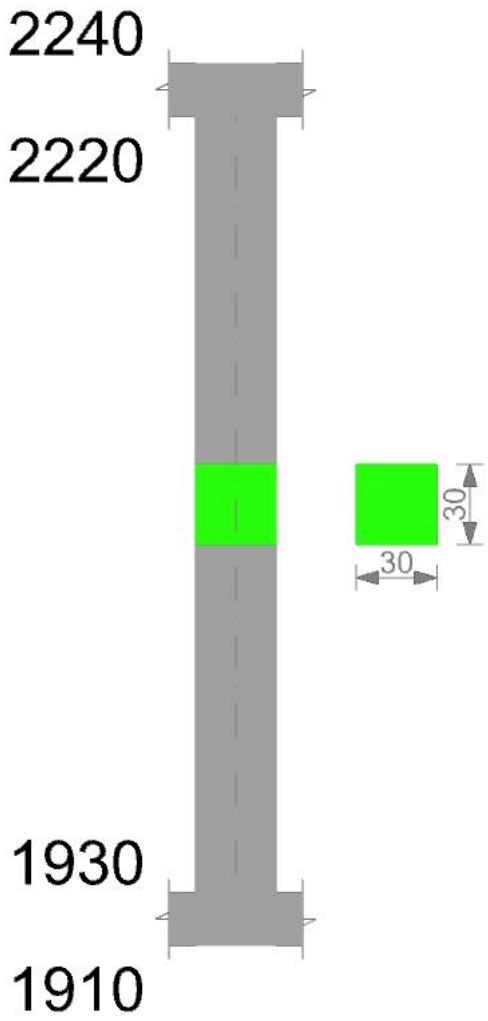
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1920 in quanto elemento di base della pilastrata.
per il nodo Appoggio 2230 in quanto nodo interno a piastra.

Pilastro H2

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1930	2220	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-9.67	1.6	2.011	1920	1930	R 30x30_1	B450C
p.1	9.67	-9.67	1.6	2.011	1920	1930	R 30x30_1	B450C
p.1	9.67	9.67	1.6	2.011	1920	1930	R 30x30_1	B450C
p.1	-9.67	9.67	1.6	2.011	1920	1930	R 30x30_1	B450C
p.2	-9.67	-9.67	1.6	2.011	1920	2220	R 30x30_1	B450C
p.2	9.67	-9.67	1.6	2.011	1920	2220	R 30x30_1	B450C
p.2	9.67	9.67	1.6	2.011	1920	2220	R 30x30_1	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.2	-9.67	9.67	1.6	2.011	1920	2220	R 30x30_1	B450C
p.3	-9.9	0	1.6	2.011	1910	1930	R 30x30_1	B450C
p.3	9.9	0	1.6	2.011	1910	1930	R 30x30_1	B450C
p.4	-9.9	0	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.4	9.9	0	1.6	2.011	1930.1	2240	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	13.65	2.2	0	1,2,3	-143895	97537	-9787	-646698	438355	SLU 52	4.494	Si
1959	13.64	2.7	0	1,2,3,4	-114874	77500	-9702	-664933	448598	SLU 52	5.788	Si
1988	12.06	1.3	0	2,4	-85853	57463	-9617	-633934	424301	SLU 52	7.384	Si
2017	12.06	1.3	0	2,4	-56833	37426	-9532	-599158	394561	SLU 52	10.543	Si
2046	12.06	1.3	0	2,4	-27812	18895	-9448	-433280	294366	SLU 52	15.579	Si
2075	12.06	1.3	0	2,4	18934	-18934	-9467	316346	-316346	SLU 48	16.708	Si
2104	12.06	1.3	0	2,4	33670	-23344	-9382	485251	-336441	SLU 48	14.412	Si
2133	12.06	1.3	0	2,4	62801	-42491	-9297	612353	-414316	SLU 48	9.751	Si
2162	12.06	1.3	0	2,4	91933	-61638	-9213	635321	-425962	SLU 48	6.911	Si
2191	12.06	1.3	0	2,4	121064	-80785	-9128	616984	-411705	SLU 48	5.096	Si
2220	13.56	1.8	0	2,4	149694	-99601	-9044	609273	-405391	SLU 48	4.07	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1930	13.65	2.2	0	1,2,3	-336683	190192	-6204	-2.02	1.92	-424611	239862	SLV 1	1.261				Si
1959	13.64	2.7	0	1,2,3,4	-277701	154259	-6139	-2.02	1.92	-439630	244209	SLV 1	1.583				Si
1988	12.06	1.3	0	2,4	-218721	118327	-6074	-2.02	1.92	-413890	223913	SLV 1	1.892				Si
2017	12.06	1.3	0	2,4	-159743	82394	-6009	-2.02	1.92	-458472	236476	SLV 1	2.87				Si
2046	12.06	1.3	0	2,4	-100772	46462	-5943	-2.02	1.92	-522158	240746	SLV 1	5.182				Si
2075	12.06	1.3	0	2,4	42076	-14686	-4873	-2.02	1.92	577878	-201697	SLV 15	13.734				Si
2104	12.06	1.3	0	2,4	21888	-29193	-4952	-2.02	1.92	351289	-468536	SLV 5	16.049				Si
2133	12.06	1.3	0	2,4	65998	-72949	-4887	-2.02	1.92	375823	-415401	SLV 5	5.694				Si
2162	12.06	1.3	0	2,4	114666	-116706	-4821	-2.02	1.92	359221	-365609	SLV 5	3.133				Si
2191	12.06	1.3	0	2,4	194218	-133204	-5617	-2.02	1.92	387687	-265895	SLV 1	1.996				Si
2220	13.56	1.8	0	2,4	252179	-168518	-5553	-2.02	1.92	385810	-257816	SLV 1	1.53				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	13.65	2.2	0	1,2,3	-193171	111858	-5918	-466415	270085	SLD 1	2.415	Si
1959	13.64	2.7	0	1,2,3,4	-158094	90163	-5852	-494362	281942	SLD 1	3.127	Si
1988	12.06	1.3	0	2,4	-123018	68469	-5787	-483533	269121	SLD 1	3.931	Si
2017	12.06	1.3	0	2,4	-87944	46774	-5722	-504063	268091	SLD 1	5.732	Si
2046	12.06	1.3	0	2,4	-52872	25079	-5657	-539780	256036	SLD 1	10.209	Si
2075	12.06	1.3	0	2,4	14040	-9475	-5549	331928	-223998	SLD 11	23.641	Si
2104	12.06	1.3	0	2,4	19224	-20136	-5137	370713	-388296	SLD 5	19.284	Si
2133	12.06	1.3	0	2,4	48212	-45590	-5072	419208	-396410	SLD 5	8.695	Si
2162	12.06	1.3	0	2,4	79162	-71045	-5006	411126	-368972	SLD 5	5.193	Si
2191	12.06	1.3	0	2,4	122545	-83397	-5330	439230	-298913	SLD 1	3.584	Si
2220	13.56	1.8	0	2,4	157015	-104718	-5266	422715	-281919	SLD 1	2.692	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	-700	-9764	SLU 51	4999	21598	21743	2.45	30.84	1005	-9891	SLU 48	4980	21395	21555	2.45	21.3	Si
1959	2X/2Y Ø8/10	-700	-9680	SLU 51	4988	21598	21732	2.45	30.84	1005	-9806	SLU 48	4970	21395	21544	2.45	21.3	Si
1988	2X/2Y Ø8/10	-700	-9595	SLU 51	4978	21598	21721	2.45	30.84	1005	-9722	SLU 48	4959	21395	21533	2.45	21.3	Si
2017	2X/2Y Ø8/14.4	-700	-9510	SLU 51	4967	15258	21397	2.5	21.79	1005	-9637	SLU 48	4949	15114	21211	2.5	15.05	Si
2046	2X/2Y Ø8/14.4	-700	-9425	SLU 51	4957	15258	21386	2.5	21.79	1005	-9552	SLU 48	4938	15114	21201	2.5	15.05	Si
2075	2X/2Y Ø8/14.4	-700	-9340	SLU 51	4946	15258	21375	2.5	21.79	1005	-9467	SLU 48	4928	15114	21190	2.5	15.05	Si
2104	2X/2Y Ø8/14.4	-700	-9256	SLU 51	4936	15258	21364	2.5	21.79	1005	-9382	SLU 48	4917	15114	21179	2.5	15.05	Si
2133	2X/2Y Ø8/14.4	-700	-9171	SLU 51	4925	15258	21353	2.5	21.79	1005	-9297	SLU 48	4907	15114	21168	2.5	15.05	Si
2162	2X/2Y Ø8/10	-700	-9086	SLU 51	4914	21598	21654	2.45	30.84	1005	-9213	SLU 48	4896	21395	21467	2.45	21.3	Si
2191	2X/2Y Ø8/10	-700	-9001	SLU 51	4904	21598	21643	2.45	30.84	1005	-9128	SLU 48	4886	21395	21456	2.45	21.3	Si
2220	2X/2Y Ø8/10	-700	-8918	SLU 51	4893	21598	21632	2.45	30.84	1005	-9044	SLU 48	4876	21395	21445	2.45	21.3	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	-1509	-5343	SLV 5	4448	21158	21477	2.4	14.02	2034	-6204	SLV 1	4525	20959	21388	2.4	10.3	Si
1959	2X/2Y Ø8/10	-1509	-5278	SLV 5	4440	21158	21468	2.4	14.02	2034	-6139	SLV 1	4517	20959	21379	2.4	10.3	Si
1988	2X/2Y Ø8/10	-1509	-5213	SLV 5	4432	21158	21460	2.4	14.02	2034	-6074	SLV 1	4509	20959	21371	2.4	10.3	Si
2017	2X/2Y Ø8/14.4	-1509	-5148	SLV 5	4424	15258	20835	2.5	10.11	2034	-6009	SLV 1	4501	15114	20748	2.5	7.43	Si
2046	2X/2Y Ø8/14.4	-1509	-5082	SLV 5	4416	15258	20826	2.5	10.11	2034	-5943	SLV 1	4493	15114	20740	2.5	7.43	Si
2075	2X/2Y Ø8/14.4	-1509	-5017	SLV 5	4408	15258	20818	2.5	10.11	2034	-5878	SLV 1	4485	15114	20732	2.5	7.43	Si
2104	2X/2Y Ø8/14.4	-1509	-4952	SLV 5	4400	15258	20809	2.5	10.11	2034	-5813	SLV 1	4477	15114	20723	2.5	7.43	Si
2133	2X/2Y Ø8/14.4	-1509	-4887	SLV 5	4392	15258	20801	2.5	10.11	2034	-5748	SLV 1	4469	15114	20715	2.5	7.43	Si
2162	2X/2Y Ø8/10	-1509	-4821	SLV 5	4383	21158	21408	2.4	14.02	2034	-5682	SLV 1	4461	20959	21319	2.4	10.3	Si
2191	2X/2Y Ø8/10	-1509	-4756	SLV 5	4375	21158	21399	2.4	14.02	2034	-5617	SLV 1	4453	20959	21311	2.4	10.3	Si
2220	2X/2Y Ø8/10	-1509	-4692	SLV 5	4367	21158	21391	2.4	14.02	2034	-5553	SLV 1	4445	20959	21302	2.4	10.3	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	-878	-5528	SLD 5	4472	22039	20884	2.5	23.79	1210	-5918	SLD 1	4490	21832	20737	2.5	17.14	Si
1959	2X/2Y Ø8/10	-878	-5463	SLD 5	4463	22039	20875	2.5	23.78	1210	-5852	SLD 1	4482	21832	20729	2.5	17.14	Si
1988	2X/2Y Ø8/10	-878	-5398	SLD 5	4455	22039	20867	2.5	23.77	1210	-5787	SLD 1	4474	21832	20720	2.5	17.13	Si
2017	2X/2Y Ø8/14.4	-878	-5333	SLD 5	4447	15258	20859	2.5	17.38	1210	-5722	SLD 1	4466	15114	20712	2.5	12.5	Si
2046	2X/2Y Ø8/14.4	-878	-5267	SLD 5	4439	15258	20850	2.5	17.38	1210	-5657	SLD 1	4458	15114	20704	2.5	12.5	Si
2075	2X/2Y Ø8/14.4	-878	-5202	SLD 5	4431	15258	20842	2.5	17.38	1210	-5591	SLD 1	4450	15114	20695	2.5	12.5	Si
2104	2X/2Y Ø8/14.4	-878	-5137	SLD 5	4423	15258	20833	2.5	17.38	1210	-5526	SLD 1	4442	15114	20687	2.5	12.5	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
2133	2X/2Y Ø8/14.4	-878	-5072	SLD 5	4415	15258	20825	2.5	17.38	1210	-5461	SLD 1	4434	15114	20679	2.5	12.5	Si
2162	2X/2Y Ø8/10	-878	-5006	SLD 5	4407	22039	20816	2.5	23.72	1210	-5396	SLD 1	4426	21832	20670	2.5	17.09	Si
2191	2X/2Y Ø8/10	-878	-4941	SLD 5	4398	22039	20808	2.5	23.71	1210	-5330	SLD 1	4418	21832	20662	2.5	17.08	Si
2220	2X/2Y Ø8/10	-878	-4877	SLD 5	4390	22039	20800	2.5	23.7	1210	-5266	SLD 1	4410	21832	20654	2.5	17.08	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1930	-101577	67898	-6991	SLE RA 13	-52.3	-101577	67898	-6991	SLE RA 13	571.5	Si
1959	-81038	53908	-6926	SLE RA 13	-40.6	-81038	53908	-6926	SLE RA 13	-398.1	Si
1988	-60499	39918	-6860	SLE RA 13	-24.9	-60499	39918	-6860	SLE RA 13	-274.9	Si
2017	-39960	25929	-6795	SLE RA 13	-18.5	-39960	25929	-6795	SLE RA 13	-212.2	Si
2046	-19421	11939	-6730	SLE RA 13	-12	-19421	11939	-6730	SLE RA 13	-149.6	Si
2075	3736	-2990	-6719	SLE RA 8	-7.5	3736	-2990	-6719	SLE RA 8	-105.2	Si
2104	23950	-16480	-6669	SLE RA 9	-13.6	23950	-16480	-6669	SLE RA 9	-164.8	Si
2133	44563	-29877	-6604	SLE RA 9	-19.9	44563	-29877	-6604	SLE RA 9	-224.8	Si
2162	65176	-43273	-6538	SLE RA 9	-33.5	65176	-43273	-6538	SLE RA 9	-337.2	Si
2191	85788	-56669	-6473	SLE RA 9	-46	85788	-56669	-6473	SLE RA 9	488.3	Si
2220	106046	-69835	-6409	SLE RA 9	-57.6	106046	-69835	-6409	SLE RA 9	710.5	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1930	-84239	52260	-5702	SLE QP 2	-42.2	Si
1959	-67367	41393	-5637	SLE QP 2	-32.8	Si
1988	-50494	30525	-5571	SLE QP 2	-20.2	Si
2017	-33622	19658	-5506	SLE QP 2	-15	Si
2046	-16750	8791	-5441	SLE QP 2	-9.8	Si
2075	122	-2076	-5376	SLE QP 2	-5.4	Si
2104	16995	-12944	-5310	SLE QP 2	-10.4	Si
2133	33867	-23811	-5245	SLE QP 2	-15.5	Si
2162	50739	-34678	-5180	SLE QP 2	-20.6	Si
2191	67611	-45546	-5115	SLE QP 2	-36.5	Si
2220	84193	-56226	-5050	SLE QP 2	-46	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

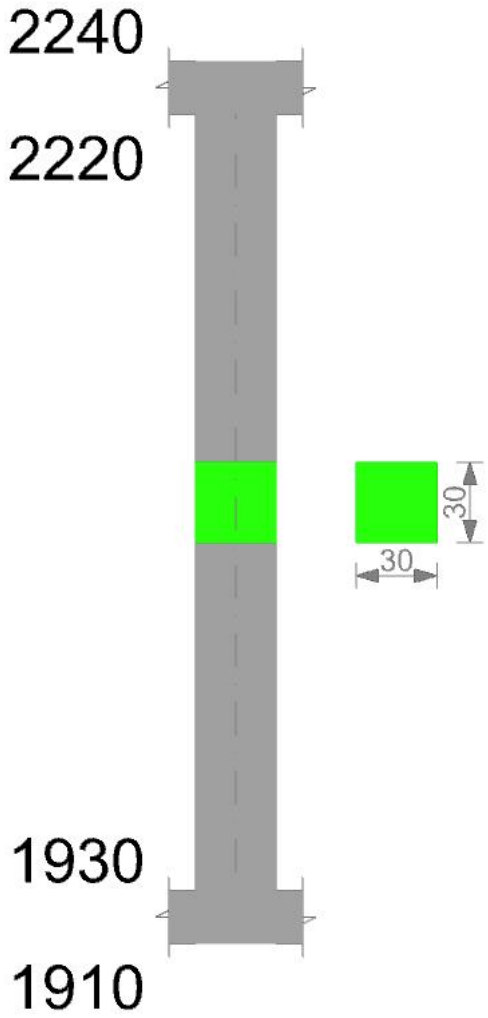
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata per il nodo Appoggio 1920 in quanto elemento di base della pilastrata.
per il nodo Appoggio 2230 in quanto nodo interno a piastra.

Pilastro H3

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1930	2220	R 30x30 1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-9.67	1.6	2.011	1920	1930	R 30x30 1	B450C
p.1	9.67	-9.67	1.6	2.011	1920	1930	R 30x30 1	B450C
p.1	9.67	9.67	1.6	2.011	1920	1930	R 30x30 1	B450C
p.1	-9.67	9.67	1.6	2.011	1920	1930	R 30x30 1	B450C
p.2	-9.67	-9.67	1.6	2.011	1920	2220	R 30x30 1	B450C
p.2	9.67	-9.67	1.6	2.011	1920	2220	R 30x30 1	B450C
p.2	9.67	9.67	1.6	2.011	1920	2220	R 30x30 1	B450C
p.2	-9.67	9.67	1.6	2.011	1920	2220	R 30x30 1	B450C
p.3	-9.9	0	1.6	2.011	1910	1930	R 30x30 1	B450C
p.3	9.9	0	1.6	2.011	1910	1930	R 30x30 1	B450C
p.4	-9.9	0	1.6	2.011	1930.1	2240	R 30x30 1	B450C
p.4	9.9	0	1.6	2.011	1930.1	2240	R 30x30 1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	13.65	2.2	0	1,2,3	-156340	103086	-4110	-582365	383996	SLU 52	3.725	Si
1959	13.64	2.7	0	1,2,3,4	-131737	89273	-4025	-585185	396556	SLU 52	4.442	Si
1988	12.06	1.3	0	2,4	-107133	75459	-3940	-543496	382807	SLU 52	5.073	Si
2017	12.06	1.3	0	2,4	-82530	61645	-3855	-550829	411433	SLU 52	6.674	Si
2046	12.06	1.3	0	2,4	-57927	47831	-3770	-553635	457139	SLU 52	9.557	Si
2075	12.06	1.3	0	2,4	-34576	32544	-3483	-554951	522341	SLU 50	16.05	Si
2104	12.06	1.3	0	2,4	-10915	19388	-3399	-355201	630908	SLU 50	32.542	Si
2133	12.06	1.3	0	2,4	18743	7036	-3518	633707	237872	SLU 48	33.81	Si
2162	12.06	1.3	0	2,4	42881	-7313	-3433	811523	-138395	SLU 48	18.925	Si
2191	12.06	1.3	0	2,4	67019	-20832	-3348	710247	-220773	SLU 48	10.598	Si
2220	13.56	1.8	0	2,4	90741	-34118	-3265	663139	-249340	SLU 48	7.308	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1930	13.65	2.2	0	1,2,3	-313658	188893	-3368	-2.02	1.92	-392073	236117	SLV 1	1.25				Si
1959	13.64	2.7	0	1,2,3,4	-267233	161680	-3303	-2.02	1.92	-396469	239869	SLV 1	1.484				Si
1988	12.06	1.3	0	2,4	-220815	134478	-3237	-2.02	1.92	-357921	217976	SLV 1	1.621				Si
2017	12.06	1.3	0	2,4	-174409	107297	-3172	-2.02	1.92	-367367	226006	SLV 1	2.106				Si
2046	12.06	1.3	0	2,4	-128027	80160	-3107	-2.02	1.92	-384523	240757	SLV 1	3.003				Si
2075	12.06	1.3	0	2,4	-81711	53146	-3042	-2.02	1.92	-423891	275702	SLV 1	5.188				Si
2104	12.06	1.3	0	2,4	-35744	26832	-2976	-2.02	1.92	-454801	341411	SLV 1	12.724				Si
2133	12.06	1.3	0	2,4	18090	16148	-1649	-2.02	1.92	425262	379615	SLV 7	23.509				Si
2162	12.06	1.3	0	2,4	49844	-30040	-2846	-2.02	1.92	479000	-288677	SLV 1	9.61				Si
2191	12.06	1.3	0	2,4	98977	-72866	-2756	-2.02	1.92	374433	-275654	SLV 5	3.783				Si
2220	13.56	1.8	0	2,4	139772	-105087	-2692	-2.02	1.92	363515	-273307	SLV 5	2.601				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	13.65	2.2	0	1,2,3	-188596	114881	-2872	-404956	246673	SLD 1	2.147	Si
1959	13.64	2.7	0	1,2,3,4	-160159	98639	-2807	-411052	253160	SLD 1	2.567	Si
1988	12.06	1.3	0	2,4	-131725	82404	-2741	-373667	233756	SLD 1	2.837	Si
2017	12.06	1.3	0	2,4	-103296	66178	-2676	-387072	247984	SLD 1	3.747	Si
2046	12.06	1.3	0	2,4	-74877	49975	-2611	-411810	274851	SLD 1	5.5	Si
2075	12.06	1.3	0	2,4	-46488	33833	-2546	-444926	323807	SLD 1	9.571	Si
2104	12.06	1.3	0	2,4	-18261	18059	-2480	-416923	412313	SLD 1	22.831	Si
2133	12.06	1.3	0	2,4	13310	9671	-1893	473943	344383	SLD 7	35.609	Si
2162	12.06	1.3	0	2,4	35084	-15626	-2350	531768	-236842	SLD 1	15.157	Si
2191	12.06	1.3	0	2,4	66072	-39319	-2280	426781	-253974	SLD 5	6.459	Si
2220	13.56	1.8	0	2,4	92352	-57941	-2216	399627	-250724	SLD 5	4.327	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	-482	-4118	SLU 51	4296	21158	21315	2.4	43.92	848	-4110	SLU 52	4267	20959	21113	2.4	24.7	Si
1959	2X/2Y Ø8/10	-482	-4033	SLU 51	4285	21158	21303	2.4	43.92	848	-4025	SLU 52	4257	20959	21102	2.4	24.7	Si
1988	2X/2Y Ø8/10	-482	-3948	SLU 51	4275	21158	21292	2.4	43.92	848	-3940	SLU 52	4246	20959	21091	2.4	24.7	Si
2017	2X/2Y Ø8/14.4	-482	-3864	SLU 51	4264	15258	20669	2.5	31.67	848	-3855	SLU 52	4236	15114	20474	2.5	17.82	Si
2046	2X/2Y Ø8/14.4	-482	-3779	SLU 51	4254	15258	20658	2.5	31.67	848	-3770	SLU 52	4225	15114	20463	2.5	17.82	Si
2075	2X/2Y Ø8/14.4	-482	-3694	SLU 51	4243	15258	20647	2.5	31.67	848	-3685	SLU 52	4215	15114	20452	2.5	17.82	Si
2104	2X/2Y Ø8/14.4	-482	-3609	SLU 51	4233	15258	20637	2.5	31.67	848	-3601	SLU 52	4204	15114	20441	2.5	17.82	Si
2133	2X/2Y Ø8/14.4	-482	-3524	SLU 51	4222	15258	20626	2.5	31.67	848	-3516	SLU 52	4194	15114	20430	2.5	17.82	Si
2162	2X/2Y Ø8/10	-482	-3439	SLU 51	4211	21158	21225	2.4	43.92	848	-3431	SLU 52	4183	20959	21024	2.4	24.7	Si
2191	2X/2Y Ø8/10	-482	-3355	SLU 51	4201	21158	21213	2.4	43.92	848	-3346	SLU 52	4173	20959	21013	2.4	24.7	Si
2220	2X/2Y Ø8/10	-482	-3271	SLU 51	4190	21158	21202	2.4	43.92	848	-3263	SLU 52	4163	20959	21002	2.4	24.7	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	-1133	-3344	SLV 5	4200	21158	21212	2.4	18.67	1601	-3368	SLV 1	4176	20959	21015	2.4	13.09	Si
1959	2X/2Y Ø8/10	-1133	-3278	SLV 5	4191	21158	21203	2.4	18.67	1601	-3303	SLV 1	4168	20959	21007	2.4	13.09	Si
1988	2X/2Y Ø8/10	-1133	-3213	SLV 5	4183	21158	21195	2.4	18.67	1601	-3237	SLV 1	4159	20959	20998	2.4	13.09	Si
2017	2X/2Y Ø8/14.4	-1133	-3148	SLV 5	4175	15258	20577	2.5	13.46	1601	-3172	SLV 1	4151	15114	20387	2.5	9.44	Si
2046	2X/2Y Ø8/14.4	-1133	-3083	SLV 5	4167	15258	20569	2.5	13.46	1601	-3107	SLV 1	4143	15114	20378	2.5	9.44	Si
2075	2X/2Y Ø8/14.4	-1133	-3017	SLV 5	4159	15258	20560	2.5	13.46	1601	-3042	SLV 1	4135	15114	20370	2.5	9.44	Si
2104	2X/2Y Ø8/14.4	-1133	-2952	SLV 5	4151	15258	20552	2.5	13.46	1601	-2976	SLV 1	4127	15114	20362	2.5	9.44	Si
2133	2X/2Y Ø8/14.4	-1133	-2887	SLV 5	4143	15258	20544	2.5	13.46	1601	-2911	SLV 1	4119	15114	20353	2.5	9.44	Si
2162	2X/2Y Ø8/10	-1133	-2822	SLV 5	4135	20717	21456	2.35	18.28	1601	-2846	SLV 1	4111	20522	21257	2.35	12.81	Si
2191	2X/2Y Ø8/10	-1133	-2756	SLV 5	4126	20717	21447	2.35	18.28	1601	-2781	SLV 1	4103	20522	21249	2.35	12.81	Si
2220	2X/2Y Ø8/10	-1133	-2692	SLV 5	4118	20717	21439	2.35	18.28	1601	-2717	SLV 1	4095	20522	21240	2.35	12.81	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	-655	-2867	SLD 5	4140	22039	20541	2.5	31.37	981	-2872	SLD 1	4114	21832	20348	2.5	20.75	Si
1959	2X/2Y Ø8/10	-655	-2802	SLD 5	4132	22039	20533	2.5	31.36	981	-2807	SLD 1	4106	21832	20340	2.5	20.74	Si
1988	2X/2Y Ø8/10	-655	-2737	SLD 5	4124	22039	20524	2.5	31.35	981	-2741	SLD 1	4098	21832	20332	2.5	20.73	Si
2017	2X/2Y Ø8/14.4	-655	-2671	SLD 5	4116	15258	20516	2.5	23.31	981	-2676	SLD 1	4090	15114	20323	2.5	15.41	Si
2046	2X/2Y Ø8/14.4	-655	-2606	SLD 5	4108	15258	20507	2.5	23.31	981	-2611	SLD 1	4082	15114	20315	2.5	15.41	Si
2075	2X/2Y Ø8/14.4	-655	-2541	SLD 5	4100	15258	20499	2.5	23.31	981	-2546	SLD 1	4074	15114	20307	2.5	15.41	Si
2104	2X/2Y Ø8/14.4	-655	-2476	SLD 5	4091	15258	20491	2.5	23.31	981	-2480	SLD 1	4066	15114	20298	2.5	15.41	Si
2133	2X/2Y Ø8/14.4	-655	-2410	SLD 5	4083	15258	20482	2.5	23.31	981	-2415	SLD 1	4058	15114	20290	2.5	15.41	Si
2162	2X/2Y Ø8/10	-655	-2345	SLD 5	4075	22039	20474	2.5	31.27	981	-2350	SLD 1	4050	21832	20282	2.5	20.68	Si
2191	2X/2Y Ø8/10	-655	-2280	SLD 5	4067	22039	20465	2.5	31.26	981	-2285	SLD 1	4042	21832	20273	2.5	20.67	Si
2220	2X/2Y Ø8/10	-655	-2216	SLD 5	4059	22039	20457	2.5	31.25	981	-2221	SLD 1	4034	21832	20265	2.5	20.66	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1930	-109866	73112	-2969	SLE RA 13	-59.8	-109866	73112	-2969	SLE RA 13	968.2	Si
1959	-92525	63329	-2904	SLE RA 13	-50.7	-92525	63329	-2904	SLE RA 13	790.7	Si
1988	-75185	53545	-2838	SLE RA 13	-44.4	-75185	53545	-2838	SLE RA 13	688.4	Si
2017	-57845	43762	-2773	SLE RA 13	-34.5	-57845	43762	-2773	SLE RA 13	489.4	Si
2046	-40505	33979	-2708	SLE RA 13	-16.2	-40505	33979	-2708	SLE RA 13	-170.3	Si
2075	-23165	24195	-2643	SLE RA 13	-11.1	-23165	24195	-2643	SLE RA 13	-120.7	Si
2104	-7287	13868	-2443	SLE RA 11	-6.1	-5824	14412	-2577	SLE RA 13	-71.2	Si
2133	13423	4507	-2514	SLE RA 9	-5.7	13423	4507	-2514	SLE RA 9	-67.3	Si
2162	30453	-5080	-2448	SLE RA 9	-9	30453	-5080	-2448	SLE RA 9	-98.7	Si
2191	47483	-14667	-2383	SLE RA 9	-13.8	47483	-14667	-2383	SLE RA 9	-145.6	Si
2220	64219	-24089	-2319	SLE RA 9	-30.3	64219	-24089	-2319	SLE RA 9	479	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1930	-90927	59736	-2529	SLE QP 2	-49.2	Si
1959	-76662	51768	-2464	SLE QP 2	-41.7	Si
1988	-62397	43800	-2398	SLE QP 2	-36.6	Si
2017	-48132	35832	-2333	SLE QP 2	-17.7	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
2046	-33867	27865	-2268	SLE QP 2	-13.5	Si
2075	-19602	19897	-2203	SLE QP 2	-9.3	Si
2104	-5337	11929	-2137	SLE QP 2	-5.1	Si
2133	8929	3961	-2072	SLE QP 2	-4.3	Si
2162	23194	-4007	-2007	SLE QP 2	-7	Si
2191	37459	-11975	-1942	SLE QP 2	-11.1	Si
2220	51478	-19805	-1877	SLE QP 2	-15	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

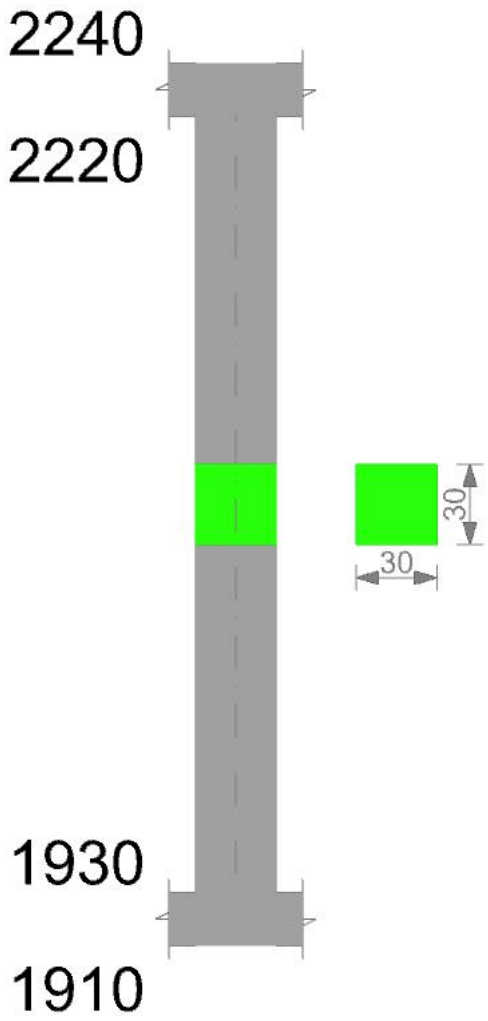
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata per il nodo Appoggio 2230 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto elemento di base della pilastrata.

Pilastro H4

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1930	2220	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-9.67	1.6	2.011	1920	1930	R 30x30_1	B450C
p.1	9.67	-9.67	1.6	2.011	1920	1930	R 30x30_1	B450C
p.1	9.67	9.67	1.6	2.011	1920	1930	R 30x30_1	B450C
p.1	-9.67	9.67	1.6	2.011	1920	1930	R 30x30_1	B450C
p.2	-9.67	-9.67	1.6	2.011	1920	2220	R 30x30_1	B450C
p.2	9.67	-9.67	1.6	2.011	1920	2220	R 30x30_1	B450C
p.2	9.67	9.67	1.6	2.011	1920	2220	R 30x30_1	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.2	-9.67	9.67	1.6	2.011	1920	2220	R 30x30_1	B450C
p.3	-9.9	0	1.6	2.011	1910	1930	R 30x30_1	B450C
p.3	9.9	0	1.6	2.011	1910	1930	R 30x30_1	B450C
p.4	-9.9	0	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.4	9.9	0	1.6	2.011	1930.1	2240	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	13.65	2.2	0	1,2,3	221703	-159301	-7580	579768	-416583	SLU 51	2.615	Si
1959	13.64	2.7	0	1,2,3,4	175416	-133905	-7496	582410	-444586	SLU 51	3.32	Si
1988	12.06	1.3	0	2,4	129130	-108510	-7411	540566	-454245	SLU 51	4.186	Si
2017	12.06	1.3	0	2,4	82844	-83114	-7326	527936	-529661	SLU 51	6.373	Si
2046	12.06	1.3	0	2,4	36557	-57719	-7241	417716	-659517	SLU 51	11.426	Si
2075	12.06	1.3	0	2,4	-14313	-32323	-7156	-262278	-592324	SLU 51	18.325	Si
2104	12.06	1.3	0	2,4	-56016	-14143	-7071	-743411	-187699	SLU 51	13.272	Si
2133	12.06	1.3	0	2,4	-102302	18468	-6987	-795653	143632	SLU 51	7.777	Si
2162	12.06	1.3	0	2,4	-148588	43863	-6902	-704217	207884	SLU 51	4.739	Si
2191	12.06	1.3	0	2,4	-194875	69259	-6817	-649134	230702	SLU 51	3.331	Si
2220	13.56	1.8	0	2,4	-240363	94216	-6734	-637275	249796	SLU 51	2.651	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1930	13.65	2.2	0	1,2,3	384059	-194406	-5237	-2.02	1.92	420064	-212631	SLV 15	1.094				Si
1959	13.64	2.7	0	1,2,3,4	313422	-160187	-5172	-2.02	1.92	429092	-219304	SLV 15	1.369				Si
1988	12.06	1.3	0	2,4	242791	-126014	-5106	-2.02	1.92	394372	-204687	SLV 15	1.624				Si
2017	12.06	1.3	0	2,4	172171	-91950	-5041	-2.02	1.92	420951	-224814	SLV 15	2.445				Si
2046	12.06	1.3	0	2,4	85350	-58280	-4976	-2.02	1.92	458357	-312983	SLV 15	5.37				Si
2075	12.06	1.3	0	2,4	-42266	-24019	-3799	-2.02	1.92	-506598	-287894	SLV 3	11.986				Si
2104	12.06	1.3	0	2,4	-40623	13561	-4845	-2.02	1.92	-581961	194278	SLV 15	14.326				Si
2133	12.06	1.3	0	2,4	-110743	46783	-4780	-2.02	1.92	-508979	215016	SLV 15	4.596				Si
2162	12.06	1.3	0	2,4	-181279	80773	-4715	-2.02	1.92	-427783	190608	SLV 15	2.36				Si
2191	12.06	1.3	0	2,4	-251886	114920	-4650	-2.02	1.92	-397427	181322	SLV 15	1.578				Si
2220	13.56	1.8	0	2,4	-321293	148538	-4586	-2.02	1.92	-398922	184427	SLV 15	1.242				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	13.65	2.2	0	1,2,3	235453	-132975	-4814	431713	-243816	SLD 15	1.834	Si
1959	13.64	2.7	0	1,2,3,4	190348	-110456	-4749	444337	-257843	SLD 15	2.334	Si
1988	12.06	1.3	0	2,4	145245	-87960	-4684	416060	-251965	SLD 15	2.865	Si
2017	12.06	1.3	0	2,4	100147	-65518	-4619	455331	-297886	SLD 15	4.547	Si
2046	12.06	1.3	0	2,4	48294	-43264	-4553	425901	-381539	SLD 15	8.819	Si
2075	12.06	1.3	0	2,4	-21168	-20696	-4024	-412870	-403653	SLD 3	19.504	Si
2104	12.06	1.3	0	2,4	-35470	3474	-4423	-649731	63635	SLD 15	18.318	Si
2133	12.06	1.3	0	2,4	-80433	25491	-4358	-568038	180022	SLD 15	7.062	Si
2162	12.06	1.3	0	2,4	-125496	47893	-4292	-477951	182400	SLD 15	3.809	Si
2191	12.06	1.3	0	2,4	-170588	70375	-4227	-430162	177461	SLD 15	2.522	Si
2220	13.56	1.8	0	2,4	-214911	92499	-4163	-422475	181836	SLD 15	1.966	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	884	-7568	SLU 52	4725	21158	21772	2.4	23.94	-1596	-7580	SLU 51	4695	20959	21569	2.4	13.13	Si
1959	2X/2Y Ø8/10	884	-7483	SLU 52	4715	21158	21761	2.4	23.94	-1596	-7496	SLU 51	4685	20959	21558	2.4	13.13	Si
1988	2X/2Y Ø8/10	884	-7398	SLU 52	4704	21158	21750	2.4	23.94	-1596	-7411	SLU 51	4674	20959	21547	2.4	13.13	Si
2017	2X/2Y Ø8/14.4	884	-7314	SLU 52	4694	15258	21114	2.5	17.26	-1596	-7326	SLU 51	4664	15114	20917	2.5	9.47	Si
2046	2X/2Y Ø8/14.4	884	-7229	SLU 52	4683	15258	21103	2.5	17.26	-1596	-7241	SLU 51	4653	15114	20906	2.5	9.47	Si
2075	2X/2Y Ø8/14.4	884	-7144	SLU 52	4673	15258	21092	2.5	17.26	-1596	-7156	SLU 51	4643	15114	20895	2.5	9.47	Si
2104	2X/2Y Ø8/14.4	884	-7059	SLU 52	4662	15258	21081	2.5	17.26	-1596	-7071	SLU 51	4632	15114	20884	2.5	9.47	Si
2133	2X/2Y Ø8/14.4	884	-6974	SLU 52	4652	15258	21070	2.5	17.26	-1596	-6987	SLU 51	4622	15114	20873	2.5	9.47	Si
2162	2X/2Y Ø8/10	884	-6890	SLU 52	4641	21158	21682	2.4	23.94	-1596	-6902	SLU 51	4611	20959	21480	2.4	13.13	Si
2191	2X/2Y Ø8/10	884	-6805	SLU 52	4630	21158	21671	2.4	23.94	-1596	-6817	SLU 51	4601	20959	21469	2.4	13.13	Si
2220	2X/2Y Ø8/10	884	-6721	SLU 52	4620	21158	21660	2.4	23.94	-1596	-6734	SLU 51	4591	20959	21458	2.4	13.13	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	1379	-5247	SLV 11	4436	21158	21464	2.4	15.34	-2436	-5237	SLV 15	4406	20959	21261	2.4	8.6	Si
1959	2X/2Y Ø8/10	1379	-5182	SLV 11	4428	21158	21456	2.4	15.34	-2436	-5172	SLV 15	4398	20959	21252	2.4	8.6	Si
1988	2X/2Y Ø8/10	1379	-5116	SLV 11	4420	21158	21447	2.4	15.34	-2436	-5106	SLV 15	4390	20959	21244	2.4	8.6	Si
2017	2X/2Y Ø8/14.4	1379	-5051	SLV 11	4412	15258	20822	2.5	11.07	-2436	-5041	SLV 15	4382	15114	20625	2.5	6.2	Si
2046	2X/2Y Ø8/14.4	1379	-4986	SLV 11	4404	15258	20814	2.5	11.07	-2436	-4976	SLV 15	4374	15114	20617	2.5	6.2	Si
2075	2X/2Y Ø8/14.4	1379	-4921	SLV 11	4396	15258	20805	2.5	11.07	-2436	-4911	SLV 15	4366	15114	20608	2.5	6.2	Si
2104	2X/2Y Ø8/14.4	1379	-4855	SLV 11	4388	15258	20797	2.5	11.07	-2436	-4845	SLV 15	4358	15114	20600	2.5	6.2	Si
2133	2X/2Y Ø8/14.4	1379	-4790	SLV 11	4380	15258	20789	2.5	11.07	-2436	-4780	SLV 15	4350	15114	20592	2.5	6.2	Si
2162	2X/2Y Ø8/10	1379	-4725	SLV 11	4371	21158	21395	2.4	15.34	-2436	-4715	SLV 15	4342	20959	21192	2.4	8.6	Si
2191	2X/2Y Ø8/10	1379	-4660	SLV 11	4363	21158	21386	2.4	15.34	-2436	-4650	SLV 15	4334	20959	21184	2.4	8.6	Si
2220	2X/2Y Ø8/10	1379	-4596	SLV 11	4355	21158	21378	2.4	15.34	-2436	-4586	SLV 15	4326	20959	21175	2.4	8.6	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	862	-4821	SLD 11	4383	22039	20793	2.5	24.11	-1555	-4814	SLD 15	4354	21832	20596	2.5	13.24	Si
1959	2X/2Y Ø8/10	862	-4756	SLD 11	4375	22039	20784	2.5	24.1	-1555	-4749	SLD 15	4346	21832	20588	2.5	13.24	Si
1988	2X/2Y Ø8/10	862	-4691	SLD 11	4367	22039	20776	2.5	24.09	-1555	-4684	SLD 15	4338	21832	20579	2.5	13.23	Si
2017	2X/2Y Ø8/14.4	862	-4625	SLD 11	4359	15258	20767	2.5	17.69	-1555	-4619	SLD 15	4330	15114	20571	2.5	9.72	Si
2046	2X/2Y Ø8/14.4	862	-4560	SLD 11	4351	15258	20759	2.5	17.69	-1555	-4553	SLD 15	4322	15114	20563	2.5	9.72	Si
2075	2X/2Y Ø8/14.4	862	-4495	SLD 11	4343	15258	20751	2.5	17.69	-1555	-4488	SLD 15	4314	15114	20554	2.5	9.72	Si
2104	2X/2Y Ø8/14.4	862	-4430	SLD 11	4335	15258	20742	2.5	17.69	-1555	-4423	SLD 15	4306	15114	20546	2.5	9.72	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
2133	2X/2Y Ø8/14.4	862	-4364	SLD 11	4327	15258	20734	2.5	17.69	-1555	-4358	SLD 15	4298	15114	20538	2.5	9.72	Si
2162	2X/2Y Ø8/10	862	-4299	SLD 11	4318	22039	20725	2.5	24.03	-1555	-4292	SLD 15	4290	21832	20530	2.5	13.2	Si
2191	2X/2Y Ø8/10	862	-4234	SLD 11	4310	22039	20717	2.5	24.02	-1555	-4227	SLD 15	4282	21832	20521	2.5	13.19	Si
2220	2X/2Y Ø8/10	862	-4170	SLD 11	4302	22039	20709	2.5	24.01	-1555	-4163	SLD 15	4274	21832	20513	2.5	13.19	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1930	154335	-114822	-5475	SLE RA 12	-87	154335	-114822	-5475	SLE RA 12	1310.8	Si
1959	121963	-96508	-5410	SLE RA 12	-69.8	120185	-93110	-4978	SLE RA 10	981.6	Si
1988	89592	-78194	-5344	SLE RA 12	-55.8	88561	-75706	-4912	SLE RA 10	737.1	Si
2017	57220	-59881	-5279	SLE RA 12	-36.9	56937	-58301	-4847	SLE RA 10	391.4	Si
2046	24849	-41567	-5214	SLE RA 12	-16.9	24849	-41567	-5214	SLE RA 12	-189.3	Si
2075	-7610	-23269	-5140	SLE RA 13	-10.3	-8501	-20693	-5344	SLE RA 9	-125.2	Si
2104	-39895	-4940	-5083	SLE RA 12	-13.2	-39895	-4940	-5083	SLE RA 12	-152.4	Si
2133	-69522	15425	-5222	SLE RA 8	-20.8	-69522	15425	-5222	SLE RA 8	-226.8	Si
2162	-104638	31687	-4953	SLE RA 12	-46.4	-104638	31687	-4953	SLE RA 12	672.2	Si
2191	-137010	50001	-4888	SLE RA 12	-64.8	-137010	50001	-4888	SLE RA 12	1057.2	Si
2220	-168823	67998	-4823	SLE RA 12	-82	-168823	67998	-4823	SLE RA 12	1386.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1930	122625	-91383	-4510	SLE QP 2	-69.1	Si
1959	96988	-76714	-4445	SLE QP 2	-55.4	Si
1988	71351	-62046	-4379	SLE QP 2	-44.2	Si
2017	45714	-47377	-4314	SLE QP 2	-21.1	Si
2046	20077	-32709	-4249	SLE QP 2	-13.5	Si
2075	-5560	-18041	-4184	SLE QP 2	-8.1	Si
2104	-31197	-3372	-4118	SLE QP 2	-10.3	Si
2133	-56834	11296	-4053	SLE QP 2	-16.6	Si
2162	-82472	25965	-3988	SLE QP 2	-36.9	Si
2191	-108109	40633	-3923	SLE QP 2	-51.5	Si
2220	-133304	55049	-3859	SLE QP 2	-65.2	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1930	130963	-96849	-4662	SLE FR 6	104842	-77532	-77532	1108.2	320.4	0.0288	31.57	0.0102	Si	Si
1959	103616	-81399	-4597										No	Si
1988	76268	-65949	-4532										No	Si
2017	48921	-50499	-4467										No	Si
2046	21573	-35049	-4401										No	Si
2075	-5775	-19599	-4336										No	Si
2104	-33122	-4149	-4271										No	Si
2133	-60470	11302	-4206										No	Si
2162	-87817	26752	-4140										No	Si
2191	-115165	42202	-4075										No	Si
2220	-142041	57385	-4011	SLE FR 6	-125487	50697	50697	1171	256.3	0.0372	27.14	0.0093	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1930	122625	-91383	-4510	SLE QP 2	104873	-78153	-78153	1029.3	320.8	0.0288	31.61	0.0095	Si	Si
1959	96988	-76714	-4445										No	Si
1988	71351	-62046	-4379										No	Si
2017	45714	-47377	-4314										No	Si
2046	20077	-32709	-4249										No	Si
2075	-5560	-18041	-4184										No	Si
2104	-31197	-3372	-4118										No	Si
2133	-56834	11296	-4053										No	Si
2162	-82472	25965	-3988										No	Si
2191	-108109	40633	-3923										No	Si
2220	-133304	55049	-3859	SLE QP 2	-125005	51622	51622	1095.8	257.4	0.0371	27.25	0.0087	Si	Si

Verifiche nodi trave colonna

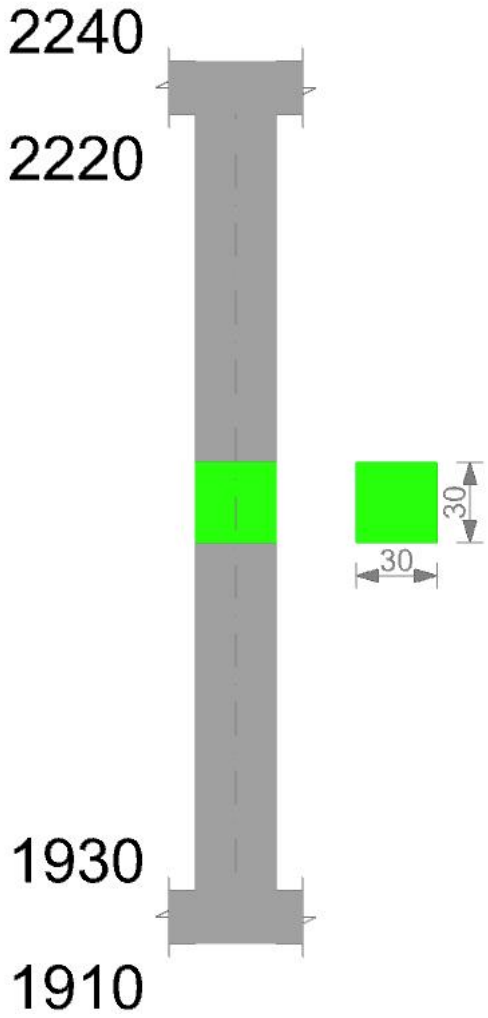
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1920 in quanto elemento di base della pilastrata.
per il nodo Appoggio 2230 in quanto nodo interno a piastra.

Pilastro H5

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1930	2220	R 30x30 1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-9.67	1.6	2.011	1920	1930	R 30x30 1	B450C
p.1	9.67	-9.67	1.6	2.011	1920	1930	R 30x30 1	B450C
p.1	9.67	9.67	1.6	2.011	1920	1930	R 30x30 1	B450C
p.1	-9.67	9.67	1.6	2.011	1920	1930	R 30x30 1	B450C
p.2	-9.67	-9.67	1.6	2.011	1920	2220	R 30x30 1	B450C
p.2	9.67	-9.67	1.6	2.011	1920	2220	R 30x30 1	B450C
p.2	9.67	9.67	1.6	2.011	1920	2220	R 30x30 1	B450C
p.2	-9.67	9.67	1.6	2.011	1920	2220	R 30x30 1	B450C
p.3	-9.9	0	1.6	2.011	1910	1930	R 30x30 1	B450C
p.3	9.9	0	1.6	2.011	1910	1930	R 30x30 1	B450C
p.4	-9.9	0	1.6	2.011	1930.1	2240	R 30x30 1	B450C
p.4	9.9	0	1.6	2.011	1930.1	2240	R 30x30 1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	13.65	2.2	0	1,2,3	-42335	41368	-16254	-391986	383037	SLU 52	9.259	Si
1959	13.64	2.7	0	1,2,3,4	-55404	32339	-16169	-499758	291702	SLU 52	9.02	Si
1988	12.06	1.3	0	2,4	-68474	32169	-16085	-558418	262345	SLU 52	8.155	Si
2017	12.06	1.3	0	2,4	-81544	32000	-16000	-618990	242905	SLU 52	7.591	Si
2046	12.06	1.3	0	2,4	-94614	31830	-15915	-667326	224502	SLU 52	7.053	Si
2075	12.06	1.3	0	2,4	-107683	-31660	-15830	-706457	-207707	SLU 52	6.561	Si
2104	12.06	1.3	0	2,4	-121292	-31462	-15731	-737008	-191173	SLU 51	6.076	Si
2133	12.06	1.3	0	2,4	-134915	-31292	-15646	-761474	-176618	SLU 51	5.644	Si
2162	12.06	1.3	0	2,4	-148537	-41716	-15561	-759576	-213322	SLU 51	5.114	Si
2191	12.06	1.3	0	2,4	-162159	-52307	-15477	-751112	-242285	SLU 51	4.632	Si
2220	13.56	1.8	0	2,4	-175546	-62716	-15393	-757222	-270529	SLU 51	4.314	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1930	13.65	2.2	0	1,2,3	-296436	172163	-9756	-2.02	1.92	-474819	275763	SLV 1	1.602				Si
1959	13.64	2.7	0	1,2,3,4	-250960	136621	-9690	-2.02	1.92	-508230	276678	SLV 1	2.025				Si
1988	12.06	1.3	0	2,4	-205491	101084	-9625	-2.02	1.92	-503242	247553	SLV 1	2.449				Si
2017	12.06	1.3	0	2,4	-160036	65557	-9560	-2.02	1.92	-539264	220905	SLV 1	3.37				Si
2046	12.06	1.3	0	2,4	-114639	30075	-9495	-2.02	1.92	-601475	157796	SLV 1	5.247				Si
2075	12.06	1.3	0	2,4	-70597	-4937	-9429	-2.02	1.92	-650341	-45475	SLV 1	9.212				Si
2104	12.06	1.3	0	2,4	-92603	-37912	-8368	-2.02	1.92	-554799	-227137	SLV 9	5.991				Si
2133	12.06	1.3	0	2,4	-174193	41670	-8403	-2.02	1.92	-590965	141370	SLV 15	3.393				Si
2162	12.06	1.3	0	2,4	-235892	65607	-8338	-2.02	1.92	-511506	142261	SLV 15	2.168				Si
2191	12.06	1.3	0	2,4	-297611	89554	-8273	-2.02	1.92	-468746	141051	SLV 15	1.575				Si
2220	13.56	1.8	0	2,4	-358274	113093	-8209	-2.02	1.92	-460368	145321	SLV 15	1.285				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	13.65	2.2	0	1,2,3	-140426	82687	-9517	-519232	305738	SLD 1	3.698	Si
1959	13.64	2.7	0	1,2,3,4	-125047	64991	-9452	-543289	282366	SLD 1	4.345	Si
1988	12.06	1.3	0	2,4	-109671	47298	-9386	-545935	235446	SLD 1	4.978	Si
2017	12.06	1.3	0	2,4	-94301	29609	-9321	-588204	184685	SLD 1	6.238	Si
2046	12.06	1.3	0	2,4	-78955	11938	-9256	-638409	96530	SLD 1	8.086	Si
2075	12.06	1.3	0	2,4	-64257	-5539	-9191	-636848	-54895	SLD 1	9.911	Si
2104	12.06	1.3	0	2,4	-79119	-22399	-8661	-598791	-169522	SLD 9	7.568	Si
2133	12.06	1.3	0	2,4	-119395	6147	-8642	-678987	34959	SLD 15	5.687	Si
2162	12.06	1.3	0	2,4	-151015	12247	-8577	-664134	53859	SLD 15	4.398	Si
2191	12.06	1.3	0	2,4	-182643	18351	-8512	-636417	63944	SLD 15	3.484	Si
2220	13.56	1.8	0	2,4	-213729	24352	-8447	-599202	68272	SLD 15	2.804	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	-365	-16286	SLU 47	5811	22039	22269	2.5	60.31	-470	-16240	SLU 51	5763	21832	22054	2.5	46.48	Si
1959	2X/2Y Ø8/10	-365	-16201	SLU 47	5800	22039	22258	2.5	60.31	-470	-16155	SLU 51	5753	21832	22043	2.5	46.48	Si
1988	2X/2Y Ø8/10	-365	-16116	SLU 47	5790	22039	22247	2.5	60.31	-470	-16070	SLU 51	5742	21832	22032	2.5	46.48	Si
2017	2X/2Y Ø8/14.4	-365	-16032	SLU 47	5779	15258	22236	2.5	41.75	-470	-15986	SLU 51	5732	15114	22021	2.5	32.18	Si
2046	2X/2Y Ø8/14.4	-365	-15947	SLU 47	5769	15258	22226	2.5	41.75	-470	-15901	SLU 51	5721	15114	22011	2.5	32.18	Si
2075	2X/2Y Ø8/14.4	-365	-15862	SLU 47	5758	15258	22215	2.5	41.75	-470	-15816	SLU 51	5711	15114	22000	2.5	32.18	Si
2104	2X/2Y Ø8/14.4	-365	-15777	SLU 47	5747	15258	22204	2.5	41.75	-470	-15731	SLU 51	5700	15114	21989	2.5	32.18	Si
2133	2X/2Y Ø8/14.4	-365	-15692	SLU 47	5737	15258	22193	2.5	41.75	-470	-15646	SLU 51	5690	15114	21978	2.5	32.18	Si
2162	2X/2Y Ø8/10	-365	-15608	SLU 47	5726	22039	22182	2.5	60.31	-470	-15561	SLU 51	5679	21832	21967	2.5	46.48	Si
2191	2X/2Y Ø8/10	-365	-15523	SLU 47	5716	22039	22171	2.5	60.31	-470	-15477	SLU 51	5669	21832	21956	2.5	46.48	Si
2220	2X/2Y Ø8/10	-365	-15439	SLU 47	5705	22039	22160	2.5	60.31	-470	-15393	SLU 51	5659	21832	21946	2.5	46.48	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	-1462	-9097	SLV 5	4916	21598	21656	2.45	14.77	-2129	-8860	SLV 15	4853	21395	21421	2.45	10.05	Si
1959	2X/2Y Ø8/10	-1462	-9032	SLV 5	4908	21598	21647	2.45	14.77	-2129	-8795	SLV 15	4845	21395	21413	2.45	10.05	Si
1988	2X/2Y Ø8/10	-1462	-8966	SLV 5	4900	21598	21639	2.45	14.77	-2129	-8729	SLV 15	4837	21395	21404	2.45	10.05	Si
2017	2X/2Y Ø8/14.4	-1462	-8901	SLV 5	4891	15258	21318	2.5	10.43	-2129	-8664	SLV 15	4829	15114	21087	2.5	7.1	Si
2046	2X/2Y Ø8/14.4	-1462	-8836	SLV 5	4883	15258	21310	2.5	10.43	-2129	-8599	SLV 15	4821	15114	21079	2.5	7.1	Si
2075	2X/2Y Ø8/14.4	-1462	-8771	SLV 5	4875	15258	21301	2.5	10.43	-2129	-8534	SLV 15	4813	15114	21071	2.5	7.1	Si
2104	2X/2Y Ø8/14.4	-1462	-8705	SLV 5	4867	15258	21293	2.5	10.43	-2129	-8468	SLV 15	4805	15114	21062	2.5	7.1	Si
2133	2X/2Y Ø8/14.4	-1462	-8640	SLV 5	4859	15258	21284	2.5	10.43	-2129	-8403	SLV 15	4797	15114	21054	2.5	7.1	Si
2162	2X/2Y Ø8/10	-1462	-8575	SLV 5	4851	21158	21906	2.4	14.47	-2129	-8338	SLV 15	4789	20959	21668	2.4	9.84	Si
2191	2X/2Y Ø8/10	-1462	-8510	SLV 5	4843	21158	21897	2.4	14.47	-2129	-8273	SLV 15	4780	20959	21660	2.4	9.84	Si
2220	2X/2Y Ø8/10	-1462	-8445	SLV 5	4835	21158	21888	2.4	14.47	-2129	-8209	SLV 15	4773	20959	21651	2.4	9.84	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	-710	-9210	SLD 5	4930	22039	21358	2.5	30.09	-1091	-9099	SLD 15	4882	21832	21143	2.5	19.38	Si
1959	2X/2Y Ø8/10	-710	-9144	SLD 5	4922	22039	21349	2.5	30.08	-1091	-9034	SLD 15	4874	21832	21134	2.5	19.37	Si
1988	2X/2Y Ø8/10	-710	-9079	SLD 5	4914	22039	21341	2.5	30.07	-1091	-8968	SLD 15	4866	21832	21126	2.5	19.37	Si
2017	2X/2Y Ø8/14.4	-710	-9014	SLD 5	4905	15258	21333	2.5	21.5	-1091	-8903	SLD 15	4858	15114	21118	2.5	13.86	Si
2046	2X/2Y Ø8/14.4	-710	-8949	SLD 5	4897	15258	21324	2.5	21.5	-1091	-8838	SLD 15	4850	15114	21109	2.5	13.86	Si
2075	2X/2Y Ø8/14.4	-710	-8883	SLD 5	4889	15258	21316	2.5	21.5	-1091	-8773	SLD 15	4842	15114	21101	2.5	13.86	Si
2104	2X/2Y Ø8/14.4	-710	-8818	SLD 5	4881	15258	21307	2.5	21.5	-1091	-8707	SLD 15	4834	15114	21093	2.5	13.86	Si
2133	2X/2Y Ø8/14.4	-710	-8753	SLD 5	4873	15258	21299	2.5	21.5	-1091	-8642	SLD 15	4826	15114	21084	2.5	13.86	Si
2162	2X/2Y Ø8/10	-710	-8688	SLD 5	4865	22039	21291	2.5	30	-1091	-8577	SLD 15	4818	21832	21076	2.5	19.32	Si
2191	2X/2Y Ø8/10	-710	-8622	SLD 5	4857	22039	21282	2.5	29.98	-1091	-8512	SLD 15	4810	21832	21068	2.5	19.31	Si
2220	2X/2Y Ø8/10	-710	-8558	SLD 5	4849	22039	21274	2.5	29.97	-1091	-8447	SLD 15	4802	21832	21060	2.5	19.31	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1930	-30218	29156	-11579	SLE RA 13	-21.1	-30218	29156	-11579	SLE RA 13	-260	Si
1959	-39466	21912	-11514	SLE RA 13	-21.5	-39466	21912	-11514	SLE RA 13	-263.6	Si
1988	-48714	14667	-11449	SLE RA 13	-22.5	-48714	14667	-11449	SLE RA 13	-273.6	Si
2017	-57962	7423	-11384	SLE RA 13	-22.9	-57962	7423	-11384	SLE RA 13	-277.4	Si
2046	-67210	178	-11318	SLE RA 13	-23.3	-67210	178	-11318	SLE RA 13	-281.1	Si
2075	-76458	-7066	-11253	SLE RA 13	-26.2	-76458	-7066	-11253	SLE RA 13	-309	Si
2104	-86066	-14570	-11178	SLE RA 12	-29.3	-86066	-14570	-11178	SLE RA 12	-338.5	Si
2133	-95682	-22041	-11113	SLE RA 12	-32.4	-95682	-22041	-11113	SLE RA 12	-368.1	Si
2162	-105299	-29512	-11048	SLE RA 12	-42.1	-105299	-29512	-11048	SLE RA 12	-442.6	Si
2191	-114915	-36983	-10983	SLE RA 12	-47.8	-114915	-36983	-10983	SLE RA 12	-488.6	Si
2220	-124366	-44326	-10918	SLE RA 12	-52.7	-124366	-44326	-10918	SLE RA 12	-525.9	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1930	-19155	23017	-9308	SLE QP 2	-15.9	Si
1959	-27282	17223	-9243	SLE QP 2	-16.4	Si
1988	-35408	11428	-9177	SLE QP 2	-17.3	Si
2017	-43535	5634	-9112	SLE QP 2	-17.7	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
2046	-51661	-161	-9047	SLE QP 2	-18.2	Si
2075	-59787	-5956	-8982	SLE QP 2	-20.7	Si
2104	-67914	-11750	-8916	SLE QP 2	-23.3	Si
2133	-76040	-17545	-8851	SLE QP 2	-25.8	Si
2162	-84167	-23339	-8786	SLE QP 2	-28.3	Si
2191	-92293	-29134	-8721	SLE QP 2	-38.2	Si
2220	-100279	-34829	-8656	SLE QP 2	-42.3	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

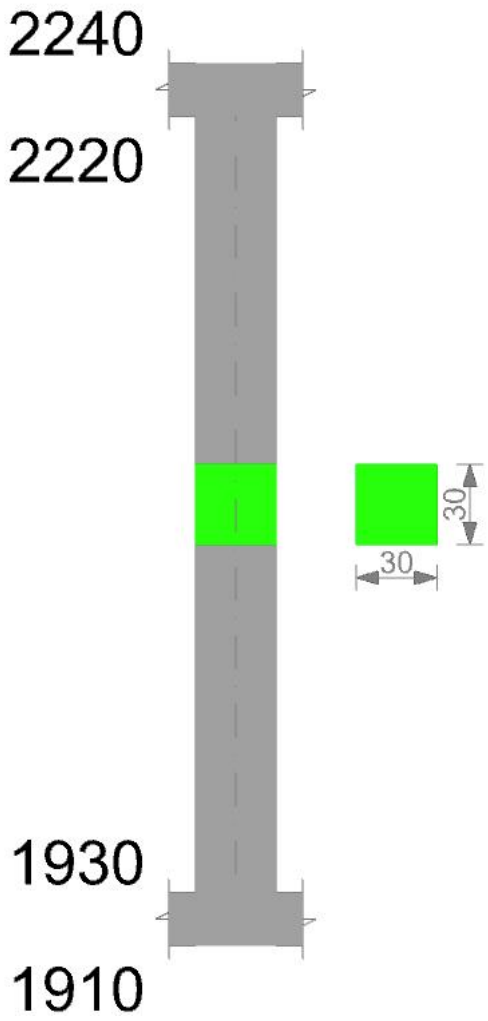
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1920 in quanto elemento di base della pilastrata.
per il nodo Appoggio 2230 in quanto nodo interno a piastra.

Pilastro H6

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1930	2220	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-9.67	1.6	2.011	1920	1930	R 30x30_1	B450C
p.1	9.67	-9.67	1.6	2.011	1920	1930	R 30x30_1	B450C
p.1	9.67	9.67	1.6	2.011	1920	1930	R 30x30_1	B450C
p.1	-9.67	9.67	1.6	2.011	1920	1930	R 30x30_1	B450C
p.2	-9.67	-9.67	1.6	2.011	1920	2220	R 30x30_1	B450C
p.2	9.67	-9.67	1.6	2.011	1920	2220	R 30x30_1	B450C
p.2	9.67	9.67	1.6	2.011	1920	2220	R 30x30_1	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.2	-9.67	9.67	1.6	2.011	1920	2220	R 30x30_1	B450C
p.3	-9.9	0	1.6	2.011	1910	1930	R 30x30_1	B450C
p.3	9.9	0	1.6	2.011	1910	1930	R 30x30_1	B450C
p.4	-9.9	0	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.4	9.9	0	1.6	2.011	1930.1	2240	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	13.65	2.2	0	1,2,3	-8520	41006	-4260	-184274	886852	SLU 47	21.627	Si
1959	13.64	2.7	0	1,2,3,4	-15689	33080	-4166	-353989	746372	SLU 48	22.563	Si
1988	12.06	1.3	0	2,4	-26210	26378	-4081	-531668	535071	SLU 48	20.285	Si
2017	12.06	1.3	0	2,4	-38534	17447	-3668	-706584	319930	SLU 52	18.337	Si
2046	12.06	1.3	0	2,4	-49661	11504	-3583	-779137	180494	SLU 52	15.689	Si
2075	12.06	1.3	0	2,4	-60789	6997	-3498	-793710	91359	SLU 52	13.057	Si
2104	12.06	1.3	0	2,4	-72112	-6846	-3423	-765300	-72655	SLU 51	10.613	Si
2133	12.06	1.3	0	2,4	-83637	-6676	-3338	-740030	-59073	SLU 51	8.848	Si
2162	12.06	1.3	0	2,4	-95162	-12633	-3253	-701451	-93121	SLU 51	7.371	Si
2191	12.06	1.3	0	2,4	-106687	-18775	-3169	-669737	-117861	SLU 51	6.278	Si
2220	13.56	1.8	0	2,4	-118014	-24811	-3085	-681584	-143295	SLU 51	5.775	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1930	13.65	2.2	0	1,2,3	-233760	138436	-2820	-2.02	1.92	-398059	235736	SLV 1	1.703				Si
1959	13.64	2.7	0	1,2,3,4	-199633	114457	-2755	-2.02	1.92	-407167	233444	SLV 1	2.04				Si
1988	12.06	1.3	0	2,4	-165509	90481	-2690	-2.02	1.92	-373564	204221	SLV 1	2.257				Si
2017	12.06	1.3	0	2,4	-131393	66511	-2624	-2.02	1.92	-393135	199005	SLV 1	2.992				Si
2046	12.06	1.3	0	2,4	-97301	42559	-2559	-2.02	1.92	-430770	188419	SLV 1	4.427				Si
2075	12.06	1.3	0	2,4	-63361	18723	-2494	-2.02	1.92	-527748	155944	SLV 1	8.329				Si
2104	12.06	1.3	0	2,4	-51609	3377	-1929	-2.02	1.92	-586623	38381	SLV 13	11.367				Si
2133	12.06	1.3	0	2,4	-99762	5652	-1864	-2.02	1.92	-481555	27281	SLV 13	4.827				Si
2162	12.06	1.3	0	2,4	-147753	38487	-1524	-2.02	1.92	-404284	105308	SLV 15	2.736				Si
2191	12.06	1.3	0	2,4	-195785	54919	-1459	-2.02	1.92	-390405	109512	SLV 15	1.994				Si
2220	13.56	1.8	0	2,4	-243000	71078	-1395	-2.02	1.92	-400490	117144	SLV 15	1.648				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	13.65	2.2	0	1,2,3	-103162	68930	-2593	-425325	284188	SLD 1	4.123	Si
1959	13.64	2.7	0	1,2,3,4	-91814	57083	-2527	-444275	276213	SLD 1	4.839	Si
1988	12.06	1.3	0	2,4	-80468	45237	-2462	-419551	235861	SLD 1	5.214	Si
2017	12.06	1.3	0	2,4	-69124	33395	-2397	-454252	219454	SLD 1	6.572	Si
2046	12.06	1.3	0	2,4	-57789	21562	-2332	-509665	190163	SLD 1	8.819	Si
2075	12.06	1.3	0	2,4	-46511	9789	-2266	-604376	127199	SLD 1	12.994	Si
2104	12.06	1.3	0	2,4	-45402	1409	-1996	-642359	19941	SLD 13	14.148	Si
2133	12.06	1.3	0	2,4	-68948	-12750	-2136	-514354	-95112	SLD 9	7.46	Si
2162	12.06	1.3	0	2,4	-96005	10875	-1752	-467378	52942	SLD 15	4.868	Si
2191	12.06	1.3	0	2,4	-121268	15182	-1686	-444933	55704	SLD 15	3.669	Si
2220	13.56	1.8	0	2,4	-146101	19421	-1622	-450110	59831	SLD 15	3.081	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	-238	-4260	SLU 47	4314	21158	21333	2.4	88.92	-397	-3932	SLU 51	4245	20959	21090	2.4	52.74	Si
1959	2X/2Y Ø8/10	-238	-4175	SLU 47	4303	21158	21322	2.4	88.92	-397	-3847	SLU 51	4235	20959	21078	2.4	52.74	Si
1988	2X/2Y Ø8/10	-238	-4091	SLU 47	4293	21158	21311	2.4	88.92	-397	-3762	SLU 51	4224	20959	21067	2.4	52.74	Si
2017	2X/2Y Ø8/14.4	-238	-4006	SLU 47	4282	15258	20688	2.5	64.12	-397	-3677	SLU 51	4214	15114	20451	2.5	38.03	Si
2046	2X/2Y Ø8/14.4	-238	-3921	SLU 47	4271	15258	20677	2.5	64.12	-397	-3593	SLU 51	4203	15114	20440	2.5	38.03	Si
2075	2X/2Y Ø8/14.4	-238	-3836	SLU 47	4261	15258	20666	2.5	64.12	-397	-3508	SLU 51	4193	15114	20429	2.5	38.03	Si
2104	2X/2Y Ø8/14.4	-238	-3751	SLU 47	4250	15258	20655	2.5	64.12	-397	-3423	SLU 51	4182	15114	20419	2.5	38.03	Si
2133	2X/2Y Ø8/14.4	-238	-3666	SLU 47	4240	15258	20644	2.5	64.12	-397	-3338	SLU 51	4172	15114	20408	2.5	38.03	Si
2162	2X/2Y Ø8/10	-238	-3582	SLU 47	4229	21158	21243	2.4	88.92	-393	-2828	SLU 49	4109	20522	21255	2.35	52.22	Si
2191	2X/2Y Ø8/10	-238	-3497	SLU 47	4219	21158	21232	2.4	88.92	-393	-2744	SLU 49	4099	20522	21244	2.35	52.22	Si
2220	2X/2Y Ø8/10	-238	-3413	SLU 47	4208	21158	21221	2.4	88.92	-393	-2660	SLU 49	4088	20522	21233	2.35	52.22	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	-1041	-2966	SLV 5	4152	21158	21162	2.4	20.33	-1657	-2046	SLV 15	4013	20522	21151	2.35	12.38	Si
1959	2X/2Y Ø8/10	-1041	-2901	SLV 5	4144	20717	21467	2.35	19.9	-1657	-1981	SLV 15	4005	20522	21142	2.35	12.38	Si
1988	2X/2Y Ø8/10	-1041	-2835	SLV 5	4136	20717	21458	2.35	19.9	-1657	-1916	SLV 15	3996	20522	21133	2.35	12.38	Si
2017	2X/2Y Ø8/14.4	-1041	-2770	SLV 5	4128	15258	20528	2.5	14.66	-1657	-1850	SLV 15	3988	15114	20218	2.5	9.12	Si
2046	2X/2Y Ø8/14.4	-1041	-2705	SLV 5	4120	15258	20520	2.5	14.66	-1657	-1785	SLV 15	3980	15114	20210	2.5	9.12	Si
2075	2X/2Y Ø8/14.4	-1041	-2640	SLV 5	4112	15258	20512	2.5	14.66	-1657	-1720	SLV 15	3972	15114	20201	2.5	9.12	Si
2104	2X/2Y Ø8/14.4	-1041	-2574	SLV 5	4104	15258	20503	2.5	14.66	-1657	-1655	SLV 15	3964	15114	20193	2.5	9.12	Si
2133	2X/2Y Ø8/14.4	-1041	-2509	SLV 5	4096	15258	20495	2.5	14.66	-1657	-1589	SLV 15	3956	15114	20185	2.5	9.12	Si
2162	2X/2Y Ø8/10	-1041	-2444	SLV 5	4087	20717	21405	2.35	19.9	-1657	-1524	SLV 15	3948	20522	21081	2.35	12.38	Si
2191	2X/2Y Ø8/10	-1041	-2379	SLV 5	4079	20717	21396	2.35	19.9	-1657	-1459	SLV 15	3940	20522	21072	2.35	12.38	Si
2220	2X/2Y Ø8/10	-1041	-2314	SLV 5	4071	20717	21388	2.35	19.9	-1657	-1395	SLV 15	3932	20522	21064	2.35	12.38	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	-498	-2654	SLD 5	4114	22039	20514	2.5	41.16	-871	-2274	SLD 15	4041	21832	20272	2.5	23.26	Si
1959	2X/2Y Ø8/10	-498	-2589	SLD 5	4106	22039	20505	2.5	41.14	-871	-2208	SLD 15	4033	21832	20264	2.5	23.25	Si
1988	2X/2Y Ø8/10	-498	-2524	SLD 5	4097	22039	20497	2.5	41.12	-871	-2143	SLD 15	4025	21832	20255	2.5	23.24	Si
2017	2X/2Y Ø8/14.4	-498	-2459	SLD 5	4089	15258	20488	2.5	30.61	-871	-2078	SLD 15	4016	15114	20247	2.5	17.34	Si
2046	2X/2Y Ø8/14.4	-498	-2393	SLD 5	4081	15258	20480	2.5	30.61	-871	-2013	SLD 15	4008	15114	20239	2.5	17.34	Si
2075	2X/2Y Ø8/14.4	-498	-2328	SLD 5	4073	15258	20472	2.5	30.61	-871	-1947	SLD 15	4000	15114	20230	2.5	17.34	Si
2104	2X/2Y Ø8/14.4	-498	-2263	SLD 5	4065	15258	20463	2.5	30.61	-871	-1882	SLD 15	3992	15114	20222	2.5	17.34	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
2133	2X/2Y Ø8/14.4	-498	-2198	SLD 5	4057	15258	20455	2.5	30.61	-871	-1817	SLD 15	3984	15114	20214	2.5	17.34	Si
2162	2X/2Y Ø8/10	-498	-2132	SLD 5	4049	22039	20446	2.5	41.02	-871	-1752	SLD 15	3976	21832	20205	2.5	23.19	Si
2191	2X/2Y Ø8/10	-498	-2067	SLD 5	4041	22039	20438	2.5	41.01	-871	-1686	SLD 15	3968	21832	20197	2.5	23.18	Si
2220	2X/2Y Ø8/10	-498	-2003	SLD 5	4033	22039	20430	2.5	40.99	-871	-1622	SLD 15	3960	21832	20189	2.5	23.17	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1930	-3582	28920	-3079	SLE RA 9	-8.4	-3582	28920	-3079	SLE RA 9	-96.5	Si
1959	-11105	24069	-3014	SLE RA 9	-8.9	-11105	24069	-3014	SLE RA 9	-101	Si
1988	-18627	19218	-2949	SLE RA 9	-9.7	-18627	19218	-2949	SLE RA 9	-108.1	Si
2017	-26150	14366	-2884	SLE RA 9	-10.2	-26150	14366	-2884	SLE RA 9	-112.7	Si
2046	-33673	9515	-2818	SLE RA 9	-10.7	-33673	9515	-2818	SLE RA 9	-117.4	Si
2075	-43070	4343	-2541	SLE RA 12	-11.3	-41061	4818	-2759	SLE RA 8	-122.1	Si
2104	-51262	-134	-2475	SLE RA 12	-12.1	-51262	-134	-2475	SLE RA 12	-128.9	Si
2133	-59454	-4612	-2410	SLE RA 12	-14.4	-59454	-4612	-2410	SLE RA 12	-150.8	Si
2162	-67646	-9090	-2345	SLE RA 12	-16.7	-67646	-9090	-2345	SLE RA 12	-172.6	Si
2191	-75838	-13568	-2280	SLE RA 12	-31.1	-73962	-11800	-1996	SLE RA 10	567.5	Si
2220	-83889	-17969	-2215	SLE RA 12	-34.8	-83889	-17969	-2215	SLE RA 12	631.5	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1930	2617	22270	-2369	SLE QP 1	-6.5	Si
1959	-5433	18841	-2368	SLE QP 2	-6.4	Si
1988	-12394	15075	-2303	SLE QP 2	-7.2	Si
2017	-19355	11309	-2237	SLE QP 2	-7.8	Si
2046	-26316	7543	-2172	SLE QP 2	-8.4	Si
2075	-33277	3777	-2107	SLE QP 2	-9	Si
2104	-40239	11	-2042	SLE QP 2	-9.6	Si
2133	-47200	-3755	-1976	SLE QP 2	-11.5	Si
2162	-54161	-7521	-1911	SLE QP 2	-13.4	Si
2191	-61122	-11287	-1846	SLE QP 2	-15.3	Si
2220	-67963	-14988	-1782	SLE QP 2	-28.3	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

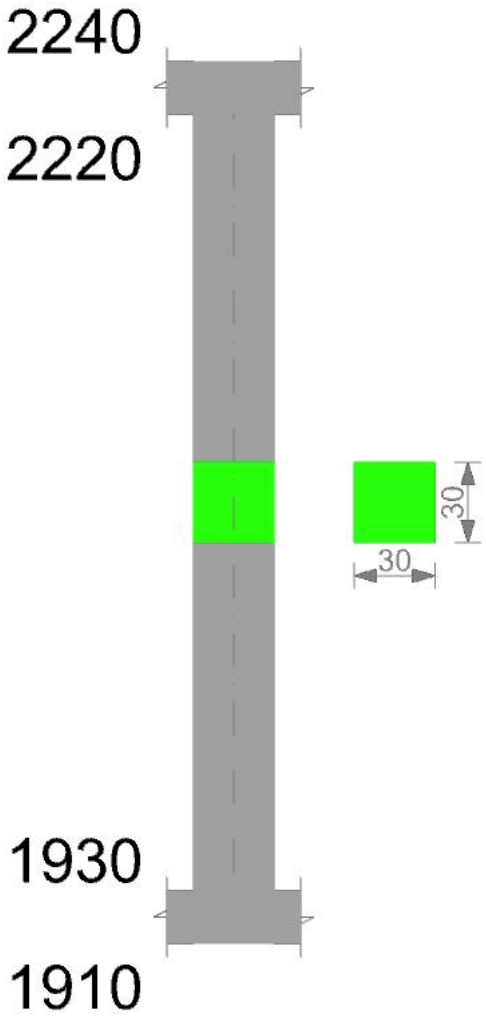
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 2230 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto elemento di base della pilastrata.

Pilastro H7

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1930	2220	R 30x30 1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-9.67	1.6	2.011	1920	1930	R 30x30 1	B450C
p.1	9.67	-9.67	1.6	2.011	1920	1930	R 30x30 1	B450C
p.1	9.67	9.67	1.6	2.011	1920	1930	R 30x30 1	B450C
p.1	-9.67	9.67	1.6	2.011	1920	1930	R 30x30 1	B450C
p.2	-9.67	-9.67	1.6	2.011	1930	2220	R 30x30 1	B450C
p.2	9.67	-9.67	1.6	2.011	1930	2220	R 30x30 1	B450C
p.2	9.67	9.67	1.6	2.011	1930	2220	R 30x30 1	B450C
p.2	-9.67	9.67	1.6	2.011	1930	2220	R 30x30 1	B450C
p.3	-9.9	0	1.6	2.011	1910	1930	R 30x30 1	B450C
p.3	9.9	0	1.6	2.011	1910	1930	R 30x30 1	B450C
p.4	-9.9	0	1.6	2.011	1930.1	2240	R 30x30 1	B450C
p.4	9.9	0	1.6	2.011	1930.1	2240	R 30x30 1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	12.06	2.2	0	1,2,3	-147523	-266932	-9981	-345048	-624336	SLU 51	2.339	Si
1959	12.06	2.7	0	1,2,3,4	-126781	-236412	-9896	-346431	-645999	SLU 51	2.733	Si
1988	12.06	1.3	0	2,4	-106039	-205893	-9811	-346566	-672917	SLU 51	3.268	Si
2017	12.06	1.3	0	2,4	-85297	-175374	-9727	-343267	-705771	SLU 51	4.024	Si
2046	12.06	1.3	0	2,4	-64219	-145243	-9659	-332189	-751306	SLU 52	5.173	Si
2075	12.06	1.3	0	2,4	-43812	-114505	-9574	-303461	-793107	SLU 52	6.926	Si
2104	12.06	1.3	0	2,4	-23405	-83766	-9489	-225998	-808839	SLU 52	9.656	Si
2133	12.06	1.3	0	2,4	-18775	-53296	-9387	-239082	-678684	SLU 51	12.734	Si
2162	12.06	1.3	0	2,4	19576	-19576	-9788	316346	-316346	SLU 48	16.16	Si
2191	12.06	1.3	0	2,4	37052	19373	-9687	521318	272574	SLU 47	14.07	Si
2220	13.56	1.8	0	2,4	56110	46709	-9602	575163	478789	SLU 47	10.251	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1930	12.06	2.2	0	1,2,3	-253069	-365020	-5565	-2.02	1.92	-256157	-369473	SLV 3	1.012				Si
1959	12.06	2.7	0	1,2,3,4	-209824	-310278	-5500	-2.02	1.92	-258028	-381559	SLV 3	1.23				Si
1988	12.06	1.3	0	2,4	-166579	-255537	-5434	-2.02	1.92	-261016	-400405	SLV 3	1.567				Si
2017	12.06	1.3	0	2,4	-123335	-200798	-5369	-2.02	1.92	-265249	-431844	SLV 3	2.151				Si
2046	12.06	1.3	0	2,4	-80092	-146064	-5304	-2.02	1.92	-271368	-494893	SLV 3	3.388				Si
2075	12.06	1.3	0	2,4	-21421	-92022	-6447	-2.02	1.92	-155509	-668043	SLV 7	7.26				Si
2104	12.06	1.3	0	2,4	-31599	-56393	-5890	-2.02	1.92	-299882	-535175	SLV 13	9.49				Si
2133	12.06	1.3	0	2,4	-52892	-74379	-5825	-2.02	1.92	-338567	-476108	SLV 13	6.401				Si
2162	12.06	1.3	0	2,4	83825	-85077	-4147	-2.02	1.92	379691	-385362	SLV 5	4.53				Si
2191	12.06	1.3	0	2,4	136147	127694	-4978	-2.02	1.92	360445	338067	SLV 3	2.647				Si
2220	13.56	1.8	0	2,4	179392	182434	-4912	-2.02	1.92	348325	354233	SLV 3	1.942				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	12.06	2.2	0	1,2,3	-153534	-251485	-5761	-255586	-418643	SLD 3	1.665	Si
1959	12.06	2.7	0	1,2,3,4	-128683	-216503	-5695	-259413	-436450	SLD 3	2.016	Si
1988	12.06	1.3	0	2,4	-103833	-181523	-5630	-264916	-463133	SLD 3	2.551	Si
2017	12.06	1.3	0	2,4	-78982	-146543	-5565	-272491	-505576	SLD 3	3.45	Si
2046	12.06	1.3	0	2,4	-54133	-111565	-5500	-262849	-541714	SLD 3	4.856	Si
2075	12.06	1.3	0	2,4	-22701	-76710	-5988	-188682	-637581	SLD 7	8.312	Si
2104	12.06	1.3	0	2,4	-20757	-50670	-5694	-241467	-589446	SLD 13	11.633	Si
2133	12.06	1.3	0	2,4	-23661	-49557	-5629	-269526	-564508	SLD 13	11.391	Si
2162	12.06	1.3	0	2,4	40854	-44348	-4826	394580	-428324	SLD 5	9.658	Si
2191	12.06	1.3	0	2,4	70128	63362	-5173	415020	374977	SLD 3	5.918	Si
2220	13.56	1.8	0	2,4	94979	98342	-5108	394961	408949	SLD 3	4.158	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	1060	-9998	SLU 52	5028	21598	21773	2.45	20.38	715	-9981	SLU 51	4991	21395	21566	2.45	29.91	Si
1959	2X/2Y Ø8/10	1060	-9913	SLU 52	5017	21598	21762	2.45	20.38	715	-9896	SLU 51	4981	21395	21555	2.45	29.91	Si
1988	2X/2Y Ø8/10	1060	-9828	SLU 52	5007	21598	21751	2.45	20.38	715	-9811	SLU 51	4970	21395	21544	2.45	29.91	Si
2017	2X/2Y Ø8/14.4	1060	-9743	SLU 52	4996	15258	21427	2.5	14.4	715	-9727	SLU 51	4960	15114	21223	2.5	21.13	Si
2046	2X/2Y Ø8/14.4	1060	-9659	SLU 52	4986	15258	21416	2.5	14.4	715	-9642	SLU 51	4949	15114	21212	2.5	21.13	Si
2075	2X/2Y Ø8/14.4	1060	-9574	SLU 52	4975	15258	21405	2.5	14.4	715	-9557	SLU 51	4939	15114	21201	2.5	21.13	Si
2104	2X/2Y Ø8/14.4	1060	-9489	SLU 52	4965	15258	21394	2.5	14.4	715	-9472	SLU 51	4928	15114	21190	2.5	21.13	Si
2133	2X/2Y Ø8/14.4	1060	-9404	SLU 52	4954	15258	21383	2.5	14.4	715	-9387	SLU 51	4918	15114	21180	2.5	21.13	Si
2162	2X/2Y Ø8/10	1060	-9319	SLU 52	4943	21598	21685	2.45	20.38	715	-9303	SLU 51	4907	21395	21479	2.45	29.91	Si
2191	2X/2Y Ø8/10	1060	-9234	SLU 52	4933	21598	21674	2.45	20.38	715	-9218	SLU 51	4897	21395	21468	2.45	29.91	Si
2220	2X/2Y Ø8/10	1060	-9150	SLU 52	4922	21598	21663	2.45	20.38	715	-9133	SLU 51	4887	21395	21457	2.45	29.91	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	2265	-6773	SLV 7	4626	21158	21667	2.4	9.34	1855	-4934	SLV 1	4369	20959	21221	2.4	11.3	Si
1959	2X/2Y Ø8/10	2265	-6708	SLV 7	4618	21158	21658	2.4	9.34	1855	-4869	SLV 1	4361	20959	21213	2.4	11.3	Si
1988	2X/2Y Ø8/10	2265	-6642	SLV 7	4610	21158	21649	2.4	9.34	1855	-4803	SLV 1	4353	20959	21204	2.4	11.3	Si
2017	2X/2Y Ø8/14.4	2265	-6577	SLV 7	4602	15258	21019	2.5	6.74	1855	-4738	SLV 1	4345	15114	20586	2.5	8.15	Si
2046	2X/2Y Ø8/14.4	2265	-6512	SLV 7	4594	15258	21010	2.5	6.74	1855	-4673	SLV 1	4337	15114	20578	2.5	8.15	Si
2075	2X/2Y Ø8/14.4	2265	-6447	SLV 7	4586	15258	21002	2.5	6.74	1855	-4608	SLV 1	4328	15114	20570	2.5	8.15	Si
2104	2X/2Y Ø8/14.4	2265	-6381	SLV 7	4578	15258	20994	2.5	6.74	1855	-4542	SLV 1	4320	15114	20561	2.5	8.15	Si
2133	2X/2Y Ø8/14.4	2265	-6316	SLV 7	4570	15258	20985	2.5	6.74	1855	-4477	SLV 1	4312	15114	20553	2.5	8.15	Si
2162	2X/2Y Ø8/10	2265	-6251	SLV 7	4561	21158	21597	2.4	9.34	1855	-4412	SLV 1	4304	20959	21153	2.4	11.3	Si
2191	2X/2Y Ø8/10	2265	-6186	SLV 7	4553	21158	21589	2.4	9.34	1855	-4347	SLV 1	4296	20959	21144	2.4	11.3	Si
2220	2X/2Y Ø8/10	2265	-6120	SLV 7	4545	21158	21580	2.4	9.34	1855	-4281	SLV 1	4288	20959	21135	2.4	11.3	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	1373	-6314	SLD 7	4569	22039	20985	2.5	15.29	1010	-5471	SLD 1	4435	21832	20680	2.5	20.48	Si
1959	2X/2Y Ø8/10	1373	-6249	SLD 7	4561	22039	20976	2.5	15.28	1010	-5406	SLD 1	4427	21832	20672	2.5	20.48	Si
1988	2X/2Y Ø8/10	1373	-6183	SLD 7	4553	22039	20968	2.5	15.27	1010	-5341	SLD 1	4419	21832	20663	2.5	20.47	Si
2017	2X/2Y Ø8/14.4	1373	-6118	SLD 7	4545	15258	20960	2.5	11.11	1010	-5275	SLD 1	4411	15114	20655	2.5	14.97	Si
2046	2X/2Y Ø8/14.4	1373	-6053	SLD 7	4537	15258	20951	2.5	11.11	1010	-5210	SLD 1	4403	15114	20647	2.5	14.97	Si
2075	2X/2Y Ø8/14.4	1373	-5988	SLD 7	4529	15258	20943	2.5	11.11	1010	-5145	SLD 1	4395	15114	20638	2.5	14.97	Si
2104	2X/2Y Ø8/14.4	1373	-5922	SLD 7	4521	15258	20934	2.5	11.11	1010	-5080	SLD 1	4387	15114	20630	2.5	14.97	Si
2133	2X/2Y Ø8/14.4	1373	-5857	SLD 7	4512	15258	20926	2.5	11.11	1010	-5014	SLD 1	4379	15114	20622	2.5	14.97	Si
2162	2X/2Y Ø8/10	1373	-5792	SLD 7	4504	22039	20918	2.5	15.24	1010	-4949	SLD 1	4371	21832	20613	2.5	20.42	Si
2191	2X/2Y Ø8/10	1373	-5727	SLD 7	4496	22039	20909	2.5	15.23	1010	-4884	SLD 1	4363	21832	20605	2.5	20.41	Si
2220	2X/2Y Ø8/10	1373	-5661	SLD 7	4488	22039	20901	2.5	15.22	1010	-4819	SLD 1	4354	21832	20597	2.5	20.4	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1930	-104210	-191672	-7187	SLE RA 12	-97	-104210	-191672	-7187	SLE RA 12	1423.5	Si
1959	-89579	-169623	-7121	SLE RA 12	-84.2	-89579	-169623	-7121	SLE RA 12	1180.9	Si
1988	-74949	-147574	-7056	SLE RA 12	-71.4	-73923	-142733	-6458	SLE RA 10	946.8	Si
2017	-60318	-125526	-6991	SLE RA 12	-58.7	-59605	-121923	-6393	SLE RA 10	719.6	Si
2046	-45688	-103477	-6926	SLE RA 12	-46	-45287	-101113	-6328	SLE RA 10	498.7	Si
2075	-31057	-81541	-6872	SLE RA 13	-33.7	-31057	-81541	-6872	SLE RA 13	-339.5	Si
2104	-16650	-59346	-6806	SLE RA 13	-20	-16650	-59346	-6806	SLE RA 13	-226.7	Si
2133	-2243	-37151	-6741	SLE RA 13	-13.2	-2243	-37151	-6741	SLE RA 13	-161.3	Si
2162	12834	-15281	-6665	SLE RA 12	-11.3	12834	-15281	-6665	SLE RA 12	-142.3	Si
2191	26062	12488	-6912	SLE RA 8	-13.6	26062	12488	-6912	SLE RA 8	-165.3	Si
2220	39569	34447	-6847	SLE RA 8	-19.6	39569	34447	-6847	SLE RA 8	-222.8	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1930	-78401	-152040	-5923	SLE QP 2	-75.1	Si
1959	-67432	-134330	-5858	SLE QP 2	-65.2	Si
1988	-56463	-116621	-5793	SLE QP 2	-55.2	Si
2017	-45493	-98912	-5727	SLE QP 2	-45.3	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
2046	-34524	-81202	-5662	SLE QP 2	-35.5	Si
2075	-23555	-63493	-5597	SLE QP 2	-20.9	Si
2104	-12586	-45784	-5532	SLE QP 2	-15.6	Si
2133	-1616	-28075	-5466	SLE QP 2	-10.3	Si
2162	9353	-10365	-5401	SLE QP 2	-8.6	Si
2191	20322	7344	-5336	SLE QP 2	-10.1	Si
2220	31291	25053	-5271	SLE QP 2	-15	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1930	-85303	-161272	-6113	SLE FR 6	-64094	-121175	-121175	1177.8	146.7	0.0411	28.67	0.0098	Si	Si
1959	-73377	-142677	-6048	SLE FR 6	-64147	-124729	-124729	977	143	0.0421	29.37	0.0084	Si	Si
1988	-61451	-124082	-5983										No	Si
2017	-49525	-105486	-5918										No	Si
2046	-37599	-86891	-5852										No	Si
2075	-25673	-68296	-5787										No	Si
2104	-13747	-49701	-5722										No	Si
2133	-1821	-31106	-5657										No	Si
2162	8225	-7147	-5116										No	Si
2191	18223	10766	-5290										No	Si
2220	33957	24680	-5461										No	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1930	-78401	-152040	-5923	SLE QP 2	-63399	-122948	-122948	1085	146.6	0.0411	28.59	0.009	Si	Si
1959	-67432	-134330	-5858	SLE QP 2	-63547	-126591	-126591	897	142.7	0.0423	29.28	0.0076	Si	Si
1988	-56463	-116621	-5793										No	Si
2017	-45493	-98912	-5727										No	Si
2046	-34524	-81202	-5662										No	Si
2075	-23555	-63493	-5597										No	Si
2104	-12586	-45784	-5532										No	Si
2133	-1616	-28075	-5466										No	Si
2162	8225	-7147	-5116										No	Si
2191	17759	9233	-5051										No	Si
2220	31291	25053	-5271										No	Si

Verifiche nodi trave colonna

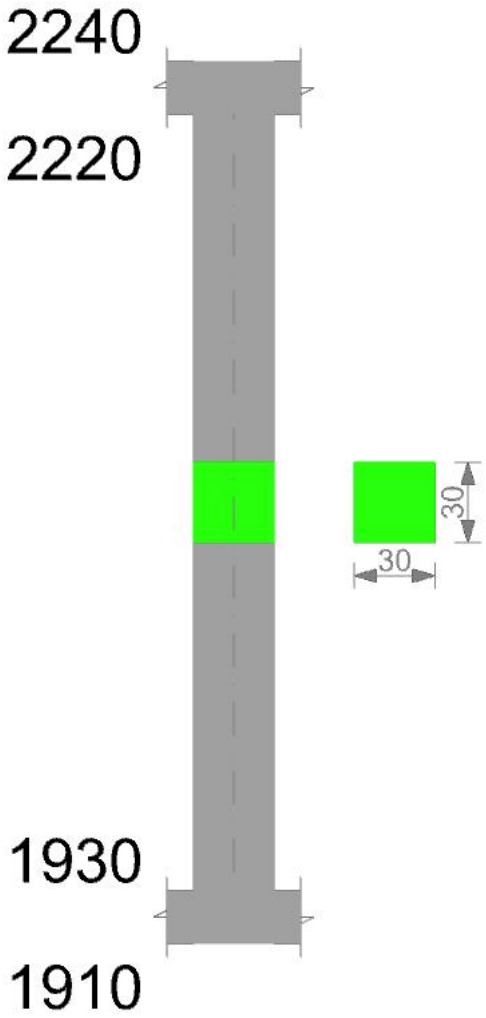
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1920 in quanto elemento di base della pilastrata.
per il nodo Appoggio 2230 in quanto nodo interno a piastra.

Pilastro H8

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1930	2220	R 30x30 1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-9.67	1.6	2.011	1920	1930	R 30x30 1	B450C
p.1	9.67	-9.67	1.6	2.011	1920	1930	R 30x30 1	B450C
p.1	9.67	9.67	1.6	2.011	1920	1930	R 30x30 1	B450C
p.1	-9.67	9.67	1.6	2.011	1920	1930	R 30x30 1	B450C
p.2	-9.67	-9.67	1.6	2.011	1920	2220	R 30x30 1	B450C
p.2	9.67	-9.67	1.6	2.011	1920	2220	R 30x30 1	B450C
p.2	9.67	9.67	1.6	2.011	1920	2220	R 30x30 1	B450C
p.2	-9.67	9.67	1.6	2.011	1920	2220	R 30x30 1	B450C
p.3	-9.9	0	1.6	2.011	1910	1930	R 30x30 1	B450C
p.3	9.9	0	1.6	2.011	1910	1930	R 30x30 1	B450C
p.4	-9.9	0	1.6	2.011	1930.1	2240	R 30x30 1	B450C
p.4	9.9	0	1.6	2.011	1930.1	2240	R 30x30 1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	13.65	2.2	0	1,2,3	-373376	248667	-28269	-659133	438980	SLU 51	1.765	Si
1959	13.64	2.7	0	1,2,3,4	-322423	206028	-28184	-681572	435524	SLU 51	2.114	Si
1988	12.06	1.3	0	2,4	-271471	163390	-28099	-656099	394886	SLU 51	2.417	Si
2017	12.06	1.3	0	2,4	-220518	120751	-28014	-661301	362115	SLU 51	2.999	Si
2046	12.06	1.3	0	2,4	-169565	78113	-27930	-646448	297796	SLU 51	3.812	Si
2075	12.06	1.3	0	2,4	-118613	55689	-27845	-558637	262284	SLU 51	4.71	Si
2104	12.06	1.3	0	2,4	-67970	-55539	-27770	-374704	-306175	SLU 52	5.513	Si
2133	12.06	1.3	0	2,4	-55370	-55370	-27685	-316346	-316346	SLU 52	5.713	Si
2162	12.06	1.3	0	2,4	55180	-92441	-27590	287211	-481152	SLU 51	5.205	Si
2191	12.06	1.3	0	2,4	85198	-135080	-27505	366888	-581696	SLU 51	4.306	Si
2220	13.56	1.8	0	2,4	136150	-177719	-27421	466069	-608364	SLU 51	3.423	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1930	13.65	2.2	0	1,2,3	-421480	340252	-16641	-2.02	1.92	-440749	355807	SLV 1	1.046				Si
1959	13.64	2.7	0	1,2,3,4	-313485	318991	-16443	-2.02	1.92	-408192	415362	SLV 5	1.302				Si
1988	12.06	1.3	0	2,4	-249707	242532	-16378	-2.02	1.92	-397213	385799	SLV 5	1.591				Si
2017	12.06	1.3	0	2,4	-185995	166125	-16313	-2.02	1.92	-423666	378405	SLV 5	2.278				Si
2046	12.06	1.3	0	2,4	-122631	89980	-16248	-2.02	1.92	-472981	347048	SLV 5	3.857				Si
2075	12.06	1.3	0	2,4	-81479	9080	-15366	-2.02	1.92	-576138	64202	SLV 13	7.071				Si
2104	12.06	1.3	0	2,4	-78132	-50555	-15301	-2.02	1.92	-468542	-303172	SLV 13	5.997				Si
2133	12.06	1.3	0	2,4	-80820	-115358	-15235	-2.02	1.92	-344204	-491296	SLV 13	4.259				Si
2162	12.06	1.3	0	2,4	133720	-164730	-15987	-2.02	1.92	368436	-453879	SLV 5	2.755				Si
2191	12.06	1.3	0	2,4	197509	-224365	-15921	-2.02	1.92	372948	-423660	SLV 5	1.888				Si
2220	13.56	1.8	0	2,4	261316	-284009	-15856	-2.02	1.92	380984	-414069	SLV 5	1.458				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	13.65	2.2	0	1,2,3	-284215	257838	-16259	-433143	392944	SLD 5	1.524	Si
1959	13.64	2.7	0	1,2,3,4	-239891	209637	-16194	-444663	388584	SLD 5	1.854	Si
1988	12.06	1.3	0	2,4	-195576	161444	-16128	-436650	360446	SLD 5	2.233	Si
2017	12.06	1.3	0	2,4	-151285	113270	-16063	-464978	348139	SLD 5	3.074	Si
2046	12.06	1.3	0	2,4	-107120	65192	-15998	-500348	304505	SLD 5	4.671	Si
2075	12.06	1.3	0	2,4	-72113	14792	-15600	-525720	107840	SLD 13	7.29	Si
2104	12.06	1.3	0	2,4	-54542	-25761	-15534	-422683	-199641	SLD 13	7.75	Si
2133	12.06	1.3	0	2,4	-39672	-68768	-15469	-269436	-467047	SLD 13	6.792	Si
2162	12.06	1.3	0	2,4	70604	-103381	-15737	335765	-491642	SLD 5	4.756	Si
2191	12.06	1.3	0	2,4	114923	-143605	-15672	368821	-460872	SLD 5	3.209	Si
2220	13.56	1.8	0	2,4	159249	-183833	-15606	382473	-441517	SLD 5	2.402	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	-1470	-28269	SLU 51	7303	22039	23813	2.5	14.99	1757	-28269	SLU 51	7247	21832	23588	2.5	12.43	Si
1959	2X/2Y Ø8/10	-1470	-28184	SLU 51	7292	22039	23802	2.5	14.99	1757	-28184	SLU 51	7236	21832	23578	2.5	12.43	Si
1988	2X/2Y Ø8/10	-1470	-28099	SLU 51	7282	22039	23791	2.5	14.99	1757	-28099	SLU 51	7226	21832	23567	2.5	12.43	Si
2017	2X/2Y Ø8/14.4	-1470	-28014	SLU 51	7271	15258	23780	2.5	10.38	1757	-28014	SLU 51	7215	15114	23556	2.5	8.6	Si
2046	2X/2Y Ø8/14.4	-1470	-27930	SLU 51	7260	15258	23769	2.5	10.38	1757	-27930	SLU 51	7205	15114	23545	2.5	8.6	Si
2075	2X/2Y Ø8/14.4	-1470	-27845	SLU 51	7250	15258	23758	2.5	10.38	1757	-27845	SLU 51	7194	15114	23534	2.5	8.6	Si
2104	2X/2Y Ø8/14.4	-1470	-27760	SLU 51	7239	15258	23747	2.5	10.38	1757	-27760	SLU 51	7184	15114	23524	2.5	8.6	Si
2133	2X/2Y Ø8/14.4	-1470	-27675	SLU 51	7229	15258	23736	2.5	10.38	1757	-27675	SLU 51	7173	15114	23513	2.5	8.6	Si
2162	2X/2Y Ø8/10	-1470	-27590	SLU 51	7218	22039	23725	2.5	14.99	1757	-27590	SLU 51	7163	21832	23502	2.5	12.43	Si
2191	2X/2Y Ø8/10	-1470	-27505	SLU 51	7208	22039	23714	2.5	14.99	1757	-27505	SLU 51	7152	21832	23491	2.5	12.43	Si
2220	2X/2Y Ø8/10	-1470	-27421	SLU 51	7197	22039	23703	2.5	14.99	1757	-27421	SLU 51	7142	21832	23480	2.5	12.43	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	-2638	-16224	SLV 9	5803	22039	22261	2.5	8.35	2541	-16641	SLV 1	5813	21832	22105	2.5	8.59	Si
1959	2X/2Y Ø8/10	-2638	-16159	SLV 9	5795	22039	22253	2.5	8.35	2541	-16576	SLV 1	5804	21832	22097	2.5	8.59	Si
1988	2X/2Y Ø8/10	-2638	-16093	SLV 9	5787	22039	22244	2.5	8.35	2541	-16511	SLV 1	5796	21832	22088	2.5	8.59	Si
2017	2X/2Y Ø8/14.4	-2638	-16028	SLV 9	5779	15258	22236	2.5	5.78	2541	-16445	SLV 1	5788	15114	22080	2.5	5.95	Si
2046	2X/2Y Ø8/14.4	-2638	-15963	SLV 9	5771	15258	22228	2.5	5.78	2541	-16380	SLV 1	5780	15114	22072	2.5	5.95	Si
2075	2X/2Y Ø8/14.4	-2638	-15898	SLV 9	5762	15258	22219	2.5	5.78	2541	-16315	SLV 1	5772	15114	22063	2.5	5.95	Si
2104	2X/2Y Ø8/14.4	-2638	-15832	SLV 9	5754	15258	22211	2.5	5.78	2541	-16250	SLV 1	5764	15114	22055	2.5	5.95	Si
2133	2X/2Y Ø8/14.4	-2638	-15767	SLV 9	5746	15258	22202	2.5	5.78	2541	-16184	SLV 1	5756	15114	22047	2.5	5.95	Si
2162	2X/2Y Ø8/10	-2638	-15702	SLV 9	5738	22039	22194	2.5	8.35	2541	-16119	SLV 1	5748	21832	22038	2.5	8.59	Si
2191	2X/2Y Ø8/10	-2638	-15637	SLV 9	5730	22039	22186	2.5	8.35	2541	-16054	SLV 1	5740	21832	22030	2.5	8.59	Si
2220	2X/2Y Ø8/10	-2638	-15571	SLV 9	5722	22039	22177	2.5	8.35	2541	-15989	SLV 1	5732	21832	22022	2.5	8.59	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	-1662	-16144	SLD 9	5793	22039	22251	2.5	13.26	1665	-16308	SLD 1	5772	21832	22063	2.5	13.11	Si
1959	2X/2Y Ø8/10	-1662	-16079	SLD 9	5785	22039	22243	2.5	13.26	1665	-16243	SLD 1	5763	21832	22054	2.5	13.11	Si
1988	2X/2Y Ø8/10	-1662	-16014	SLD 9	5777	22039	22234	2.5	13.26	1665	-16178	SLD 1	5755	21832	22046	2.5	13.11	Si
2017	2X/2Y Ø8/14.4	-1662	-15948	SLD 9	5769	15258	22226	2.5	9.18	1665	-16113	SLD 1	5747	15114	22038	2.5	9.08	Si
2046	2X/2Y Ø8/14.4	-1662	-15883	SLD 9	5761	15258	22217	2.5	9.18	1665	-16047	SLD 1	5739	15114	22029	2.5	9.08	Si
2075	2X/2Y Ø8/14.4	-1662	-15818	SLD 9	5753	15258	22209	2.5	9.18	1665	-15982	SLD 1	5731	15114	22021	2.5	9.08	Si
2104	2X/2Y Ø8/14.4	-1662	-15753	SLD 9	5744	15258	22201	2.5	9.18	1665	-15917	SLD 1	5723	15114	22013	2.5	9.08	Si
2133	2X/2Y Ø8/14.4	-1662	-15687	SLD 9	5736	15258	22192	2.5	9.18	1665	-15852	SLD 1	5715	15114	22004	2.5	9.08	Si
2162	2X/2Y Ø8/10	-1662	-15622	SLD 9	5728	22039	22184	2.5	13.26	1665	-15786	SLD 1	5707	21832	21996	2.5	13.11	Si
2191	2X/2Y Ø8/10	-1662	-15557	SLD 9	5720	22039	22175	2.5	13.26	1665	-15721	SLD 1	5699	21832	21988	2.5	13.11	Si
2220	2X/2Y Ø8/10	-1662	-15492	SLD 9	5712	22039	22167	2.5	13.26	1665	-15656	SLD 1	5691	21832	21979	2.5	13.11	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1930	-264445	175801	-20084	SLE RA 12	-134.3	-258072	170601	-18896	SLE RA 10	1366.4	Si
1959	-228342	145653	-20019	SLE RA 12	-112.2	-228342	145653	-20019	SLE RA 12	-1108	Si
1988	-192239	115504	-19954	SLE RA 12	-94.6	-192239	115504	-19954	SLE RA 12	-965	Si
2017	-156136	85356	-19889	SLE RA 12	-72.5	-156136	85356	-19889	SLE RA 12	-779.8	Si
2046	-120032	55207	-19823	SLE RA 12	-53.5	-120032	55207	-19823	SLE RA 12	-610.5	Si
2075	-83849	25188	-19765	SLE RA 13	-38.7	-83849	25188	-19765	SLE RA 13	-471.7	Si
2104	-48033	-4919	-19699	SLE RA 13	-28.2	-48033	-4919	-19699	SLE RA 13	-370.2	Si
2133	-12216	-35027	-19634	SLE RA 13	-26.7	-12216	-35027	-19634	SLE RA 13	-354.9	Si
2162	24381	-65387	-19562	SLE RA 12	-34.3	24381	-65387	-19562	SLE RA 12	-428.3	Si
2191	60484	-95535	-19497	SLE RA 12	-46.5	60484	-95535	-19497	SLE RA 12	-545.4	Si
2220	96587	-125684	-19432	SLE RA 12	-64	96587	-125684	-19432	SLE RA 12	-701.8	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1930	-206502	137253	-16081	SLE QP 2	-104.6	Si
1959	-178262	113639	-16016	SLE QP 2	-87.3	Si
1988	-150021	90024	-15951	SLE QP 2	-73.5	Si
2017	-121781	66409	-15885	SLE QP 2	-56.5	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
2046	-93540	42794	-15820	SLE QP 2	-40	Si
2075	-65300	19180	-15755	SLE QP 2	-30.4	Si
2104	-37059	-4435	-15690	SLE QP 2	-22.4	Si
2133	-8819	-28050	-15624	SLE QP 2	-21.1	Si
2162	19422	-51665	-15559	SLE QP 2	-27.2	Si
2191	47662	-75279	-15494	SLE QP 2	-36.7	Si
2220	75903	-98894	-15429	SLE QP 2	-50.4	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1930	-221237	146781	-16885	SLE FR 6	-127566	84635	84635	1128	269.7	0.0253	32.84	0.0108	Si	Si
1959	-191015	121617	-16820	SLE FR 6	-136589	86965	86965	811.6	251.2	0.0272	33.01	0.0078	Si	Si
1988	-160793	96453	-16755	SLE FR 6	-146890	88114	88114	563	227.2	0.0265	32.2	0.0053	Si	Si
2017	-130571	71289	-16689										No	Si
2046	-100349	46125	-16624										No	Si
2075	-70127	20962	-16559										No	Si
2104	-32791	-4785	-14483										No	Si
2133	-7522	-26075	-14418										No	Si
2162	17746	-47366	-14353										No	Si
2191	50761	-79694	-16298										No	Si
2220	80983	-104858	-16233										No	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1930	-206502	137253	-16081	SLE QP 2	-128232	85230	85230	1033	268.3	0.0254	32.8	0.0099	Si	Si
1959	-178262	113639	-16016	SLE QP 2	-137536	87676	87676	739.1	249.3	0.0274	32.95	0.0071	Si	Si
1988	-150021	90024	-15951	SLE QP 2	-148316	89000	89000	507.6	224.5	0.0269	32.09	0.0047	Si	Si
2017	-121781	66409	-15885										No	Si
2046	-93540	42794	-15820										No	Si
2075	-65300	19180	-15755										No	Si
2104	-32791	-4785	-14483										No	Si
2133	-7522	-26075	-14418										No	Si
2162	17746	-47366	-14353										No	Si
2191	47662	-75279	-15494										No	Si
2220	75903	-98894	-15429										No	Si

Verifiche nodi trave colonna

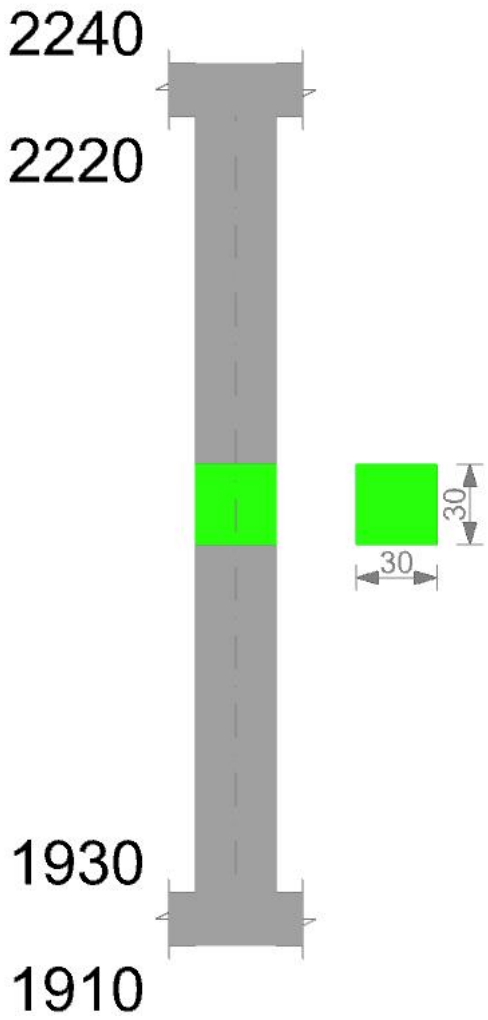
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1920 in quanto elemento di base della pilastrata.
per il nodo Appoggio 2230 in quanto nodo interno a piastra.

Pilastro H9

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1930	2220	R 30x30 1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-9.67	1.6	2.011	1920	1930	R 30x30 1	B450C
p.1	9.67	-9.67	1.6	2.011	1920	1930	R 30x30 1	B450C
p.1	9.67	9.67	1.6	2.011	1920	1930	R 30x30 1	B450C
p.1	-9.67	9.67	1.6	2.011	1920	1930	R 30x30 1	B450C
p.2	-9.67	-9.67	1.6	2.011	1930	2220	R 30x30 1	B450C
p.2	9.67	-9.67	1.6	2.011	1930	2220	R 30x30 1	B450C
p.2	9.67	9.67	1.6	2.011	1930	2220	R 30x30 1	B450C
p.2	-9.67	9.67	1.6	2.011	1930	2220	R 30x30 1	B450C
p.3	-9.9	0	1.6	2.011	1910	1930	R 30x30 1	B450C
p.3	9.9	0	1.6	2.011	1910	1930	R 30x30 1	B450C
p.4	-9.9	0	1.6	2.011	1930.1	2240	R 30x30 1	B450C
p.4	9.9	0	1.6	2.011	1930.1	2240	R 30x30 1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	12.06	2.2	0	1,2,3	-146943	-21946	-3053	-631571	-94326	SLU 49	4.298	Si
1959	12.06	2.7	0	1,2,3,4	-128140	-17991	-2968	-646382	-90752	SLU 49	5.044	Si
1988	12.06	1.3	0	2,4	-109338	-14036	-2883	-667016	-85625	SLU 49	6.101	Si
2017	12.06	1.3	0	2,4	-90535	-10080	-2798	-693389	-77204	SLU 49	7.659	Si
2046	12.06	1.3	0	2,4	-71733	-6125	-2713	-729476	-62290	SLU 49	10.169	Si
2075	12.06	1.3	0	2,4	-52930	-5257	-2629	-771574	-76636	SLU 49	14.577	Si
2104	12.06	1.3	0	2,4	-35052	5974	-2987	-809106	137901	SLU 52	23.083	Si
2133	12.06	1.3	0	2,4	-14992	6703	-3352	-575219	257182	SLU 48	38.368	Si
2162	12.06	1.3	0	2,4	6560	6560	-3280	316346	316346	SLU 47	48.226	Si
2191	12.06	1.3	0	2,4	22280	13651	-2289	652864	400006	SLU 49	29.302	Si
2220	13.56	1.8	0	2,4	41083	17606	-2204	698732	299445	SLU 49	17.008	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1930	12.06	2.2	0	1,2,3	-266147	168436	-3043	-2.02	1.92	-344940	218301	SLV 5	1.296				Si
1959	12.06	2.7	0	1,2,3,4	-222658	140146	-2978	-2.02	1.92	-350750	220771	SLV 5	1.575				Si
1988	12.06	1.3	0	2,4	-179173	111858	-2913	-2.02	1.92	-360015	224758	SLV 5	2.009				Si
2017	12.06	1.3	0	2,4	-110593	-101092	-1179	-2.02	1.92	-301768	-275843	SLV 3	2.729				Si
2046	12.06	1.3	0	2,4	-76587	-65943	-1114	-2.02	1.92	-317909	-273725	SLV 3	4.151				Si
2075	12.06	1.3	0	2,4	-38144	-32084	-796	-2.02	1.92	-336501	-283035	SLV 7	8.822				Si
2104	12.06	1.3	0	2,4	-33256	2413	-1090	-2.02	1.92	-555873	40327	SLV 11	16.715				Si
2133	12.06	1.3	0	2,4	-54703	34465	-1025	-2.02	1.92	-366433	230869	SLV 11	6.699				Si
2162	12.06	1.3	0	2,4	-76443	65608	-959	-2.02	1.92	-313724	269254	SLV 11	4.104				Si
2191	12.06	1.3	0	2,4	141794	42382	-1364	-2.02	1.92	394930	118044	SLV 1	2.785				Si
2220	13.56	1.8	0	2,4	168829	-114492	-2391	-2.02	1.92	361681	-245276	SLV 5	2.142				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	12.06	2.2	0	1,2,3	-168240	72426	-2623	-392347	168902	SLD 5	2.332	Si
1959	12.06	2.7	0	1,2,3,4	-142317	60318	-2558	-401870	170325	SLD 5	2.824	Si
1988	12.06	1.3	0	2,4	-116396	48211	-2492	-416604	172558	SLD 5	3.579	Si
2017	12.06	1.3	0	2,4	-94221	-19561	-1917	-456260	-94725	SLD 1	4.842	Si
2046	12.06	1.3	0	2,4	-56205	-31616	-1584	-410712	-231029	SLD 3	7.307	Si
2075	12.06	1.3	0	2,4	-33637	-14764	-1405	-497463	-218349	SLD 7	14.789	Si
2104	12.06	1.3	0	2,4	-26288	-1279	-2020	-680362	-33099	SLD 15	25.881	Si
2133	12.06	1.3	0	2,4	-29574	17166	-1445	-479621	278388	SLD 11	16.218	Si
2162	12.06	1.3	0	2,4	-33766	32139	-1380	-369186	351396	SLD 11	10.934	Si
2191	12.06	1.3	0	2,4	70547	23168	-1525	435389	142987	SLD 1	6.172	Si
2220	13.56	1.8	0	2,4	98003	30284	-1460	437431	135172	SLD 1	4.463	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	143	-2504	SLU 24	4095	20717	21413	2.35	145.12	660	-3509	SLU 51	4193	20959	21034	2.4	31.76	Si
1959	2X/2Y Ø8/10	143	-2438	SLU 24	4087	20717	21404	2.35	145.12	660	-3424	SLU 51	4183	20959	21023	2.4	31.76	Si
1988	2X/2Y Ø8/10	143	-2373	SLU 24	4079	20717	21396	2.35	145.12	648	-2883	SLU 49	4116	20522	21262	2.35	31.65	Si
2017	2X/2Y Ø8/14.4	143	-2308	SLU 24	4071	15258	20469	2.5	106.88	660	-3255	SLU 51	4162	15114	20397	2.5	22.9	Si
2046	2X/2Y Ø8/14.4	143	-2243	SLU 24	4062	15258	20461	2.5	106.88	660	-3170	SLU 51	4151	15114	20386	2.5	22.9	Si
2075	2X/2Y Ø8/14.4	143	-2177	SLU 24	4054	15258	20452	2.5	106.88	660	-3085	SLU 51	4141	15114	20375	2.5	22.9	Si
2104	2X/2Y Ø8/14.4	143	-2112	SLU 24	4046	15258	20444	2.5	106.88	660	-3000	SLU 51	4130	15114	20365	2.5	22.9	Si
2133	2X/2Y Ø8/14.4	143	-2047	SLU 24	4038	15258	20435	2.5	106.88	660	-2915	SLU 51	4120	15114	20354	2.5	22.9	Si
2162	2X/2Y Ø8/10	143	-1982	SLU 24	4030	20717	21343	2.35	145.12	660	-2831	SLU 51	4109	20522	21255	2.35	31.09	Si
2191	2X/2Y Ø8/10	143	-1916	SLU 24	4022	20717	21334	2.35	145.12	660	-2746	SLU 51	4099	20522	21244	2.35	31.09	Si
2220	2X/2Y Ø8/10	143	-1851	SLU 24	4014	20717	21325	2.35	145.12	660	-2661	SLU 51	4088	20522	21233	2.35	31.09	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	1546	-1122	SLV 7	3923	20717	21227	2.35	13.4	1660	-1951	SLV 1	4001	20522	21138	2.35	12.36	Si
1959	2X/2Y Ø8/10	1546	-1057	SLV 7	3915	20717	21218	2.35	13.4	1660	-1886	SLV 1	3993	20522	21129	2.35	12.36	Si
1988	2X/2Y Ø8/10	1546	-991	SLV 7	3907	20717	21210	2.35	13.4	1660	-1821	SLV 1	3985	20522	21121	2.35	12.36	Si
2017	2X/2Y Ø8/14.4	1546	-926	SLV 7	3899	15258	20291	2.5	9.87	1660	-1755	SLV 1	3977	15114	20206	2.5	9.1	Si
2046	2X/2Y Ø8/14.4	1546	-861	SLV 7	3890	15258	20283	2.5	9.87	1660	-1690	SLV 1	3969	15114	20198	2.5	9.1	Si
2075	2X/2Y Ø8/14.4	1546	-796	SLV 7	3882	15258	20274	2.5	9.87	1660	-1625	SLV 1	3961	15114	20189	2.5	9.1	Si
2104	2X/2Y Ø8/14.4	1546	-730	SLV 7	3874	15258	20266	2.5	9.87	1660	-1560	SLV 1	3953	15114	20181	2.5	9.1	Si
2133	2X/2Y Ø8/14.4	1546	-665	SLV 7	3866	15258	20257	2.5	9.87	1660	-1494	SLV 1	3945	15114	20173	2.5	9.1	Si
2162	2X/2Y Ø8/10	1546	-600	SLV 7	3858	20717	21157	2.35	13.4	1660	-1429	SLV 1	3936	20522	21068	2.35	12.36	Si
2191	2X/2Y Ø8/10	1546	-535	SLV 7	3850	20717	21148	2.35	13.4	1660	-1364	SLV 1	3928	20522	21060	2.35	12.36	Si
2220	2X/2Y Ø8/10	1546	-469	SLV 7	3842	20717	21139	2.35	13.4	1660	-1299	SLV 1	3920	20522	21051	2.35	12.36	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	738	-1732	SLD 7	3999	22039	20395	2.5	27.63	947	-2113	SLD 1	4021	21832	20251	2.5	21.39	Si
1959	2X/2Y Ø8/10	738	-1666	SLD 7	3991	22039	20386	2.5	27.62	947	-2047	SLD 1	4013	21832	20243	2.5	21.38	Si
1988	2X/2Y Ø8/10	738	-1601	SLD 7	3983	22039	20378	2.5	27.61	947	-1982	SLD 1	4005	21832	20235	2.5	21.37	Si
2017	2X/2Y Ø8/14.4	738	-1536	SLD 7	3974	15258	20370	2.5	20.67	947	-1917	SLD 1	3997	15114	20226	2.5	15.96	Si
2046	2X/2Y Ø8/14.4	738	-1471	SLD 7	3966	15258	20361	2.5	20.67	947	-1852	SLD 1	3989	15114	20218	2.5	15.96	Si
2075	2X/2Y Ø8/14.4	738	-1405	SLD 7	3958	15258	20353	2.5	20.67	947	-1786	SLD 1	3981	15114	20210	2.5	15.96	Si
2104	2X/2Y Ø8/14.4	738	-1340	SLD 7	3950	15258	20344	2.5	20.67	947	-1721	SLD 1	3972	15114	20201	2.5	15.96	Si
2133	2X/2Y Ø8/14.4	738	-1275	SLD 7	3942	15258	20336	2.5	20.67	947	-1656	SLD 1	3964	15114	20193	2.5	15.96	Si
2162	2X/2Y Ø8/10	738	-1210	SLD 7	3934	22039	20327	2.5	27.54	947	-1591	SLD 1	3956	21832	20185	2.5	21.32	Si
2191	2X/2Y Ø8/10	738	-1144	SLD 7	3926	22039	20319	2.5	27.53	947	-1525	SLD 1	3948	21832	20176	2.5	21.31	Si
2220	2X/2Y Ø8/10	738	-1079	SLD 7	3918	22039	20311	2.5	27.51	947	-1460	SLD 1	3940	21832	20168	2.5	21.3	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²

Tensione limite dell'acciaio 3600 daN/cm²

Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1930	-104584	-14020	-2273	SLE RA 10	-41.6	-104584	-14020	-2273	SLE RA 10	842.5	Si
1959	-91179	-11447	-2208	SLE RA 10	-35.9	-91179	-11447	-2208	SLE RA 10	710.9	Si
1988	-79226	-7776	-2447	SLE RA 12	-30.2	-77774	-8874	-2143	SLE RA 10	579.3	Si
2017	-65596	-5551	-2382	SLE RA 12	-15.7	-65596	-5551	-2382	SLE RA 12	-163.3	Si
2046	-51966	-3326	-2317	SLE RA 12	-12.6	-51966	-3326	-2317	SLE RA 12	-133.5	Si
2075	-38337	-1101	-2251	SLE RA 12	-9.6	-38337	-1101	-2251	SLE RA 12	-103.7	Si
2104	-24707	1124	-2186	SLE RA 12	-6.9	-23054	634	-2486	SLE RA 8	-78	Si
2133	-11314	3286	-2112	SLE RA 13	-4.7	-10527	1962	-2412	SLE RA 9	-56.2	Si
2162	2553	5573	-2056	SLE RA 12	-3.4	2472	3414	-2355	SLE RA 8	-43.1	Si
2191	16182	7798	-1990	SLE RA 12	-6.3	16182	7798	-1990	SLE RA 12	-70.8	Si
2220	29812	10023	-1925	SLE RA 12	-9.1	29812	10023	-1925	SLE RA 12	-97.4	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²

Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1930	-84159	-7655	-2262	SLE QP 2	-32	Si
1959	-73300	-6217	-2197	SLE QP 2	-17.1	Si
1988	-62441	-4780	-2132	SLE QP 2	-14.7	Si
2017	-51583	-3343	-2067	SLE QP 2	-12.3	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
2046	-40724	-1906	-2001	SLE QP 2	-9.9	Si
2075	-29865	-469	-1936	SLE QP 2	-7.6	Si
2104	-19007	969	-1871	SLE QP 2	-5.5	Si
2133	-8148	2406	-1806	SLE QP 2	-3.6	Si
2162	2711	3843	-1740	SLE QP 2	-2.8	Si
2191	13569	5280	-1675	SLE QP 2	-5.1	Si
2220	24428	6717	-1610	SLE QP 2	-7.2	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

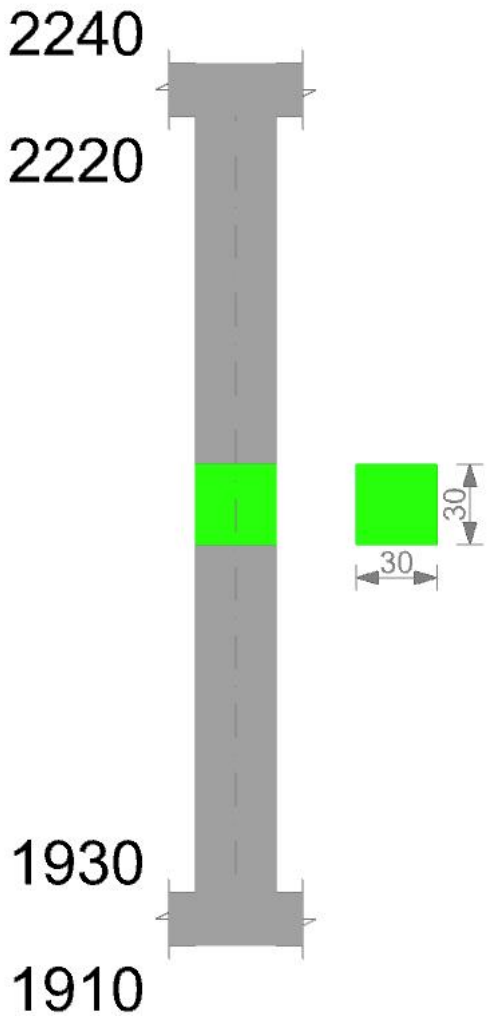
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata per il nodo Appoggio 2230 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto elemento di base della pilastrata.

Pilastro H10

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1930	2220	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-9.67	1.6	2.011	1920	1930	R 30x30_1	B450C
p.1	9.67	-9.67	1.6	2.011	1920	1930	R 30x30_1	B450C
p.1	9.67	9.67	1.6	2.011	1920	1930	R 30x30_1	B450C
p.1	-9.67	9.67	1.6	2.011	1920	1930	R 30x30_1	B450C
p.2	-9.67	-9.67	1.6	2.011	1930	2220	R 30x30_1	B450C
p.2	9.67	-9.67	1.6	2.011	1930	2220	R 30x30_1	B450C
p.2	9.67	9.67	1.6	2.011	1930	2220	R 30x30_1	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.2	-9.67	9.67	1.6	2.011	1930	2220	R 30x30_1	B450C
p.3	-9.9	0	1.6	2.011	1910	1930	R 30x30_1	B450C
p.3	9.9	0	1.6	2.011	1910	1930	R 30x30_1	B450C
p.4	-9.9	0	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.4	9.9	0	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.3	0	-9.9	1.6	2.011	1910	1930	R 30x30_1	B450C
p.3	0	9.9	1.6	2.011	1910	1930	R 30x30_1	B450C
p.4	0	-9.9	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.4	0	9.9	1.6	2.011	1930.1	2240	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	16.08	2.7	0	1,2,3	289130	-212192	-5651	590493	-433362	SLU 52	2.042	Si
1959	16.07	3.6	0	1,2,3,4	241993	-193367	-5567	576539	-460690	SLU 52	2.382	Si
1988	16.08	1.8	0	2,4	194029	-174212	-5482	557392	-500463	SLU 52	2.873	Si
2017	16.08	1.8	0	2,4	146066	-155057	-5398	526042	-558424	SLU 52	3.601	Si
2046	16.08	1.8	0	2,4	98102	-135902	-5313	464141	-642981	SLU 52	4.731	Si
2075	16.08	1.8	0	2,4	52457	-114248	-4846	347761	-757402	SLU 50	6.629	Si
2104	16.08	1.8	0	2,4	10286	-97592	-5143	101323	-961308	SLU 52	9.85	Si
2133	16.08	1.8	0	2,4	-45747	-78514	-5058	-426005	-731142	SLU 51	9.312	Si
2162	16.08	1.8	0	2,4	-93752	-59282	-4974	-696195	-440222	SLU 52	7.426	Si
2191	16.08	1.8	0	2,4	-141716	-40127	-4889	-817686	-231528	SLU 52	5.77	Si
2220	19.08	2.7	0	2,4	-189680	-20972	-4804	-933941	-103262	SLU 52	4.924	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1930	16.08	2.7	0	1,2,3	256805	-376628	-4745	-2.02	1.92	291959	-428185	SLV 11	1.137				Si
1959	16.07	3.6	0	1,2,3,4	214522	-324435	-4681	-2.02	1.92	290150	-438812	SLV 11	1.353				Si
1988	16.08	1.8	0	2,4	171578	-271334	-4615	-2.02	1.92	287745	-455040	SLV 11	1.677				Si
2017	16.08	1.8	0	2,4	128796	-218252	-4550	-2.02	1.92	283404	-480242	SLV 11	2.2				Si
2046	16.08	1.8	0	2,4	86402	-165214	-4485	-2.02	1.92	274747	-525360	SLV 11	3.18				Si
2075	16.08	1.8	0	2,4	45311	-112359	-4420	-2.02	1.92	243301	-603328	SLV 11	5.37				Si
2104	16.08	1.8	0	2,4	-11604	-62065	-3394	-2.02	1.92	-132549	-708940	SLV 13	11.422				Si
2133	16.08	1.8	0	2,4	-49555	-81812	-2089	-2.02	1.92	-298389	-492626	SLV 9	6.021				Si
2162	16.08	1.8	0	2,4	-72246	-111413	-2023	-2.02	1.92	-294842	-454685	SLV 9	4.081				Si
2191	16.08	1.8	0	2,4	-139982	-112675	-3198	-2.02	1.92	-428063	-344558	SLV 13	3.058				Si
2220	19.08	2.7	0	2,4	-185066	-132255	-3133	-2.02	1.92	-492474	-351939	SLV 13	2.661				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	16.08	2.7	0	1,2,3	202408	-241852	-4038	337277	-403003	SLD 11	1.666	Si
1959	16.07	3.6	0	1,2,3,4	169161	-211468	-3974	333869	-417370	SLD 11	1.974	Si
1988	16.08	1.8	0	2,4	135367	-180554	-3909	329093	-438948	SLD 11	2.431	Si
2017	16.08	1.8	0	2,4	101646	-149647	-3843	320107	-471275	SLD 11	3.149	Si
2046	16.08	1.8	0	2,4	68095	-118758	-3778	302492	-527544	SLD 11	4.442	Si
2075	16.08	1.8	0	2,4	35094	-87938	-3713	241823	-605959	SLD 11	6.891	Si
2104	16.08	1.8	0	2,4	-5184	-58050	-3206	-68129	-762855	SLD 13	13.141	Si
2133	16.08	1.8	0	2,4	-36665	-61112	-2575	-317621	-529400	SLD 9	8.663	Si
2162	16.08	1.8	0	2,4	-74957	-60544	-3075	-466366	-376692	SLD 13	6.222	Si
2191	16.08	1.8	0	2,4	-106517	-63547	-3010	-505798	-301756	SLD 13	4.749	Si
2220	19.08	2.7	0	2,4	-141322	-66592	-2945	-584922	-275620	SLD 13	4.139	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	661	-5651	SLU 52	4487	21158	21518	2.4	32.03	-1654	-5651	SLU 52	4487	21158	21518	2.4	12.79	Si
1959	2X/2Y Ø8/10	661	-5567	SLU 52	4476	21158	21507	2.4	32.03	-1654	-5567	SLU 52	4476	21158	21507	2.4	12.79	Si
1988	2X/2Y Ø8/10	661	-5482	SLU 52	4466	21158	21495	2.4	32.03	-1654	-5482	SLU 52	4466	21158	21495	2.4	12.79	Si
2017	2X/2Y Ø8/14.4	661	-5398	SLU 52	4455	15258	20867	2.5	23.1	-1654	-5398	SLU 52	4455	15258	20867	2.5	9.23	Si
2046	2X/2Y Ø8/14.4	661	-5313	SLU 52	4445	15258	20856	2.5	23.1	-1654	-5313	SLU 52	4445	15258	20856	2.5	9.23	Si
2075	2X/2Y Ø8/14.4	661	-5228	SLU 52	4434	15258	20845	2.5	23.1	-1654	-5228	SLU 52	4434	15258	20845	2.5	9.23	Si
2104	2X/2Y Ø8/14.4	661	-5143	SLU 52	4424	15258	20834	2.5	23.1	-1654	-5143	SLU 52	4424	15258	20834	2.5	9.23	Si
2133	2X/2Y Ø8/14.4	661	-5058	SLU 52	4413	15258	20823	2.5	23.1	-1654	-5058	SLU 52	4413	15258	20823	2.5	9.23	Si
2162	2X/2Y Ø8/10	661	-4974	SLU 52	4402	21158	21428	2.4	32.03	-1654	-4974	SLU 52	4402	21158	21428	2.4	12.79	Si
2191	2X/2Y Ø8/10	661	-4889	SLU 52	4392	21158	21417	2.4	32.03	-1654	-4889	SLU 52	4392	21158	21417	2.4	12.79	Si
2220	2X/2Y Ø8/10	661	-4804	SLU 52	4381	21158	21406	2.4	32.03	-1654	-4804	SLU 52	4381	21158	21406	2.4	12.79	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	1832	-4342	SLV 7	4324	21158	21344	2.4	11.55	-1756	-4444	SLV 15	4337	21158	21358	2.4	12.05	Si
1959	2X/2Y Ø8/10	1832	-4278	SLV 7	4316	21158	21336	2.4	11.55	-1756	-4380	SLV 15	4329	21158	21349	2.4	12.05	Si
1988	2X/2Y Ø8/10	1832	-4213	SLV 7	4308	21158	21327	2.4	11.55	-1756	-4315	SLV 15	4320	21158	21341	2.4	12.05	Si
2017	2X/2Y Ø8/14.4	1832	-4148	SLV 7	4300	15258	20706	2.5	8.33	-1756	-4249	SLV 15	4312	15258	20719	2.5	8.69	Si
2046	2X/2Y Ø8/14.4	1832	-4082	SLV 7	4291	15258	20697	2.5	8.33	-1756	-4184	SLV 15	4304	15258	20711	2.5	8.69	Si
2075	2X/2Y Ø8/14.4	1832	-4017	SLV 7	4283	15258	20689	2.5	8.33	-1756	-4119	SLV 15	4296	15258	20702	2.5	8.69	Si
2104	2X/2Y Ø8/14.4	1832	-3952	SLV 7	4275	15258	20681	2.5	8.33	-1756	-4054	SLV 15	4288	15258	20694	2.5	8.69	Si
2133	2X/2Y Ø8/14.4	1832	-3887	SLV 7	4267	15258	20672	2.5	8.33	-1756	-3988	SLV 15	4280	15258	20685	2.5	8.69	Si
2162	2X/2Y Ø8/10	1832	-3821	SLV 7	4259	21158	21275	2.4	11.55	-1756	-3923	SLV 15	4272	21158	21289	2.4	12.05	Si
2191	2X/2Y Ø8/10	1832	-3756	SLV 7	4251	21158	21267	2.4	11.55	-1756	-3858	SLV 15	4264	21158	21280	2.4	12.05	Si
2220	2X/2Y Ø8/10	1832	-3691	SLV 7	4243	21158	21258	2.4	11.55	-1756	-3793	SLV 15	4255	21158	21271	2.4	12.05	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	1066	-3856	SLD 7	4263	22039	20668	2.5	19.38	-1285	-3898	SLD 15	4269	22039	20674	2.5	16.09	Si
1959	2X/2Y Ø8/10	1066	-3792	SLD 7	4255	22039	20660	2.5	19.37	-1285	-3834	SLD 15	4261	22039	20666	2.5	16.09	Si
1988	2X/2Y Ø8/10	1066	-3726	SLD 7	4247	22039	20652	2.5	19.37	-1285	-3769	SLD 15	4252	22039	20657	2.5	16.08	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
2017	2X/2Y Ø8/14.4	1066	-3661	SLD 7	4239	15258	20643	2.5	14.31	-1285	-3704	SLD 15	4244	15258	20649	2.5	11.88	Si
2046	2X/2Y Ø8/14.4	1066	-3596	SLD 7	4231	15258	20635	2.5	14.31	-1285	-3639	SLD 15	4236	15258	20640	2.5	11.88	Si
2075	2X/2Y Ø8/14.4	1066	-3531	SLD 7	4223	15258	20626	2.5	14.31	-1285	-3573	SLD 15	4228	15258	20632	2.5	11.88	Si
2104	2X/2Y Ø8/14.4	1066	-3465	SLD 7	4215	15258	20618	2.5	14.31	-1285	-3508	SLD 15	4220	15258	20624	2.5	11.88	Si
2133	2X/2Y Ø8/14.4	1066	-3400	SLD 7	4207	15258	20610	2.5	14.31	-1285	-3443	SLD 15	4212	15258	20615	2.5	11.88	Si
2162	2X/2Y Ø8/10	1066	-3335	SLD 7	4198	22039	20601	2.5	19.32	-1285	-3378	SLD 15	4204	22039	20607	2.5	16.04	Si
2191	2X/2Y Ø8/10	1066	-3270	SLD 7	4190	22039	20593	2.5	19.31	-1285	-3312	SLD 15	4196	22039	20598	2.5	16.03	Si
2220	2X/2Y Ø8/10	1066	-3204	SLD 7	4182	22039	20584	2.5	19.3	-1285	-3247	SLD 15	4187	22039	20590	2.5	16.03	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1930	204501	-151937	-4071	SLE RA 13	-112.3	204501	-151937	-4071	SLE RA 13	1796.1	Si
1959	171129	-138369	-4007	SLE RA 13	-97.5	171129	-138369	-4007	SLE RA 13	1520.8	Si
1988	137172	-124564	-3941	SLE RA 13	-82.2	137172	-124564	-3941	SLE RA 13	1241.3	Si
2017	103214	-110758	-3876	SLE RA 13	-66.8	103187	-107835	-3621	SLE RA 11	968.5	Si
2046	69257	-96952	-3811	SLE RA 13	-51.3	70016	-94658	-3556	SLE RA 11	712.2	Si
2075	36845	-81480	-3491	SLE RA 11	-35.9	36845	-81480	-3491	SLE RA 11	475.4	Si
2104	3673	-68303	-3426	SLE RA 11	-15.8	1341	-69341	-3680	SLE RA 13	-170	Si
2133	-32588	-55587	-3615	SLE RA 12	-18.8	-32588	-55587	-3615	SLE RA 12	-198.5	Si
2162	-66574	-41730	-3550	SLE RA 13	-32.7	-66574	-41730	-3550	SLE RA 13	395.1	Si
2191	-100531	-27924	-3485	SLE RA 13	-38.8	-100531	-27924	-3485	SLE RA 13	569	Si
2220	-134489	-14119	-3419	SLE RA 13	-41.1	-134489	-14119	-3419	SLE RA 13	662.7	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1930	162002	-124398	-3443	SLE QP 2	-90.2	Si
1959	135367	-112995	-3379	SLE QP 2	-78.2	Si
1988	108265	-101393	-3314	SLE QP 2	-65.8	Si
2017	81164	-89791	-3249	SLE QP 2	-53.3	Si
2046	54062	-78188	-3183	SLE QP 2	-40.7	Si
2075	26960	-66586	-3118	SLE QP 2	-28.2	Si
2104	-142	-54983	-3053	SLE QP 2	-12.4	Si
2133	-27244	-43381	-2988	SLE QP 2	-15.1	Si
2162	-54346	-31779	-2922	SLE QP 2	-17.8	Si
2191	-81448	-20176	-2857	SLE QP 2	-30.6	Si
2220	-108549	-8574	-2792	SLE QP 2	-32.2	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1930	173300	-130784	-3550	SLE FR 6	100457	-75812	-75812	1525.6	350.8	0.0287	32.07	0.0142	Si	Si
1959	144985	-118957	-3486	SLE FR 6	97598	-80077	-80077	1291.3	352.7	0.0285	32.96	0.0124	Si	Si
1988	116175	-106923	-3420	SLE FR 6	93586	-86133	-86133	1053.5	352.8	0.0285	32.44	0.01	Si	Si
2017	87364	-94889	-3355										No	Si
2046	58553	-82854	-3290										No	Si
2075	29742	-70820	-3225										No	Si
2104	931	-58786	-3159										No	Si
2133	-27880	-46751	-3094										No	Si
2162	-56691	-34717	-3029										No	Si
2191	-85502	-22683	-2964										No	Si
2220	-114312	-10648	-2898										No	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1930	162002	-124398	-3443	SLE QP 2	99889	-76703	-76703	1428.5	351.3	0.0286	32.12	0.0134	Si	Si
1959	135367	-112995	-3379	SLE QP 2	97045	-81006	-81006	1207.2	352.8	0.0285	32.99	0.0116	Si	Si
1988	108265	-101393	-3314	SLE QP 2	93042	-87136	-87136	982.7	352.3	0.0285	32.44	0.0093	Si	Si
2017	81164	-89791	-3249										No	Si
2046	54062	-78188	-3183										No	Si
2075	26960	-66586	-3118										No	Si
2104	-142	-54983	-3053										No	Si
2133	-27244	-43381	-2988										No	Si
2162	-54346	-31779	-2922										No	Si
2191	-81448	-20176	-2857										No	Si
2220	-108549	-8574	-2792										No	Si

Verifiche nodi trave colonna

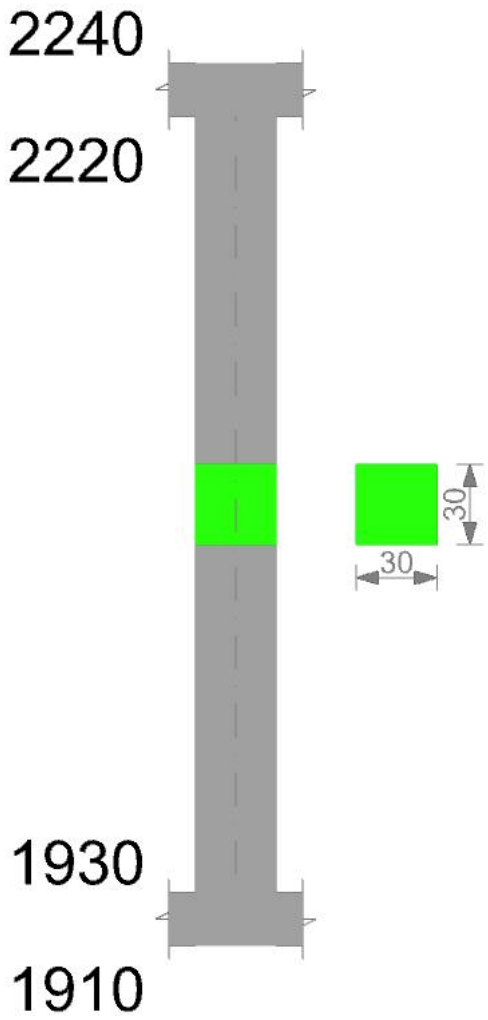
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 2230 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto elemento di base della pilastrata.

Pilastro H11

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1930	2220	R 30x30 1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-9.67	1.6	2.011	1920	1930	R 30x30 1	B450C
p.1	9.67	-9.67	1.6	2.011	1920	1930	R 30x30 1	B450C
p.1	9.67	9.67	1.6	2.011	1920	1930	R 30x30 1	B450C
p.1	-9.67	9.67	1.6	2.011	1920	1930	R 30x30 1	B450C
p.2	-9.67	-9.67	1.6	2.011	1930	2220	R 30x30 1	B450C
p.2	9.67	-9.67	1.6	2.011	1930	2220	R 30x30 1	B450C
p.2	9.67	9.67	1.6	2.011	1930	2220	R 30x30 1	B450C
p.2	-9.67	9.67	1.6	2.011	1930	2220	R 30x30 1	B450C
p.3	-9.9	0	1.6	2.011	1910	1930	R 30x30 1	B450C
p.3	9.9	0	1.6	2.011	1910	1930	R 30x30 1	B450C
p.4	-9.9	0	1.6	2.011	1930.1	2240	R 30x30 1	B450C
p.4	9.9	0	1.6	2.011	1930.1	2240	R 30x30 1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	12.06	2.2	0	1,2,3	258137	19500	-1501	557080	42083	SLU 52	2.158	Si
1959	12.06	2.7	0	1,2,3,4	217267	20478	-1418	560131	52794	SLU 52	2.578	Si
1988	12.06	1.3	0	2,4	174642	20015	-1194	560957	64289	SLU 50	3.212	Si
2017	12.06	1.3	0	2,4	134077	21179	-1109	564926	89236	SLU 50	4.213	Si
2046	12.06	1.3	0	2,4	93512	22343	-1024	565143	135029	SLU 50	6.044	Si
2075	12.06	1.3	0	2,4	52947	23506	-939	550810	244539	SLU 50	10.403	Si
2104	12.06	1.3	0	2,4	12382	24670	-854	320689	638965	SLU 50	25.9	Si
2133	12.06	1.3	0	2,4	-35808	24946	-1060	-531414	370225	SLU 48	14.841	Si
2162	12.06	1.3	0	2,4	-73839	27443	-824	-539728	200598	SLU 52	7.31	Si
2191	12.06	1.3	0	2,4	-115425	28438	-739	-544149	134066	SLU 52	4.714	Si
2220	13.56	1.8	0	2,4	-157012	29433	-654	-588801	110376	SLU 52	3.75	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1930	12.06	2.2	0	1,2,3	261682	-238006	-187	-2.02	1.92	282150	-256622	SLV 11	1.078				Si
1959	12.06	2.7	0	1,2,3,4	218411	-199337	-123	-2.02	1.92	281380	-256807	SLV 11	1.288				Si
1988	12.06	1.3	0	2,4	174387	-129315	-57	-2.02	1.92	302109	-224026	SLV 11	1.732				Si
2017	12.06	1.3	0	2,4	130377	-80888	8	-2.02	1.92	317011	-196680	SLV 11	2.432				Si
2046	12.06	1.3	0	2,4	75982	85102	-551	-2.02	1.92	269440	301781	SLV 13	3.546				Si
2075	12.06	1.3	0	2,4	38992	56975	-486	-2.02	1.92	240874	351969	SLV 13	6.178				Si
2104	12.06	1.3	0	2,4	8269	35467	-1249	-2.02	1.92	146620	628862	SLV 9	17.731				Si
2133	12.06	1.3	0	2,4	-46156	39989	269	-2.02	1.92	-274746	238036	SLV 11	5.953				Si
2162	12.06	1.3	0	2,4	-90083	77585	334	-2.02	1.92	-279331	240577	SLV 11	3.101				Si
2191	12.06	1.3	0	2,4	-134081	116607	399	-2.02	1.92	-279737	243280	SLV 11	2.086				Si
2220	13.56	1.8	0	2,4	-178100	155836	465	-2.02	1.92	-296096	259082	SLV 11	1.663				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	12.06	2.2	0	1,2,3	197241	-104104	-635	338315	-178563	SLD 11	1.715	Si
1959	12.06	2.7	0	1,2,3,4	165029	-85811	-570	340002	-176792	SLD 11	2.06	Si
1988	12.06	1.3	0	2,4	132256	-52810	-505	359248	-143448	SLD 11	2.716	Si
2017	12.06	1.3	0	2,4	90180	59693	-739	331931	219714	SLD 13	3.681	Si
2046	12.06	1.3	0	2,4	61129	46711	-674	323908	247511	SLD 13	5.299	Si
2075	12.06	1.3	0	2,4	32132	33815	-609	300046	315764	SLD 13	9.338	Si
2104	12.06	1.3	0	2,4	5877	23745	-942	160685	649211	SLD 9	27.341	Si
2133	12.06	1.3	0	2,4	-31823	27166	-179	-299085	255317	SLD 11	9.398	Si
2162	12.06	1.3	0	2,4	-64547	45103	-114	-310993	217308	SLD 11	4.818	Si
2191	12.06	1.3	0	2,4	-97308	63586	-48	-313948	205151	SLD 11	3.226	Si
2220	13.56	1.8	0	2,4	-130079	82153	17	-332034	209700	SLD 11	2.553	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	40	-1362	SLU 50	3953	20717	21260	2.35	516.23	-1434	-1501	SLU 52	3945	20522	21078	2.35	14.31	Si
1959	2X/2Y Ø8/10	40	-1279	SLU 50	3942	20717	21248	2.35	516.23	-1434	-1418	SLU 52	3935	20522	21067	2.35	14.31	Si
1988	2X/2Y Ø8/10	40	-1194	SLU 50	3932	20717	21237	2.35	516.23	-1434	-1333	SLU 52	3925	20522	21056	2.35	14.31	Si
2017	2X/2Y Ø8/14.4	40	-1109	SLU 50	3921	15258	20315	2.5	380.2	-1434	-1248	SLU 52	3914	15114	20141	2.5	10.54	Si
2046	2X/2Y Ø8/14.4	40	-1024	SLU 50	3911	15258	20304	2.5	380.2	-1434	-1163	SLU 52	3904	15114	20130	2.5	10.54	Si
2075	2X/2Y Ø8/14.4	40	-939	SLU 50	3900	15258	20293	2.5	380.2	-1434	-1078	SLU 52	3893	15114	20119	2.5	10.54	Si
2104	2X/2Y Ø8/14.4	40	-854	SLU 50	3890	15258	20282	2.5	380.2	-1434	-994	SLU 52	3883	15114	20109	2.5	10.54	Si
2133	2X/2Y Ø8/14.4	40	-770	SLU 50	3879	15258	20271	2.5	380.2	-1434	-909	SLU 52	3872	15114	20098	2.5	10.54	Si
2162	2X/2Y Ø8/10	40	-685	SLU 50	3868	20717	21168	2.35	516.23	-1434	-824	SLU 52	3862	20522	20988	2.35	14.31	Si
2191	2X/2Y Ø8/10	40	-600	SLU 50	3858	20717	21157	2.35	516.23	-1434	-739	SLU 52	3851	20522	20976	2.35	14.31	Si
2220	2X/2Y Ø8/10	40	-515	SLU 50	3847	20717	21146	2.35	516.23	-1434	-654	SLU 52	3841	20522	20965	2.35	14.31	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	1358	-187	SLV 11	3806	20717	21101	2.35	15.25	-1598	-375	SLV 15	3807	20522	20928	2.35	12.84	Si
1959	2X/2Y Ø8/10	1358	-123	SLV 11	3798	20717	21093	2.35	15.25	-1598	-311	SLV 15	3799	20522	20919	2.35	12.84	Si
1988	2X/2Y Ø8/10	1358	-57	SLV 11	3790	20717	21084	2.35	15.25	-1598	-246	SLV 15	3791	20522	20911	2.35	12.84	Si
2017	2X/2Y Ø8/14.4	1358	8	SLV 11	3783	15258	20172	2.5	11.23	-1598	-181	SLV 15	3783	15114	20005	2.5	9.46	Si
2046	2X/2Y Ø8/14.4	1358	73	SLV 11	3783	15258	20172	2.5	11.23	-1598	-116	SLV 15	3774	15114	19997	2.5	9.46	Si
2075	2X/2Y Ø8/14.4	1358	138	SLV 11	3783	15258	20172	2.5	11.23	-1598	-50	SLV 15	3766	15114	19988	2.5	9.46	Si
2104	2X/2Y Ø8/14.4	1358	204	SLV 11	3783	15258	20172	2.5	11.23	-1598	15	SLV 15	3760	15114	19982	2.5	9.46	Si
2133	2X/2Y Ø8/14.4	1358	269	SLV 11	3783	15258	20172	2.5	11.23	-1598	80	SLV 15	3760	15114	19982	2.5	9.46	Si
2162	2X/2Y Ø8/10	1358	334	SLV 11	3783	20717	21076	2.35	15.25	-1598	145	SLV 15	3760	20522	20878	2.35	12.84	Si
2191	2X/2Y Ø8/10	1358	399	SLV 11	3783	20717	21076	2.35	15.25	-1598	211	SLV 15	3760	20522	20878	2.35	12.84	Si
2220	2X/2Y Ø8/10	1358	465	SLV 11	3783	20717	21076	2.35	15.25	-1598	276	SLV 15	3760	20522	20878	2.35	12.84	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	2X/2Y Ø8/10	642	-635	SLD 11	3862	22039	20253	2.5	31.52	-1152	-724	SLD 15	3850	21832	20074	2.5	17.42	Si
1959	2X/2Y Ø8/10	642	-570	SLD 11	3854	22039	20245	2.5	31.51	-1152	-660	SLD 15	3842	21832	20066	2.5	17.42	Si
1988	2X/2Y Ø8/10	642	-505	SLD 11	3846	22039	20237	2.5	31.5	-1152	-595	SLD 15	3834	21832	20058	2.5	17.41	Si
2017	2X/2Y Ø8/14.4	642	-440	SLD 11	3838	15258	20228	2.5	23.75	-1152	-530	SLD 15	3826	15114	20049	2.5	13.12	Si
2046	2X/2Y Ø8/14.4	642	-375	SLD 11	3830	15258	20220	2.5	23.75	-1152	-464	SLD 15	3818	15114	20041	2.5	13.12	Si
2075	2X/2Y Ø8/14.4	642	-309	SLD 11	3822	15258	20212	2.5	23.75	-1152	-399	SLD 15	3809	15114	20033	2.5	13.12	Si
2104	2X/2Y Ø8/14.4	642	-244	SLD 11	3814	15258	20203	2.5	23.75	-1152	-334	SLD 15	3801	15114	20024	2.5	13.12	Si
2133	2X/2Y Ø8/14.4	642	-179	SLD 11	3806	15258	20195	2.5	23.75	-1152	-269	SLD 15	3793	15114	20016	2.5	13.12	Si
2162	2X/2Y Ø8/10	642	-114	SLD 11	3797	22039	20186	2.5	31.42	-1152	-203	SLD 15	3785	21832	20008	2.5	17.37	Si
2191	2X/2Y Ø8/10	642	-48	SLD 11	3789	22039	20178	2.5	31.41	-1152	-138	SLD 15	3777	21832	20000	2.5	17.36	Si
2220	2X/2Y Ø8/10	642	17	SLD 11	3783	22039	20172	2.5	31.4	-1152	-73	SLD 15	3769	21832	19991	2.5	17.35	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²

Tensione limite dell'acciaio 3600 daN/cm²

Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1930	182358	14213	-1121	SLE RA 13	-69.1	182358	14213	-1121	SLE RA 13	1693.8	Si
1959	153444	14871	-1057	SLE RA 13	-59.3	153444	14871	-1057	SLE RA 13	1426.6	Si
1988	124022	15540	-992	SLE RA 13	-49.3	124022	15540	-992	SLE RA 13	1153.9	Si
2017	94601	16210	-927	SLE RA 13	-39.2	94589	15350	-834	SLE RA 11	886.9	Si
2046	65179	16879	-861	SLE RA 13	-29.1	65849	16132	-769	SLE RA 11	622.2	Si
2075	37109	16914	-703	SLE RA 11	-10.7	37109	16914	-703	SLE RA 11	-107	Si
2104	8368	17696	-638	SLE RA 11	-5.3	8368	17696	-638	SLE RA 11	-54.6	Si
2133	-25428	17921	-769	SLE RA 8	-8.7	-25428	17921	-769	SLE RA 8	-88.2	Si
2162	-53196	18358	-701	SLE RA 9	-14	-53196	18358	-701	SLE RA 9	-139.1	Si
2191	-81928	20226	-535	SLE RA 13	-36.4	-81928	20226	-535	SLE RA 13	815.1	Si
2220	-111349	20895	-470	SLE RA 13	-47	-111349	20895	-470	SLE RA 13	1053.2	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²

Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1930	141875	11224	-1050	SLE QP 2	-53.8	Si
1959	119156	11787	-986	SLE QP 2	-46.1	Si
1988	96039	12359	-920	SLE QP 2	-38.3	Si
2017	72922	12932	-855	SLE QP 2	-30.4	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
2046	49804	13504	-790	SLE QP 2	-12.6	Si
2075	26687	14077	-725	SLE QP 2	-8.2	Si
2104	3570	14649	-659	SLE QP 2	-3.9	Si
2133	-19548	15222	-594	SLE QP 2	-7	Si
2162	-42665	15794	-529	SLE QP 2	-11.4	Si
2191	-65782	16366	-464	SLE QP 2	-29.3	Si
2220	-88899	16939	-398	SLE QP 2	-37.6	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1930	152640	11769	-1044	SLE FR 6	148770	11470	11470	1407.3	219.2	0.0367	23.77	0.0097	Si	Si
1959	128374	12387	-980										No	Si
1988	103683	13016	-915										No	Si
2017	78991	13645	-850										No	Si
2046	54299	14274	-784										No	Si
2075	29608	14904	-719										No	Si
2104	4916	15533	-654										No	Si
2133	-19776	16162	-589										No	Si
2162	-44467	16791	-523										No	Si
2191	-69159	17420	-458										No	Si
2220	-93851	18050	-393										No	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 2230 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto elemento di base della pilastrata.

8.2 Verifiche travate C.A.

Le unità di misura elencate nel capitolo sono in [cm, daN] ove non espressamente specificato.

***N°**: indice progressivo della sezione.*
***Descrizione**: descrizione della sezione.*
***Tipo**: tipo di sezione.*
***Base**: base della sezione. [cm]*
***Altezza**: altezza della sezione. [cm]*
***Copriferro sup.**: distanza del bordo della staffa dalla superficie superiore del getto. [cm]*
***Copriferro inf.**: distanza del bordo della staffa dalla superficie inferiore del getto. [cm]*
***Copriferro lat.**: distanza del bordo della staffa dalle superfici laterali del getto. [cm]*
***x**: distanza da asse appoggio sinistro. [cm]*
***A sup.**: area efficace di armatura longitudinale superiore. [cm²]*
***C.b. sup.**: distanza dal bordo del baricentro dell'armatura longitudinale superiore. [cm]*
***A inf.**: area efficace di armatura longitudinale inferiore. [cm²]*
***C.b. inf.**: distanza dal bordo del baricentro dell'armatura longitudinale inferiore. [cm]*
***M+ela**: momento flettente desunto dal solutore che tende le fibre inferiori. [daN*cm]*
***Comb.**: combinazione.*
***M+des**: momento flettente di progetto che tende le fibre inferiori. [daN*cm]*
***M+ult**: momento ultimo per trazione delle fibre inferiori. [daN*cm]*
***x/d**: rapporto tra posizione asse neutro e altezza utile.*
***coeff**: coefficiente di sicurezza.*
***M-ela**: momento flettente desunto dal solutore che tende le fibre superiori. [daN*cm]*
***M-des**: momento flettente di progetto che tende le fibre superiori. [daN*cm]*
***M-ult**: momento ultimo per trazione delle fibre superiori. [daN*cm]*
***Verifica**: stato di verifica.*
***A st**: area di staffe per unità di lunghezza. [cm²]*
***A sl**: area di armatura longitudinale tesa per valutazione resistenza taglio in assenza di armature a taglio. [cm²]*
***A sag**: area equivalente di barre piegate per unità di lunghezza. [cm²]*
***Vela**: taglio elastico. [daN]*
***Vdes**: taglio di progetto. [daN]*
***Vrd**: resistenza a taglio della sezione senza armature. [daN]*
***Vrcd**: sforzo di taglio che produce il cedimento delle bielle. [daN]*
***Vrsd**: resistenza a taglio per la presenza delle armature. [daN]*
***Vult**: taglio ultimo. [daN]*
***cotgθ**: cotg dell'angolo di inclinazione dei puntoni in calcestruzzo.*
***Rara**: famiglia di combinazione di verifica.*
***Mela**: momento elastico. [daN*cm]*
***Mdes**: momento di progetto. [daN*cm]*
***σ c**: tensione di compressione nel calcestruzzo. [daN/cm²]*
***σ c lim.**: tensione limite di compressione nel calcestruzzo. [daN/cm²]*
***σ f.**: tensione di trazione nell'acciaio. [daN/cm²]*
***σ f lim.**: tensione limite di trazione nell'acciaio. [daN/cm²]*
***Elastica+**: massima freccia a sezione interamente reagente di solo calcestruzzo. [cm]*
***Elastica-**: minima freccia a sezione interamente reagente di solo calcestruzzo. [cm]*

***Fess.+**: massima freccia a sezione fessurata ed omogeneizzata. [cm]*
***Fess.-**: minima freccia a sezione fessurata ed omogeneizzata. [cm]*
***Quasi permanente**: famiglia di combinazione di verifica.*
***σ FRP**: tensione di trazione nell'FRP. [daN/cm²]*
***σ FRP lim.**: tensione limite di trazione nell'FRP. [daN/cm²]*
***Fess. viscosa+**: massima freccia a sezione fessurata ed omogeneizzata a viscosità esaurita. [cm]*
***Fess. viscosa-**: minima freccia a sezione fessurata ed omogeneizzata a viscosità esaurita. [cm]*
***I/f**: rapporto luce su freccia in combinazione quasi permanente.*
***Frequente**: famiglia di combinazione di verifica.*

Scala 1 - rampa tipo

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 130x20	Rettangolare	130	20	3.5	3.5	3.5

Output campate

Campata 1, sezione R 130x20, asta 284

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	7.92	4.9	14.07	5.1	131379	SLU 46	146356	785717	0.26	5.37							Si
85	7.92	4.9	14.07	5.1	232462	SLU 52	232462	785717	0.26	3.38							Si
107	7.92	4.9	14.07	5.1	223186	SLU 52	227567	785717	0.26	3.45							Si
213	7.92	4.9	14.07	5.1	-3567	SLU 14	11287	785717	0.26	69.61	-41091	SLU 33	-41091	-553857	0.248	13.48	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	7.92	4.9	14.07	5.1	420156	SLV 5	420156	721647	0.31	1.72	-295391	SLV 11	-295391	-442880	0.253	1.5	Si
107	7.92	4.9	14.07	5.1	176755	SLV 5	197597	721647	0.31	3.65							Si
213	7.92	4.9	14.07	5.1	245530	SLV 11	245530	721647	0.31	2.94	-261356	SLV 5	-261356	-442880	0.253	1.69	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	7.92	4.9	14.07	5.1	202854	SLD 5	204845	721647	0.31	3.52	-78089	SLD 11	-78089	-442880	0.253	5.67	Si
21	7.92	4.9	14.07	5.1	206607	SLD 5	206607	721647	0.31	3.49	-26404	SLD 11	-41863	-442880	0.253	10.58	Si
107	7.92	4.9	14.07	5.1	144612	SLD 5	153890	721647	0.31	4.69							Si
213	7.92	4.9	14.07	5.1	91507	SLD 11	97927	721647	0.31	7.37	-107333	SLD 5	-107333	-442880	0.253	4.13	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.264	14.07	0	2036	SLU 49	2036	13088	75844	13869	13869	1	6.81	Si
107	0.264	14.07	0	-608	SLU 46	-608	-13088	-75844	-13869	-13869	1	22.83	Si
213	0.264	7.92	0	-3080	SLU 52	-3080	-10900	-76862	-14055	-14055	1	4.56	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.264	7.92	0	3323	SLV 11	3323	10900	76862	14055	14055	1	4.23	Si
0	0.264	14.07	0	-1058	SLV 5	-1058	-13088	-75844	-13869	-13869	1	13.11	Si
107	0.264	14.07	0	1939	SLV 11	1939	13088	75844	13869	13869	1	7.15	Si
107	0.264	14.07	0	-2443	SLV 5	-2443	-13088	-75844	-13869	-13869	1	5.68	Si
213	0.264	14.07	0	554	SLV 11	554	13088	75844	13869	13869	1	25.03	Si
213	0.264	7.92	0	-3827	SLV 5	-3827	-10900	-76862	-14055	-14055	1	3.67	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.264	7.92	0	1992	SLD 11	1992	10900	76862	14055	14055	1	7.06	Si
107	0.264	14.07	0	608	SLD 11	608	13088	75844	13869	13869	1	22.82	Si
107	0.264	14.07	0	-1112	SLD 5	-1112	-13088	-75844	-13869	-13869	1	12.47	Si
213	0.264	7.92	0	-2496	SLD 5	-2496	-10900	-76862	-14055	-14055	1	5.63	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	92072	7	102656	11	184.3	160.1	3600	62382	2	71918	7.7	138.2			Si
107	156797	13	159874	17.1	184.3	249.4	3600	123759	2	125567	13.4	138.2			Si
213	-26712	7	-26712	2.8	184.3	42.9	3600	-7913	2	-7913	0.8	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
99	0.036	0.025	0.034	0.024	0.03	0.025	0.029	0.024	0.028	0.025	0.075	2	0.067	2	2833	Si
107	0.036	0.025	0.034	0.024	0.03	0.025	0.029	0.024	0.028	0.025	0.075	2	0.067	2	2839	Si

Scala 2 - Rampa tipo

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 130x20	Rettangolare	130	20	3.5	3.5	3.5

Output campate

Campata 1, sezione R 130x20, asta 297

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	7.92	4.9	14.07	5.1	133853	SLU 51	149197	785717	0.26	5.27							Si
78	7.92	4.9	14.07	5.1	227457	SLU 51	227457	785717	0.26	3.45							Si
107	7.92	4.9	14.07	5.1	215063	SLU 51	220182	785717	0.26	3.57							Si
213	7.92	4.9	14.07	5.1	-10992	SLU 15	3508	785717	0.26	223.99	-53984	SLU 38	-53984	-553857	0.248	10.26	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	7.92	4.9	14.07	5.1	470284	SLV 5	470284	721647	0.31	1.53	-320893	SLV 11	-320893	-442880	0.253	1.38	Si
107	7.92	4.9	14.07	5.1	180922	SLV 5	204718	721647	0.31	3.53							Si
213	7.92	4.9	14.07	5.1	248390	SLV 11	248390	721647	0.31	2.91	-302519	SLV 5	-302519	-442880	0.253	1.46	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	7.92	4.9	14.07	5.1	229726	SLD 5	229998	721647	0.31	3.14	-80334	SLD 11	-80334	-442880	0.253	5.51	Si
7	7.92	4.9	14.07	5.1	230015	SLD 5	230015	721647	0.31	3.14	-62525	SLD 11	-79343	-442880	0.253	5.58	Si
107	7.92	4.9	14.07	5.1	144107	SLD 5	155132	721647	0.31	4.65							Si
213	7.92	4.9	14.07	5.1	80838	SLD 11	87520	721647	0.31	8.25	-134967	SLD 5	-134967	-442880	0.253	3.28	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.264	14.07	0	1922	SLU 50	1922	13088	75844	13869	13869	1	7.22	Si
107	0.264	14.07	0	-666	SLU 51	-666	-13088	-75844	-13869	-13869	1	20.82	Si
213	0.264	7.92	0	-3164	SLU 51	-3164	-10900	-76862	-14055	-14055	1	4.44	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.264	7.92	0	3425	SLV 11	3425	10900	76862	14055	14055	1	4.1	Si
0	0.264	14.07	0	-1386	SLV 5	-1386	-13088	-75844	-13869	-13869	1	10.01	Si
107	0.264	14.07	0	2041	SLV 11	2041	13088	75844	13869	13869	1	6.8	Si
107	0.264	14.07	0	-2770	SLV 5	-2770	-13088	-75844	-13869	-13869	1	5.01	Si
213	0.264	14.07	0	656	SLV 11	656	13088	75844	13869	13869	1	21.14	Si
213	0.264	7.92	0	-4155	SLV 5	-4155	-10900	-76862	-14055	-14055	1	3.38	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.264	7.92	0	1962	SLD 11	1962	10900	76862	14055	14055	1	7.16	Si
107	0.264	14.07	0	578	SLD 11	578	13088	75844	13869	13869	1	24.01	Si
107	0.264	14.07	0	-1307	SLD 5	-1307	-13088	-75844	-13869	-13869	1	10.61	Si
213	0.264	7.92	0	-2692	SLD 5	-2692	-10900	-76862	-14055	-14055	1	5.22	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	95835	12	106533	11.4	184.3	166.2	3600	74696	2	83241	8.9	138.2			Si
107	151408	12	155108	16.6	184.3	241.9	3600	120340	2	123138	13.2	138.2			Si
213	-38042	12	-38042	4	184.3	61.1	3600	-27065	2	-27065	2.8	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
99	0.034	0.023	0.033	0.022	0.029	0.024	0.028	0.023	0.027	0.024	0.073	2	0.065	2	2916	Si
107	0.034	0.023	0.033	0.022	0.029	0.024	0.028	0.023	0.027	0.024	0.073	2	0.065	2	2932	Si

Trave P7 30x40 sx - cp1

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x40	Rettangolare	30	40	3.5	3.5	3.5

Output campate

Campata 1, sezione R 30x40, asta 171

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3							-300988	SLU 51	-274764	-764836	0.156	2.78	Si
15	6.03	5.3	6.03	5.3							-248977	SLU 51	-248977	-764836	0.156	3.07	Si
43	6.03	5.3	6.03	5.3							-155894	SLU 51	-208693	-764836	0.156	3.66	Si
80	6.03	5.3	6.03	5.3	3268	SLU 5	3268	764836	0.156	234.02	-41899	SLU 49	-87035	-764836	0.156	8.79	Si
85	6.03	5.3	6.03	5.3	13680	SLU 5	13016	764836	0.156	58.76	-27728	SLU 49	-27728	-764836	0.156	27.58	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	1728	SLV 7	1728	729363	0.256	422.14	-337254	SLV 9	-320154	-729363	0.256	2.28	Si
15	6.03	5.3	6.03	5.3	25039	SLV 7	48790	729363	0.256	14.95	-302664	SLV 9	-302664	-729363	0.256	2.41	Si
43	6.03	5.3	6.03	5.3	66189	SLV 11	88772	729363	0.256	8.22	-241153	SLV 5	-275979	-729363	0.256	2.64	Si
80	6.03	5.3	6.03	5.3	119034	SLV 11	119034	729363	0.256	6.13	-161330	SLV 5	-194187	-729363	0.256	3.76	Si
85	6.03	5.3	6.03	5.3	125803	SLV 11	125527	729363	0.256	5.81	-151042	SLV 5	-151042	-729363	0.256	4.83	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3							-235558	SLD 9	-219925	-729363	0.256	3.32	Si
15	6.03	5.3	6.03	5.3							-204346	SLD 9	-204346	-729363	0.256	3.57	Si
43	6.03	5.3	6.03	5.3							-148934	SLD 5	-180293	-729363	0.256	4.05	Si
80	6.03	5.3	6.03	5.3	34893	SLD 11	34893	729363	0.256	20.9	-77189	SLD 5	-106700	-729363	0.256	6.84	Si
85	6.03	5.3	6.03	5.3	42716	SLD 11	42437	729363	0.256	17.19	-67955	SLD 5	-67955	-729363	0.256	10.73	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	3642	SLU 47	3642	5737	40761	9681	9681	1	2.66	Si
15	0.079	6.03	0	3584	SLU 47	3584	5737	40761	9681	9681	1	2.7	Si
43	0.079	6.03	0	3476	SLU 47	3476	5737	40761	9681	9681	1	2.78	Si
80	0.079	6.03	0	3330	SLU 47	3330	5737	40761	9681	9681	1	2.91	Si
85	0.079	6.03	0	3311	SLU 47	3311	5737	40761	9681	9681	1	2.92	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	2377	SLV 9	2377	5737	40761	9681	9681	1	4.07	Si
15	0.079	6.03	0	2332	SLV 9	2332	5737	40761	9681	9681	1	4.15	Si
43	0.079	6.03	0	2250	SLV 9	2250	5737	40761	9681	9681	1	4.3	Si
80	0.079	6.03	0	2137	SLV 9	2137	5737	40761	9681	9681	1	4.53	Si
85	0.079	6.03	0	2122	SLV 9	2122	5737	40761	9681	9681	1	4.56	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	2122	SLD 9	2122	5737	40761	9681	9681	1	4.56	Si
15	0.079	6.03	0	2077	SLD 9	2077	5737	40761	9681	9681	1	4.66	Si
43	0.079	6.03	0	1995	SLD 9	1995	5737	40761	9681	9681	1	4.85	Si
80	0.079	6.03	0	1882	SLD 9	1882	5737	40761	9681	9681	1	5.14	Si
85	0.079	6.03	0	1867	SLD 9	1867	5737	40761	9681	9681	1	5.18	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-213136	12	-194496	19.5	184.3	293.1	3600	-167763	2	-153120	15.4	138.2			Si
15	-176191	12	-176191	17.7	184.3	265.5	3600	-138812	2	-138812	13.9	138.2			Si
43	-110204	12	-147612	14.8	184.3	222.4	3600	-87482	2	-116520	11.7	138.2			Si
80	-29335	10	-61399	6.2	184.3	92.5	3600	-21148	2	-48416	4.9	138.2			Si
85	5359	5	4806	0.5	184.3	7.2	3600								Si
85	-19281	10	-19281	1.9	184.3	29.1	3600	-12620	2	-12620	1.3	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
43	0.012	0.008	0.01	0.007	0.009	0.008	0.008	0.007	0.008	0.008	0.018	2	0.017	2	9999	Si
80	0.025	0.017	0.022	0.015	0.019	0.017	0.017	0.015	0.018	0.017	0.04	2	0.037	2	9999	Si
85	0.027	0.018	0.023	0.016	0.021	0.018	0.018	0.016	0.02	0.018	0.043	2	0.04	2	9999	Si

Campata 2 , sezione R 30x40, asta 172

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	13679	SLU 5	13016	764836	0.156	58.76	-27730	SLU 49	-27730	-764836	0.156	27.58	Si
5	6.03	5.3	6.03	5.3	21369	SLU 5	53076	764836	0.156	14.41	-15713	SLU 49	-15713	-764836	0.156	48.68	Si
50	6.03	5.3	6.03	5.3	120931	SLU 48	157139	764836	0.156	4.87							Si
95	6.03	5.3	6.03	5.3	223252	SLU 47	223252	764836	0.156	3.43							Si
100	6.03	5.3	6.03	5.3	234227	SLU 47	233302	764836	0.156	3.28							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	125799	SLV 11	125527	729363	0.256	5.81	-151041	SLV 5	-151041	-729363	0.256	4.83	Si
5	6.03	5.3	6.03	5.3	131391	SLV 11	148549	729363	0.256	4.91	-141951	SLV 5	-141951	-729363	0.256	5.14	Si
50	6.03	5.3	6.03	5.3	178880	SLV 11	194254	729363	0.256	3.75	-63968	SLV 5	-90388	-729363	0.256	8.07	Si
95	6.03	5.3	6.03	5.3	221336	SLV 11	221336	729363	0.256	3.3	6880	SLV 5	-17023	-729363	0.256	42.85	Si
100	6.03	5.3	6.03	5.3	225757	SLV 11	225486	729363	0.256	3.23							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	42713	SLD 11	42437	729363	0.256	17.19	-67955	SLD 5	-67955	-729363	0.256	10.73	Si
5	6.03	5.3	6.03	5.3	49353	SLD 11	69760	729363	0.256	10.46	-59912	SLD 5	-59912	-729363	0.256	12.17	Si
50	6.03	5.3	6.03	5.3	105971	SLD 11	124392	729363	0.256	5.86	8940	SLD 5	-14358	-729363	0.256	50.8	Si
95	6.03	5.3	6.03	5.3	156934	SLD 11	156934	729363	0.256	4.65							Si
100	6.03	5.3	6.03	5.3	162256	SLD 11	161980	729363	0.256	4.5							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	2574	SLU 51	2574	5737	40761	9681	9681	1	3.76	Si
5	0.079	6.03	0	2555	SLU 51	2555	5737	40761	9681	9681	1	3.79	Si
50	0.079	6.03	0	2379	SLU 51	2379	5737	40761	9681	9681	1	4.07	Si
95	0.079	6.03	0	2204	SLU 51	2204	5737	40761	9681	9681	1	4.39	Si
100	0.079	6.03	0	2184	SLU 51	2184	5737	40761	9681	9681	1	4.43	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	1901	SLV 9	1901	5737	40761	9681	9681	1	5.09	Si
5	0.079	6.03	0	1886	SLV 9	1886	5737	40761	9681	9681	1	5.13	Si
50	0.079	6.03	0	1751	SLV 9	1751	5737	40761	9681	9681	1	5.53	Si
95	0.079	6.03	0	1616	SLV 9	1616	5737	40761	9681	9681	1	5.99	Si
100	0.079	6.03	0	1601	SLV 9	1601	5737	40761	9681	9681	1	6.05	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	1646	SLD 9	1646	5737	40761	9681	9681	1	5.88	Si
5	0.079	6.03	0	1631	SLD 9	1631	5737	40761	9681	9681	1	5.94	Si
50	0.079	6.03	0	1496	SLD 9	1496	5737	40761	9681	9681	1	6.47	Si
95	0.079	6.03	0	1361	SLD 9	1361	5737	40761	9681	9681	1	7.11	Si
100	0.079	6.03	0	1346	SLD 9	1346	5737	40761	9681	9681	1	7.19	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	5357	5	4806	0.5	184.3	7.2	3600								Si
0	-19282	10	-19282	1.9	184.3	29.1	3600	-12621	2	-12621	1.3	138.2			Si
5	13088	5	36898	3.7	184.3	55.6	3600								Si
5	-10698	10	-10698	1.1	184.3	16.1	3600	-5280	2	-5280	0.5	138.2			Si
50	85111	9	110702	11.1	184.3	166.8	3600	57456	2	77915	7.8	138.2			Si
95	157226	8	157226	15.8	184.3	236.9	3600	114108	2	114108	11.5	138.2			Si
100	164926	8	164303	16.5	184.3	247.6	3600	120032	2	119752	12	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.027	0.018	0.023	0.016	0.021	0.018	0.018	0.016	0.02	0.018	0.043	2	0.04	2	9999	Si
5	0.029	0.019	0.025	0.017	0.022	0.02	0.019	0.017	0.021	0.02	0.046	2	0.043	2	9743	Si
50	0.045	0.03	0.039	0.027	0.035	0.031	0.03	0.027	0.033	0.031	0.073	2	0.068	2	6115	Si
95	0.057	0.039	0.05	0.034	0.045	0.04	0.04	0.035	0.043	0.04	0.096	2	0.089	2	4690	Si
100	0.059	0.04	0.051	0.035	0.046	0.041	0.04	0.035	0.044	0.041	0.097	2	0.091	2	4597	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	234225	SLU 47	233302	764836	0.156	3.28							Si
5	6.03	5.3	6.03	5.3	241412	SLU 47	263359	764836	0.156	2.9							Si
35	6.03	5.3	6.03	5.3	282500	SLU 47	302607	764836	0.156	2.53							Si
68	6.03	5.3	6.03	5.3	323247	SLU 47	325998	764836	0.156	2.35							Si
70	6.03	5.3	6.03	5.3	325998	SLU 47	325998	764836	0.156	2.35							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	225756	SLV 11	225486	729363	0.256	3.23							Si
5	6.03	5.3	6.03	5.3	229008	SLV 11	238849	729363	0.256	3.05							Si
35	6.03	5.3	6.03	5.3	247318	SLV 11	256099	729363	0.256	2.85							Si
68	6.03	5.3	6.03	5.3	264994	SLV 11	266171	729363	0.256	2.74							Si
70	6.03	5.3	6.03	5.3	266171	SLV 11	266171	729363	0.256	2.74							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	162255	SLD 11	161980	729363	0.256	4.5							Si
5	6.03	5.3	6.03	5.3	166398	SLD 11	178973	729363	0.256	4.08							Si
35	6.03	5.3	6.03	5.3	189839	SLD 11	201143	729363	0.256	3.63							Si
68	6.03	5.3	6.03	5.3	212621	SLD 11	214140	729363	0.256	3.41							Si
70	6.03	5.3	6.03	5.3	214140	SLD 11	214140	729363	0.256	3.41							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	1615	SLU 49	1615	5737	40761	9681	9681	1	5.99	Si
5	0.079	6.03	0	1595	SLU 49	1595	5737	40761	9681	9681	1	6.07	Si
35	0.079	6.03	0	1478	SLU 49	1478	5737	40761	9681	9681	1	6.55	Si
70	0.079	6.03	0	1342	SLU 49	1342	5737	40761	9681	9681	1	7.21	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	1380	SLV 9	1380	5737	40761	9681	9681	1	7.02	Si
5	0.079	6.03	0	1365	SLV 9	1365	5737	40761	9681	9681	1	7.09	Si
35	0.079	6.03	0	1275	SLV 9	1275	5737	40761	9681	9681	1	7.59	Si
70	0.079	6.03	0	1170	SLV 9	1170	5737	40761	9681	9681	1	8.28	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	1125	SLD 9	1125	5737	40761	9681	9681	1	8.61	Si
5	0.079	6.03	0	1110	SLD 9	1110	5737	40761	9681	9681	1	8.72	Si
35	0.079	6.03	0	1020	SLD 9	1020	5737	40761	9681	9681	1	9.49	Si
70	0.079	6.03	0	915	SLD 9	915	5737	40761	9681	9681	1	10.58	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	164925	8	164303	16.5	184.3	247.6	3600	120031	2	119752	12	138.2			Si
5	170066	8	185732	18.7	184.3	279.9	3600	124769	2	139167	14	138.2			Si
35	199348	8	213598	21.5	184.3	321.8	3600	151630	2	164613	16.5	138.2			Si
70	230096	8	230096	23.1	184.3	346.7	3600	179555	2	179555	18	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.059	0.04	0.051	0.035	0.046	0.041	0.04	0.035	0.044	0.041	0.097	2	0.091	2	4597	Si
5	0.06	0.041	0.052	0.036	0.047	0.041	0.041	0.036	0.045	0.042	0.099	2	0.092	2	4513	Si
35	0.064	0.044	0.056	0.038	0.051	0.044	0.044	0.039	0.048	0.045	0.107	2	0.1	2	4182	Si
58	0.065	0.045	0.056	0.039	0.052	0.045	0.045	0.039	0.049	0.046	0.109	2	0.101	2	4104	Si
70	0.064	0.044	0.056	0.039	0.052	0.045	0.045	0.039	0.049	0.046	0.109	2	0.101	2	4121	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	299715	SLU 47	299715	764836	0.156	2.55							Si
13	6.03	5.3	6.03	5.3	290999	SLU 47	299715	764836	0.156	2.55							Si
15	6.03	5.3	6.03	5.3	289600	SLU 47	299715	764836	0.156	2.55							Si
25	6.03	5.3	6.03	5.3	282369	SLU 47	293550	764836	0.156	2.61							Si
30	6.03	5.3	6.03	5.3	278607	SLU 47	278607	764836	0.156	2.75							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	243884	SLV 11	243884	729363	0.256	2.99							Si
14	6.03	5.3	6.03	5.3	233604	SLV 11	243884	729363	0.256	2.99							Si
15	6.03	5.3	6.03	5.3	232849	SLV 11	243884	729363	0.256	2.99							Si
25	6.03	5.3	6.03	5.3	225136	SLV 11	237121	729363	0.256	3.08							Si
30	6.03	5.3	6.03	5.3	221174	SLV 11	221174	729363	0.256	3.3							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	196270	SLD 11	196270	729363	0.256	3.72							Si
14	6.03	5.3	6.03	5.3	189406	SLD 11	196270	729363	0.256	3.72							Si
15	6.03	5.3	6.03	5.3	188894	SLD 11	196270	729363	0.256	3.72							Si
25	6.03	5.3	6.03	5.3	183609	SLD 11	191777	729363	0.256	3.8							Si
30	6.03	5.3	6.03	5.3	180857	SLD 11	180857	729363	0.256	4.03							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-662	SLU 48	-662	-5737	-40761	-9681	-9681	1	14.63	Si
15	0.079	6.03	0	-720	SLU 48	-720	-5737	-40761	-9681	-9681	1	13.44	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
25	0.079	6.03	0	-759	SLU 48	-759	-5737	-40761	-9681	-9681	1	12.75	Si
30	0.079	6.03	0	-779	SLU 48	-779	-5737	-40761	-9681	-9681	1	12.43	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	110	SLV 5	110	5737	40761	9681	9681	1	88.17	Si
0	0.079	6.03	0	-727	SLV 11	-727	-5737	-40761	-9681	-9681	1	13.32	Si
15	0.079	6.03	0	65	SLV 5	65	5737	40761	9681	9681	1	149.42	Si
15	0.079	6.03	0	-772	SLV 11	-772	-5737	-40761	-9681	-9681	1	12.55	Si
25	0.079	6.03	0	35	SLV 5	35	5737	40761	9681	9681	1	278.27	Si
25	0.079	6.03	0	-802	SLV 11	-802	-5737	-40761	-9681	-9681	1	12.08	Si
30	0.079	6.03	0	20	SLV 5	20	5737	40761	9681	9681	1	489.21	Si
30	0.079	6.03	0	-817	SLV 11	-817	-5737	-40761	-9681	-9681	1	11.85	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-475	SLD 11	-475	-5737	-40761	-9681	-9681	1	20.39	Si
15	0.079	6.03	0	-520	SLD 11	-520	-5737	-40761	-9681	-9681	1	18.62	Si
25	0.079	6.03	0	-550	SLD 11	-550	-5737	-40761	-9681	-9681	1	17.61	Si
30	0.079	6.03	0	-565	SLD 11	-565	-5737	-40761	-9681	-9681	1	17.14	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	211481	8	211481	21.2	184.3	318.7	3600	164616	2	164616	16.5	138.2			Si
15	204342	8	211481	21.2	184.3	318.7	3600	159652	2	164616	16.5	138.2			Si
25	199207	8	207137	20.8	184.3	312.1	3600	155968	2	161619	16.2	138.2			Si
30	196527	8	196527	19.7	184.3	296.1	3600	154013	2	154013	15.5	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
0	0.064	0.044	0.056	0.039	0.052	0.045	0.045	0.039	0.049	0.046	0.109	2	0.101	2	4121	Si
15	0.063	0.043	0.055	0.038	0.051	0.044	0.044	0.038	0.048	0.045	0.107	2	0.099	2	4201	Si
25	0.061	0.042	0.053	0.037	0.05	0.043	0.043	0.038	0.047	0.044	0.104	2	0.097	2	4292	Si
30	0.06	0.042	0.053	0.036	0.049	0.043	0.043	0.037	0.047	0.043	0.103	2	0.095	2	4349	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	268679	SLU 47	264248	764836	0.156	2.89							Si
5	6.03	5.3	6.03	5.3	259863	SLU 51	259863	764836	0.156	2.94							Si
50	6.03	5.3	6.03	5.3	176990	SLU 51	206806	764836	0.156	3.7							Si
95	6.03	5.3	6.03	5.3	107002	SLU 49	133093	764836	0.156	5.75							Si
100	6.03	5.3	6.03	5.3	98951	SLU 49	98951	764836	0.156	7.73							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	217213	SLV 15	213851	729363	0.256	3.41							Si
5	6.03	5.3	6.03	5.3	210394	SLV 15	210394	729363	0.256	3.47							Si
50	6.03	5.3	6.03	5.3	147607	SLV 11	169439	729363	0.256	4.3							Si
95	6.03	5.3	6.03	5.3	111039	SLV 15	127888	729363	0.256	5.7							Si
100	6.03	5.3	6.03	5.3	105527	SLV 15	105527	729363	0.256	6.91							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	176536	SLD 15	173782	729363	0.256	4.2							Si
5	6.03	5.3	6.03	5.3	170963	SLD 15	170963	729363	0.256	4.27							Si
50	6.03	5.3	6.03	5.3	118431	SLD 11	137223	729363	0.256	5.32							Si
95	6.03	5.3	6.03	5.3	79970	SLD 15	96128	729363	0.256	7.59							Si
100	6.03	5.3	6.03	5.3	74673	SLD 15	74673	729363	0.256	9.77							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-1806	SLU 48	-1806	-5737	-40761	-9681	-9681	1	5.36	Si
5	0.079	6.03	0	-1826	SLU 48	-1826	-5737	-40761	-9681	-9681	1	5.3	Si
50	0.079	6.03	0	-2001	SLU 48	-2001	-5737	-40761	-9681	-9681	1	4.84	Si
95	0.079	6.03	0	-1950	SLU 48	-1950	-5737	-40761	-9681	-9681	1	4.96	Si
100	0.079	6.03	0	-1969	SLU 48	-1969	-5737	-40761	-9681	-9681	1	4.92	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-1368	SLV 15	-1368	-5737	-40761	-9681	-9681	1	7.08	Si
5	0.079	6.03	0	-1383	SLV 15	-1383	-5737	-40761	-9681	-9681	1	7	Si
50	0.079	6.03	0	-1518	SLV 15	-1518	-5737	-40761	-9681	-9681	1	6.38	Si
95	0.079	6.03	0	-1191	SLV 11	-1191	-5737	-40761	-9681	-9681	1	8.13	Si
100	0.079	6.03	0	-1206	SLV 11	-1206	-5737	-40761	-9681	-9681	1	8.02	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-1112	SLD 15	-1112	-5737	-40761	-9681	-9681	1	8.7	Si
5	0.079	6.03	0	-1127	SLD 15	-1127	-5737	-40761	-9681	-9681	1	8.59	Si
50	0.079	6.03	0	-1262	SLD 15	-1262	-5737	-40761	-9681	-9681	1	7.67	Si
95	0.079	6.03	0	-1091	SLD 11	-1091	-5737	-40761	-9681	-9681	1	8.88	Si
100	0.079	6.03	0	-1106	SLD 11	-1106	-5737	-40761	-9681	-9681	1	8.76	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	189558	8	186444	18.7	184.3	280.9	3600	149842	2	147480	14.8	138.2			Si
5	183357	12	183357	18.4	184.3	276.3	3600	145080	2	145080	14.6	138.2			Si
50	124745	12	145887	14.7	184.3	219.8	3600	98850	2	115671	11.6	138.2			Si
95	74675	10	93377	9.4	184.3	140.7	3600	59445	2	75182	7.6	138.2			Si
100	68870	10	68870	6.9	184.3	103.8	3600	54279	2	54279	5.5	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.06	0.042	0.053	0.036	0.049	0.043	0.043	0.037	0.047	0.043	0.103	2	0.095	2	4349	Si
5	0.059	0.041	0.052	0.036	0.048	0.042	0.042	0.036	0.046	0.043	0.101	2	0.094	2	4415	Si
50	0.047	0.033	0.041	0.028	0.039	0.033	0.034	0.029	0.037	0.034	0.081	2	0.075	2	5524	Si
95	0.03	0.021	0.026	0.018	0.025	0.021	0.022	0.018	0.024	0.022	0.052	2	0.048	2	8649	Si
100	0.028	0.019	0.024	0.017	0.023	0.02	0.02	0.017	0.022	0.02	0.048	2	0.044	2	9305	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	134921	SLU 49	124635	764836	0.156	6.14							Si
5	6.03	5.3	6.03	5.3	114301	SLU 49	114301	764836	0.156	6.69	29559	SLU 5	-23698	-764836	0.156	32.27	Si
31	6.03	5.3	6.03	5.3	8429	SLU 23	69456	764836	0.156	11.01	-65759	SLU 31	-133753	-764836	0.156	5.72	Si
48	6.03	5.3	6.03	5.3	-47606	SLU 10	5433	764836	0.156	140.77	-137445	SLU 44	-137445	-764836	0.156	5.56	Si
63	6.03	5.3	6.03	5.3							-213677	SLU 48	-174332	-764836	0.156	4.39	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	171813	SLV 15	161408	729363	0.256	4.52	-20931	SLV 1	-20931	-729363	0.256	34.85	Si
5	6.03	5.3	6.03	5.3	150924	SLV 15	150924	729363	0.256	4.83	-25903	SLV 1	-42070	-729363	0.256	17.34	Si
31	6.03	5.3	6.03	5.3	39200	SLV 15	105604	729363	0.256	6.91	-53728	SLV 1	-71926	-729363	0.256	10.14	Si
48	6.03	5.3	6.03	5.3	-30636	SLV 15	35828	729363	0.256	20.36	-72913	SLV 1	-72913	-729363	0.256	10	Si
63	6.03	5.3	6.03	5.3							-104709	SLV 9	-82314	-729363	0.256	8.86	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	113880	SLD 15	105854	729363	0.256	6.89							Si
5	6.03	5.3	6.03	5.3	97769	SLD 15	97769	729363	0.256	7.46	27252	SLD 1	-3887	-729363	0.256	187.64	Si
31	6.03	5.3	6.03	5.3	11252	SLD 15	62747	729363	0.256	11.62	-25780	SLD 1	-58569	-729363	0.256	12.45	Si
48	6.03	5.3	6.03	5.3	-43278	SLD 15	8629	729363	0.256	84.52	-60271	SLD 1	-60271	-729363	0.256	12.1	Si
63	6.03	5.3	6.03	5.3							-98252	SLD 9	-76589	-729363	0.256	9.52	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-5000	SLU 48	-5000	-5737	-40761	-9681	-9681	1	1.94	Si
5	0.079	6.03	0	-5020	SLU 48	-5020	-5737	-40761	-9681	-9681	1	1.93	Si
31	0.079	6.03	0	-5123	SLU 48	-5123	-5737	-40761	-9681	-9681	1	1.89	Si
48	0.079	6.03	0	-5188	SLU 48	-5188	-5737	-40761	-9681	-9681	1	1.87	Si
63	0.079	6.03	0	-5246	SLU 48	-5246	-5737	-40761	-9681	-9681	1	1.85	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-4179	SLV 15	-4179	-5737	-40761	-9681	-9681	1	2.32	Si
5	0.079	6.03	0	-4194	SLV 15	-4194	-5737	-40761	-9681	-9681	1	2.31	Si
31	0.079	6.03	0	-4273	SLV 15	-4273	-5737	-40761	-9681	-9681	1	2.27	Si
48	0.079	6.03	0	-4323	SLV 15	-4323	-5737	-40761	-9681	-9681	1	2.24	Si
63	0.079	6.03	0	-4368	SLV 15	-4368	-5737	-40761	-9681	-9681	1	2.22	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-3219	SLD 15	-3219	-5737	-40761	-9681	-9681	1	3.01	Si
5	0.079	6.03	0	-3234	SLD 15	-3234	-5737	-40761	-9681	-9681	1	2.99	Si
31	0.079	6.03	0	-3314	SLD 15	-3314	-5737	-40761	-9681	-9681	1	2.92	Si
48	0.079	6.03	0	-3363	SLD 15	-3363	-5737	-40761	-9681	-9681	1	2.88	Si
63	0.079	6.03	0	-3408	SLD 15	-3408	-5737	-40761	-9681	-9681	1	2.84	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	94106	10	86756	8.7	184.3	130.7	3600	75441	2	68994	6.9	138.2			Si
5	79371	10	79371	8	184.3	119.6	3600	62511	2	62511	6.3	138.2			Si
31	36	10	47307	4.8	184.3	71.3	3600								Si
31	-43105	5	-94738	9.5	184.3	142.7	3600	-10393	1	-50312	5.1	138.2			Si
48	-97370	5	-97370	9.8	184.3	146.7	3600	-52352	1	-52352	5.3	138.2			Si
63	-151474	9	-123580	12.4	184.3	186.2	3600	-92946	2	-72192	7.3	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.028	0.019	0.024	0.017	0.023	0.02	0.02	0.017	0.022	0.02	0.048	2	0.044	2	9305	Si
5	0.026	0.018	0.022	0.015	0.021	0.018	0.018	0.016	0.02	0.019	0.044	2	0.041	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
31	0.014	0.009	0.012	0.008	0.012	0.01	0.01	0.008	0.011	0.01	0.024	2	0.022	2	9999	Si
48	0.006	0.004	0.006	0.004	0.005	0.004	0.005	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3							-271820	SLU 48	-210428	-764836	0.156	3.63	Si
15	6.03	5.3	6.03	5.3	-62111	SLU 1	28042	764836	0.156	27.27	-149475	SLU 48	-149475	-764836	0.156	5.12	Si
19	6.03	5.3	6.03	5.3	-47539	SLU 14	36190	764836	0.156	21.13	-122129	SLU 35	-149475	-764836	0.156	5.12	Si
32	6.03	5.3	6.03	5.3	36190	SLU 23	36190	764836	0.156	21.13	-39638	SLU 31	-138954	-764836	0.156	5.5	Si
37	6.03	5.3	6.03	5.3	67600	SLU 23	51914	764836	0.156	14.73	-9643	SLU 31	-9643	-764836	0.156	79.32	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	255677	SLV 11	255677	729363	0.256	2.85	-518078	SLV 5	-451868	-729363	0.256	1.61	Si
15	6.03	5.3	6.03	5.3	268734	SLV 11	287939	729363	0.256	2.53	-397027	SLV 5	-397027	-729363	0.256	1.84	Si
19	6.03	5.3	6.03	5.3	272465	SLV 11	289828	729363	0.256	2.52	-369660	SLV 5	-397027	-729363	0.256	1.84	Si
32	6.03	5.3	6.03	5.3	289828	SLV 11	289828	729363	0.256	2.52	-267765	SLV 5	-386861	-729363	0.256	1.89	Si
37	6.03	5.3	6.03	5.3	297623	SLV 11	293659	729363	0.256	2.48	-231668	SLV 5	-231668	-729363	0.256	3.15	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	23824	SLD 11	23824	729363	0.256	30.61	-286224	SLD 5	-239243	-729363	0.256	3.05	Si
15	6.03	5.3	6.03	5.3	69180	SLD 11	118523	729363	0.256	6.15	-197474	SLD 5	-197474	-729363	0.256	3.69	Si
19	6.03	5.3	6.03	5.3	79988	SLD 11	122698	729363	0.256	5.94	-177183	SLD 5	-197474	-729363	0.256	3.69	Si
32	6.03	5.3	6.03	5.3	122698	SLD 11	122698	729363	0.256	5.94	-100635	SLD 5	-189947	-729363	0.256	3.84	Si
37	6.03	5.3	6.03	5.3	138997	SLD 11	130886	729363	0.256	5.57	-73041	SLD 5	-73041	-729363	0.256	9.99	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	8210	SLU 47	8210	5737	40761	9681	9681	1	1.18	Si
15	0.079	6.03	0	8151	SLU 47	8151	5737	40761	9681	9681	1	1.19	Si
19	0.079	6.03	0	8137	SLU 47	8137	5737	40761	9681	9681	1	1.19	Si
32	0.079	6.03	0	8085	SLU 47	8085	5737	40761	9681	9681	1	1.2	Si
37	0.079	6.03	0	8065	SLU 47	8065	5737	40761	9681	9681	1	1.2	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	9155	SLV 9	9155	5737	40761	9681	9681	1	1.06	Si
0	0.079	6.03	0	-170	SLV 7	-170	-5737	-40761	-9681	-9681	1	57.06	Si
15	0.079	6.03	0	9110	SLV 9	9110	5737	40761	9681	9681	1	1.06	Si
15	0.079	6.03	0	-215	SLV 7	-215	-5737	-40761	-9681	-9681	1	45.1	Si
19	0.079	6.03	0	9100	SLV 9	9100	5737	40761	9681	9681	1	1.06	Si
19	0.079	6.03	0	-225	SLV 7	-225	-5737	-40761	-9681	-9681	1	43	Si
32	0.079	6.03	0	9059	SLV 9	9059	5737	40761	9681	9681	1	1.07	Si
32	0.079	6.03	0	-266	SLV 7	-266	-5737	-40761	-9681	-9681	1	36.44	Si
37	0.079	6.03	0	9044	SLV 9	9044	5737	40761	9681	9681	1	1.07	Si
37	0.079	6.03	0	-281	SLV 7	-281	-5737	-40761	-9681	-9681	1	34.49	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	6359	SLD 9	6359	5737	40761	9681	9681	1	1.52	Si
15	0.079	6.03	0	6314	SLD 9	6314	5737	40761	9681	9681	1	1.53	Si
19	0.079	6.03	0	6303	SLD 9	6303	5737	40761	9681	9681	1	1.54	Si
32	0.079	6.03	0	6263	SLD 9	6263	5737	40761	9681	9681	1	1.55	Si
37	0.079	6.03	0	6248	SLD 9	6248	5737	40761	9681	9681	1	1.55	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-194451	9	-150823	15.2	184.3	227.3	3600	-131200	2	-97505	9.8	138.2			Si
15	-107532	9	-107532	10.8	184.3	162	3600	-64147	2	-64147	6.4	138.2			Si
19	-87348	9	-107532	10.8	184.3	162	3600	-48598	2	-64147	6.4	138.2			Si
32	19322	10	19322	1.9	184.3	29.1	3600	11031	2	11031	1.1	138.2			Si
32	-18131	5	-100060	10.1	184.3	150.8	3600								Si
37	44590	10	31975	3.2	184.3	48.2	3600	32978	2	22023	2.2	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.003	2	0.002	2	9999	Si
19	0.002	0.001	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
32	0.004	0.003	0.003	0.002	0.004	0.003	0.003	0.002	0.004	0.003	0.006	2	0.006	2	9999	Si
37	0.005	0.003	0.004	0.002	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3							-57958	SLU 31	-52306	-764836	0.156	14.62	Si
5	6.03	5.3	6.03	5.3	5297	SLU 23	35949	764836	0.156	21.28	-46703	SLU 31	-46703	-764836	0.156	16.38	Si
50	6.03	5.3	6.03	5.3	74318	SLU 51	93757	764836	0.156	8.16							Si
95	6.03	5.3	6.03	5.3	127459	SLU 51	127459	764836	0.156	6							Si
100	6.03	5.3	6.03	5.3	133369	SLU 47	130409	764836	0.156	5.86							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	209810	SLV 11	207356	729363	0.256	3.52	-237586	SLV 5	-227747	-729363	0.256	3.2	Si
5	6.03	5.3	6.03	5.3	204735	SLV 11	204735	729363	0.256	3.56	-217815	SLV 5	-217815	-729363	0.256	3.35	Si
50	6.03	5.3	6.03	5.3	109207	SLV 11	173913	729363	0.256	4.19	-25181	SLV 5	-103909	-729363	0.256	7.02	Si
95	6.03	5.3	6.03	5.3	95134	SLV 9	95134	729363	0.256	7.67							Si
100	6.03	5.3	6.03	5.3	107808	SLV 5	98971	729363	0.256	7.37							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	75715	SLD 11	75715	729363	0.256	9.63	-103491	SLD 5	-97339	-729363	0.256	7.49	Si
5	6.03	5.3	6.03	5.3	78092	SLD 11	85114	729363	0.256	8.57	-91172	SLD 5	-91172	-729363	0.256	8	Si
50	6.03	5.3	6.03	5.3	68982	SLD 11	95397	729363	0.256	7.65	15044	SLD 5	-20677	-729363	0.256	35.27	Si
95	6.03	5.3	6.03	5.3	80670	SLD 9	80670	729363	0.256	9.04							Si
100	6.03	5.3	6.03	5.3	87456	SLD 5	83904	729363	0.256	8.69							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	2808	SLU 48	2808	5737	40761	9681	9681	1	3.45	Si
5	0.079	6.03	0	2789	SLU 48	2789	5737	40761	9681	9681	1	3.47	Si
50	0.079	6.03	0	1407	SLU 48	1407	5737	40761	9681	9681	1	6.88	Si
95	0.079	6.03	0	1231	SLU 48	1231	5737	40761	9681	9681	1	7.86	Si
100	0.079	6.03	0	1212	SLU 48	1212	5737	40761	9681	9681	1	7.99	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	3988	SLV 5	3988	5737	40761	9681	9681	1	2.43	Si
0	0.079	6.03	0	-1034	SLV 11	-1034	-5737	-40761	-9681	-9681	1	9.36	Si
5	0.079	6.03	0	3973	SLV 5	3973	5737	40761	9681	9681	1	2.44	Si
5	0.079	6.03	0	-1049	SLV 11	-1049	-5737	-40761	-9681	-9681	1	9.23	Si
50	0.079	6.03	0	2721	SLV 5	2721	5737	40761	9681	9681	1	3.56	Si
50	0.079	6.03	0	-1291	SLV 11	-1291	-5737	-40761	-9681	-9681	1	7.5	Si
95	0.079	6.03	0	2586	SLV 5	2586	5737	40761	9681	9681	1	3.74	Si
95	0.079	6.03	0	-1426	SLV 11	-1426	-5737	-40761	-9681	-9681	1	6.79	Si
100	0.079	6.03	0	2571	SLV 5	2571	5737	40761	9681	9681	1	3.77	Si
100	0.079	6.03	0	-1441	SLV 11	-1441	-5737	-40761	-9681	-9681	1	6.72	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	2482	SLD 5	2482	5737	40761	9681	9681	1	3.9	Si
5	0.079	6.03	0	2467	SLD 5	2467	5737	40761	9681	9681	1	3.92	Si
50	0.079	6.03	0	1518	SLD 5	1518	5737	40761	9681	9681	1	6.38	Si
50	0.079	6.03	0	-88	SLD 11	-88	-5737	-40761	-9681	-9681	1	110.6	Si
95	0.079	6.03	0	1383	SLD 5	1383	5737	40761	9681	9681	1	7	Si
95	0.079	6.03	0	-223	SLD 11	-223	-5737	-40761	-9681	-9681	1	43.5	Si
100	0.079	6.03	0	1368	SLD 5	1368	5737	40761	9681	9681	1	7.08	Si
100	0.079	6.03	0	-238	SLD 11	-238	-5737	-40761	-9681	-9681	1	40.76	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-38060	5	-33515	3.4	184.3	50.5	3600	-15228	1	-11738	1.2	138.2			Si
5	-29007	5	-29007	2.9	184.3	43.7	3600	-8287	1	-8287	0.8	138.2			Si
50	52156	12	66162	6.6	184.3	99.7	3600	42013	2	52869	5.3	138.2			Si
95	90321	12	90321	9.1	184.3	136.1	3600	71150	2	71150	7.1	138.2			Si
100	94515	8	92417	9.3	184.3	139.3	3600	74013	2	72600	7.3	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.005	0.003	0.004	0.002	0.004	0.004	0.003	0.003	0.004	0.004	0.007	2	0.007	2	9999	Si
5	0.006	0.004	0.004	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.009	2	0.008	2	9999	Si
50	0.011	0.008	0.009	0.006	0.01	0.008	0.008	0.006	0.009	0.008	0.018	2	0.016	2	9999	Si
95	0.015	0.01	0.012	0.008	0.012	0.01	0.01	0.008	0.012	0.011	0.023	2	0.021	2	9999	Si
100	0.015	0.011	0.012	0.008	0.012	0.011	0.01	0.008	0.012	0.011	0.024	2	0.022	2	9999	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	118810	SLU 47	118810	764836	0.156	6.44							Si
5	6.03	5.3	6.03	5.3	119947	SLU 47	122882	764836	0.156	6.22							Si
50	6.03	5.3	6.03	5.3	126703	SLU 48	126703	764836	0.156	6.04							Si
63	6.03	5.3	6.03	5.3	101864	SLU 48	126703	764836	0.156	6.04							Si
95	6.03	5.3	6.03	5.3	80583	SLU 48	91622	764836	0.156	8.35							Si
100	6.03	5.3	6.03	5.3	76865	SLU 48	76865	764836	0.156	9.95							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	131845	SLV 5	131845	729363	0.256	5.53	-1530	SLV 11	-1530	-729363	0.256	476.68	Si
5	6.03	5.3	6.03	5.3	142930	SLV 5	177281	729363	0.256	4.11	-11279	SLV 11	-42416	-729363	0.256	17.2	Si
50	6.03	5.3	6.03	5.3	239427	SLV 5	291253	729363	0.256	2.5	-102506	SLV 11	-185280	-729363	0.256	3.94	Si
95	6.03	5.3	6.03	5.3	350851	SLV 5	350851	729363	0.256	2.08	-268585	SLV 11	-268585	-729363	0.256	2.72	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
100	6.03	5.3	6.03	5.3	360765	SLV 5	355827	729363	0.256	2.05	-283061	SLV 11	-275805	-729363	0.256	2.64	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	91776	SLD 5	91776	729363	0.256	7.95							Si
5	6.03	5.3	6.03	5.3	96613	SLD 5	111327	729363	0.256	6.55							Si
50	6.03	5.3	6.03	5.3	136821	SLD 5	148278	729363	0.256	4.92	101	SLD 11	-42305	-729363	0.256	17.24	Si
95	6.03	5.3	6.03	5.3	165024	SLD 5	165024	729363	0.256	4.42	-82758	SLD 11	-82758	-729363	0.256	8.81	Si
100	6.03	5.3	6.03	5.3	167624	SLD 5	166343	729363	0.256	4.38	-89920	SLD 11	-86320	-729363	0.256	8.45	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	302	SLU 35	302	5737	40761	9681	9681	1	32.04	Si
5	0.079	6.03	0	283	SLU 35	283	5737	40761	9681	9681	1	34.25	Si
50	0.079	6.03	0	107	SLU 35	107	5737	40761	9681	9681	1	90.34	Si
50	0.079	6.03	0	-35	SLU 14	-35	-5737	-40761	-9681	-9681	1	278.6	Si
95	0.079	6.03	0	-770	SLU 47	-770	-5737	-40761	-9681	-9681	1	12.57	Si
100	0.079	6.03	0	-790	SLU 47	-790	-5737	-40761	-9681	-9681	1	12.26	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	2228	SLV 5	2228	5737	40761	9681	9681	1	4.34	Si
0	0.079	6.03	0	-1946	SLV 11	-1946	-5737	-40761	-9681	-9681	1	4.97	Si
5	0.079	6.03	0	2213	SLV 5	2213	5737	40761	9681	9681	1	4.37	Si
5	0.079	6.03	0	-1961	SLV 11	-1961	-5737	-40761	-9681	-9681	1	4.94	Si
50	0.079	6.03	0	2078	SLV 5	2078	5737	40761	9681	9681	1	4.66	Si
50	0.079	6.03	0	-2096	SLV 11	-2096	-5737	-40761	-9681	-9681	1	4.62	Si
95	0.079	6.03	0	1991	SLV 5	1991	5737	40761	9681	9681	1	4.86	Si
95	0.079	6.03	0	-2888	SLV 11	-2888	-5737	-40761	-9681	-9681	1	3.35	Si
100	0.079	6.03	0	1976	SLV 5	1976	5737	40761	9681	9681	1	4.9	Si
100	0.079	6.03	0	-2903	SLV 11	-2903	-5737	-40761	-9681	-9681	1	3.33	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	977	SLD 5	977	5737	40761	9681	9681	1	9.91	Si
0	0.079	6.03	0	-695	SLD 11	-695	-5737	-40761	-9681	-9681	1	13.94	Si
5	0.079	6.03	0	962	SLD 5	962	5737	40761	9681	9681	1	10.07	Si
5	0.079	6.03	0	-710	SLD 11	-710	-5737	-40761	-9681	-9681	1	13.64	Si
50	0.079	6.03	0	827	SLD 5	827	5737	40761	9681	9681	1	11.71	Si
50	0.079	6.03	0	-845	SLD 11	-845	-5737	-40761	-9681	-9681	1	11.46	Si
95	0.079	6.03	0	528	SLD 5	528	5737	40761	9681	9681	1	18.35	Si
95	0.079	6.03	0	-1425	SLD 11	-1425	-5737	-40761	-9681	-9681	1	6.79	Si
100	0.079	6.03	0	513	SLD 5	513	5737	40761	9681	9681	1	18.88	Si
100	0.079	6.03	0	-1440	SLD 11	-1440	-5737	-40761	-9681	-9681	1	6.72	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	84538	8	84538	8.5	184.3	127.4	3600	65158	2	65158	6.5	138.2			Si
5	85416	8	87682	8.8	184.3	132.1	3600	65825	2	67432	6.8	138.2			Si
50	90543	9	90543	9.1	184.3	136.4	3600	68461	2	68474	6.9	138.2			Si
95	58340	9	66149	6.6	184.3	99.7	3600	41133	2	47807	4.8	138.2			Si
100	55698	9	55698	5.6	184.3	83.9	3600	38852	2	38852	3.9	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.015	0.011	0.012	0.008	0.012	0.011	0.01	0.008	0.012	0.011	0.024	2	0.022	2	9999	Si
5	0.015	0.011	0.012	0.009	0.012	0.011	0.01	0.009	0.012	0.011	0.024	2	0.022	2	9999	Si
17	0.015	0.011	0.012	0.009	0.012	0.011	0.01	0.009	0.012	0.011	0.024	2	0.022	2	9999	Si
50	0.014	0.01	0.011	0.008	0.012	0.01	0.009	0.008	0.011	0.01	0.022	2	0.021	2	9999	Si
95	0.01	0.007	0.008	0.006	0.008	0.007	0.006	0.006	0.008	0.007	0.015	2	0.014	2	9999	Si
100	0.009	0.007	0.007	0.005	0.008	0.007	0.006	0.005	0.007	0.007	0.014	2	0.013	2	9999	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	88406	SLU 48	79777	764836	0.156	9.59							Si
5	6.03	5.3	6.03	5.3	71100	SLU 48	71100	764836	0.156	10.76	34037	SLU 1	-347	-764836	0.156	2201.83	Si
34	6.56	5.3	6.03	5.3	-1491	SLU 28	32371	764792	0.156	23.63	-39820	SLU 25	-95673	-826500	0.161	8.64	Si
52	6.94	5.3	6.03	5.3							-104753	SLU 47	-164043	-870656	0.165	5.31	Si
68	7.16	5.3	6.03	5.3							-164658	SLU 47	-164658	-897127	0.167	5.45	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	375901	SLV 5	375901	729363	0.256	1.94	-282866	SLV 11	-282866	-729363	0.256	2.58	Si
5	6.03	5.3	6.03	5.3	388048	SLV 5	425975	729363	0.256	1.71	-314167	SLV 11	-413227	-729363	0.256	1.77	Si
34	6.56	5.3	6.03	5.3	457711	SLV 5	494667	729409	0.255	1.47	-497870	SLV 11	-598693	-784642	0.266	1.31	Si
52	6.94	5.3	6.03	5.3	500327	SLV 5	536551	729444	0.254	1.36	-614359	SLV 11	-716159	-828050	0.273	1.16	Si
68	7.16	5.3	6.03	5.3	536921	SLV 5	536921	729451	0.253	1.36	-717211	SLV 11	-717211	-853983	0.277	1.19	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	178209	SLD 5	177715	729363	0.256	4.1	-85174	SLD 11	-85174	-729363	0.256	8.56	Si
5	6.03	5.3	6.03	5.3	177333	SLD 5	177333	729363	0.256	4.11	-103452	SLD 11	-161455	-729363	0.256	4.52	Si
34	6.56	5.3	6.03	5.3	171063	SLD 5	174723	729409	0.255	4.17	-211221	SLD 11	-270757	-784642	0.266	2.9	Si
52	6.94	5.3	6.03	5.3	166000	SLD 5	170437	729444	0.254	4.28	-280033	SLD 11	-340474	-828050	0.273	2.43	Si
68	7.16	5.3	6.03	5.3	160810	SLD 5	165951	729451	0.253	4.4	-341099	SLD 11	-341099	-853983	0.277	2.5	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-3541	SLU 47	-3541	-5737	-40761	-9681	-9681	1	2.73	Si
5	0.079	6.03	0	-3561	SLU 47	-3561	-5737	-40761	-9681	-9681	1	2.72	Si
34	0.079	6.03	0	-3674	SLU 47	-3674	-5738	-40779	-9685	-9685	1	2.64	Si
68	0.079	6.56	0	-3806	SLU 47	-3806	-5902	-40798	-9689	-9689	1	2.55	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	2508	SLV 5	2508	5737	40761	9681	9681	1	3.86	Si
0	0.079	6.03	0	-6324	SLV 11	-6324	-5737	-40761	-9681	-9681	1	1.53	Si
5	0.079	6.03	0	2493	SLV 5	2493	5737	40761	9681	9681	1	3.88	Si
5	0.079	6.03	0	-6339	SLV 11	-6339	-5737	-40761	-9681	-9681	1	1.53	Si
34	0.079	6.03	0	2406	SLV 5	2406	5737	40761	9681	9681	1	4.02	Si
34	0.079	6.03	0	-6426	SLV 11	-6426	-5738	-40779	-9685	-9685	1	1.51	Si
68	0.079	6.03	0	2304	SLV 5	2304	5737	40761	9681	9681	1	4.2	Si
68	0.079	6.56	0	-6528	SLV 11	-6528	-5902	-40798	-9689	-9689	1	1.48	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-3678	SLD 11	-3678	-5737	-40761	-9681	-9681	1	2.63	Si
5	0.079	6.03	0	-3693	SLD 11	-3693	-5737	-40761	-9681	-9681	1	2.62	Si
34	0.079	6.03	0	-3780	SLD 11	-3780	-5738	-40779	-9685	-9685	1	2.56	Si
68	0.079	6.56	0	-3882	SLD 11	-3882	-5902	-40798	-9689	-9689	1	2.5	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	63940	9	57893	5.8	184.3	87.2	3600	46518	2	41747	4.2	138.2			Si
5	51809	9	51809	5.2	184.3	78.1	3600	36940	2	36940	3.7	138.2			Si
34	-24636	12	-65131	6.5	184.3	96.9	3600	-20079	2	-52013	5.2	138.2			Si
68	-113708	8	-113708	11.3	184.3	166.7	3600	-90145	2	-90145	9	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.009	0.007	0.007	0.005	0.008	0.007	0.006	0.005	0.007	0.007	0.014	2	0.013	2	9999	Si
5	0.009	0.006	0.007	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.013	2	0.012	2	9999	Si
34	0.005	0.003	0.003	0.002	0.004	0.003	0.003	0.002	0.003	0.003	0.007	2	0.006	2	9999	Si

Trave P9 30x40 dx - cp1

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x40	Rettangolare	30	40	3.5	3.5	3.5

Output campate

Campata 1, sezione R 30x40, asta 186

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3							-195078	SLU 47	-174000	-764836	0.156	4.4	Si
15	6.03	5.3	6.03	5.3							-153967	SLU 51	-153967	-764836	0.156	4.97	Si
43	6.03	5.3	6.03	5.3							-84329	SLU 51	-123740	-764836	0.156	6.18	Si
80	6.03	5.3	6.03	5.3	24519	SLU 44	24519	764836	0.156	31.19	-4329	SLU 10	-35808	-764836	0.156	21.36	Si
85	6.03	5.3	6.03	5.3	35209	SLU 44	34391	764836	0.156	22.24							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3							-192488	SLV 5	-173251	-729363	0.256	4.21	Si
15	6.03	5.3	6.03	5.3	-5858	SLV 11	9724	729363	0.256	75	-164447	SLV 5	-164447	-729363	0.256	4.44	Si
43	6.03	5.3	6.03	5.3	21055	SLV 11	35691	729363	0.256	20.44	-115129	SLV 5	-142955	-729363	0.256	5.1	Si
80	6.03	5.3	6.03	5.3	55307	SLV 11	55307	729363	0.256	13.19	-52753	SLV 5	-78133	-729363	0.256	9.33	Si
85	6.03	5.3	6.03	5.3	59724	SLV 11	59474	729363	0.256	12.26	-44918	SLV 5	-44918	-729363	0.256	16.24	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3							-148278	SLD 5	-133430	-729363	0.256	5.47	Si
15	6.03	5.3	6.03	5.3							-123631	SLD 5	-123631	-729363	0.256	5.9	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
43	6.03	5.3	6.03	5.3	-13766	SLD 11	4100	729363	0.256	177.88	-80308	SLD 5	-104752	-729363	0.256	6.96	Si
80	6.03	5.3	6.03	5.3	27843	SLD 11	27843	729363	0.256	26.2	-25288	SLD 5	-47744	-729363	0.256	15.28	Si
85	6.03	5.3	6.03	5.3	33127	SLD 11	32857	729363	0.256	22.2	-18321	SLD 5	-18321	-729363	0.256	39.81	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	2811	SLU 47	2811	5737	40761	9681	9681	1	3.44	Si
15	0.079	6.03	0	2752	SLU 47	2752	5737	40761	9681	9681	1	3.52	Si
43	0.079	6.03	0	2645	SLU 47	2645	5737	40761	9681	9681	1	3.66	Si
80	0.079	6.03	0	2499	SLU 47	2499	5737	40761	9681	9681	1	3.87	Si
85	0.079	6.03	0	2479	SLU 47	2479	5737	40761	9681	9681	1	3.9	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	1936	SLV 7	1936	5737	40761	9681	9681	1	5	Si
15	0.079	6.03	0	1891	SLV 7	1891	5737	40761	9681	9681	1	5.12	Si
43	0.079	6.03	0	1808	SLV 7	1808	5737	40761	9681	9681	1	5.35	Si
80	0.079	6.03	0	1696	SLV 7	1696	5737	40761	9681	9681	1	5.71	Si
85	0.079	6.03	0	1681	SLV 7	1681	5737	40761	9681	9681	1	5.76	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	1681	SLD 7	1681	5737	40761	9681	9681	1	5.76	Si
15	0.079	6.03	0	1636	SLD 7	1636	5737	40761	9681	9681	1	5.92	Si
43	0.079	6.03	0	1554	SLD 7	1554	5737	40761	9681	9681	1	6.23	Si
80	0.079	6.03	0	1441	SLD 7	1441	5737	40761	9681	9681	1	6.72	Si
85	0.079	6.03	0	1426	SLD 7	1426	5737	40761	9681	9681	1	6.79	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-138431	8	-123443	12.4	184.3	186	3600	-106896	2	-95857	9.6	138.2			Si
15	-109195	12	-109195	11	184.3	164.5	3600	-85153	2	-85153	8.6	138.2			Si
43	-59650	12	-87669	8.8	184.3	132.1	3600	-47037	2	-68528	6.9	138.2			Si
80	16681	5	16681	1.7	184.3	25.1	3600	2671	1	2671	0.3	138.2			Si
80	-1975	10	-25046	2.5	184.3	37.7	3600								Si
85	24268	5	23716	2.4	184.3	35.7	3600	8340	1	8091	0.8	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si
43	0.009	0.006	0.008	0.005	0.007	0.006	0.006	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si
80	0.019	0.013	0.017	0.011	0.015	0.013	0.012	0.011	0.014	0.013	0.029	2	0.028	2	9999	Si
85	0.021	0.014	0.018	0.012	0.016	0.014	0.013	0.012	0.015	0.014	0.032	2	0.03	2	9999	Si

Campata 2, sezione R 30x40, asta 187

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	35211	SLU 44	34391	764836	0.156	22.24							Si
5	6.03	5.3	6.03	5.3	42536	SLU 44	66519	764836	0.156	11.5							Si
50	6.03	5.3	6.03	5.3	112607	SLU 48	135930	764836	0.156	5.63							Si
95	6.03	5.3	6.03	5.3	177703	SLU 47	177703	764836	0.156	4.3							Si
100	6.03	5.3	6.03	5.3	184520	SLU 47	183597	764836	0.156	4.17							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	59725	SLV 11	59474	729363	0.256	12.26	-44916	SLV 5	-44916	-729363	0.256	16.24	Si
5	6.03	5.3	6.03	5.3	63013	SLV 11	73279	729363	0.256	9.95	-38328	SLV 5	-38328	-729363	0.256	19.03	Si
50	6.03	5.3	6.03	5.3	92762	SLV 7	103723	729363	0.256	7.03	14146	SLV 9	-2619	-729363	0.256	278.48	Si
95	6.03	5.3	6.03	5.3	125534	SLV 7	125534	729363	0.256	5.81							Si
100	6.03	5.3	6.03	5.3	129471	SLV 3	129237	729363	0.256	5.64							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	33128	SLD 11	32857	729363	0.256	22.2	-18319	SLD 5	-18319	-729363	0.256	39.81	Si
5	6.03	5.3	6.03	5.3	37243	SLD 11	49826	729363	0.256	14.64	-12558	SLD 5	-12558	-729363	0.256	58.08	Si
50	6.03	5.3	6.03	5.3	72075	SLD 7	83501	729363	0.256	8.73							Si
95	6.03	5.3	6.03	5.3	104218	SLD 7	104218	729363	0.256	7							Si
100	6.03	5.3	6.03	5.3	107700	SLD 7	107455	729363	0.256	6.79							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	1743	SLU 47	1743	5737	40761	9681	9681	1	5.55	Si
5	0.079	6.03	0	1723	SLU 47	1723	5737	40761	9681	9681	1	5.62	Si
50	0.079	6.03	0	1548	SLU 47	1548	5737	40761	9681	9681	1	6.25	Si
95	0.079	6.03	0	1372	SLU 47	1372	5737	40761	9681	9681	1	7.05	Si
100	0.079	6.03	0	1353	SLU 47	1353	5737	40761	9681	9681	1	7.16	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	1459	SLV 7	1459	5737	40761	9681	9681	1	6.63	Si
5	0.079	6.03	0	1444	SLV 7	1444	5737	40761	9681	9681	1	6.7	Si
50	0.079	6.03	0	1309	SLV 7	1309	5737	40761	9681	9681	1	7.39	Si
95	0.079	6.03	0	1174	SLV 7	1174	5737	40761	9681	9681	1	8.24	Si
100	0.079	6.03	0	1159	SLV 7	1159	5737	40761	9681	9681	1	8.35	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	1205	SLD 7	1205	5737	40761	9681	9681	1	8.03	Si
5	0.079	6.03	0	1190	SLD 7	1190	5737	40761	9681	9681	1	8.13	Si
50	0.079	6.03	0	1055	SLD 7	1055	5737	40761	9681	9681	1	9.18	Si
95	0.079	6.03	0	920	SLD 7	920	5737	40761	9681	9681	1	10.52	Si
100	0.079	6.03	0	905	SLD 7	905	5737	40761	9681	9681	1	10.7	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	24269	5	23716	2.4	184.3	35.7	3600	8341	1	8091	0.8	138.2			Si
5	29578	5	46840	4.7	184.3	70.6	3600	12943	1	27381	2.8	138.2			Si
50	79677	9	96216	9.7	184.3	145	3600	53454	2	66367	6.7	138.2			Si
95	125648	8	125648	12.6	184.3	189.3	3600	88482	2	88482	8.9	138.2			Si
100	130430	8	129808	13	184.3	195.6	3600	92004	2	91726	9.2	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.021	0.014	0.018	0.012	0.016	0.014	0.013	0.012	0.015	0.014	0.032	2	0.03	2	9999	Si
5	0.022	0.014	0.019	0.012	0.017	0.015	0.014	0.012	0.016	0.015	0.034	2	0.032	2	9999	Si
50	0.033	0.022	0.028	0.019	0.025	0.022	0.022	0.019	0.024	0.022	0.052	2	0.048	2	8694	Si
95	0.041	0.027	0.035	0.023	0.031	0.027	0.027	0.024	0.03	0.028	0.065	2	0.061	2	6923	Si
100	0.041	0.027	0.036	0.024	0.032	0.028	0.027	0.024	0.03	0.028	0.066	2	0.062	2	6814	Si

Campata 3, sezione R 30x40, asta 188

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	184522	SLU 47	183597	764836	0.156	4.17							Si
5	6.03	5.3	6.03	5.3	187553	SLU 47	196444	764836	0.156	3.89							Si
35	6.03	5.3	6.03	5.3	203701	SLU 47	210751	764836	0.156	3.63							Si
70	6.03	5.3	6.03	5.3	218101	SLU 47	218101	764836	0.156	3.51							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	129472	SLV 3	129237	729363	0.256	5.64							Si
5	6.03	5.3	6.03	5.3	133138	SLV 3	144639	729363	0.256	5.04							Si
35	6.03	5.3	6.03	5.3	154979	SLV 3	166059	729363	0.256	4.39							Si
70	6.03	5.3	6.03	5.3	179112	SLV 3	179112	729363	0.256	4.07							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	107701	SLD 7	107455	729363	0.256	6.79							Si
5	6.03	5.3	6.03	5.3	110064	SLD 7	118458	729363	0.256	6.16							Si
35	6.03	5.3	6.03	5.3	125808	SLD 3	133436	729363	0.256	5.47							Si
70	6.03	5.3	6.03	5.3	142076	SLD 3	142076	729363	0.256	5.13							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	800	SLU 49	800	5737	40761	9681	9681	1	12.1	Si
5	0.079	6.03	0	781	SLU 49	781	5737	40761	9681	9681	1	12.4	Si
35	0.079	6.03	0	664	SLU 49	664	5737	40761	9681	9681	1	14.58	Si
70	0.079	6.03	0	527	SLU 49	527	5737	40761	9681	9681	1	18.36	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	938	SLV 7	938	5737	40761	9681	9681	1	10.32	Si
5	0.079	6.03	0	923	SLV 7	923	5737	40761	9681	9681	1	10.49	Si
5	0.079	6.03	0	-4	SLV 9	-4	-5737	-40761	-9681	-9681	1	2753.22	Si
35	0.079	6.03	0	833	SLV 7	833	5737	40761	9681	9681	1	11.62	Si
35	0.079	6.03	0	-94	SLV 9	-94	-5737	-40761	-9681	-9681	1	103.52	Si
70	0.079	6.03	0	728	SLV 7	728	5737	40761	9681	9681	1	13.3	Si
70	0.079	6.03	0	-199	SLV 9	-199	-5737	-40761	-9681	-9681	1	48.76	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	684	SLD 7	684	5737	40761	9681	9681	1	14.16	Si
5	0.079	6.03	0	669	SLD 7	669	5737	40761	9681	9681	1	14.47	Si
35	0.079	6.03	0	579	SLD 7	579	5737	40761	9681	9681	1	16.73	Si
70	0.079	6.03	0	474	SLD 7	474	5737	40761	9681	9681	1	20.43	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	130431	8	129808	13	184.3	195.6	3600	92005	2	91726	9.2	138.2			Si
5	132654	8	139152	14	184.3	209.7	3600	94341	2	101192	10.2	138.2			Si
35	144423	8	149506	15	184.3	225.3	3600	106786	2	112222	11.3	138.2			Si
70	154741	8	154741	15.5	184.3	233.2	3600	117892	2	117892	11.8	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara	Frequente	Quasi permanente	Verifica

	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
0	0.041	0.027	0.036	0.024	0.032	0.028	0.027	0.024	0.03	0.028	0.066	2	0.062	2	6814	Si
5	0.042	0.028	0.036	0.024	0.032	0.028	0.028	0.024	0.031	0.029	0.067	2	0.062	2	6718	Si
35	0.044	0.029	0.038	0.025	0.034	0.03	0.029	0.025	0.032	0.03	0.07	2	0.065	2	6394	Si
44	0.044	0.029	0.038	0.025	0.034	0.03	0.029	0.025	0.032	0.03	0.07	2	0.066	2	6373	Si
70	0.043	0.028	0.037	0.024	0.033	0.029	0.029	0.025	0.032	0.029	0.069	2	0.064	2	6519	Si

Campata 4, sezione R 30x40, asta 189

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	201347	SLU 47	201347	764836	0.156	3.8							Si
14	6.03	5.3	6.03	5.3	190179	SLU 47	201347	764836	0.156	3.8							Si
15	6.03	5.3	6.03	5.3	189353	SLU 47	201347	764836	0.156	3.8							Si
25	6.03	5.3	6.03	5.3	180869	SLU 47	194017	764836	0.156	3.94							Si
30	6.03	5.3	6.03	5.3	176481	SLU 47	176481	764836	0.156	4.33							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	164314	SLV 3	164314	729363	0.256	4.44							Si
12	6.03	5.3	6.03	5.3	158444	SLV 3	164314	729363	0.256	4.44							Si
15	6.03	5.3	6.03	5.3	156917	SLV 3	164314	729363	0.256	4.44							Si
25	6.03	5.3	6.03	5.3	151651	SLV 3	159801	729363	0.256	4.56							Si
30	6.03	5.3	6.03	5.3	148918	SLV 3	148918	729363	0.256	4.9							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	130476	SLD 3	130476	729363	0.256	5.59							Si
15	6.03	5.3	6.03	5.3	123872	SLD 3	130476	729363	0.256	5.59							Si
25	6.03	5.3	6.03	5.3	119119	SLD 3	126458	729363	0.256	5.77							Si
30	6.03	5.3	6.03	5.3	116637	SLD 3	116637	729363	0.256	6.25							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-782	SLU 48	-782	-5737	-40761	-9681	-9681	1	12.37	Si
15	0.079	6.03	0	-841	SLU 48	-841	-5737	-40761	-9681	-9681	1	11.51	Si
25	0.079	6.03	0	-880	SLU 48	-880	-5737	-40761	-9681	-9681	1	11	Si
30	0.079	6.03	0	-899	SLU 48	-899	-5737	-40761	-9681	-9681	1	10.76	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-561	SLV 5	-561	-5737	-40761	-9681	-9681	1	17.25	Si
15	0.079	6.03	0	-606	SLV 5	-606	-5737	-40761	-9681	-9681	1	15.97	Si
25	0.079	6.03	0	-636	SLV 5	-636	-5737	-40761	-9681	-9681	1	15.21	Si
30	0.079	6.03	0	-651	SLV 5	-651	-5737	-40761	-9681	-9681	1	14.86	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-469	SLD 5	-469	-5737	-40761	-9681	-9681	1	20.63	Si
15	0.079	6.03	0	-514	SLD 5	-514	-5737	-40761	-9681	-9681	1	18.82	Si
25	0.079	6.03	0	-544	SLD 5	-544	-5737	-40761	-9681	-9681	1	17.79	Si
30	0.079	6.03	0	-559	SLD 5	-559	-5737	-40761	-9681	-9681	1	17.31	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	142785	8	142785	14.3	184.3	215.1	3600	108378	2	108378	10.9	138.2			Si
15	134259	8	142785	14.3	184.3	215.1	3600	102234	2	108378	10.9	138.2			Si
25	128201	8	137581	13.8	184.3	207.3	3600	97763	2	104650	10.5	138.2			Si
30	125059	8	125059	12.6	184.3	188.4	3600	95415	2	95415	9.6	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
0	0.043	0.028	0.037	0.024	0.033	0.029	0.029	0.025	0.032	0.029	0.069	2	0.064	2	6519	Si
15	0.041	0.027	0.035	0.023	0.032	0.028	0.028	0.024	0.031	0.028	0.066	2	0.062	2	6756	Si
25	0.04	0.026	0.034	0.023	0.031	0.027	0.027	0.023	0.03	0.028	0.064	2	0.06	2	6984	Si
30	0.039	0.026	0.033	0.022	0.03	0.026	0.026	0.023	0.029	0.027	0.063	2	0.059	2	7122	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	167361	SLU 47	163197	764836	0.156	4.69							Si
5	6.03	5.3	6.03	5.3	158983	SLU 47	158983	764836	0.156	4.81							Si
50	6.03	5.3	6.03	5.3	79193	SLU 47	107932	764836	0.156	7.09							Si
95	6.03	5.3	6.03	5.3	-982	SLU 23	25585	764836	0.156	29.89	-20464	SLU 31	-20464	-764836	0.156	37.37	Si
100	6.03	5.3	6.03	5.3							-29471	SLU 44	-24828	-764836	0.156	30.81	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	146825	SLV 3	143455	729363	0.256	5.08							Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
5	6.03	5.3	6.03	5.3	140350	SLV 3	140350	729363	0.256	5.2							Si
50	6.03	5.3	6.03	5.3	84189	SLV 7	102614	729363	0.256	7.11	3361	SLV 9	-18121	-729363	0.256	40.25	Si
95	6.03	5.3	6.03	5.3	44222	SLV 7	60804	729363	0.256	12	-51360	SLV 9	-51360	-729363	0.256	14.2	Si
100	6.03	5.3	6.03	5.3	38815	SLV 7	38815	729363	0.256	18.79	-57338	SLV 9	-54413	-729363	0.256	13.4	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	113611	SLD 3	110953	729363	0.256	6.57							Si
5	6.03	5.3	6.03	5.3	108362	SLD 3	108362	729363	0.256	6.73							Si
50	6.03	5.3	6.03	5.3	60150	SLD 7	76937	729363	0.256	9.48							Si
95	6.03	5.3	6.03	5.3	16286	SLD 7	33196	729363	0.256	21.97	-23424	SLD 9	-23424	-729363	0.256	31.14	Si
100	6.03	5.3	6.03	5.3	10759	SLD 7	10759	729363	0.256	67.79	-29282	SLD 9	-26358	-729363	0.256	27.67	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-1672	SLU 48	-1672	-5737	-40761	-9681	-9681	1	5.79	Si
5	0.079	6.03	0	-1692	SLU 48	-1692	-5737	-40761	-9681	-9681	1	5.72	Si
50	0.079	6.03	0	-1867	SLU 48	-1867	-5737	-40761	-9681	-9681	1	5.18	Si
95	0.079	6.03	0	-2094	SLU 48	-2094	-5737	-40761	-9681	-9681	1	4.62	Si
100	0.079	6.03	0	-2113	SLU 48	-2113	-5737	-40761	-9681	-9681	1	4.58	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-1344	SLV 1	-1344	-5737	-40761	-9681	-9681	1	7.21	Si
5	0.079	6.03	0	-1359	SLV 1	-1359	-5737	-40761	-9681	-9681	1	7.13	Si
50	0.079	6.03	0	-1494	SLV 1	-1494	-5737	-40761	-9681	-9681	1	6.48	Si
95	0.079	6.03	0	-1337	SLV 1	-1337	-5737	-40761	-9681	-9681	1	7.24	Si
100	0.079	6.03	0	-1352	SLV 1	-1352	-5737	-40761	-9681	-9681	1	7.16	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-1068	SLD 1	-1068	-5737	-40761	-9681	-9681	1	9.06	Si
5	0.079	6.03	0	-1083	SLD 1	-1083	-5737	-40761	-9681	-9681	1	8.94	Si
50	0.079	6.03	0	-1218	SLD 1	-1218	-5737	-40761	-9681	-9681	1	7.95	Si
95	0.079	6.03	0	-1219	SLD 1	-1219	-5737	-40761	-9681	-9681	1	7.94	Si
100	0.079	6.03	0	-1234	SLD 1	-1234	-5737	-40761	-9681	-9681	1	7.85	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente						Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	118700	8	115757	11.6	184.3	174.4	3600	91706	2	89497	9	138.2			Si
5	112777	8	112777	11.3	184.3	169.9	3600	87250	2	87250	8.8	138.2			Si
50	56094	8	76563	7.7	184.3	115.4	3600	43775	2	59635	6	138.2			Si
95	-14090	5	-14090	1.4	184.3	21.2	3600	-4175	1	-4175	0.4	138.2			Si
100	-20733	5	-17393	1.7	184.3	26.2	3600	-9501	1	-6819	0.7	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.039	0.026	0.033	0.022	0.03	0.026	0.026	0.023	0.029	0.027	0.063	2	0.059	2	7122	Si
5	0.038	0.025	0.033	0.022	0.03	0.026	0.026	0.022	0.028	0.026	0.062	2	0.057	2	7278	Si
50	0.028	0.019	0.024	0.016	0.022	0.019	0.019	0.016	0.021	0.02	0.046	2	0.042	2	9783	Si
95	0.016	0.011	0.014	0.009	0.013	0.011	0.011	0.009	0.012	0.012	0.026	2	0.024	2	9999	Si
100	0.015	0.01	0.012	0.008	0.012	0.01	0.01	0.008	0.011	0.011	0.024	2	0.022	2	9999	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	20748	SLU 49	9811	764836	0.156	77.96	-14048	SLU 5	-14048	-764836	0.156	54.45	Si
5	6.03	5.3	6.03	5.3	606	SLU 10	606	764836	0.156	1261.42	-32964	SLU 44	-110169	-764836	0.156	6.94	Si
31	6.03	5.3	6.03	5.3							-166762	SLU 48	-249910	-764836	0.156	3.06	Si
48	6.03	5.3	6.03	5.3							-254144	SLU 48	-254144	-764836	0.156	3.01	Si
63	6.03	5.3	6.03	5.3							-334501	SLU 48	-294103	-764836	0.156	2.6	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	92245	SLV 3	80284	729363	0.256	9.08	-73891	SLV 13	-73891	-729363	0.256	9.87	Si
5	6.03	5.3	6.03	5.3	69506	SLV 3	69506	729363	0.256	10.49	-78563	SLV 13	-104695	-729363	0.256	6.97	Si
31	6.03	5.3	6.03	5.3	-24106	SLV 7	24775	729363	0.256	29.44	-132714	SLV 9	-184912	-729363	0.256	3.94	Si
48	6.03	5.3	6.03	5.3							-187837	SLV 5	-187837	-729363	0.256	3.88	Si
63	6.03	5.3	6.03	5.3							-246021	SLV 5	-220593	-729363	0.256	3.31	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	42512	SLD 3	33760	729363	0.256	21.6	-24158	SLD 13	-24158	-729363	0.256	30.19	Si
5	6.03	5.3	6.03	5.3	25325	SLD 3	25325	729363	0.256	28.8	-34382	SLD 13	-72181	-729363	0.256	10.1	Si
31	6.03	5.3	6.03	5.3							-102297	SLD 9	-150734	-729363	0.256	4.84	Si
48	6.03	5.3	6.03	5.3							-153299	SLD 5	-153299	-729363	0.256	4.76	Si
63	6.03	5.3	6.03	5.3							-203034	SLD 5	-179450	-729363	0.256	4.06	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-5141	SLU 48	-5141	-5737	-40761	-9681	-9681	1	1.88	Si
5	0.079	6.03	0	-5160	SLU 48	-5160	-5737	-40761	-9681	-9681	1	1.88	Si
31	0.079	6.03	0	-5264	SLU 48	-5264	-5737	-40761	-9681	-9681	1	1.84	Si
48	0.079	6.03	0	-5328	SLU 48	-5328	-5737	-40761	-9681	-9681	1	1.82	Si
63	0.079	6.03	0	-5386	SLU 48	-5386	-5737	-40761	-9681	-9681	1	1.8	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-4858	SLV 1	-4858	-5737	-40761	-9681	-9681	1	1.99	Si
5	0.079	6.03	0	-4873	SLV 1	-4873	-5737	-40761	-9681	-9681	1	1.99	Si
31	0.079	6.03	0	-4953	SLV 1	-4953	-5737	-40761	-9681	-9681	1	1.95	Si
48	0.079	6.03	0	-5002	SLV 1	-5002	-5737	-40761	-9681	-9681	1	1.94	Si
63	0.079	6.03	0	-5047	SLV 1	-5047	-5737	-40761	-9681	-9681	1	1.92	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-3591	SLD 1	-3591	-5737	-40761	-9681	-9681	1	2.7	Si
5	0.079	6.03	0	-3606	SLD 1	-3606	-5737	-40761	-9681	-9681	1	2.68	Si
31	0.079	6.03	0	-3686	SLD 1	-3686	-5737	-40761	-9681	-9681	1	2.63	Si
48	0.079	6.03	0	-3735	SLD 1	-3735	-5737	-40761	-9681	-9681	1	2.59	Si
63	0.079	6.03	0	-3780	SLD 1	-3780	-5737	-40761	-9681	-9681	1	2.56	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	14306	10	6346	0.6	184.3	9.6	3600	9177	2	2027	0.2	138.2			Si
0	-6583	5	-6583	0.7	184.3	9.9	3600								Si
5	-22611	5	-77629	7.8	184.3	117	3600	-5762	1	-48060	4.8	138.2			Si
31	-117854	9	-177001	17.8	184.3	266.7	3600	-78410	2	-123192	12.4	138.2			Si
48	-180014	9	-180014	18.1	184.3	271.2	3600	-125478	2	-125478	12.6	138.2			Si
63	-237230	9	-208454	20.9	184.3	314.1	3600	-168974	2	-147057	14.8	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.015	0.01	0.012	0.008	0.012	0.01	0.01	0.008	0.011	0.011	0.024	2	0.022	2	9999	Si
5	0.014	0.009	0.011	0.007	0.011	0.009	0.009	0.008	0.01	0.01	0.022	2	0.02	2	9999	Si
31	0.006	0.004	0.005	0.003	0.005	0.004	0.004	0.004	0.005	0.005	0.01	2	0.009	2	9999	Si
48	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3							-410093	SLU 48	-349007	-764836	0.156	2.19	Si
15	6.03	5.3	6.03	5.3							-288360	SLU 48	-288360	-764836	0.156	2.65	Si
19	6.03	5.3	6.03	5.3							-260081	SLU 48	-288360	-764836	0.156	2.65	Si
32	6.03	5.3	6.03	5.3							-151455	SLU 48	-277891	-764836	0.156	2.75	Si
37	6.03	5.3	6.03	5.3							-111404	SLU 48	-111404	-764836	0.156	6.87	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3							-360158	SLV 5	-305572	-729363	0.256	2.39	Si
15	6.03	5.3	6.03	5.3	-32096	SLV 7	34742	729363	0.256	20.99	-265759	SLV 9	-265759	-729363	0.256	2.74	Si
19	6.03	5.3	6.03	5.3	-19669	SLV 7	41312	729363	0.256	17.66	-246627	SLV 9	-265759	-729363	0.256	2.74	Si
32	6.03	5.3	6.03	5.3	41312	SLV 7	41312	729363	0.256	17.66	-186575	SLV 9	-258511	-729363	0.256	2.82	Si
37	6.03	5.3	6.03	5.3	67700	SLV 7	50481	729363	0.256	14.45	-168413	SLV 9	-168413	-729363	0.256	4.33	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3							-277384	SLD 5	-234493	-729363	0.256	3.11	Si
15	6.03	5.3	6.03	5.3							-198193	SLD 9	-198193	-729363	0.256	3.68	Si
19	6.03	5.3	6.03	5.3							-180849	SLD 9	-198193	-729363	0.256	3.68	Si
32	6.03	5.3	6.03	5.3							-119533	SLD 9	-191710	-729363	0.256	3.8	Si
37	6.03	5.3	6.03	5.3							-98589	SLD 9	-98589	-729363	0.256	7.4	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	8145	SLU 48	8145	5737	40761	9681	9681	1	1.19	Si
15	0.079	6.03	0	8086	SLU 48	8086	5737	40761	9681	9681	1	1.2	Si
19	0.079	6.03	0	8073	SLU 48	8073	5737	40761	9681	9681	1	1.2	Si
32	0.079	6.03	0	8020	SLU 48	8020	5737	40761	9681	9681	1	1.21	Si
37	0.079	6.03	0	8001	SLU 48	8001	5737	40761	9681	9681	1	1.21	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	9003	SLV 1	9003	5737	40761	9681	9681	1	1.08	Si
15	0.079	6.03	0	8958	SLV 1	8958	5737	40761	9681	9681	1	1.08	Si
19	0.079	6.03	0	8948	SLV 1	8948	5737	40761	9681	9681	1	1.08	Si
32	0.079	6.03	0	8907	SLV 1	8907	5737	40761	9681	9681	1	1.09	Si
37	0.079	6.03	0	8892	SLV 1	8892	5737	40761	9681	9681	1	1.09	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	6353	SLD 1	6353	5737	40761	9681	9681	1	1.52	Si
15	0.079	6.03	0	6308	SLD 1	6308	5737	40761	9681	9681	1	1.53	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
19	0.079	6.03	0	6297	SLD 1	6297	5737	40761	9681	9681	1	1.54	Si
32	0.079	6.03	0	6257	SLD 1	6257	5737	40761	9681	9681	1	1.55	Si
37	0.079	6.03	0	6242	SLD 1	6242	5737	40761	9681	9681	1	1.55	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-291656	9	-248081	24.9	184.3	373.8	3600	-216966	2	-182778	18.4	138.2			Si
15	-204844	9	-204844	20.6	184.3	308.7	3600	-148927	2	-148927	15	138.2			Si
19	-184684	9	-204844	20.6	184.3	308.7	3600	-133148	2	-148927	15	138.2			Si
32	-107272	9	-197381	19.8	184.3	297.4	3600	-72632	2	-143085	14.4	138.2			Si
37	-78739	9	-78739	7.9	184.3	118.6	3600	-50357	2	-50357	5.1	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
19	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
32	0.002	0.001	0.001	0	0.001	0.001	0.001	0	0.001	0.001	0.001	2	0.001	2	9999	Si
37	0.002	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.002	2	0.002	2	9999	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3							-153228	SLU 48	-145171	-764836	0.156	5.27	Si
5	6.03	5.3	6.03	5.3							-137164	SLU 48	-137164	-764836	0.156	5.58	Si
50	6.03	5.3	6.03	5.3	7849	SLU 49	37609	764836	0.156	20.34	-2500	SLU 3	-45008	-764836	0.156	16.99	Si
95	6.03	5.3	6.03	5.3	86421	SLU 47	86421	764836	0.156	8.85							Si
100	6.03	5.3	6.03	5.3	94417	SLU 47	90444	764836	0.156	8.46							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	10476	SLV 7	10476	729363	0.256	69.62	-166253	SLV 9	-159940	-729363	0.256	4.56	Si
5	6.03	5.3	6.03	5.3	16006	SLV 7	33321	729363	0.256	21.89	-154538	SLV 9	-154538	-729363	0.256	4.72	Si
50	6.03	5.3	6.03	5.3	65889	SLV 7	65889	729363	0.256	11.07	-55959	SLV 9	-88852	-729363	0.256	8.21	Si
95	6.03	5.3	6.03	5.3	73346	SLV 7	73346	729363	0.256	9.94	17143	SLV 9	-3048	-729363	0.256	239.31	Si
100	6.03	5.3	6.03	5.3	75168	SLV 7	74429	729363	0.256	9.8							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3							-114827	SLD 9	-109625	-729363	0.256	6.65	Si
5	6.03	5.3	6.03	5.3							-104856	SLD 9	-104856	-729363	0.256	6.96	Si
50	6.03	5.3	6.03	5.3	29814	SLD 7	37302	729363	0.256	19.55	-19885	SLD 9	-48512	-729363	0.256	15.03	Si
95	6.03	5.3	6.03	5.3	56529	SLD 7	56529	729363	0.256	12.9							Si
100	6.03	5.3	6.03	5.3	59616	SLD 7	58153	729363	0.256	12.54							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	3223	SLU 48	3223	5737	40761	9681	9681	1	3	Si
5	0.079	6.03	0	3203	SLU 48	3203	5737	40761	9681	9681	1	3.02	Si
50	0.079	6.03	0	3028	SLU 48	3028	5737	40761	9681	9681	1	3.2	Si
95	0.079	6.03	0	1627	SLU 48	1627	5737	40761	9681	9681	1	5.95	Si
100	0.079	6.03	0	1608	SLU 48	1608	5737	40761	9681	9681	1	6.02	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	2480	SLV 5	2480	5737	40761	9681	9681	1	3.9	Si
5	0.079	6.03	0	2465	SLV 5	2465	5737	40761	9681	9681	1	3.93	Si
50	0.079	6.03	0	2330	SLV 5	2330	5737	40761	9681	9681	1	4.16	Si
95	0.079	6.03	0	1315	SLV 5	1315	5737	40761	9681	9681	1	7.36	Si
100	0.079	6.03	0	1300	SLV 5	1300	5737	40761	9681	9681	1	7.45	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	2050	SLD 5	2050	5737	40761	9681	9681	1	4.72	Si
5	0.079	6.03	0	2035	SLD 5	2035	5737	40761	9681	9681	1	4.76	Si
50	0.079	6.03	0	1900	SLD 5	1900	5737	40761	9681	9681	1	5.1	Si
95	0.079	6.03	0	1024	SLD 5	1024	5737	40761	9681	9681	1	9.46	Si
100	0.079	6.03	0	1009	SLD 5	1009	5737	40761	9681	9681	1	9.6	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-108880	9	-103144	10.4	184.3	155.4	3600	-77888	2	-73558	7.4	138.2			Si
5	-97446	9	-97446	9.8	184.3	146.8	3600	-69266	2	-69266	7	138.2			Si
50	5294	10	26479	2.7	184.3	39.9	3600	4965	2	20289	2	138.2			Si
95	60951	8	60951	6.1	184.3	91.8	3600	45245	2	45245	4.5	138.2			Si
100	66577	8	63783	6.4	184.3	96.1	3600	49246	2	47264	4.7	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
0	0.002	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.002	2	0.002	2	9999	Si
5	0.003	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
50	0.008	0.006	0.006	0.004	0.007	0.006	0.005	0.004	0.006	0.006	0.012	2	0.011	2	9999	Si
95	0.014	0.009	0.011	0.007	0.011	0.01	0.009	0.008	0.01	0.01	0.021	2	0.02	2	9999	Si
100	0.014	0.01	0.011	0.008	0.011	0.01	0.009	0.008	0.011	0.01	0.021	2	0.02	2	9999	Si

Campata 9 , sezione R 30x40, aste 196, 197

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	105236	SLU 47	105236	764836	0.156	7.27							Si
5	6.03	5.3	6.03	5.3	108486	SLU 47	118059	764836	0.156	6.48							Si
50	6.03	5.3	6.03	5.3	133354	SLU 47	140893	764836	0.156	5.43							Si
67	6.03	5.3	6.03	5.3	136632	SLU 47	140893	764836	0.156	5.43							Si
95	6.03	5.3	6.03	5.3	125761	SLU 48	132152	764836	0.156	5.79							Si
100	6.03	5.3	6.03	5.3	123523	SLU 48	123523	764836	0.156	6.19							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	72806	SLV 7	72806	729363	0.256	10.02							Si
5	6.03	5.3	6.03	5.3	72511	SLV 7	72511	729363	0.256	10.06							Si
50	6.03	5.3	6.03	5.3	83369	SLV 5	99449	729363	0.256	7.33							Si
95	6.03	5.3	6.03	5.3	107377	SLV 9	107377	729363	0.256	6.79							Si
100	6.03	5.3	6.03	5.3	108537	SLV 9	108021	729363	0.256	6.75							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	62273	SLD 7	62273	729363	0.256	11.71							Si
5	6.03	5.3	6.03	5.3	63243	SLD 7	66499	729363	0.256	10.97							Si
50	6.03	5.3	6.03	5.3	76405	SLD 5	84732	729363	0.256	8.61							Si
83	6.03	5.3	6.03	5.3	84507	SLD 9	84751	729363	0.256	8.61							Si
95	6.03	5.3	6.03	5.3	83903	SLD 9	84628	729363	0.256	8.62							Si
100	6.03	5.3	6.03	5.3	83528	SLD 9	83528	729363	0.256	8.73							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	677	SLU 48	677	5737	40761	9681	9681	1	14.3	Si
5	0.079	6.03	0	658	SLU 48	658	5737	40761	9681	9681	1	14.72	Si
50	0.079	6.03	0	482	SLU 48	482	5737	40761	9681	9681	1	20.08	Si
95	0.079	6.03	0	-458	SLU 51	-458	-5737	-40761	-9681	-9681	1	21.15	Si
100	0.079	6.03	0	-477	SLU 51	-477	-5737	-40761	-9681	-9681	1	20.28	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	870	SLV 9	870	5737	40761	9681	9681	1	11.13	Si
0	0.079	6.03	0	-128	SLV 7	-128	-5737	-40761	-9681	-9681	1	75.35	Si
5	0.079	6.03	0	855	SLV 9	855	5737	40761	9681	9681	1	11.32	Si
5	0.079	6.03	0	-143	SLV 7	-143	-5737	-40761	-9681	-9681	1	67.47	Si
50	0.079	6.03	0	720	SLV 9	720	5737	40761	9681	9681	1	13.45	Si
50	0.079	6.03	0	-278	SLV 7	-278	-5737	-40761	-9681	-9681	1	34.76	Si
95	0.079	6.03	0	257	SLV 9	257	5737	40761	9681	9681	1	37.61	Si
95	0.079	6.03	0	-842	SLV 7	-842	-5737	-40761	-9681	-9681	1	11.49	Si
100	0.079	6.03	0	242	SLV 9	242	5737	40761	9681	9681	1	39.94	Si
100	0.079	6.03	0	-857	SLV 7	-857	-5737	-40761	-9681	-9681	1	11.29	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	583	SLD 9	583	5737	40761	9681	9681	1	16.61	Si
5	0.079	6.03	0	568	SLD 9	568	5737	40761	9681	9681	1	17.05	Si
50	0.079	6.03	0	433	SLD 9	433	5737	40761	9681	9681	1	22.37	Si
95	0.079	6.03	0	-525	SLD 7	-525	-5737	-40761	-9681	-9681	1	18.45	Si
100	0.079	6.03	0	-540	SLD 7	-540	-5737	-40761	-9681	-9681	1	17.94	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	74431	8	74431	7.5	184.3	112.1	3600	55342	2	55342	5.6	138.2			Si
5	76760	8	83586	8.4	184.3	125.9	3600	57159	2	62373	6.3	138.2			Si
50	94350	8	99930	10	184.3	150.6	3600	70130	2	74996	7.5	138.2			Si
95	89009	9	93665	9.4	184.3	141.1	3600	65414	2	69634	7	138.2			Si
100	87371	9	87371	8.8	184.3	131.6	3600	63914	2	63914	6.4	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
0	0.014	0.01	0.011	0.008	0.011	0.01	0.009	0.008	0.011	0.01	0.021	2	0.02	2	9999	Si
5	0.015	0.01	0.012	0.008	0.012	0.01	0.009	0.008	0.011	0.011	0.022	2	0.021	2	9999	Si
50	0.017	0.012	0.014	0.009	0.013	0.012	0.011	0.01	0.013	0.012	0.026	2	0.025	2	9999	Si
57	0.017	0.012	0.014	0.009	0.013	0.012	0.011	0.01	0.013	0.012	0.026	2	0.025	2	9999	Si
95	0.015	0.011	0.012	0.009	0.012	0.011	0.01	0.009	0.012	0.011	0.024	2	0.022	2	9999	Si
100	0.015	0.011	0.012	0.008	0.012	0.011	0.01	0.009	0.011	0.011	0.023	2	0.022	2	9999	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	132226	SLU 48	129019	764836	0.156	5.93							Si
5	6.03	5.3	6.03	5.3	125764	SLU 48	125764	764836	0.156	6.08							Si
49	6.03	5.3	6.03	5.3	64714	SLU 48	106887	764836	0.156	7.16							Si
83	6.03	5.3	6.03	5.3	-9407	SLU 2	57865	764836	0.156	13.22	-40508	SLU 47	-40508	-764836	0.156	18.88	Si
98	6.03	5.3	6.03	5.3							-128706	SLU 47	-84388	-764836	0.156	9.06	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	118276	SLV 5	118276	729363	0.256	6.17							Si
5	6.03	5.3	6.03	5.3	118842	SLV 5	120146	729363	0.256	6.07	14432	SLV 11	-8601	-729363	0.256	84.8	Si
49	6.03	5.3	6.03	5.3	120673	SLV 5	176550	729363	0.256	4.13	-51988	SLV 11	-72863	-729363	0.256	10.01	Si
83	6.03	5.3	6.03	5.3	113120	SLV 9	147058	729363	0.256	4.96	-152990	SLV 7	-152990	-729363	0.256	4.77	Si
98	6.03	5.3	6.03	5.3	98000	SLV 9	98000	729363	0.256	7.44	-239007	SLV 7	-203396	-729363	0.256	3.59	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	91114	SLD 5	90304	729363	0.256	8.08							Si
5	6.03	5.3	6.03	5.3	89468	SLD 5	89468	729363	0.256	8.15							Si
49	6.03	5.3	6.03	5.3	71799	SLD 5	108625	729363	0.256	6.71	-3114	SLD 11	-10580	-729363	0.256	68.93	Si
83	6.03	5.3	6.03	5.3	37410	SLD 9	81650	729363	0.256	8.93	-77279	SLD 7	-77279	-729363	0.256	9.44	Si
98	6.03	5.3	6.03	5.3	1097	SLD 9	1097	729363	0.256	664.7	-142105	SLD 7	-112592	-729363	0.256	6.48	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-1311	SLU 47	-1311	-5737	-40761	-9681	-9681	1	7.38	Si
5	0.079	6.03	0	-1331	SLU 47	-1331	-5737	-40761	-9681	-9681	1	7.28	Si
49	0.079	6.03	0	-1502	SLU 47	-1502	-5737	-40761	-9681	-9681	1	6.44	Si
83	0.079	6.03	0	-5903	SLU 51	-5903	-5737	-40761	-9681	-9681	1	1.64	Si
98	0.079	6.03	0	-5962	SLU 51	-5962	-5737	-40761	-9681	-9681	1	1.62	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	125	SLV 5	125	5737	40761	9681	9681	1	77.55	Si
0	0.079	6.03	0	-1431	SLV 11	-1431	-5737	-40761	-9681	-9681	1	6.77	Si
5	0.079	6.03	0	110	SLV 5	110	5737	40761	9681	9681	1	88.14	Si
5	0.079	6.03	0	-1446	SLV 11	-1446	-5737	-40761	-9681	-9681	1	6.7	Si
49	0.079	6.03	0	-1578	SLV 11	-1578	-5737	-40761	-9681	-9681	1	6.14	Si
83	0.079	6.03	0	827	SLV 13	827	5737	40761	9681	9681	1	11.7	Si
83	0.079	6.03	0	-7525	SLV 3	-7525	-5737	-40761	-9681	-9681	1	1.29	Si
98	0.079	6.03	0	782	SLV 13	782	5737	40761	9681	9681	1	12.38	Si
98	0.079	6.03	0	-7570	SLV 3	-7570	-5737	-40761	-9681	-9681	1	1.28	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-986	SLD 11	-986	-5737	-40761	-9681	-9681	1	9.81	Si
5	0.079	6.03	0	-1001	SLD 11	-1001	-5737	-40761	-9681	-9681	1	9.67	Si
49	0.079	6.03	0	-1133	SLD 11	-1133	-5737	-40761	-9681	-9681	1	8.54	Si
83	0.079	6.03	0	-5015	SLD 3	-5015	-5737	-40761	-9681	-9681	1	1.93	Si
98	0.079	6.03	0	-5060	SLD 3	-5060	-5737	-40761	-9681	-9681	1	1.91	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	93799	9	91542	9.2	184.3	137.9	3600	69941	2	68307	6.9	138.2			Si
5	89249	9	89249	9	184.3	134.5	3600	66637	2	66637	6.7	138.2			Si
49	45990	9	76076	7.6	184.3	114.6	3600	34342	2	60227	6	138.2			Si
83	-28290	8	-28290	2.8	184.3	42.6	3600	-19935	2	-19935	2	138.2			Si
98	-90989	8	-59471	6	184.3	89.6	3600	-70504	2	-45051	4.5	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.015	0.011	0.012	0.008	0.012	0.011	0.01	0.009	0.011	0.011	0.023	2	0.022	2	9999	Si
5	0.014	0.01	0.012	0.008	0.011	0.01	0.009	0.008	0.011	0.01	0.022	2	0.021	2	9999	Si
49	0.009	0.006	0.007	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.013	2	0.013	2	9999	Si
83	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si

Trave P9 30x40 sx - cp1

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x40	Rettangolare	30	40	3.5	3.5	3.5

Output campate

Campata 1, sezione R 30x40, asta 228

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3							-331285	SLU 51	-303743	-764836	0.156	2.52	Si
15	6.03	5.3	6.03	5.3							-276637	SLU 51	-276637	-764836	0.156	2.76	Si
43	6.03	5.3	6.03	5.3							-178718	SLU 51	-234279	-764836	0.156	3.26	Si
80	6.03	5.3	6.03	5.3							-57571	SLU 49	-105778	-764836	0.156	7.23	Si
85	6.03	5.3	6.03	5.3	4081	SLU 5	3418	764836	0.156	223.77	-42422	SLU 49	-42422	-764836	0.156	18.03	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3							-292492	SLV 5	-274953	-729363	0.256	2.65	Si
15	6.03	5.3	6.03	5.3							-258647	SLV 5	-258647	-729363	0.256	2.82	Si
43	6.03	5.3	6.03	5.3	-2947	SLV 11	23776	729363	0.256	30.68	-198655	SLV 5	-232587	-729363	0.256	3.14	Si
80	6.03	5.3	6.03	5.3	59910	SLV 11	59910	729363	0.256	12.17	-121269	SLV 5	-153051	-729363	0.256	4.77	Si
85	6.03	5.3	6.03	5.3	68048	SLV 11	67778	729363	0.256	10.76	-111340	SLV 5	-111340	-729363	0.256	6.55	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3							-228749	SLD 5	-212444	-729363	0.256	3.43	Si
15	6.03	5.3	6.03	5.3							-196859	SLD 5	-196859	-729363	0.256	3.71	Si
43	6.03	5.3	6.03	5.3							-140297	SLD 5	-172296	-729363	0.256	4.23	Si
80	6.03	5.3	6.03	5.3	5857	SLD 11	5857	729363	0.256	124.53	-67215	SLD 5	-97251	-729363	0.256	7.5	Si
85	6.03	5.3	6.03	5.3	14533	SLD 11	14259	729363	0.256	51.15	-57825	SLD 5	-57825	-729363	0.256	12.61	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	3773	SLU 47	3773	5737	40761	9681	9681	1	2.57	Si
15	0.079	6.03	0	3714	SLU 47	3714	5737	40761	9681	9681	1	2.61	Si
43	0.079	6.03	0	3607	SLU 47	3607	5737	40761	9681	9681	1	2.68	Si
80	0.079	6.03	0	3461	SLU 47	3461	5737	40761	9681	9681	1	2.8	Si
85	0.079	6.03	0	3441	SLU 47	3441	5737	40761	9681	9681	1	2.81	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	2366	SLV 13	2366	5737	40761	9681	9681	1	4.09	Si
15	0.079	6.03	0	2321	SLV 13	2321	5737	40761	9681	9681	1	4.17	Si
43	0.079	6.03	0	2239	SLV 13	2239	5737	40761	9681	9681	1	4.32	Si
80	0.079	6.03	0	2126	SLV 13	2126	5737	40761	9681	9681	1	4.55	Si
85	0.079	6.03	0	2111	SLV 13	2111	5737	40761	9681	9681	1	4.59	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	2193	SLD 13	2193	5737	40761	9681	9681	1	4.41	Si
15	0.079	6.03	0	2148	SLD 13	2148	5737	40761	9681	9681	1	4.51	Si
43	0.079	6.03	0	2065	SLD 13	2065	5737	40761	9681	9681	1	4.69	Si
80	0.079	6.03	0	1953	SLD 13	1953	5737	40761	9681	9681	1	4.96	Si
85	0.079	6.03	0	1938	SLD 13	1938	5737	40761	9681	9681	1	5	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-234869	12	-215269	21.6	184.3	324.4	3600	-185375	2	-169974	17.1	138.2			Si
15	-196005	12	-196005	19.7	184.3	295.3	3600	-154909	2	-154909	15.6	138.2			Si
43	-126501	12	-165918	16.7	184.3	250	3600	-100801	2	-131425	13.2	138.2			Si
80	-40463	10	-74741	7.5	184.3	112.6	3600	-30679	2	-59534	6	138.2			Si
85	-29703	10	-29703	3	184.3	44.8	3600	-21646	2	-21646	2.2	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
43	0.012	0.008	0.01	0.007	0.009	0.008	0.008	0.007	0.008	0.008	0.018	2	0.017	2	9999	Si
80	0.025	0.017	0.022	0.015	0.019	0.017	0.017	0.015	0.018	0.017	0.041	2	0.038	2	9999	Si
85	0.027	0.019	0.024	0.016	0.021	0.019	0.018	0.016	0.02	0.019	0.044	2	0.041	2	9999	Si

Campata 2, sezione R 30x40, asta 229

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	4081	SLU 5	3418	764836	0.156	223.77	-42422	SLU 49	-42422	-764836	0.156	18.03	Si
5	6.03	5.3	6.03	5.3	12130	SLU 5	41493	764836	0.156	18.43	-29427	SLU 49	-29427	-764836	0.156	25.99	Si
50	6.03	5.3	6.03	5.3	113138	SLU 48	151833	764836	0.156	5.04							Si
95	6.03	5.3	6.03	5.3	221449	SLU 48	221449	764836	0.156	3.45							Si
100	6.03	5.3	6.03	5.3	233002	SLU 48	232078	764836	0.156	3.3							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	68048	SLV 11	67778	729363	0.256	10.76	-111339	SLV 5	-111339	-729363	0.256	6.55	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
5	6.03	5.3	6.03	5.3	75018	SLV 11	96559	729363	0.256	7.55	-102617	SLV 5	-102617	-729363	0.256	7.11	Si
50	6.03	5.3	6.03	5.3	135289	SLV 11	155285	729363	0.256	4.7	-28326	SLV 5	-53380	-729363	0.256	13.66	Si
95	6.03	5.3	6.03	5.3	191199	SLV 11	191199	729363	0.256	3.81							Si
100	6.03	5.3	6.03	5.3	197153	SLV 11	196887	729363	0.256	3.7							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	14533	SLD 11	14259	729363	0.256	51.15	-57824	SLD 5	-57824	-729363	0.256	12.61	Si
5	6.03	5.3	6.03	5.3	22032	SLD 11	45176	729363	0.256	16.14	-49631	SLD 5	-49631	-729363	0.256	14.7	Si
50	6.03	5.3	6.03	5.3	86640	SLD 11	107957	729363	0.256	6.76	20322	SLD 5	-3308	-729363	0.256	220.47	Si
95	6.03	5.3	6.03	5.3	146042	SLD 11	146042	729363	0.256	4.99							Si
100	6.03	5.3	6.03	5.3	152329	SLD 11	152056	729363	0.256	4.8							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	2750	SLU 51	2750	5737	40761	9681	9681	1	3.52	Si
5	0.079	6.03	0	2731	SLU 51	2731	5737	40761	9681	9681	1	3.55	Si
50	0.079	6.03	0	2555	SLU 51	2555	5737	40761	9681	9681	1	3.79	Si
95	0.079	6.03	0	2380	SLU 51	2380	5737	40761	9681	9681	1	4.07	Si
100	0.079	6.03	0	2360	SLU 51	2360	5737	40761	9681	9681	1	4.1	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	1890	SLV 13	1890	5737	40761	9681	9681	1	5.12	Si
5	0.079	6.03	0	1875	SLV 13	1875	5737	40761	9681	9681	1	5.16	Si
50	0.079	6.03	0	1740	SLV 13	1740	5737	40761	9681	9681	1	5.56	Si
95	0.079	6.03	0	1605	SLV 13	1605	5737	40761	9681	9681	1	6.03	Si
100	0.079	6.03	0	1590	SLV 13	1590	5737	40761	9681	9681	1	6.09	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	1717	SLD 13	1717	5737	40761	9681	9681	1	5.64	Si
5	0.079	6.03	0	1702	SLD 13	1702	5737	40761	9681	9681	1	5.69	Si
50	0.079	6.03	0	1567	SLD 13	1567	5737	40761	9681	9681	1	6.18	Si
95	0.079	6.03	0	1432	SLD 13	1432	5737	40761	9681	9681	1	6.76	Si
100	0.079	6.03	0	1417	SLD 13	1417	5737	40761	9681	9681	1	6.83	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente						Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-29703	10	-29703	3	184.3	44.8	3600	-21646	2	-21646	2.2	138.2			Si
5	3765	5	28772	2.9	184.3	43.4	3600								Si
5	-20413	10	-20413	2.1	184.3	30.8	3600	-13800	2	-13800	1.4	138.2			Si
50	79824	9	107242	10.8	184.3	161.6	3600	53481	2	75527	7.6	138.2			Si
95	156414	9	156414	15.7	184.3	235.7	3600	114678	2	114678	11.5	138.2			Si
100	164554	9	163931	16.5	184.3	247	3600	121108	2	120829	12.1	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.027	0.019	0.024	0.016	0.021	0.019	0.018	0.016	0.02	0.019	0.044	2	0.041	2	9999	Si
5	0.029	0.02	0.025	0.017	0.022	0.02	0.02	0.017	0.021	0.02	0.047	2	0.044	2	9507	Si
50	0.046	0.032	0.04	0.028	0.036	0.032	0.032	0.028	0.034	0.032	0.076	2	0.07	2	5872	Si
95	0.059	0.042	0.052	0.037	0.048	0.042	0.042	0.037	0.045	0.042	0.101	2	0.093	2	4444	Si
100	0.061	0.043	0.053	0.037	0.049	0.043	0.043	0.037	0.046	0.043	0.103	2	0.095	2	4349	Si

Campata 3 , sezione R 30x40, asta 230

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	233002	SLU 48	232078	764836	0.156	3.3							Si
5	6.03	5.3	6.03	5.3	240769	SLU 48	264532	764836	0.156	2.89							Si
35	6.03	5.3	6.03	5.3	285328	SLU 48	307252	764836	0.156	2.49							Si
68	6.03	5.3	6.03	5.3	333070	SLU 51	336571	764836	0.156	2.27							Si
70	6.03	5.3	6.03	5.3	336571	SLU 51	336571	764836	0.156	2.27							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	197154	SLV 11	196887	729363	0.256	3.7							Si
5	6.03	5.3	6.03	5.3	201948	SLV 11	216678	729363	0.256	3.37							Si
35	6.03	5.3	6.03	5.3	229658	SLV 11	243511	729363	0.256	3							Si
68	6.03	5.3	6.03	5.3	260618	SLV 15	262923	729363	0.256	2.77							Si
70	6.03	5.3	6.03	5.3	262923	SLV 15	262923	729363	0.256	2.77							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	152329	SLD 11	152056	729363	0.256	4.8							Si
5	6.03	5.3	6.03	5.3	157442	SLD 11	173094	729363	0.256	4.21							Si
35	6.03	5.3	6.03	5.3	186802	SLD 11	201480	729363	0.256	3.62							Si
68	6.03	5.3	6.03	5.3	217534	SLD 15	219683	729363	0.256	3.32							Si
70	6.03	5.3	6.03	5.3	219683	SLD 15	219683	729363	0.256	3.32							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	1810	SLU 49	1810	5737	40761	9681	9681	1	5.35	Si
5	0.079	6.03	0	1791	SLU 49	1791	5737	40761	9681	9681	1	5.41	Si
35	0.079	6.03	0	1674	SLU 49	1674	5737	40761	9681	9681	1	5.78	Si
70	0.079	6.03	0	1537	SLU 49	1537	5737	40761	9681	9681	1	6.3	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	1369	SLV 13	1369	5737	40761	9681	9681	1	7.07	Si
5	0.079	6.03	0	1354	SLV 13	1354	5737	40761	9681	9681	1	7.15	Si
35	0.079	6.03	0	1264	SLV 13	1264	5737	40761	9681	9681	1	7.66	Si
70	0.079	6.03	0	1159	SLV 13	1159	5737	40761	9681	9681	1	8.35	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	1196	SLD 13	1196	5737	40761	9681	9681	1	8.1	Si
5	0.079	6.03	0	1181	SLD 13	1181	5737	40761	9681	9681	1	8.2	Si
35	0.079	6.03	0	1091	SLD 13	1091	5737	40761	9681	9681	1	8.88	Si
70	0.079	6.03	0	986	SLD 13	986	5737	40761	9681	9681	1	9.82	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	164554	9	163931	16.5	184.3	247	3600	121108	2	120829	12.1	138.2			Si
5	170134	9	187179	18.8	184.3	282	3600	126351	2	142335	14.3	138.2			Si
35	202051	9	217680	21.9	184.3	328	3600	156242	2	170812	17.2	138.2			Si
70	238337	12	238337	23.9	184.3	359.1	3600	187702	2	187702	18.9	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.061	0.043	0.053	0.037	0.049	0.043	0.043	0.037	0.046	0.043	0.103	2	0.095	2	4349	Si
5	0.062	0.044	0.054	0.038	0.05	0.044	0.044	0.038	0.047	0.044	0.105	2	0.097	2	4264	Si
35	0.067	0.047	0.058	0.042	0.054	0.047	0.048	0.042	0.051	0.047	0.114	2	0.105	2	3917	Si
63	0.068	0.049	0.059	0.043	0.056	0.049	0.049	0.043	0.053	0.049	0.118	2	0.108	2	3811	Si
70	0.068	0.049	0.059	0.043	0.056	0.049	0.049	0.043	0.053	0.049	0.117	2	0.108	2	3815	Si

Campata 4 , sezione R 30x40, asta 231

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	308957	SLU 51	308957	764836	0.156	2.48							Si
12	6.03	5.3	6.03	5.3	304116	SLU 51	308957	764836	0.156	2.48							Si
15	6.03	5.3	6.03	5.3	302817	SLU 51	308957	764836	0.156	2.48							Si
25	6.03	5.3	6.03	5.3	298237	SLU 51	305256	764836	0.156	2.51							Si
30	6.03	5.3	6.03	5.3	295800	SLU 51	295800	764836	0.156	2.59							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	240509	SLV 15	240509	729363	0.256	3.03							Si
12	6.03	5.3	6.03	5.3	235652	SLV 15	240509	729363	0.256	3.03							Si
15	6.03	5.3	6.03	5.3	234371	SLV 15	240509	729363	0.256	3.03							Si
25	6.03	5.3	6.03	5.3	229909	SLV 15	236784	729363	0.256	3.08							Si
30	6.03	5.3	6.03	5.3	227567	SLV 15	227567	729363	0.256	3.21							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	201125	SLD 15	201125	729363	0.256	3.63							Si
12	6.03	5.3	6.03	5.3	197590	SLD 15	201125	729363	0.256	3.63							Si
15	6.03	5.3	6.03	5.3	196640	SLD 15	201125	729363	0.256	3.63							Si
25	6.03	5.3	6.03	5.3	193278	SLD 15	198424	729363	0.256	3.68							Si
30	6.03	5.3	6.03	5.3	191485	SLD 15	191485	729363	0.256	3.81							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-452	SLU 48	-452	-5737	-40761	-9681	-9681	1	21.41	Si
15	0.079	6.03	0	-511	SLU 48	-511	-5737	-40761	-9681	-9681	1	18.96	Si
25	0.079	6.03	0	-550	SLU 48	-550	-5737	-40761	-9681	-9681	1	17.61	Si
30	0.079	6.03	0	-569	SLU 48	-569	-5737	-40761	-9681	-9681	1	17.01	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	20	SLV 5	20	5737	40761	9681	9681	1	474.08	Si
0	0.079	6.03	0	-416	SLV 11	-416	-5737	-40761	-9681	-9681	1	23.26	Si
15	0.079	6.03	0	-461	SLV 11	-461	-5737	-40761	-9681	-9681	1	20.99	Si
25	0.079	6.03	0	-491	SLV 11	-491	-5737	-40761	-9681	-9681	1	19.71	Si
30	0.079	6.03	0	-506	SLV 11	-506	-5737	-40761	-9681	-9681	1	19.13	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-291	SLD 11	-291	-5737	-40761	-9681	-9681	1	33.3	Si
15	0.079	6.03	0	-336	SLD 11	-336	-5737	-40761	-9681	-9681	1	28.84	Si
25	0.079	6.03	0	-366	SLD 11	-366	-5737	-40761	-9681	-9681	1	26.47	Si
30	0.079	6.03	0	-381	SLD 11	-381	-5737	-40761	-9681	-9681	1	25.43	Si

Verifiche delle tensioni in esercizio

x	Rara	Quasi permanente	Verifica

	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	218729	12	218729	22	184.3	329.6	3600	172021	2	172021	17.3	138.2			Si
15	214323	12	218729	22	184.3	329.6	3600	168716	2	172021	17.3	138.2			Si
25	211011	12	216078	21.7	184.3	325.6	3600	166137	2	170052	17.1	138.2			Si
30	209242	12	209242	21	184.3	315.3	3600	164736	2	164736	16.5	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.068	0.049	0.059	0.043	0.056	0.049	0.049	0.043	0.053	0.049	0.117	2	0.108	2	3815	Si
15	0.067	0.048	0.058	0.042	0.055	0.048	0.048	0.042	0.052	0.048	0.116	2	0.106	2	3866	Si
25	0.065	0.047	0.057	0.041	0.054	0.047	0.047	0.041	0.051	0.047	0.114	2	0.104	2	3933	Si
30	0.065	0.047	0.057	0.041	0.054	0.047	0.047	0.041	0.051	0.047	0.113	2	0.103	2	3976	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	288330	SLU 51	284711	764836	0.156	2.69							Si
5	6.03	5.3	6.03	5.3	281044	SLU 51	281044	764836	0.156	2.72							Si
50	6.03	5.3	6.03	5.3	211080	SLU 51	236390	764836	0.156	3.24							Si
95	6.03	5.3	6.03	5.3	164612	SLU 49	184002	764836	0.156	4.16							Si
100	6.03	5.3	6.03	5.3	158729	SLU 49	158729	764836	0.156	4.82							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	223572	SLV 15	220952	729363	0.256	3.3							Si
5	6.03	5.3	6.03	5.3	217960	SLV 15	217960	729363	0.256	3.35							Si
50	6.03	5.3	6.03	5.3	165973	SLV 11	184007	729363	0.256	3.96							Si
95	6.03	5.3	6.03	5.3	141559	SLV 15	154075	729363	0.256	4.73							Si
100	6.03	5.3	6.03	5.3	137442	SLV 15	137442	729363	0.256	5.31							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	187769	SLD 15	185506	729363	0.256	3.93							Si
5	6.03	5.3	6.03	5.3	183067	SLD 15	183067	729363	0.256	3.98							Si
50	6.03	5.3	6.03	5.3	137870	SLD 15	154212	729363	0.256	4.73							Si
95	6.03	5.3	6.03	5.3	113299	SLD 15	125232	729363	0.256	5.82							Si
100	6.03	5.3	6.03	5.3	109356	SLD 15	109356	729363	0.256	6.67							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-1472	SLU 47	-1472	-5737	-40761	-9681	-9681	1	6.57	Si
5	0.079	6.03	0	-1492	SLU 47	-1492	-5737	-40761	-9681	-9681	1	6.49	Si
50	0.079	6.03	0	-1667	SLU 47	-1667	-5737	-40761	-9681	-9681	1	5.81	Si
95	0.079	6.03	0	-1413	SLU 48	-1413	-5737	-40761	-9681	-9681	1	6.85	Si
100	0.079	6.03	0	-1432	SLU 48	-1432	-5737	-40761	-9681	-9681	1	6.76	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-1182	SLV 15	-1182	-5737	-40761	-9681	-9681	1	8.19	Si
5	0.079	6.03	0	-1197	SLV 15	-1197	-5737	-40761	-9681	-9681	1	8.09	Si
50	0.079	6.03	0	-1332	SLV 15	-1332	-5737	-40761	-9681	-9681	1	7.27	Si
95	0.079	6.03	0	-963	SLV 9	-963	-5737	-40761	-9681	-9681	1	10.06	Si
100	0.079	6.03	0	-978	SLV 9	-978	-5737	-40761	-9681	-9681	1	9.9	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-960	SLD 15	-960	-5737	-40761	-9681	-9681	1	10.08	Si
5	0.079	6.03	0	-975	SLD 15	-975	-5737	-40761	-9681	-9681	1	9.93	Si
50	0.079	6.03	0	-1110	SLD 15	-1110	-5737	-40761	-9681	-9681	1	8.72	Si
95	0.079	6.03	0	-850	SLD 9	-850	-5737	-40761	-9681	-9681	1	11.39	Si
100	0.079	6.03	0	-865	SLD 9	-865	-5737	-40761	-9681	-9681	1	11.2	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	203983	12	201428	20.2	184.3	303.5	3600	161023	2	159074	16	138.2			Si
5	198836	12	198836	20	184.3	299.6	3600	157087	2	157087	15.8	138.2			Si
50	149140	12	167171	16.8	184.3	251.9	3600	118280	2	132510	13.3	138.2			Si
95	115850	10	129790	13	184.3	195.6	3600	92673	2	104104	10.5	138.2			Si
100	111584	10	111584	11.2	184.3	168.1	3600	88878	2	88878	8.9	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.065	0.047	0.057	0.041	0.054	0.047	0.047	0.041	0.051	0.047	0.113	2	0.103	2	3976	Si
5	0.064	0.046	0.056	0.04	0.053	0.046	0.046	0.04	0.05	0.046	0.111	2	0.102	2	4027	Si
50	0.052	0.038	0.046	0.033	0.043	0.038	0.038	0.033	0.041	0.038	0.091	2	0.083	2	4910	Si
95	0.035	0.025	0.03	0.022	0.029	0.025	0.025	0.022	0.027	0.025	0.06	2	0.055	2	7410	Si
100	0.032	0.023	0.028	0.02	0.027	0.023	0.024	0.02	0.026	0.023	0.056	2	0.051	2	7932	Si

Campata 6, sezione R 30x40, asta 234

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	198717	SLU 49	190291	764836	0.156	4.02							Si
5	6.03	5.3	6.03	5.3	181818	SLU 49	181818	764836	0.156	4.21							Si
31	6.03	5.3	6.03	5.3	90637	SLU 49	145004	764836	0.156	5.27	-2810	SLU 5	-49581	-764836	0.156	15.43	Si
48	6.03	5.3	6.03	5.3	34865	SLU 23	87858	764836	0.156	8.71	-52200	SLU 31	-52200	-764836	0.156	14.65	Si
63	6.03	5.3	6.03	5.3							-103161	SLU 44	-76932	-764836	0.156	9.94	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	191745	SLV 15	183387	729363	0.256	3.98							Si
5	6.03	5.3	6.03	5.3	174279	SLV 15	174279	729363	0.256	4.19							Si
31	6.03	5.3	6.03	5.3	84736	SLV 11	136893	729363	0.256	5.33	3184	SLV 5	-31361	-729363	0.256	23.26	Si
48	6.03	5.3	6.03	5.3	47541	SLV 11	82748	729363	0.256	8.81	-33377	SLV 5	-33377	-729363	0.256	21.85	Si
63	6.03	5.3	6.03	5.3	22627	SLV 7	15155	729363	0.256	48.13	-76928	SLV 9	-40360	-729363	0.256	18.07	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	147133	SLD 15	140415	729363	0.256	5.19							Si
5	6.03	5.3	6.03	5.3	133374	SLD 15	133374	729363	0.256	5.47							Si
31	6.03	5.3	6.03	5.3	61020	SLD 15	103676	729363	0.256	7.03	26900	SLD 1	-8032	-729363	0.256	90.81	Si
48	6.03	5.3	6.03	5.3	24125	SLD 11	58906	729363	0.256	12.38	-9961	SLD 5	-9961	-729363	0.256	73.22	Si
63	6.03	5.3	6.03	5.3							-49162	SLD 9	-22261	-729363	0.256	32.76	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-4068	SLU 47	-4068	-5737	-40761	-9681	-9681	1	2.38	Si
5	0.079	6.03	0	-4087	SLU 47	-4087	-5737	-40761	-9681	-9681	1	2.37	Si
31	0.079	6.03	0	-4190	SLU 47	-4190	-5737	-40761	-9681	-9681	1	2.31	Si
48	0.079	6.03	0	-4255	SLU 47	-4255	-5737	-40761	-9681	-9681	1	2.28	Si
63	0.079	6.03	0	-4313	SLU 47	-4313	-5737	-40761	-9681	-9681	1	2.24	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-3628	SLV 15	-3628	-5737	-40761	-9681	-9681	1	2.67	Si
5	0.079	6.03	0	-3643	SLV 15	-3643	-5737	-40761	-9681	-9681	1	2.66	Si
31	0.079	6.03	0	-3723	SLV 15	-3723	-5737	-40761	-9681	-9681	1	2.6	Si
48	0.079	6.03	0	-3772	SLV 15	-3772	-5737	-40761	-9681	-9681	1	2.57	Si
63	0.079	6.03	0	-3817	SLV 15	-3817	-5737	-40761	-9681	-9681	1	2.54	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-2802	SLD 15	-2802	-5737	-40761	-9681	-9681	1	3.46	Si
5	0.079	6.03	0	-2817	SLD 15	-2817	-5737	-40761	-9681	-9681	1	3.44	Si
31	0.079	6.03	0	-2896	SLD 15	-2896	-5737	-40761	-9681	-9681	1	3.34	Si
48	0.079	6.03	0	-2946	SLD 15	-2946	-5737	-40761	-9681	-9681	1	3.29	Si
63	0.079	6.03	0	-2991	SLD 15	-2991	-5737	-40761	-9681	-9681	1	3.24	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	140005	10	133965	13.5	184.3	201.9	3600	112094	2	106803	10.7	138.2			Si
5	127888	10	127888	12.8	184.3	192.7	3600	101476	2	101476	10.2	138.2			Si
31	62421	10	101473	10.2	184.3	152.9	3600	43960	2	78300	7.9	138.2			Si
48	20592	10	60422	6.1	184.3	91	3600	7082	2	42200	4.2	138.2			Si
48	-31546	5	-31546	3.2	184.3	47.5	3600								Si
63	-72707	5	-51958	5.2	184.3	78.3	3600	-31012	1	-14691	1.5	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.032	0.023	0.028	0.02	0.027	0.023	0.024	0.02	0.026	0.023	0.056	2	0.051	2	7932	Si
5	0.03	0.022	0.026	0.019	0.025	0.022	0.022	0.019	0.024	0.022	0.052	2	0.048	2	8550	Si
31	0.017	0.012	0.015	0.01	0.014	0.012	0.012	0.01	0.013	0.012	0.029	2	0.026	2	9999	Si
48	0.008	0.006	0.007	0.005	0.007	0.006	0.006	0.005	0.006	0.006	0.014	2	0.013	2	9999	Si

Campata 7 , sezione R 30x40, asta 235

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3							-146330	SLU 43	-97844	-764836	0.156	7.82	Si
15	6.03	5.3	6.03	5.3	33480	SLU 24	128563	764836	0.156	5.95	-56186	SLU 30	-56186	-764836	0.156	13.61	Si
19	6.03	5.3	6.03	5.3	53135	SLU 24	136722	764836	0.156	5.59	-36769	SLU 30	-56186	-764836	0.156	13.61	Si
32	6.03	5.3	6.03	5.3	136722	SLU 50	136722	764836	0.156	5.59	29555	SLU 4	-48996	-764836	0.156	15.61	Si
37	6.03	5.3	6.03	5.3	168163	SLU 50	152467	764836	0.156	5.02							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	240076	SLV 11	240076	729363	0.256	3.04	-358420	SLV 5	-303896	-729363	0.256	2.4	Si
15	6.03	5.3	6.03	5.3	259014	SLV 11	285200	729363	0.256	2.56	-255167	SLV 5	-255167	-729363	0.256	2.86	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
19	6.03	5.3	6.03	5.3	264199	SLV 11	287731	729363	0.256	2.53	-232033	SLV 5	-255167	-729363	0.256	2.86	Si
32	6.03	5.3	6.03	5.3	287731	SLV 11	287731	729363	0.256	2.53	-147031	SLV 5	-246562	-729363	0.256	2.96	Si
37	6.03	5.3	6.03	5.3	298139	SLV 11	291613	729363	0.256	2.5	-117518	SLV 5	-117518	-729363	0.256	6.21	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	61079	SLD 11	61079	729363	0.256	11.94	-179423	SLD 5	-139456	-729363	0.256	5.23	Si
15	6.03	5.3	6.03	5.3	105272	SLD 11	154577	729363	0.256	4.72	-101424	SLD 5	-101424	-729363	0.256	7.19	Si
19	6.03	5.3	6.03	5.3	115947	SLD 11	158821	729363	0.256	4.59	-83782	SLD 5	-101424	-729363	0.256	7.19	Si
32	6.03	5.3	6.03	5.3	158821	SLD 11	158821	729363	0.256	4.59	-18121	SLD 5	-94871	-729363	0.256	7.69	Si
37	6.03	5.3	6.03	5.3	175512	SLD 11	166269	729363	0.256	4.39							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	7398	SLU 47	7398	5737	40761	9681	9681	1	1.31	Si
15	0.079	6.03	0	7339	SLU 47	7339	5737	40761	9681	9681	1	1.32	Si
19	0.079	6.03	0	7326	SLU 47	7326	5737	40761	9681	9681	1	1.32	Si
32	0.079	6.03	0	7273	SLU 47	7273	5737	40761	9681	9681	1	1.33	Si
37	0.079	6.03	0	7254	SLU 47	7254	5737	40761	9681	9681	1	1.33	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	7977	SLV 9	7977	5737	40761	9681	9681	1	1.21	Si
15	0.079	6.03	0	7932	SLV 9	7932	5737	40761	9681	9681	1	1.22	Si
19	0.079	6.03	0	7922	SLV 9	7922	5737	40761	9681	9681	1	1.22	Si
32	0.079	6.03	0	7881	SLV 9	7881	5737	40761	9681	9681	1	1.23	Si
37	0.079	6.03	0	7866	SLV 9	7866	5737	40761	9681	9681	1	1.23	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	5764	SLD 9	5764	5737	40761	9681	9681	1	1.68	Si
15	0.079	6.03	0	5719	SLD 9	5719	5737	40761	9681	9681	1	1.69	Si
19	0.079	6.03	0	5708	SLD 9	5708	5737	40761	9681	9681	1	1.7	Si
32	0.079	6.03	0	5668	SLD 9	5668	5737	40761	9681	9681	1	1.71	Si
37	0.079	6.03	0	5653	SLD 9	5653	5737	40761	9681	9681	1	1.71	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-104504	4	-69268	7	184.3	104.4	3600	-61260	1	-32376	3.3	138.2			Si
15	17446	11	88898	8.9	184.3	133.9	3600	1924	2	65168	6.5	138.2			Si
15	-34369	4	-34369	3.5	184.3	51.8	3600	-3829	1	-3829	0.4	138.2			Si
19	33434	11	94757	9.5	184.3	142.8	3600	16083	2	70350	7.1	138.2			Si
19	-18101	4	-34369	3.5	184.3	51.8	3600								Si
32	94757	11	94757	9.5	184.3	142.8	3600	70350	2	70350	7.1	138.2			Si
37	117331	11	106063	10.7	184.3	159.8	3600	90311	2	80349	8.1	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
19	0.004	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si
32	0.007	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.005	0.005	0.011	2	0.01	2	9999	Si
37	0.008	0.006	0.006	0.004	0.007	0.006	0.005	0.004	0.006	0.006	0.012	2	0.011	2	9999	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	75491	SLU 50	75491	764836	0.156	10.13							Si
5	6.03	5.3	6.03	5.3	83929	SLU 50	109798	764836	0.156	6.97							Si
50	6.03	5.3	6.03	5.3	158048	SLU 52	158048	764836	0.156	4.84							Si
63	6.03	5.3	6.03	5.3	133434	SLU 52	158048	764836	0.156	4.84							Si
95	6.03	5.3	6.03	5.3	153755	SLU 51	153755	764836	0.156	4.97							Si
100	6.03	5.3	6.03	5.3	156669	SLU 51	155236	764836	0.156	4.93							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	210789	SLV 11	209202	729363	0.256	3.49	-140530	SLV 5	-133179	-729363	0.256	5.48	Si
5	6.03	5.3	6.03	5.3	207469	SLV 11	207469	729363	0.256	3.52	-125757	SLV 5	-125757	-729363	0.256	5.8	Si
50	6.03	5.3	6.03	5.3	175149	SLV 11	186833	729363	0.256	3.9	2904	SLV 5	-41029	-729363	0.256	17.78	Si
95	6.03	5.3	6.03	5.3	94493	SLV 5	98785	729363	0.256	7.38							Si
100	6.03	5.3	6.03	5.3	102436	SLV 5	98911	729363	0.256	7.37							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	105778	SLD 11	105778	729363	0.256	6.9	-35520	SLD 5	-30857	-729363	0.256	23.64	Si
5	6.03	5.3	6.03	5.3	107887	SLD 11	114064	729363	0.256	6.39	-26174	SLD 5	-26174	-729363	0.256	27.87	Si
50	6.03	5.3	6.03	5.3	123969	SLD 11	123969	729363	0.256	5.88							Si
63	6.03	5.3	6.03	5.3	91693	SLD 11	123969	729363	0.256	5.88							Si
95	6.03	5.3	6.03	5.3	89930	SLD 5	89930	729363	0.256	8.11							Si
100	6.03	5.3	6.03	5.3	93904	SLD 5	92156	729363	0.256	7.91							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	2217	SLU 47	2217	5737	40761	9681	9681	1	4.37	Si
5	0.079	6.03	0	2197	SLU 47	2197	5737	40761	9681	9681	1	4.41	Si
50	0.079	6.03	0	2022	SLU 47	2022	5737	40761	9681	9681	1	4.79	Si
95	0.079	6.03	0	738	SLU 47	738	5737	40761	9681	9681	1	13.12	Si
100	0.079	6.03	0	718	SLU 47	718	5737	40761	9681	9681	1	13.48	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	2984	SLV 5	2984	5737	40761	9681	9681	1	3.24	Si
0	0.079	6.03	0	-678	SLV 11	-678	-5737	-40761	-9681	-9681	1	14.28	Si
5	0.079	6.03	0	2969	SLV 5	2969	5737	40761	9681	9681	1	3.26	Si
5	0.079	6.03	0	-693	SLV 11	-693	-5737	-40761	-9681	-9681	1	13.97	Si
50	0.079	6.03	0	2834	SLV 5	2834	5737	40761	9681	9681	1	3.42	Si
50	0.079	6.03	0	-828	SLV 11	-828	-5737	-40761	-9681	-9681	1	11.69	Si
95	0.079	6.03	0	1767	SLV 5	1767	5737	40761	9681	9681	1	5.48	Si
95	0.079	6.03	0	-1165	SLV 11	-1165	-5737	-40761	-9681	-9681	1	8.31	Si
100	0.079	6.03	0	1752	SLV 5	1752	5737	40761	9681	9681	1	5.52	Si
100	0.079	6.03	0	-1180	SLV 11	-1180	-5737	-40761	-9681	-9681	1	8.2	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	1888	SLD 5	1888	5737	40761	9681	9681	1	5.13	Si
5	0.079	6.03	0	1873	SLD 5	1873	5737	40761	9681	9681	1	5.17	Si
50	0.079	6.03	0	1738	SLD 5	1738	5737	40761	9681	9681	1	5.57	Si
95	0.079	6.03	0	891	SLD 5	891	5737	40761	9681	9681	1	10.87	Si
95	0.079	6.03	0	-288	SLD 11	-288	-5737	-40761	-9681	-9681	1	33.57	Si
100	0.079	6.03	0	876	SLD 5	876	5737	40761	9681	9681	1	11.06	Si
100	0.079	6.03	0	-303	SLD 11	-303	-5737	-40761	-9681	-9681	1	31.91	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	51590	11	51590	5.2	184.3	77.7	3600	35129	2	35129	3.5	138.2			Si
5	57733	11	76537	7.7	184.3	115.3	3600	40856	2	58355	5.9	138.2			Si
50	111348	13	111348	11.2	184.3	167.8	3600	89027	2	89027	8.9	138.2			Si
95	108856	12	108856	10.9	184.3	164	3600	86451	2	86451	8.7	138.2			Si
100	110915	12	109904	11	184.3	165.6	3600	87919	2	87204	8.8	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.008	0.006	0.006	0.004	0.007	0.006	0.005	0.004	0.006	0.006	0.012	2	0.011	2	9999	Si
5	0.009	0.006	0.007	0.005	0.007	0.006	0.006	0.005	0.007	0.006	0.014	2	0.012	2	9999	Si
50	0.015	0.011	0.012	0.009	0.012	0.011	0.01	0.009	0.012	0.011	0.024	2	0.022	2	9999	Si
95	0.017	0.012	0.014	0.01	0.014	0.013	0.012	0.01	0.014	0.013	0.028	2	0.026	2	9999	Si
97	0.017	0.012	0.014	0.01	0.014	0.013	0.012	0.01	0.014	0.013	0.028	2	0.026	2	9999	Si
100	0.017	0.012	0.014	0.01	0.014	0.013	0.012	0.01	0.014	0.013	0.028	2	0.026	2	9999	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	137371	SLU 47	136670	764836	0.156	5.6							Si
5	6.03	5.3	6.03	5.3	135921	SLU 47	135921	764836	0.156	5.63							Si
50	6.03	5.3	6.03	5.3	118478	SLU 47	125459	764836	0.156	6.1							Si
95	6.03	5.3	6.03	5.3	40940	SLU 43	62636	764836	0.156	12.21							Si
100	6.03	5.3	6.03	5.3	34886	SLU 43	34886	764836	0.156	21.92							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	118099	SLV 5	118099	729363	0.256	6.18							Si
5	6.03	5.3	6.03	5.3	124669	SLV 5	144973	729363	0.256	5.03	26679	SLV 11	-286	-729363	0.256	2547.01	Si
50	6.03	5.3	6.03	5.3	181100	SLV 5	211831	729363	0.256	3.44	-52777	SLV 11	-126590	-729363	0.256	5.76	Si
95	6.03	5.3	6.03	5.3	239845	SLV 5	239845	729363	0.256	3.04	-201397	SLV 11	-201397	-729363	0.256	3.62	Si
100	6.03	5.3	6.03	5.3	244371	SLV 5	242129	729363	0.256	3.01	-214424	SLV 11	-214424	-729363	0.256	3.4	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	93475	SLD 5	93475	729363	0.256	7.8							Si
5	6.03	5.3	6.03	5.3	95564	SLD 5	101720	729363	0.256	7.17							Si
50	6.03	5.3	6.03	5.3	111352	SLD 5	111352	729363	0.256	6.55	16970	SLD 11	-25634	-729363	0.256	28.45	Si
63	6.03	5.3	6.03	5.3	110984	SLD 5	111352	729363	0.256	6.55	-22173	SLD 11	-45385	-729363	0.256	16.07	Si
95	6.03	5.3	6.03	5.3	108179	SLD 5	109942	729363	0.256	6.63	-69730	SLD 11	-69730	-729363	0.256	10.46	Si
100	6.03	5.3	6.03	5.3	107462	SLD 5	107462	729363	0.256	6.79	-77515	SLD 11	-73605	-729363	0.256	9.91	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-375	SLU 50	-375	-5737	-40761	-9681	-9681	1	25.83	Si
5	0.079	6.03	0	-394	SLU 50	-394	-5737	-40761	-9681	-9681	1	24.56	Si
50	0.079	6.03	0	-570	SLU 50	-570	-5737	-40761	-9681	-9681	1	16.99	Si
95	0.079	6.03	0	-1462	SLU 52	-1462	-5737	-40761	-9681	-9681	1	6.62	Si
100	0.079	6.03	0	-1482	SLU 52	-1482	-5737	-40761	-9681	-9681	1	6.53	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	1345	SLV 5	1345	5737	40761	9681	9681	1	7.2	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-1691	SLV 11	-1691	-5737	-40761	-9681	-9681	1	5.72	Si
5	0.079	6.03	0	1330	SLV 5	1330	5737	40761	9681	9681	1	7.28	Si
5	0.079	6.03	0	-1706	SLV 11	-1706	-5737	-40761	-9681	-9681	1	5.67	Si
50	0.079	6.03	0	1195	SLV 5	1195	5737	40761	9681	9681	1	8.1	Si
50	0.079	6.03	0	-1841	SLV 11	-1841	-5737	-40761	-9681	-9681	1	5.26	Si
95	0.079	6.03	0	913	SLV 5	913	5737	40761	9681	9681	1	10.6	Si
95	0.079	6.03	0	-2599	SLV 11	-2599	-5737	-40761	-9681	-9681	1	3.72	Si
100	0.079	6.03	0	898	SLV 5	898	5737	40761	9681	9681	1	10.77	Si
100	0.079	6.03	0	-2614	SLV 11	-2614	-5737	-40761	-9681	-9681	1	3.7	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	438	SLD 5	438	5737	40761	9681	9681	1	22.11	Si
0	0.079	6.03	0	-784	SLD 11	-784	-5737	-40761	-9681	-9681	1	12.34	Si
5	0.079	6.03	0	423	SLD 5	423	5737	40761	9681	9681	1	22.9	Si
5	0.079	6.03	0	-799	SLD 11	-799	-5737	-40761	-9681	-9681	1	12.11	Si
50	0.079	6.03	0	288	SLD 5	288	5737	40761	9681	9681	1	33.64	Si
50	0.079	6.03	0	-934	SLD 11	-934	-5737	-40761	-9681	-9681	1	10.36	Si
95	0.079	6.03	0	-1550	SLD 11	-1550	-5737	-40761	-9681	-9681	1	6.25	Si
100	0.079	6.03	0	-1565	SLD 11	-1565	-5737	-40761	-9681	-9681	1	6.19	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	97541	8	97062	9.7	184.3	146.2	3600	76578	2	76145	7.6	138.2			Si
5	96546	8	96546	9.7	184.3	145.5	3600	75674	2	75674	7.6	138.2			Si
50	84216	8	89206	9	184.3	134.4	3600	64161	2	68866	6.9	138.2			Si
95	29508	4	44969	4.5	184.3	67.8	3600	19253	1	32086	3.2	138.2			Si
100	25134	4	25134	2.5	184.3	37.9	3600	15312	1	15312	1.5	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.017	0.012	0.014	0.01	0.014	0.013	0.012	0.01	0.014	0.013	0.028	2	0.026	2	9999	Si
5	0.017	0.012	0.014	0.01	0.014	0.013	0.012	0.01	0.014	0.013	0.028	2	0.026	2	9999	Si
50	0.015	0.011	0.012	0.009	0.012	0.011	0.01	0.009	0.012	0.011	0.024	2	0.022	2	9999	Si
95	0.01	0.007	0.007	0.005	0.008	0.007	0.006	0.005	0.007	0.007	0.015	2	0.014	2	9999	Si
100	0.009	0.006	0.007	0.005	0.007	0.006	0.005	0.005	0.007	0.006	0.013	2	0.012	2	9999	Si

Campata 10 , sezione R 30x40, asta 240

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	50854	SLU 47	40047	764836	0.156	19.1							Si
5	6.03	5.3	6.03	5.3	31110	SLU 30	31110	764836	0.156	24.59	6622	SLU 19	-54980	-764836	0.156	13.91	Si
34	6.03	5.3	6.03	5.3							-114708	SLU 52	-188129	-764836	0.156	4.07	Si
59	6.03	5.3	6.03	5.3							-231720	SLU 52	-274871	-764836	0.156	2.78	Si
68	6.03	5.3	6.03	5.3							-274871	SLU 52	-274871	-764836	0.156	2.78	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	266427	SLV 5	266427	729363	0.256	2.74	-214491	SLV 11	-214491	-729363	0.256	3.4	Si
5	6.03	5.3	6.03	5.3	269385	SLV 5	278380	729363	0.256	2.62	-242341	SLV 11	-330487	-729363	0.256	2.21	Si
34	6.03	5.3	6.03	5.3	285567	SLV 5	293485	729363	0.256	2.49	-405835	SLV 11	-495639	-729363	0.256	1.47	Si
59	6.03	5.3	6.03	5.3	297833	SLV 5	301877	729363	0.256	2.42	-548792	SLV 11	-601284	-729363	0.256	1.21	Si
68	6.03	5.3	6.03	5.3	301877	SLV 5	301877	729363	0.256	2.42	-601284	SLV 11	-601284	-729363	0.256	1.21	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	122767	SLD 5	119610	729363	0.256	6.1	-70832	SLD 11	-70832	-729363	0.256	10.3	Si
5	6.03	5.3	6.03	5.3	116548	SLD 5	116548	729363	0.256	6.26	-89504	SLD 11	-148731	-729363	0.256	4.9	Si
34	6.03	5.3	6.03	5.3	79254	SLD 5	99722	729363	0.256	7.31	-199522	SLD 11	-260261	-729363	0.256	2.8	Si
59	6.03	5.3	6.03	5.3	45356	SLD 5	66912	729363	0.256	10.9	-296315	SLD 11	-331997	-729363	0.256	2.2	Si
68	6.03	5.3	6.03	5.3	32590	SLD 5	54553	729363	0.256	13.37	-331997	SLD 11	-331997	-729363	0.256	2.2	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-4512	SLU 52	-4512	-5737	-40761	-9681	-9681	1	2.15	Si
5	0.079	6.03	0	-4531	SLU 52	-4531	-5737	-40761	-9681	-9681	1	2.14	Si
34	0.079	6.03	0	-4644	SLU 52	-4644	-5737	-40761	-9681	-9681	1	2.08	Si
68	0.079	6.03	0	-4777	SLU 52	-4777	-5737	-40761	-9681	-9681	1	2.03	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	652	SLV 5	652	5737	40761	9681	9681	1	14.85	Si
0	0.079	6.03	0	-5615	SLV 11	-5615	-5737	-40761	-9681	-9681	1	1.72	Si
5	0.079	6.03	0	637	SLV 5	637	5737	40761	9681	9681	1	15.2	Si
5	0.079	6.03	0	-5630	SLV 11	-5630	-5737	-40761	-9681	-9681	1	1.72	Si
34	0.079	6.03	0	550	SLV 5	550	5737	40761	9681	9681	1	17.61	Si
34	0.079	6.03	0	-5717	SLV 11	-5717	-5737	-40761	-9681	-9681	1	1.69	Si
68	0.079	6.03	0	448	SLV 5	448	5737	40761	9681	9681	1	21.62	Si
68	0.079	6.03	0	-5819	SLV 11	-5819	-5737	-40761	-9681	-9681	1	1.66	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.079	6.03	0	-3753	SLD 11	-3753	-5737	-40761	-9681	-9681	1	2.58	Si
5	0.079	6.03	0	-3768	SLD 11	-3768	-5737	-40761	-9681	-9681	1	2.57	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
34	0.079	6.03	0	-3855	SLD 11	-3855	-5737	-40761	-9681	-9681	1	2.51	Si
68	0.079	6.03	0	-3957	SLD 11	-3957	-5737	-40761	-9681	-9681	1	2.45	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	36730	8	29098	2.9	184.3	43.8	3600	25968	2	19862	2	138.2			Si
5	22418	4	22418	2.3	184.3	33.8	3600	14144	1	14144	1.4	138.2			Si
34	-79677	13	-131568	13.2	184.3	198.2	3600	-60134	2	-101077	10.2	138.2			Si
68	-192948	13	-192948	19.4	184.3	290.7	3600	-149703	2	-149703	15	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.009	0.006	0.007	0.005	0.007	0.006	0.005	0.005	0.007	0.006	0.013	2	0.012	2	9999	Si
5	0.008	0.006	0.006	0.004	0.007	0.006	0.005	0.004	0.006	0.006	0.012	2	0.011	2	9999	Si
34	0.004	0.002	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.005	2	9999	Si

Trave P9 (30x40) dx - Cp1

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x40	Rettangolare	30	40	3.5	3.5	3.5

Output campate

Campata 1, sezione R 30x40, asta 243

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3							-244568	SLU 47	-221076	-764836	0.156	3.46	Si
15	6.03	5.3	6.03	5.3							-198205	SLU 51	-198205	-764836	0.156	3.86	Si
43	6.03	5.3	6.03	5.3							-115815	SLU 51	-162508	-764836	0.156	4.71	Si
80	6.03	5.3	6.03	5.3	13863	SLU 5	13863	764836	0.156	55.17	-17855	SLU 49	-57149	-764836	0.156	13.38	Si
85	6.03	5.3	6.03	5.3	24756	SLU 18	23951	764836	0.156	31.93	-6812	SLU 36	-6812	-764836	0.156	112.27	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	37531	SLV 11	37165	729363	0.256	19.63	-313988	SLV 5	-287429	-729363	0.256	2.54	Si
15	6.03	5.3	6.03	5.3	53077	SLV 11	68703	729363	0.256	10.62	-277818	SLV 5	-277818	-729363	0.256	2.63	Si
43	6.03	5.3	6.03	5.3	80010	SLV 11	94504	729363	0.256	7.72	-213431	SLV 5	-249894	-729363	0.256	2.92	Si
80	6.03	5.3	6.03	5.3	113619	SLV 11	113619	729363	0.256	6.42	-129836	SLV 5	-164238	-729363	0.256	4.44	Si
85	6.03	5.3	6.03	5.3	117849	SLV 11	117580	729363	0.256	6.2	-119072	SLV 5	-119072	-729363	0.256	6.13	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3							-223960	SLD 5	-204266	-729363	0.256	3.57	Si
15	6.03	5.3	6.03	5.3							-193039	SLD 5	-193039	-729363	0.256	3.78	Si
43	6.03	5.3	6.03	5.3	4733	SLD 11	24563	729363	0.256	29.69	-138154	SLD 5	-169212	-729363	0.256	4.31	Si
80	6.03	5.3	6.03	5.3	50935	SLD 11	50935	729363	0.256	14.32	-67152	SLD 5	-96344	-729363	0.256	7.57	Si
85	6.03	5.3	6.03	5.3	56801	SLD 11	56524	729363	0.256	12.9	-58023	SLD 5	-58023	-729363	0.256	12.57	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.106	6.03	0	3267	SLU 47	3267	5737	40761	12986	12986	1	3.97	Si
15	0.106	6.03	0	3208	SLU 47	3208	5737	40761	12986	12986	1	4.05	Si
43	0.106	6.03	0	3101	SLU 47	3101	5737	40761	12986	12986	1	4.19	Si
80	0.106	6.03	0	2955	SLU 47	2955	5737	40761	12986	12986	1	4.39	Si
85	0.106	6.03	0	2935	SLU 47	2935	5737	40761	12986	12986	1	4.42	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.106	6.03	0	2466	SLV 7	2466	5737	40761	12986	12986	1	5.27	Si
15	0.106	6.03	0	2421	SLV 7	2421	5737	40761	12986	12986	1	5.36	Si
43	0.106	6.03	0	2339	SLV 7	2339	5737	40761	12986	12986	1	5.55	Si
80	0.106	6.03	0	2226	SLV 7	2226	5737	40761	12986	12986	1	5.83	Si
85	0.106	6.03	0	2211	SLV 7	2211	5737	40761	12986	12986	1	5.87	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.106	6.03	0	2095	SLD 7	2095	5737	40761	12986	12986	1	6.2	Si
15	0.106	6.03	0	2050	SLD 7	2050	5737	40761	12986	12986	1	6.34	Si
43	0.106	6.03	0	1967	SLD 7	1967	5737	40761	12986	12986	1	6.6	Si
80	0.106	6.03	0	1855	SLD 7	1855	5737	40761	12986	12986	1	7	Si
85	0.106	6.03	0	1840	SLD 7	1840	5737	40761	12986	12986	1	7.06	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-174380	8	-157604	15.8	184.3	237.5	3600	-138229	2	-125132	12.6	138.2			Si
15	-141286	12	-141286	14.2	184.3	212.9	3600	-112371	2	-112371	11.3	138.2			Si
43	-82586	12	-115832	11.6	184.3	174.5	3600	-66711	2	-92510	9.3	138.2			Si
80	7078	5	7078	0.7	184.3	10.7	3600								Si
80	-12621	10	-40700	4.1	184.3	61.3	3600	-8109	2	-32139	3.2	138.2			Si
85	16157	5	15605	1.6	184.3	23.5	3600	770	1	521	0.1	138.2			Si
85	-3835	10	-3835	0.4	184.3	5.8	3600	-611	2	-611	0.1	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
43	0.011	0.007	0.01	0.006	0.009	0.007	0.007	0.006	0.008	0.007	0.017	2	0.016	2	9999	Si
80	0.024	0.016	0.02	0.014	0.018	0.016	0.015	0.014	0.017	0.016	0.037	2	0.035	2	9999	Si
85	0.025	0.017	0.022	0.015	0.019	0.017	0.017	0.015	0.018	0.017	0.04	2	0.037	2	9999	Si

Campata 2, sezione R 30x40, asta 244

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	24756	SLU 18	23951	764836	0.156	31.93	-6813	SLU 36	-6813	-764836	0.156	112.27	Si
5	6.03	5.3	6.03	5.3	33829	SLU 44	64110	764836	0.156	11.93							Si
50	6.03	5.3	6.03	5.3	124227	SLU 48	155090	764836	0.156	4.93							Si
95	6.03	5.3	6.03	5.3	210327	SLU 47	210327	764836	0.156	3.64							Si
100	6.03	5.3	6.03	5.3	219425	SLU 47	218501	764836	0.156	3.5							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	117848	SLV 11	117580	729363	0.256	6.2	-119071	SLV 5	-119071	-729363	0.256	6.13	Si
5	6.03	5.3	6.03	5.3	120913	SLV 11	130210	729363	0.256	5.6	-109516	SLV 5	-109516	-729363	0.256	6.66	Si
50	6.03	5.3	6.03	5.3	146394	SLV 7	154656	729363	0.256	4.72	-28084	SLV 9	-55506	-729363	0.256	13.14	Si
95	6.03	5.3	6.03	5.3	170102	SLV 7	170102	729363	0.256	4.29							Si
100	6.03	5.3	6.03	5.3	172847	SLV 7	172642	729363	0.256	4.22							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	56800	SLD 11	56524	729363	0.256	12.9	-58023	SLD 5	-58023	-729363	0.256	12.57	Si
5	6.03	5.3	6.03	5.3	61485	SLD 11	75777	729363	0.256	9.63	-50089	SLD 5	-50089	-729363	0.256	14.56	Si
50	6.03	5.3	6.03	5.3	100738	SLD 7	113281	729363	0.256	6.44	17573	SLD 9	-5247	-729363	0.256	139	Si
95	6.03	5.3	6.03	5.3	135450	SLD 7	135450	729363	0.256	5.38							Si
100	6.03	5.3	6.03	5.3	139122	SLD 7	138873	729363	0.256	5.25							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.106	6.03	0	2199	SLU 47	2199	5737	40761	12986	12986	1	5.91	Si
5	0.106	6.03	0	2179	SLU 47	2179	5737	40761	12986	12986	1	5.96	Si
50	0.106	6.03	0	2004	SLU 47	2004	5737	40761	12986	12986	1	6.48	Si
95	0.106	6.03	0	1828	SLU 47	1828	5737	40761	12986	12986	1	7.1	Si
100	0.106	6.03	0	1809	SLU 47	1809	5737	40761	12986	12986	1	7.18	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.106	6.03	0	1990	SLV 7	1990	5737	40761	12986	12986	1	6.53	Si
5	0.106	6.03	0	1975	SLV 7	1975	5737	40761	12986	12986	1	6.58	Si
50	0.106	6.03	0	1840	SLV 7	1840	5737	40761	12986	12986	1	7.06	Si
95	0.106	6.03	0	1705	SLV 7	1705	5737	40761	12986	12986	1	7.62	Si
100	0.106	6.03	0	1690	SLV 7	1690	5737	40761	12986	12986	1	7.68	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.106	6.03	0	1618	SLD 7	1618	5737	40761	12986	12986	1	8.02	Si
5	0.106	6.03	0	1603	SLD 7	1603	5737	40761	12986	12986	1	8.1	Si
50	0.106	6.03	0	1468	SLD 7	1468	5737	40761	12986	12986	1	8.84	Si
95	0.106	6.03	0	1333	SLD 7	1333	5737	40761	12986	12986	1	9.74	Si
100	0.106	6.03	0	1318	SLD 7	1318	5737	40761	12986	12986	1	9.85	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	16157	5	15605	1.6	184.3	23.5	3600	770	1	521	0.1	138.2			Si
0	-3835	10	-3835	0.4	184.3	5.8	3600	-612	2	-612	0.1	138.2			Si
5	22958	5	44792	4.5	184.3	67.5	3600	6649	1	25045	2.5	138.2			Si
50	87678	9	109617	11	184.3	165.2	3600	59155	2	76377	7.7	138.2			Si
95	148722	8	148722	14.9	184.3	224.1	3600	106529	2	106529	10.7	138.2			Si
100	155143	8	154521	15.5	184.3	232.8	3600	111422	2	111143	11.2	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.025	0.017	0.022	0.015	0.019	0.017	0.017	0.015	0.018	0.017	0.04	2	0.037	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
5	0.027	0.018	0.023	0.016	0.021	0.018	0.018	0.016	0.019	0.018	0.042	2	0.04	2	9999	Si
50	0.041	0.028	0.036	0.024	0.032	0.028	0.027	0.024	0.03	0.028	0.066	2	0.062	2	6797	Si
95	0.052	0.036	0.045	0.031	0.04	0.036	0.035	0.031	0.038	0.036	0.084	2	0.079	2	5312	Si
100	0.053	0.036	0.046	0.031	0.041	0.036	0.036	0.031	0.039	0.036	0.086	2	0.08	2	5217	Si

Campata 3 , sezione R 30x40, asta 245

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	219425	SLU 47	218501	764836	0.156	3.5							Si
5	6.03	5.3	6.03	5.3	224737	SLU 47	240792	764836	0.156	3.18							Si
35	6.03	5.3	6.03	5.3	254571	SLU 47	268786	764836	0.156	2.85							Si
70	6.03	5.3	6.03	5.3	284939	SLU 47	284939	764836	0.156	2.68							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	172847	SLV 7	172642	729363	0.256	4.22							Si
5	6.03	5.3	6.03	5.3	174555	SLV 7	180503	729363	0.256	4.04							Si
35	6.03	5.3	6.03	5.3	187005	SLV 7	195733	729363	0.256	3.73							Si
70	6.03	5.3	6.03	5.3	208895	SLV 7	208895	729363	0.256	3.49							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	139122	SLD 7	138873	729363	0.256	5.25							Si
5	6.03	5.3	6.03	5.3	141669	SLD 7	149652	729363	0.256	4.87							Si
35	6.03	5.3	6.03	5.3	157093	SLD 7	165763	729363	0.256	4.4							Si
68	6.03	5.3	6.03	5.3	175925	SLD 7	177387	729363	0.256	4.11							Si
70	6.03	5.3	6.03	5.3	177387	SLD 7	177387	729363	0.256	4.11							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.106	6.03	0	1243	SLU 49	1243	5737	40761	12986	12986	1	10.45	Si
5	0.106	6.03	0	1223	SLU 49	1223	5737	40761	12986	12986	1	10.61	Si
35	0.106	6.03	0	1106	SLU 49	1106	5737	40761	12986	12986	1	11.74	Si
70	0.106	6.03	0	970	SLU 49	970	5737	40761	12986	12986	1	13.39	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.106	6.03	0	1469	SLV 7	1469	5737	40761	12986	12986	1	8.84	Si
5	0.106	6.03	0	1454	SLV 7	1454	5737	40761	12986	12986	1	8.93	Si
35	0.106	6.03	0	1364	SLV 7	1364	5737	40761	12986	12986	1	9.52	Si
35	0.106	6.03	0	-76	SLV 9	-76	-5737	-40761	-12986	-12986	1	171.88	Si
70	0.106	6.03	0	1259	SLV 7	1259	5737	40761	12986	12986	1	10.32	Si
70	0.106	6.03	0	-181	SLV 9	-181	-5737	-40761	-12986	-12986	1	71.92	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.106	6.03	0	1097	SLD 7	1097	5737	40761	12986	12986	1	11.84	Si
5	0.106	6.03	0	1082	SLD 7	1082	5737	40761	12986	12986	1	12	Si
35	0.106	6.03	0	992	SLD 7	992	5737	40761	12986	12986	1	13.09	Si
70	0.106	6.03	0	887	SLD 7	887	5737	40761	12986	12986	1	14.64	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	155143	8	154521	15.5	184.3	232.8	3600	111422	2	111143	11.2	138.2			Si
5	159006	8	170653	17.1	184.3	257.1	3600	115129	2	126289	12.7	138.2			Si
35	180612	8	190845	19.2	184.3	287.6	3600	135804	2	145549	14.6	138.2			Si
70	202407	8	202407	20.3	184.3	305	3600	156512	2	156512	15.7	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
0	0.053	0.036	0.046	0.031	0.041	0.036	0.036	0.031	0.039	0.036	0.086	2	0.08	2	5217	Si
5	0.053	0.037	0.046	0.032	0.042	0.037	0.036	0.032	0.04	0.037	0.087	2	0.081	2	5132	Si
35	0.057	0.039	0.049	0.034	0.044	0.039	0.039	0.034	0.042	0.039	0.093	2	0.087	2	4815	Si
51	0.057	0.04	0.049	0.034	0.045	0.04	0.039	0.034	0.043	0.04	0.094	2	0.087	2	4766	Si
70	0.056	0.039	0.048	0.034	0.045	0.039	0.038	0.034	0.043	0.04	0.093	2	0.086	2	4817	Si

Campata 4 , sezione R 30x40, asta 246

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	262387	SLU 47	262387	764836	0.156	2.91							Si
14	6.03	5.3	6.03	5.3	251568	SLU 47	262387	764836	0.156	2.91							Si
15	6.03	5.3	6.03	5.3	250765	SLU 47	262387	764836	0.156	2.91							Si
25	6.03	5.3	6.03	5.3	242530	SLU 47	255289	764836	0.156	3							Si
30	6.03	5.3	6.03	5.3	238266	SLU 47	238266	764836	0.156	3.21							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	191690	SLV 7	191690	729363	0.256	3.8							Si
14	6.03	5.3	6.03	5.3	185280	SLV 7	191690	729363	0.256	3.8							Si
15	6.03	5.3	6.03	5.3	184825	SLV 7	191690	729363	0.256	3.8							Si
25	6.03	5.3	6.03	5.3	180303	SLV 7	187426	729363	0.256	3.89							Si
30	6.03	5.3	6.03	5.3	178061	SLV 7	178061	729363	0.256	4.1							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	162791	SLD 7	162791	729363	0.256	4.48							Si
11	6.03	5.3	6.03	5.3	158369	SLD 7	162791	729363	0.256	4.48							Si
15	6.03	5.3	6.03	5.3	156731	SLD 7	162791	729363	0.256	4.48							Si
25	6.03	5.3	6.03	5.3	152570	SLD 7	159062	729363	0.256	4.59							Si
30	6.03	5.3	6.03	5.3	150452	SLD 7	150452	729363	0.256	4.85							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.106	6.03	0	-748	SLU 48	-748	-5737	-40761	-12986	-12986	1	17.35	Si
15	0.106	6.03	0	-807	SLU 48	-807	-5737	-40761	-12986	-12986	1	16.09	Si
25	0.106	6.03	0	-846	SLU 48	-846	-5737	-40761	-12986	-12986	1	15.35	Si
30	0.106	6.03	0	-865	SLU 48	-865	-5737	-40761	-12986	-12986	1	15	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.106	6.03	0	44	SLV 9	44	5737	40761	12986	12986	1	294.31	Si
0	0.106	6.03	0	-761	SLV 7	-761	-5737	-40761	-12986	-12986	1	17.07	Si
15	0.106	6.03	0	-806	SLV 7	-806	-5737	-40761	-12986	-12986	1	16.12	Si
25	0.106	6.03	0	-836	SLV 7	-836	-5737	-40761	-12986	-12986	1	15.54	Si
30	0.106	6.03	0	-851	SLV 7	-851	-5737	-40761	-12986	-12986	1	15.27	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.106	6.03	0	-552	SLD 7	-552	-5737	-40761	-12986	-12986	1	23.52	Si
15	0.106	6.03	0	-597	SLD 7	-597	-5737	-40761	-12986	-12986	1	21.75	Si
25	0.106	6.03	0	-627	SLD 7	-627	-5737	-40761	-12986	-12986	1	20.71	Si
30	0.106	6.03	0	-642	SLD 7	-642	-5737	-40761	-12986	-12986	1	20.23	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	186316	8	186316	18.7	184.3	280.7	3600	143660	2	143660	14.4	138.2			Si
15	178080	8	186316	18.7	184.3	280.7	3600	137949	2	143660	14.4	138.2			Si
25	172215	8	181292	18.2	184.3	273.2	3600	133766	2	140200	14.1	138.2			Si
30	169170	8	169170	17	184.3	254.9	3600	131562	2	131562	13.2	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
0	0.056	0.039	0.048	0.034	0.045	0.039	0.038	0.034	0.043	0.04	0.093	2	0.086	2	4817	Si
15	0.055	0.038	0.047	0.033	0.043	0.038	0.037	0.033	0.041	0.038	0.091	2	0.084	2	4946	Si
25	0.053	0.037	0.046	0.032	0.042	0.037	0.037	0.032	0.04	0.038	0.088	2	0.082	2	5079	Si
30	0.052	0.037	0.045	0.031	0.042	0.037	0.036	0.032	0.04	0.037	0.087	2	0.08	2	5161	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	228439	SLU 47	223646	764836	0.156	3.42							Si
5	6.03	5.3	6.03	5.3	218803	SLU 47	218803	764836	0.156	3.5							Si
50	6.03	5.3	6.03	5.3	129517	SLU 51	161157	764836	0.156	4.75							Si
95	6.03	5.3	6.03	5.3	47882	SLU 49	76515	764836	0.156	10							Si
100	6.03	5.3	6.03	5.3	38563	SLU 49	38563	764836	0.156	19.83							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	175151	SLV 7	172709	729363	0.256	4.22							Si
5	6.03	5.3	6.03	5.3	169345	SLV 7	169345	729363	0.256	4.31							Si
50	6.03	5.3	6.03	5.3	116046	SLV 7	134830	729363	0.256	5.41							Si
95	6.03	5.3	6.03	5.3	83391	SLV 7	98292	729363	0.256	7.42	-31581	SLV 9	-31581	-729363	0.256	23.1	Si
100	6.03	5.3	6.03	5.3	78550	SLV 7	78550	729363	0.256	9.29	-38556	SLV 9	-34068	-729363	0.256	21.41	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	146999	SLD 7	144604	729363	0.256	5.04							Si
5	6.03	5.3	6.03	5.3	141680	SLD 7	141680	729363	0.256	5.15							Si
50	6.03	5.3	6.03	5.3	91697	SLD 7	109564	729363	0.256	6.66							Si
95	6.03	5.3	6.03	5.3	51939	SLD 7	68232	729363	0.256	10.69	-129	SLD 9	-129	-729363	0.256	5648.1	Si
100	6.03	5.3	6.03	5.3	46620	SLD 7	46620	729363	0.256	15.64	-6625	SLD 9	-2849	-729363	0.256	256.02	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.106	6.03	0	-1918	SLU 48	-1918	-5737	-40761	-12986	-12986	1	6.77	Si
5	0.106	6.03	0	-1937	SLU 48	-1937	-5737	-40761	-12986	-12986	1	6.7	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
50	0.106	6.03	0	-2113	SLU 48	-2113	-5737	-40761	-12986	-12986	1	6.15	Si
95	0.106	6.03	0	-2205	SLU 48	-2205	-5737	-40761	-12986	-12986	1	5.89	Si
100	0.106	6.03	0	-2225	SLU 48	-2225	-5737	-40761	-12986	-12986	1	5.84	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.106	6.03	0	-1357	SLV 3	-1357	-5737	-40761	-12986	-12986	1	9.57	Si
5	0.106	6.03	0	-1372	SLV 3	-1372	-5737	-40761	-12986	-12986	1	9.46	Si
50	0.106	6.03	0	-1507	SLV 3	-1507	-5737	-40761	-12986	-12986	1	8.62	Si
95	0.106	6.03	0	-1506	SLV 11	-1506	-5737	-40761	-12986	-12986	1	8.62	Si
100	0.106	6.03	0	-1521	SLV 11	-1521	-5737	-40761	-12986	-12986	1	8.54	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.106	6.03	0	-1170	SLD 3	-1170	-5737	-40761	-12986	-12986	1	11.1	Si
5	0.106	6.03	0	-1185	SLD 3	-1185	-5737	-40761	-12986	-12986	1	10.96	Si
50	0.106	6.03	0	-1320	SLD 3	-1320	-5737	-40761	-12986	-12986	1	9.84	Si
95	0.106	6.03	0	-1334	SLD 11	-1334	-5737	-40761	-12986	-12986	1	9.74	Si
100	0.106	6.03	0	-1349	SLD 11	-1349	-5737	-40761	-12986	-12986	1	9.63	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	162315	8	158928	16	184.3	239.5	3600	127438	2	124922	12.5	138.2			Si
5	155504	8	155504	15.6	184.3	234.3	3600	122368	2	122368	12.3	138.2			Si
50	92049	12	114606	11.5	184.3	172.7	3600	73364	2	91153	9.2	138.2			Si
95	33734	10	54339	5.5	184.3	81.9	3600	25905	2	43969	4.4	138.2			Si
100	27018	10	27018	2.7	184.3	40.7	3600	19997	2	19997	2	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.052	0.037	0.045	0.031	0.042	0.037	0.036	0.032	0.04	0.037	0.087	2	0.08	2	5161	Si
5	0.051	0.036	0.044	0.031	0.041	0.036	0.035	0.031	0.039	0.036	0.085	2	0.079	2	5255	Si
50	0.039	0.028	0.034	0.024	0.032	0.028	0.027	0.024	0.03	0.028	0.066	2	0.061	2	6784	Si
95	0.024	0.017	0.02	0.014	0.02	0.017	0.017	0.015	0.019	0.017	0.04	2	0.037	2	9999	Si
100	0.022	0.016	0.019	0.013	0.018	0.016	0.015	0.013	0.018	0.016	0.037	2	0.034	2	9999	Si

Campata 6 , sezione R 30x40, asta 249

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	92302	SLU 49	78133	764836	0.156	9.79							Si
5	6.03	5.3	6.03	5.3	63916	SLU 49	63916	764836	0.156	11.97	7979	SLU 5	-69556	-764836	0.156	11	Si
31	6.03	5.3	6.03	5.3	-54018	SLU 1	4660	764836	0.156	164.13	-138618	SLU 48	-244247	-764836	0.156	3.13	Si
48	6.03	5.3	6.03	5.3							-249618	SLU 48	-249618	-764836	0.156	3.06	Si
63	6.03	5.3	6.03	5.3							-351447	SLU 48	-300314	-764836	0.156	2.55	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	128658	SLV 7	122617	729363	0.256	5.95	-24534	SLV 9	-24534	-729363	0.256	29.73	Si
5	6.03	5.3	6.03	5.3	110704	SLV 7	110704	729363	0.256	6.59	-41709	SLV 9	-99517	-729363	0.256	7.33	Si
31	6.03	5.3	6.03	5.3	22833	SLV 7	73462	729363	0.256	9.93	-142512	SLV 9	-210400	-729363	0.256	3.47	Si
48	6.03	5.3	6.03	5.3	-25217	SLV 3	20376	729363	0.256	35.8	-214071	SLV 13	-214071	-729363	0.256	3.41	Si
63	6.03	5.3	6.03	5.3							-285377	SLV 13	-230515	-729363	0.256	3.16	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	86547	SLD 7	79320	729363	0.256	9.2							Si
5	6.03	5.3	6.03	5.3	69038	SLD 7	69038	729363	0.256	10.56	-43	SLD 9	-57545	-729363	0.256	12.67	Si
31	6.03	5.3	6.03	5.3	-20857	SLD 7	31869	729363	0.256	22.89	-98822	SLD 9	-161802	-729363	0.256	4.51	Si
48	6.03	5.3	6.03	5.3							-165106	SLD 13	-165106	-729363	0.256	4.42	Si
63	6.03	5.3	6.03	5.3							-228474	SLD 13	-187074	-729363	0.256	3.9	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.106	6.03	0	-6578	SLU 47	-6578	-5737	-40761	-12986	-12986	1	1.97	Si
5	0.106	6.03	0	-6597	SLU 47	-6597	-5737	-40761	-12986	-12986	1	1.97	Si
31	0.106	6.03	0	-6701	SLU 47	-6701	-5737	-40761	-12986	-12986	1	1.94	Si
48	0.106	6.03	0	-6765	SLU 47	-6765	-5737	-40761	-12986	-12986	1	1.92	Si
63	0.106	6.03	0	-6824	SLU 47	-6824	-5737	-40761	-12986	-12986	1	1.9	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.106	6.03	0	-5064	SLV 3	-5064	-5737	-40761	-12986	-12986	1	2.56	Si
5	0.106	6.03	0	-5079	SLV 3	-5079	-5737	-40761	-12986	-12986	1	2.56	Si
31	0.106	6.03	0	-5158	SLV 3	-5158	-5737	-40761	-12986	-12986	1	2.52	Si
48	0.106	6.03	0	-5208	SLV 3	-5208	-5737	-40761	-12986	-12986	1	2.49	Si
63	0.106	6.03	0	-5253	SLV 3	-5253	-5737	-40761	-12986	-12986	1	2.47	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.106	6.03	0	-4242	SLD 3	-4242	-5737	-40761	-12986	-12986	1	3.06	Si
5	0.106	6.03	0	-4257	SLD 3	-4257	-5737	-40761	-12986	-12986	1	3.05	Si
31	0.106	6.03	0	-4336	SLD 3	-4336	-5737	-40761	-12986	-12986	1	2.99	Si
48	0.106	6.03	0	-4386	SLD 3	-4386	-5737	-40761	-12986	-12986	1	2.96	Si
63	0.106	6.03	0	-4431	SLD 3	-4431	-5737	-40761	-12986	-12986	1	2.93	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	65374	10	55242	5.5	184.3	83.2	3600	52062	2	43297	4.3	138.2			Si
5	45074	10	45074	4.5	184.3	67.9	3600	34497	2	34497	3.5	138.2			Si
31	-97405	9	-172376	17.3	184.3	259.7	3600	-59840	2	-116744	11.7	138.2			Si
48	-176189	9	-176189	17.7	184.3	265.5	3600	-119644	2	-119644	12	138.2			Si
63	-248519	9	-212186	21.3	184.3	319.7	3600	-174718	2	-147013	14.8	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.022	0.016	0.019	0.013	0.018	0.016	0.015	0.013	0.018	0.016	0.037	2	0.034	2	9999	Si
5	0.02	0.015	0.017	0.012	0.017	0.015	0.014	0.012	0.016	0.015	0.034	2	0.031	2	9999	Si
31	0.01	0.007	0.009	0.006	0.009	0.007	0.007	0.006	0.008	0.007	0.017	2	0.016	2	9999	Si
48	0.004	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	2	0.007	2	9999	Si

Campata 7 , sezione R 30x40, asta 250

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3							-433239	SLU 48	-349152	-764836	0.156	2.19	Si
15	6.03	5.3	6.03	5.3							-265502	SLU 48	-265502	-764836	0.156	2.88	Si
19	6.03	5.3	6.03	5.3							-226490	SLU 48	-265502	-764836	0.156	2.88	Si
32	6.03	5.3	6.03	5.3							-77815	SLU 44	-251062	-764836	0.156	3.05	Si
37	6.03	5.3	6.03	5.3	15532	SLU 23	11198	764836	0.156	68.3	-33910	SLU 31	-33910	-764836	0.156	22.55	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	3429	SLV 7	3429	729363	0.256	212.67	-459172	SLV 9	-390543	-729363	0.256	1.87	Si
15	6.03	5.3	6.03	5.3	61433	SLV 7	130332	729363	0.256	5.6	-329310	SLV 9	-329310	-729363	0.256	2.21	Si
19	6.03	5.3	6.03	5.3	75938	SLV 7	136495	729363	0.256	5.34	-300174	SLV 9	-329310	-729363	0.256	2.21	Si
32	6.03	5.3	6.03	5.3	136495	SLV 7	136495	729363	0.256	5.34	-193089	SLV 9	-318474	-729363	0.256	2.29	Si
37	6.03	5.3	6.03	5.3	161099	SLV 7	147155	729363	0.256	4.96	-155881	SLV 9	-155881	-729363	0.256	4.68	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3							-332179	SLD 9	-274855	-729363	0.256	2.65	Si
15	6.03	5.3	6.03	5.3	-46674	SLD 7	37176	729363	0.256	19.62	-221203	SLD 9	-221203	-729363	0.256	3.3	Si
19	6.03	5.3	6.03	5.3	-28348	SLD 7	44300	729363	0.256	16.46	-195888	SLD 9	-221203	-729363	0.256	3.3	Si
32	6.03	5.3	6.03	5.3	44300	SLD 7	44300	729363	0.256	16.46	-100895	SLD 9	-211809	-729363	0.256	3.44	Si
37	6.03	5.3	6.03	5.3	72178	SLD 7	57487	729363	0.256	12.69	-66960	SLD 9	-66960	-729363	0.256	10.89	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.106	6.03	0	11242	SLU 47	11242	5737	40761	12986	12986	1	1.16	Si
15	0.106	6.03	0	11183	SLU 47	11183	5737	40761	12986	12986	1	1.16	Si
19	0.106	6.03	0	11170	SLU 47	11170	5737	40761	12986	12986	1	1.16	Si
32	0.106	6.03	0	11117	SLU 47	11117	5737	40761	12986	12986	1	1.17	Si
37	0.106	6.03	0	11098	SLU 47	11098	5737	40761	12986	12986	1	1.17	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.106	6.03	0	9735	SLV 5	9735	5737	40761	12986	12986	1	1.33	Si
15	0.106	6.03	0	9690	SLV 5	9690	5737	40761	12986	12986	1	1.34	Si
19	0.106	6.03	0	9680	SLV 5	9680	5737	40761	12986	12986	1	1.34	Si
32	0.106	6.03	0	9639	SLV 5	9639	5737	40761	12986	12986	1	1.35	Si
37	0.106	6.03	0	9624	SLV 5	9624	5737	40761	12986	12986	1	1.35	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.106	6.03	0	7883	SLD 5	7883	5737	40761	12986	12986	1	1.65	Si
15	0.106	6.03	0	7838	SLD 5	7838	5737	40761	12986	12986	1	1.66	Si
19	0.106	6.03	0	7828	SLD 5	7828	5737	40761	12986	12986	1	1.66	Si
32	0.106	6.03	0	7787	SLD 5	7787	5737	40761	12986	12986	1	1.67	Si
37	0.106	6.03	0	7772	SLD 5	7772	5737	40761	12986	12986	1	1.67	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-308010	9	-248162	24.9	184.3	373.9	3600	-227871	2	-180737	18.2	138.2			Si
15	-188651	9	-188651	19	184.3	284.3	3600	-133939	2	-133939	13.5	138.2			Si
19	-160897	9	-188651	19	184.3	284.3	3600	-112118	2	-133939	13.5	138.2			Si
32	-55096	5	-178378	17.9	184.3	268.8	3600	-28684	1	-125861	12.6	138.2			Si
37	8449	10	8449	0.8	184.3	12.7	3600	2609	2	2609	0.3	138.2			Si
37	-20652	5	-20652	2.1	184.3	31.1	3600								Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
19	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
32	0.005	0.003	0.003	0.002	0.004	0.003	0.003	0.002	0.004	0.003	0.006	2	0.006	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
37	0.006	0.004	0.004	0.003	0.005	0.004	0.003	0.003	0.005	0.004	0.008	2	0.007	2	9999	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3							-117212	SLU 48	-107904	-764836	0.156	7.09	Si
5	6.03	5.3	6.03	5.3							-98646	SLU 48	-98646	-764836	0.156	7.75	Si
50	6.03	5.3	6.03	5.3	70830	SLU 51	81698	764836	0.156	9.36	31509	SLU 2	-4006	-764836	0.156	190.92	Si
95	6.03	5.3	6.03	5.3	133158	SLU 47	133158	764836	0.156	5.74							Si
100	6.03	5.3	6.03	5.3	141805	SLU 47	137506	764836	0.156	5.56							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	88308	SLV 7	88308	729363	0.256	8.26	-200113	SLV 9	-191123	-729363	0.256	3.82	Si
5	6.03	5.3	6.03	5.3	92262	SLV 7	104330	729363	0.256	6.99	-183984	SLV 9	-183984	-729363	0.256	3.96	Si
50	6.03	5.3	6.03	5.3	125808	SLV 7	125808	729363	0.256	5.8	-43531	SLV 9	-91488	-729363	0.256	7.97	Si
95	6.03	5.3	6.03	5.3	111477	SLV 7	111477	729363	0.256	6.54							Si
100	6.03	5.3	6.03	5.3	111833	SLV 7	111489	729363	0.256	6.54							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	7999	SLD 7	7999	729363	0.256	91.18	-119805	SLD 9	-112951	-729363	0.256	6.46	Si
5	6.03	5.3	6.03	5.3	15267	SLD 7	37666	729363	0.256	19.36	-106990	SLD 9	-106990	-729363	0.256	6.82	Si
50	6.03	5.3	6.03	5.3	77895	SLD 7	77895	729363	0.256	9.36	4382	SLD 9	-33632	-729363	0.256	21.69	Si
95	6.03	5.3	6.03	5.3	89745	SLD 7	89745	729363	0.256	8.13							Si
100	6.03	5.3	6.03	5.3	92300	SLD 7	90955	729363	0.256	8.02							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.106	6.03	0	3723	SLU 48	3723	5737	40761	12986	12986	1	3.49	Si
5	0.106	6.03	0	3703	SLU 48	3703	5737	40761	12986	12986	1	3.51	Si
50	0.106	6.03	0	3528	SLU 48	3528	5737	40761	12986	12986	1	3.68	Si
95	0.106	6.03	0	1743	SLU 48	1743	5737	40761	12986	12986	1	7.45	Si
100	0.106	6.03	0	1723	SLU 48	1723	5737	40761	12986	12986	1	7.54	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.106	6.03	0	3275	SLV 5	3275	5737	40761	12986	12986	1	3.96	Si
5	0.106	6.03	0	3260	SLV 5	3260	5737	40761	12986	12986	1	3.98	Si
50	0.106	6.03	0	3125	SLV 5	3125	5737	40761	12986	12986	1	4.15	Si
95	0.106	6.03	0	1748	SLV 9	1748	5737	40761	12986	12986	1	7.43	Si
100	0.106	6.03	0	1733	SLV 9	1733	5737	40761	12986	12986	1	7.49	Si
100	0.106	6.03	0	-10	SLV 7	-10	-5737	-40761	-12986	-12986	1	1245.22	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.106	6.03	0	2588	SLD 5	2588	5737	40761	12986	12986	1	5.02	Si
5	0.106	6.03	0	2573	SLD 5	2573	5737	40761	12986	12986	1	5.05	Si
50	0.106	6.03	0	2438	SLD 5	2438	5737	40761	12986	12986	1	5.33	Si
95	0.106	6.03	0	1269	SLD 9	1269	5737	40761	12986	12986	1	10.23	Si
100	0.106	6.03	0	1254	SLD 9	1254	5737	40761	12986	12986	1	10.36	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente						Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-83336	9	-76712	7.7	184.3	115.6	3600	-55903	2	-50863	5.1	138.2			Si
5	-70125	9	-70125	7	184.3	105.7	3600	-45861	2	-45861	4.6	138.2			Si
50	49917	12	57866	5.8	184.3	87.2	3600	41139	2	47018	4.7	138.2			Si
95	94285	8	94285	9.5	184.3	142.1	3600	73983	2	73983	7.4	138.2			Si
100	100375	8	97349	9.8	184.3	146.7	3600	78328	2	77726	7.8	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
0	0.006	0.004	0.004	0.003	0.005	0.004	0.003	0.003	0.005	0.004	0.008	2	0.007	2	9999	Si
5	0.006	0.005	0.004	0.003	0.005	0.005	0.004	0.003	0.005	0.005	0.009	2	0.008	2	9999	Si
50	0.014	0.01	0.011	0.008	0.012	0.011	0.009	0.008	0.011	0.011	0.022	2	0.021	2	9999	Si
95	0.02	0.015	0.016	0.012	0.017	0.015	0.013	0.012	0.016	0.015	0.033	2	0.031	2	9999	Si
100	0.021	0.015	0.017	0.012	0.017	0.015	0.014	0.012	0.017	0.015	0.033	2	0.031	2	9999	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	142741	SLU 47	142741	764836	0.156	5.36							Si
5	6.03	5.3	6.03	5.3	145818	SLU 47	154845	764836	0.156	4.94							Si
50	6.03	5.3	6.03	5.3	169124	SLU 47	169124	764836	0.156	4.52							Si
63	6.03	5.3	6.03	5.3	161824	SLU 47	169124	764836	0.156	4.52							Si
95	6.03	5.3	6.03	5.3	141953	SLU 47	152293	764836	0.156	5.02							Si
100	6.03	5.3	6.03	5.3	138458	SLU 47	138458	764836	0.156	5.52							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	102300	SLV 7	101940	729363	0.256	7.15							Si
5	6.03	5.3	6.03	5.3	100644	SLV 7	100644	729363	0.256	7.25							Si
50	6.03	5.3	6.03	5.3	118212	SLV 5	136232	729363	0.256	5.35							Si
95	6.03	5.3	6.03	5.3	152015	SLV 9	152015	729363	0.256	4.8	-404	SLV 7	-404	-729363	0.256	1803.72	Si
100	6.03	5.3	6.03	5.3	154500	SLV 9	153313	729363	0.256	4.76	-7268	SLV 7	-3854	-729363	0.256	189.23	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	88191	SLD 7	88191	729363	0.256	8.27							Si
5	6.03	5.3	6.03	5.3	88447	SLD 7	90834	729363	0.256	8.03							Si
50	6.03	5.3	6.03	5.3	104678	SLD 5	110296	729363	0.256	6.61							Si
95	6.03	5.3	6.03	5.3	111243	SLD 9	111253	729363	0.256	6.56							Si
100	6.03	5.3	6.03	5.3	111165	SLD 9	111165	729363	0.256	6.56							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.106	6.03	0	629	SLU 48	629	5737	40761	12986	12986	1	20.64	Si
5	0.106	6.03	0	610	SLU 48	610	5737	40761	12986	12986	1	21.3	Si
50	0.106	6.03	0	434	SLU 48	434	5737	40761	12986	12986	1	29.91	Si
95	0.106	6.03	0	-708	SLU 51	-708	-5737	-40761	-12986	-12986	1	18.33	Si
100	0.106	6.03	0	-728	SLU 51	-728	-5737	-40761	-12986	-12986	1	17.84	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.106	6.03	0	1196	SLV 9	1196	5737	40761	12986	12986	1	10.86	Si
0	0.106	6.03	0	-503	SLV 7	-503	-5737	-40761	-12986	-12986	1	25.8	Si
5	0.106	6.03	0	1181	SLV 9	1181	5737	40761	12986	12986	1	11	Si
5	0.106	6.03	0	-518	SLV 7	-518	-5737	-40761	-12986	-12986	1	25.05	Si
50	0.106	6.03	0	1046	SLV 9	1046	5737	40761	12986	12986	1	12.42	Si
50	0.106	6.03	0	-653	SLV 7	-653	-5737	-40761	-12986	-12986	1	19.87	Si
95	0.106	6.03	0	519	SLV 9	519	5737	40761	12986	12986	1	25.01	Si
95	0.106	6.03	0	-1380	SLV 7	-1380	-5737	-40761	-12986	-12986	1	9.41	Si
100	0.106	6.03	0	504	SLV 9	504	5737	40761	12986	12986	1	25.76	Si
100	0.106	6.03	0	-1395	SLV 7	-1395	-5737	-40761	-12986	-12986	1	9.31	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.106	6.03	0	729	SLD 9	729	5737	40761	12986	12986	1	17.81	Si
0	0.106	6.03	0	-37	SLD 7	-37	-5737	-40761	-12986	-12986	1	353.76	Si
5	0.106	6.03	0	714	SLD 9	714	5737	40761	12986	12986	1	18.19	Si
5	0.106	6.03	0	-52	SLD 7	-52	-5737	-40761	-12986	-12986	1	251.14	Si
50	0.106	6.03	0	579	SLD 9	579	5737	40761	12986	12986	1	22.42	Si
50	0.106	6.03	0	-187	SLD 7	-187	-5737	-40761	-12986	-12986	1	69.55	Si
95	0.106	6.03	0	-859	SLD 7	-859	-5737	-40761	-12986	-12986	1	15.13	Si
100	0.106	6.03	0	-874	SLD 7	-874	-5737	-40761	-12986	-12986	1	14.87	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	101206	8	101206	10.2	184.3	152.5	3600	78412	2	77726	7.8	138.2			Si
5	103417	8	109869	11	184.3	165.5	3600	80106	2	84934	8.5	138.2			Si
50	119936	8	119936	12	184.3	180.7	3600	91972	2	91972	9.2	138.2			Si
95	100739	8	108170	10.9	184.3	163	3600	75805	2	82192	8.3	138.2			Si
100	98217	8	98217	9.9	184.3	148	3600	73616	2	73616	7.4	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.021	0.015	0.017	0.012	0.017	0.015	0.014	0.012	0.017	0.015	0.033	2	0.031	2	9999	Si
5	0.021	0.016	0.017	0.012	0.018	0.016	0.014	0.013	0.017	0.016	0.034	2	0.032	2	9783	Si
43	0.023	0.017	0.019	0.014	0.019	0.017	0.015	0.014	0.018	0.017	0.037	2	0.035	2	9061	Si
50	0.023	0.017	0.019	0.013	0.019	0.017	0.015	0.014	0.018	0.017	0.037	2	0.035	2	9086	Si
95	0.02	0.015	0.016	0.012	0.016	0.015	0.013	0.012	0.016	0.015	0.032	2	0.03	2	9999	Si
100	0.019	0.014	0.016	0.011	0.016	0.014	0.013	0.011	0.015	0.014	0.031	2	0.029	2	9999	Si

Campata 10, sezione R 30x40, aste 255, 256

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	142159	SLU 47	138193	764836	0.156	5.53							Si
5	6.03	5.3	6.03	5.3	134180	SLU 47	134180	764836	0.156	5.7							Si
49	6.03	5.3	6.03	5.3	59999	SLU 48	138841	764836	0.156	5.51							Si
83	6.03	5.3	6.03	5.3	-37531	SLU 2	59115	764836	0.156	12.94	-89003	SLU 51	-89003	-764836	0.156	8.59	Si
98	6.03	5.3	6.03	5.3							-231375	SLU 51	-159970	-764836	0.156	4.78	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	160019	SLV 9	160019	729363	0.256	4.56	-6587	SLV 7	-6587	-729363	0.256	110.73	Si
5	6.03	5.3	6.03	5.3	163113	SLV 9	172385	729363	0.256	4.23	-17938	SLV 7	-54120	-729363	0.256	13.48	Si
49	6.03	5.3	6.03	5.3	187316	SLV 9	248280	729363	0.256	2.94	-121246	SLV 7	-137098	-729363	0.256	5.32	Si
83	6.03	5.3	6.03	5.3	189861	SLV 9	225727	729363	0.256	3.23	-284560	SLV 7	-284560	-729363	0.256	2.56	Si
98	6.03	5.3	6.03	5.3	159497	SLV 9	159497	729363	0.256	4.57	-415640	SLV 7	-353126	-729363	0.256	2.07	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene

eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.3	6.03	5.3	115370	SLD 9	114956	729363	0.256	6.34							Si
5	6.03	5.3	6.03	5.3	114525	SLD 9	114525	729363	0.256	6.37							Si
49	6.03	5.3	6.03	5.3	103941	SLD 9	157792	729363	0.256	4.62	-37871	SLD 7	-48549	-729363	0.256	15.02	Si
83	6.03	5.3	6.03	5.3	61265	SLD 9	123217	729363	0.256	5.92	-155964	SLD 7	-155964	-729363	0.256	4.68	Si
98	6.03	5.3	6.03	5.3	3195	SLD 9	3195	729363	0.256	228.29	-259338	SLD 7	-208774	-729363	0.256	3.49	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.106	6.03	0	-1586	SLU 47	-1586	-5737	-40761	-12986	-12986	1	8.19	Si
5	0.106	6.03	0	-1605	SLU 47	-1605	-5737	-40761	-12986	-12986	1	8.09	Si
49	0.106	6.03	0	-1777	SLU 47	-1777	-5737	-40761	-12986	-12986	1	7.31	Si
83	0.106	6.03	0	-9462	SLU 51	-9462	-5737	-40761	-12986	-12986	1	1.37	Si
98	0.106	6.03	0	-9521	SLU 51	-9521	-5737	-40761	-12986	-12986	1	1.36	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.106	6.03	0	636	SLV 9	636	5737	40761	12986	12986	1	20.41	Si
0	0.106	6.03	0	-2272	SLV 7	-2272	-5737	-40761	-12986	-12986	1	5.72	Si
5	0.106	6.03	0	621	SLV 9	621	5737	40761	12986	12986	1	20.9	Si
5	0.106	6.03	0	-2287	SLV 7	-2287	-5737	-40761	-12986	-12986	1	5.68	Si
49	0.106	6.03	0	489	SLV 9	489	5737	40761	12986	12986	1	26.55	Si
49	0.106	6.03	0	-2419	SLV 7	-2419	-5737	-40761	-12986	-12986	1	5.37	Si
83	0.106	6.03	0	-9468	SLV 3	-9468	-5737	-40761	-12986	-12986	1	1.37	Si
98	0.106	6.03	0	-9513	SLV 3	-9513	-5737	-40761	-12986	-12986	1	1.37	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.106	6.03	0	-1478	SLD 7	-1478	-5737	-40761	-12986	-12986	1	8.78	Si
5	0.106	6.03	0	-1493	SLD 7	-1493	-5737	-40761	-12986	-12986	1	8.7	Si
49	0.106	6.03	0	-1625	SLD 7	-1625	-5737	-40761	-12986	-12986	1	7.99	Si
83	0.106	6.03	0	-7198	SLD 3	-7198	-5737	-40761	-12986	-12986	1	1.8	Si
98	0.106	6.03	0	-7243	SLD 3	-7243	-5737	-40761	-12986	-12986	1	1.79	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	101063	8	98271	9.9	184.3	148.1	3600	76716	2	74670	7.5	138.2			Si
5	95444	8	95444	9.6	184.3	143.8	3600	72588	2	72588	7.3	138.2			Si
49	42921	9	99003	9.9	184.3	149.2	3600	33035	2	81459	8.2	138.2			Si
83	-62470	12	-62470	6.3	184.3	94.1	3600	-47350	2	-47350	4.8	138.2			Si
98	-163439	12	-112786	11.3	184.3	169.9	3600	-128072	2	-87542	8.8	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.019	0.014	0.016	0.011	0.016	0.014	0.013	0.011	0.015	0.014	0.031	2	0.029	2	9999	Si
5	0.019	0.014	0.015	0.011	0.015	0.014	0.012	0.011	0.015	0.014	0.03	2	0.028	2	9999	Si
49	0.011	0.008	0.009	0.006	0.009	0.008	0.007	0.006	0.009	0.008	0.017	2	0.016	2	9999	Si
83	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.005	2	9999	Si

8.3 Verifiche pareti C.A.

Le unità di misura elencate nel capitolo sono in [cm, daN] ove non espressamente specificato.

***Descrizione breve**: nome sintetico assegnato al livello.*
***Descrizione**: nome assegnato al livello.*
***Quota**: quota superiore espressa nel sistema di riferimento assoluto. [cm]*
***Spessore**: spessore del livello. [cm]*
***Descrizione**: descrizione della sezione di verifica.*
***Dir.**: direzione della sezione di verifica.*
***Base**: base della sezione. [cm]*
***Altezza**: altezza della sezione. [cm]*
***As,sup**: area di acciaio efficace superiore. [cm²]*
***As,inf**: area di acciaio efficace inferiore. [cm²]*
***c,sup**: copriferro medio superiore. [cm]*
***c,inf**: copriferro medio inferiore. [cm]*
***Comb.**: combinazione di verifica.*
***MEd**: momento agente. [daN*cm]*
***NEd**: sforzo normale agente, positivo se di trazione. [daN]*
***MRd**: momento resistente. [daN*cm]*
***NRd**: sforzo normale resistente, positivo se di trazione. [daN]*
***c.s.**: coefficiente di sicurezza.*
***Verifica**: stato di verifica.*
***d**: altezza utile. [cm]*
***bw**: minima larghezza anima. [cm]*
***Armatura a taglio**: necessità di armatura a taglio.*
***Asw/s**: rapporto tra l'area dell'armatura trasversale e l'interasse tra due armature consecutive.*
***VEd**: taglio agente. [daN]*
***Vrd,c**: resistenza di calcolo a taglio per elementi privi di armature trasversali. [daN]*
***Vrcd**: valore resistente di calcolo a taglio compressione del calcestruzzo d'anima. [daN]*
***Vrsd**: valore resistente di calcolo a taglio trazione dell'armatura trasversale. [daN]*
***VRd**: resistenza a taglio. [daN]*
***cotg(θ)**: cotangente dell'angolo dei puntoni rispetto all'asse.*
***Asl**: area armatura longitudinale. [cm²]*
***Sezione fessurata**: sezione fessurata.*
***σc**: tensione del calcestruzzo. [daN/cm²]*
***σc limite**: tensione limite del calcestruzzo. [daN/cm²]*
***Es/Ec**: coefficiente di omogenizzazione.*
***σf**: tensione dell'armatura. [daN/cm²]*
***σf limite**: tensione limite dell'armatura. [daN/cm²]*
***Fessurazione non valutabile**: nessuna armatura presente nell'area di cls teso efficace.*
***εsm**: deformazione unitaria media delle barre d'armatura.*
***Δmax**: distanza massima tra le fessure. [cm]*
***Wd**: ampiezza delle fessure. [cm]*
***Wlim**: ampiezza fessure limite. [cm]*

Asc 1A-1

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Livelli significativi

Descrizione breve	Descrizione	Quota	Spessore
L1	fondo corsa	-220	40
L2	Fondazione	-140	65
L3	p.lo 1	200	20
L4	Piano 1	380	20
L5	p.lo 2	535	20
L6	Piano 2	690	20
L7	p.lo 3	845	20
L8	Piano 3	1000	20
L9	p.lo 4	1155	20
L10	Piano 4	1310	20
L11	p.lo 5	1465	20
L12	Piano 5	1620	20
L13	p.lo 6	1775	20
L14	Piano 6	1930	20
L15	p.lo 7	2085	20
L16	Piano 7	2240	20

Verifiche nei nodi

Sezioni rettangolari

Descrizione	Dir.	Base	Altezza	As,sup	As,inf	c,sup	c,inf
3217 Prosp.A	Orizzontale	91	20	10.18	10.18	4.65	4.65
3885 Prosp.A	Orizzontale	90.01	20	10.18	10.18	4.65	4.65
7062 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
21454 Prosp.A	Verticale	100	20	3.93	3.93	3.5	3.5
21452 Prosp.A	Verticale	100	20	3.93	3.93	3.5	3.5
21112 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
21029 Prosp.A	Orizzontale	96.25	20	11.31	11.31	4.64	4.64

Descrizione	Dir.	Base	Altezza	As,sup	As,inf	c,sup	c,inf
3972 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68

Verifiche a flessione SLU D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
3217 Prosp.A	Orizzontale	SLV 13	224324	37519	237658	39749	1.0594	Si
3885 Prosp.A	Orizzontale	SLV 15	65566	52562	80473	64512	1.2274	Si
7062 Prosp.A	Orizzontale	SLV 13	191790	4689	248192	6068	1.2941	Si
21454 Prosp.A	Verticale	SLV 15	-156994	2600	-206727	3424	1.3168	Si
21452 Prosp.A	Verticale	SLV 15	145336	2097	209934	3029	1.4445	Si

Verifiche a flessione SLD Resistenza D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
3217 Prosp.A	Orizzontale	SLD 11	268095	-6828	630652	-16061	2.3523	Si
21112 Prosp.A	Orizzontale	SLD 13	-150067	-5560	-380305	-14091	2.5342	Si
3217 Prosp.A	Orizzontale	SLD 3	-332233	-63313	-878738	-167459	2.6449	Si
21029 Prosp.A	Orizzontale	SLD 13	-264514	-10038	-766915	-29103	2.8993	Si
21454 Prosp.A	Verticale	SLD 15	-70385	1102	-208086	3258	2.9564	Si

Verifiche a taglio SLU D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
3217 Prosp.A	Orizzontale	15.4	91	Non necessaria	0	SLU 2	-10573	-9912	-344022	10590	38912	0	10590	2.5	10.179	1.0016	Si
3855 Prosp.A	Verticale	16.5	100	Non necessaria	0	SLU 46	10711	-25458	-137725	12202	47815	0	12202	2.5	3.927	1.1392	Si
3855 Prosp.A	Orizzontale	15.4	91.4	Non necessaria	0	SLU 46	13764	-73072	13840	16804	46603	0	16804	2.5	10.179	1.2209	Si
7062 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLV 13	-3446	4689	191790	5203	20682	0	5203	2.5	5.655	1.5099	Si
7419 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLV 13	-3412	7291	7479	5203	20682	0	5203	2.5	5.655	1.5247	Si

Verifiche a taglio SLD Resistenza D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
3217 Prosp.A	Orizzontale	15.4	91	Non necessaria	0	SLD 15	5275	-969	220402	9561	37846	0	9561	2.5	10.179	1.8125	Si
21112 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 13	-2531	-5560	-150067	5841	21343	0	5841	2.5	5.655	2.3082	Si
19915 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 13	-2511	-5373	-23697	5820	21321	0	5820	2.5	5.655	2.3179	Si
19752 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 9	-2130	-830	24634	5298	20781	0	5298	2.5	5.655	2.4868	Si
19553 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 13	-2416	-8019	-137958	6124	21635	0	6124	2.5	5.655	2.5349	Si

Verifiche SLE tensione calcestruzzo D.M. 17-01-18 §4.1.2.2.5.1

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σc	σc limite	Es/Ec	c.s.	Verifica
3217 Prosp.A	Orizzontale	SLE RA 7	-463952	-46816	Si	-120.5	184.3	15	1.5296	Si
3217 Prosp.A	Orizzontale	SLE QP 2	222167	-5012	Si	-60.9	138.2	15	2.2686	Si
21112 Prosp.A	Orizzontale	SLE QP 2	-103592	-2774	Si	-51.7	138.2	15	2.6748	Si
3217 Prosp.A	Orizzontale	SLE RA 12	246553	-5657	Si	-67.6	184.3	15	2.726	Si
21112 Prosp.A	Orizzontale	SLE RA 13	-132052	-3406	Si	-65.9	184.3	15	2.7969	Si

Verifiche SLE tensione acciaio D.M. 17-01-18 §4.1.2.2.5.2

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σf	σf limite	Es/Ec	c.s.	Verifica
3217 Prosp.A	Orizzontale	SLE RA 12	246553	-5657	Si	1541.3	3600	15	2.3357	Si
21112 Prosp.A	Orizzontale	SLE RA 13	-132052	-3406	Si	1462.5	3600	15	2.4616	Si
3217 Prosp.A	Orizzontale	SLE RA 3	-445646	-42862	Si	1267.3	3600	15	2.8407	Si
21112 Prosp.A	Orizzontale	SLE RA 12	91658	78	Si	1241.5	3600	15	2.8997	Si
3972 Prosp.A	Orizzontale	SLE RA 1	-3681	-22856	No	-285.3	3600	15	12.6187	Si

Verifiche SLE fessurazione D.M. 17-01-18 §4.1.2.2.4

Descrizione	Dir.	Comb.	Fessurazione non valutabile	MEd	NEd	Sezione fessurata	εsm	Δmax	Wd	Wlim	Es/Ec	c.s.	Verifica
21112 Prosp.A	Orizzontale	SLE QP 2		-103592	-2774	Si	0.00055	17.9	0.0099	0.03	15	3.0357	Si
3217 Prosp.A	Orizzontale	SLE QP 2		222167	-5012	Si	0.00041	23.1	0.0094	0.03	15	3.1996	Si
21112 Prosp.A	Orizzontale	SLE FR 6		-111209	-2963	Si	0.00059	17.9	0.0106	0.04	15	3.7652	Si
3217 Prosp.A	Orizzontale	SLE FR 6		228588	-5193	Si	0.00042	23.1	0.0096	0.04	15	4.1522	Si
21112 Prosp.A	Orizzontale	SLE QP 2		71795	-26	Si	0.00028	24.5	0.0069	0.03	15	4.3633	Si

Verifiche generali

Asc 1A-2

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Livelli significativi

Descrizione breve	Descrizione	Quota	Spessore
L1	fondo corsa	-220	40
L2	Fondazione	-140	65

Descrizione breve	Descrizione	Quota	Spessore
L3	p.lo 1	200	20
L4	Piano 1	380	20
L5	p.lo 2	535	20
L6	Piano 2	690	20
L7	p.lo 3	845	20
L8	Piano 3	1000	20
L9	p.lo 4	1155	20
L10	Piano 4	1310	20
L11	p.lo 5	1465	20
L12	Piano 5	1620	20
L13	p.lo 6	1775	20
L14	Piano 6	1930	20
L15	p.lo 7	2085	20
L16	Piano 7	2240	20

Verifiche nei nodi

Sezioni rettangolari

Descrizione	Dir.	Base	Altezza	As,sup	As,inf	c,sup	c,inf
3953 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
3331 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
3860 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
4000 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
3333 Prosp.A	Orizzontale	100	20	11.31	11.31	4.6	4.6
3332 Prosp.A	Orizzontale	100	20	11.31	11.31	4.6	4.6
19555 Prosp.A	Verticale	100	20	3.93	3.93	3.5	3.5

Verifiche a flessione SLU D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
3953 Prosp.A	Orizzontale	SLV 5	19447	29133	26204	39257	1.3475	Si
3331 Prosp.A	Orizzontale	SLV 5	161876	6733	224973	9358	1.3898	Si
3860 Prosp.A	Orizzontale	SLV 9	12150	29148	17088	40996	1.4065	Si
4000 Prosp.A	Orizzontale	SLV 5	19781	26073	29330	38660	1.4828	Si
3333 Prosp.A	Orizzontale	SLU 46	-414213	3176	-615658	4721	1.4863	Si

Verifiche a flessione SLD Resistenza D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
3331 Prosp.A	Orizzontale	SLD 9	109328	6810	201815	12570	1.846	Si
3332 Prosp.A	Orizzontale	SLD 9	245696	-2090	622699	-5297	2.5344	Si
3333 Prosp.A	Orizzontale	SLD 5	238689	-2353	628671	-6198	2.6339	Si
3331 Prosp.A	Orizzontale	SLD 7	-143020	-44206	-408614	-126298	2.857	Si
19555 Prosp.A	Verticale	SLD 3	-10563	8025	-33641	25557	3.1848	Si

Verifiche a taglio SLU D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
3333 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLU 46	8423	3176	-414213	10442	41586	0	10442	2.5	11.31	1.2397	Si
3332 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLV 5	8406	7149	330933	10442	41586	0	10442	2.5	11.31	1.2423	Si
3331 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLU 46	3965	6920	183410	5203	20682	0	5203	2.5	5.655	1.3122	Si
3862 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLU 46	8423	-14897	15708	12163	43365	0	12163	2.5	11.31	1.444	Si
3861 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLU 46	8907	-40502	15617	15120	46425	0	15120	2.5	11.31	1.6975	Si

Verifiche a taglio SLD Resistenza D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
3332 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLD 5	5805	-4599	259648	10974	42135	0	10974	2.5	11.31	1.8904	Si
3331 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 5	2667	4830	120409	5203	20682	0	5203	2.5	5.655	1.9506	Si
3333 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLD 9	5490	-5241	245119	11048	42212	0	11048	2.5	11.31	2.0125	Si
3860 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 7	2711	-49142	-8410	9201	25853	0	9201	2.5	5.655	3.3945	Si
3862 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLD 11	4379	-50413	-51480	16265	47609	0	16265	2.5	11.31	3.7142	Si

Verifiche SLE tensione calcestruzzo D.M. 17-01-18 §4.1.2.2.5.1

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σc	σc limite	Es/Ec	c.s.	Verifica
3332 Prosp.A	Orizzontale	SLE RA 7	-304724	-15019	Si	-74.4	184.3	15	2.4763	Si
3332 Prosp.A	Orizzontale	SLE QP 2	224933	-12123	Si	-54.8	138.2	15	2.5227	Si
3333 Prosp.A	Orizzontale	SLE RA 7	-292371	503	Si	-72.3	184.3	15	2.5493	Si
3333 Prosp.A	Orizzontale	SLE QP 2	215685	-12054	Si	-52.5	138.2	15	2.6341	Si
3331 Prosp.A	Orizzontale	SLE QP 2	103951	3627	Si	-51.7	138.2	15	2.6736	Si

Verifiche SLE tensione acciaio D.M. 17-01-18 §4.1.2.2.5.2

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σf	σf limite	Es/Ec	c.s.	Verifica
3331 Prosp.A	Orizzontale	SLE RA 7	130024	4855	Si	2214.5	3600	15	1.6257	Si
3333 Prosp.A	Orizzontale	SLE RA 7	-292371	503	Si	1966.4	3600	15	1.8308	Si
3332 Prosp.A	Orizzontale	SLE RA 7	263392	270	Si	1762.9	3600	15	2.042	Si
3333 Prosp.A	Orizzontale	SLE RA 7	238221	3354	Si	1740.5	3600	15	2.0683	Si
3332 Prosp.A	Orizzontale	SLE RA 7	-304724	-15019	Si	1347.4	3600	15	2.6718	Si

Verifiche SLE fessurazione D.M. 17-01-18 §4.1.2.2.4

Descrizione	Dir.	Comb.	Fessurazione non valutabile	MEd	NEd	Sezione fessurata	εsm	Δmax	Wd	Wlim	Es/Ec	c.s.	Verifica
3331 Prosp.A	Orizzontale	SLE QP 2		103951	3627	Si	0.00051	22.8	0.0116	0.03	15	2.5902	Si
3331 Prosp.A	Orizzontale	SLE FR 4		109847	4081	Si	0.00056	22.8	0.0129	0.04	15	3.1111	Si

Descrizione	Dir.	Comb.	Fessurazione non valutabile	MEd	NEd	Sezione fessurata	εsm	Δmax	Wd	Wlim	Es/Ec	c.s.	Verifica
3332 Prosp.A	Orizzontale	SLE QP 2		224933	-12123	Si	0.00046	16.7	0.0077	0.03	15	3.8912	Si
3333 Prosp.A	Orizzontale	SLE FR 4		-230292	-8441	Si	0.00056	17.5	0.0097	0.04	15	4.1146	Si
3333 Prosp.A	Orizzontale	SLE QP 2		215685	-12054	Si	0.00043	16.6	0.0072	0.03	15	4.1648	Si

Verifiche generali

Asc 1A-3

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Livelli significativi

Descrizione breve	Descrizione	Quota	Spessore
L1	fondo corsa	-220	40
L2	Fondazione	-140	65
L3	p.lo 1	200	20
L4	Piano 1	380	20
L5	p.lo 2	535	20
L6	Piano 2	690	20
L7	p.lo 3	845	20
L8	Piano 3	1000	20
L9	p.lo 4	1155	20
L10	Piano 4	1310	20
L11	p.lo 5	1465	20
L12	Piano 5	1620	20
L13	p.lo 6	1775	20
L14	Piano 6	1930	20
L15	p.lo 7	2085	20
L16	Piano 7	2240	20

Verifiche nei nodi

Sezioni rettangolari

Descrizione	Dir.	Base	Altezza	As,sup	As,inf	c,sup	c,inf
3841 Prosp.A	Orizzontale	90.51	20	10.18	10.18	4.65	4.65
7066 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
3953 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
3901 Prosp.A	Orizzontale	91.81	20	10.18	10.18	4.65	4.65
21327 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
20817 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
21330 Prosp.A	Verticale	100	20	4.71	4.71	3.5	3.5
20834 Prosp.A	Orizzontale	70	20	7.92	7.92	4.66	4.66
20894 Prosp.A	Orizzontale	100	20	11.31	11.31	4.6	4.6
13224 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
9812 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
16464 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
4020 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
4067 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
4222 Prosp.A	Orizzontale	50	20	5.2	5.2	4.68	4.68
3973 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
4025 Prosp.A	Orizzontale	88.53	20	10.18	10.18	4.65	4.65

Verifiche a flessione SLU D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
3841 Prosp.A	Orizzontale	SLV 7	54172	60803	60779	68219	1.122	Si
3841 Prosp.A	Orizzontale	SLV 3	-74645	53401	-88154	63066	1.181	Si
7066 Prosp.A	Orizzontale	SLV 1	-184981	6135	-235851	7822	1.275	Si
3953 Prosp.A	Orizzontale	SLV 1	-33884	27869	-43677	35924	1.289	Si
3901 Prosp.A	Orizzontale	SLV 1	-65373	48747	-85297	63603	1.3048	Si

Verifiche a flessione SLD Resistenza D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
21327 Prosp.A	Orizzontale	SLD 3	-67690	5994	-178233	15782	2.6331	Si
20817 Prosp.A	Orizzontale	SLD 3	-106485	-701	-303146	-1996	2.8469	Si
21330 Prosp.A	Verticale	SLD 3	-40975	6338	-122636	18968	2.993	Si
20834 Prosp.A	Orizzontale	SLD 3	-145981	-2356	-455969	-7358	3.1235	Si
20894 Prosp.A	Orizzontale	SLD 1	224123	-6584	726634	-21347	3.2421	Si

Verifiche a taglio SLU D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
7066 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLV 1	2925	5018	170986	5203	20682	0	5203	2.5	5.655	1.779	Si
4343 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLV 1	2887	5058	4341	5203	20682	0	5203	2.5	5.655	1.8019	Si
19449 Prosp.A	Verticale	16.5	100	Non necessaria	0	SLV 5	-4959	422	117279	9052	44556	0	9052	2.5	3.927	1.8254	Si
7422 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLV 1	2812	6329	-8330	5203	20682	0	5203	2.5	5.655	1.8503	Si
10445 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLV 1	2755	2207	-184456	5203	20682	0	5203	2.5	5.655	1.8884	Si

Verifiche a taglio SLD Resistenza D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
19449 Prosp.A	Verticale	16.5	100	Non necessaria	0	SLD 5	-2368	7	59529	9052	44556	0	9052	2.5	3.927	3.822	Si
17596 Prosp.A	Verticale	16.5	100	Non necessaria	0	SLD 5	-2294	-153	56145	9071	44576	0	9071	2.5	3.927	3.9545	Si
14472 Prosp.A	Verticale	16.5	100	Non necessaria	0	SLD 1	-2257	-902	55694	9163	44671	0	9163	2.5	3.927	4.0596	Si
10445 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 1	1481	-11305	97235	6501	22026	0	6501	2.5	5.655	4.389	Si
7671 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 1	1473	-11285	6807	6499	22023	0	6499	2.5	5.655	4.412	Si

Verifiche SLE tensione calcestruzzo D.M. 17-01-18 §4.1.2.2.5.1

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σc	σc limite	Es/Ec	c.s.	Verifica
20817 Prosp.A	Orizzontale	SLE QP 2	97776	-6547	No	-31.2	138.2	15	4.4241	Si
13224 Prosp.A	Orizzontale	SLE QP 2	70370	-14042	No	-30.5	138.2	15	4.5372	Si
9812 Prosp.A	Orizzontale	SLE QP 2	60988	-16300	No	-29.9	138.2	15	4.6176	Si
16464 Prosp.A	Orizzontale	SLE QP 2	75811	-11538	No	-29.7	138.2	15	4.6462	Si
20817 Prosp.A	Orizzontale	SLE RA 12	121875	-8113	No	-38.9	184.3	15	4.7374	Si

Verifiche SLE tensione acciaio D.M. 17-01-18 §4.1.2.2.5.2

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σf	σf limite	Es/Ec	c.s.	Verifica
4020 Prosp.A	Orizzontale	SLE RA 1	-2124	-18035	No	-226.8	3600	15	15.8744	Si
4067 Prosp.A	Orizzontale	SLE RA 1	-1653	-17892	No	-225.9	3600	15	15.9333	Si
4222 Prosp.A	Orizzontale	SLE RA 1	2552	-17705	No	-224.2	3600	15	16.0538	Si
3973 Prosp.A	Orizzontale	SLE RA 2	-8944	-18921	No	-223.7	3600	15	16.0963	Si
4025 Prosp.A	Orizzontale	SLE RA 1	-3822	-30481	No	-215.7	3600	15	16.6915	Si

Verifiche generali

Asc 1B-1

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Livelli significativi

Descrizione breve	Descrizione	Quota	Spessore
L1	fondo corsa	-220	40
L2	Fondazione	-140	65
L3	p.lo 1	200	20
L4	Piano 1	380	20
L5	p.lo 2	535	20
L6	Piano 2	690	20
L7	p.lo 3	845	20
L8	Piano 3	1000	20
L9	p.lo 4	1155	20
L10	Piano 4	1310	20
L11	p.lo 5	1465	20
L12	Piano 5	1620	20

Verifiche nei nodi

Sezioni rettangolari

Descrizione	Dir.	Base	Altezza	As,sup	As,inf	c,sup	c,inf
7067 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
7396 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
6429 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
6487 Prosp.A	Orizzontale	70	20	7.92	7.92	4.66	4.66
10447 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
17580 Prosp.A	Verticale	100	20	3.93	3.93	3.5	3.5
17583 Prosp.A	Verticale	100	20	3.93	3.93	3.5	3.5
6875 Prosp.A	Orizzontale	96.25	20	11.31	11.31	4.64	4.64
6734 Prosp.A	Orizzontale	100	20	11.31	11.31	4.6	4.6
16466 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
4115 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
4026 Prosp.A	Orizzontale	88.53	20	10.18	10.18	4.65	4.65
4120 Prosp.A	Orizzontale	87.47	20	10.18	10.18	4.65	4.65

Verifiche a flessione SLU D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
7067 Prosp.A	Orizzontale	SLV 13	187551	10236	209900	11456	1.1192	Si
7396 Prosp.A	Orizzontale	SLV 15	86881	22845	99474	26156	1.1449	Si
6429 Prosp.A	Orizzontale	SLV 15	152388	13456	178424	15755	1.1708	Si
6487 Prosp.A	Orizzontale	SLV 15	212282	15486	269037	19627	1.2674	Si
10447 Prosp.A	Orizzontale	SLV 13	-208157	2805	-265472	3577	1.2753	Si

Verifiche a flessione SLD Resistenza D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
17580 Prosp.A	Verticale	SLD 15	-102871	-1621	-267602	-4217	2.6013	Si
7067 Prosp.A	Orizzontale	SLD 13	117546	-941	306150	-2451	2.6045	Si
10447 Prosp.A	Orizzontale	SLD 13	110227	-330	295729	-884	2.6829	Si
10447 Prosp.A	Orizzontale	SLD 13	-125797	-3110	-345717	-8547	2.7482	Si
17583 Prosp.A	Verticale	SLD 7	-106315	-3133	-304283	-8967	2.8621	Si

Verifiche a taglio SLU D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
10447 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLV 15	-3695	-428	-175169	5252	20733	0	5252	2.5	5.655	1.4214	Si
7067 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLV 13	-3614	6536	-180833	5203	20682	0	5203	2.5	5.655	1.4397	Si
4344 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLV 13	-3531	5415	-3283	5203	20682	0	5203	2.5	5.655	1.4735	Si
7672 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLV 15	-3654	-1663	1445	5394	20880	0	5394	2.5	5.655	1.4761	Si
3857 Prosp.A	Orizzontale	15.4	91.4	Non necessaria	0	SLU 3	6904	-6674	70370	10245	38693	0	10245	2.5	10.179	1.484	Si

Verifiche a taglio SLD Resistenza D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
17580 Prosp.A	Orizzontale	15.3	81.2	Non necessaria	0	SLD 15	-4218	-8305	-141330	9374	34643	0	9374	2.5	9.048	2.2222	Si
17575 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 13	-2588	-8801	-93431	6214	21728	0	6214	2.5	5.655	2.401	Si
7423 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 13	-2052	359	8698	5203	20682	0	5203	2.5	5.655	2.5354	Si
7067 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 13	-2074	-941	117546	5311	20794	0	5311	2.5	5.655	2.5608	Si
10447 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 15	-2187	-4642	-112742	5736	21234	0	5736	2.5	5.655	2.6227	Si

Verifiche SLE tensione calcestruzzo D.M. 17-01-18 §4.1.2.2.5.1

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σc	σc limite	Es/Ec	c.s.	Verifica
7067 Prosp.A	Orizzontale	SLE RA 7	-134046	-20138	No	-52.4	184.3	15	3.5186	Si
6875 Prosp.A	Orizzontale	SLE RA 7	-212303	-36433	No	-44.8	184.3	15	4.1118	Si
7067 Prosp.A	Orizzontale	SLE QP 2	-69617	-11279	No	-27.9	138.2	15	4.9535	Si
6734 Prosp.A	Orizzontale	SLE RA 7	-154640	-35689	No	-35.5	184.3	15	5.1971	Si
7067 Prosp.A	Orizzontale	SLE QP 2	72490	-8614	No	-26.4	138.2	15	5.2401	Si

Verifiche SLE tensione acciaio D.M. 17-01-18 §4.1.2.2.5.2

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σf	σf limite	Es/Ec	c.s.	Verifica
16466 Prosp.A	Orizzontale	SLE RA 12	106729	-3861	No	177.2	3600	15	20.3185	Si
4115 Prosp.A	Orizzontale	SLE RA 1	-3342	-14210	No	-175.1	3600	15	20.5557	Si
4026 Prosp.A	Orizzontale	SLE RA 1	-2995	-24474	No	-173.3	3600	15	20.7774	Si
4026 Prosp.A	Orizzontale	SLE RA 2	9599	-25296	No	-171.3	3600	15	21.0144	Si
4120 Prosp.A	Orizzontale	SLE RA 1	-4984	-24230	No	-170.9	3600	15	21.0706	Si

Verifiche generali

Asc 1B-2

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Livelli significativi

Descrizione breve	Descrizione	Quota	Spessore
L1	fondo corsa	-220	40
L2	Fondazione	-140	65
L3	p.lo 1	200	20
L4	Piano 1	380	20
L5	p.lo 2	535	20
L6	Piano 2	690	20
L7	p.lo 3	845	20
L8	Piano 3	1000	20
L9	p.lo 4	1155	20
L10	Piano 4	1310	20
L11	p.lo 5	1465	20
L12	Piano 5	1620	20

Verifiche nei nodi

Sezioni rettangolari

Descrizione	Dir.	Base	Altezza	As,sup	As,inf	c,sup	c,inf
3337 Prosp.A	Orizzontale	100	20	11.31	11.31	4.6	4.6
3954 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
4004 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
3866 Prosp.A	Orizzontale	100	20	11.31	11.31	4.6	4.6
4051 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
3336 Prosp.A	Orizzontale	100	20	11.31	11.31	4.6	4.6
10449 Prosp.A	Verticale	100	20	3.93	3.93	3.5	3.5
13864 Prosp.A	Verticale	100	20	3.93	3.93	3.5	3.5
4344 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68

Verifiche a flessione SLU D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
3337 Prosp.A	Orizzontale	SLV 5	103232	45902	140530	62487	1.3613	Si
3954 Prosp.A	Orizzontale	SLV 9	16669	28976	22941	39879	1.3763	Si
4004 Prosp.A	Orizzontale	SLV 5	17552	28794	24166	39646	1.3769	Si
3866 Prosp.A	Orizzontale	SLV 5	42204	52683	61746	77077	1.463	Si
4051 Prosp.A	Orizzontale	SLV 5	18443	26018	27634	38984	1.4983	Si

Verifiche a flessione SLD Resistenza D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo

sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
3336 Prosp.A	Orizzontale	SLD 5	190054	783	571206	2352	3.0055	Si
3337 Prosp.A	Orizzontale	SLD 5	177937	2117	543013	6460	3.0517	Si
10449 Prosp.A	Verticale	SLD 1	-10859	6278	-41986	24274	3.8666	Si
13864 Prosp.A	Verticale	SLD 1	-9375	5666	-40535	24497	4.3236	Si
3337 Prosp.A	Orizzontale	SLD 11	-220466	-39950	-977946	-177211	4.4358	Si

Verifiche a taglio SLU D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
3336 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLU 46	7179	2621	-343511	10442	41586	0	10442	2.5	11.31	1.4547	Si
3337 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLV 9	6661	8862	246637	10442	41586	0	10442	2.5	11.31	1.5677	Si
3865 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLU 46	7179	-12811	10325	11922	43116	0	11922	2.5	11.31	1.6608	Si
3866 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLU 46	7713	-32515	20484	14198	45471	0	14198	2.5	11.31	1.8407	Si
3337 Prosp.A	Verticale	16.5	97.5	Non necessaria	0	SLU 46	7949	-62581	-99290	16570	51454	0	16570	2.5	3.927	2.0844	Si

Verifiche a taglio SLD Resistenza D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
3336 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLD 5	4485	783	190054	10442	41586	0	10442	2.5	11.31	2.3283	Si
3337 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLD 9	4357	-1024	185128	10561	41708	0	10561	2.5	11.31	2.4239	Si
3866 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLD 11	3449	-45363	-42855	15682	47006	0	15682	2.5	11.31	4.5468	Si
3865 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLD 7	3338	-46356	-40571	15797	47124	0	15797	2.5	11.31	4.7319	Si
3866 Prosp.A	Verticale	16.5	100	Non necessaria	0	SLD 15	1917	-7494	-34744	9979	45515	0	9979	2.5	3.927	5.2066	Si

Verifiche SLE tensione calcestruzzo D.M. 17-01-18 §4.1.2.2.5.1

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σc	σc limite	Es/Ec	c.s.	Verifica
3336 Prosp.A	Orizzontale	SLE RA 7	-239531	463	Si	-59.2	184.3	15	3.1117	Si
3336 Prosp.A	Orizzontale	SLE QP 2	153213	-6601	Si	-37.5	138.2	15	3.682	Si
3336 Prosp.A	Orizzontale	SLE RA 12	176105	-7035	Si	-43.2	184.3	15	4.265	Si
3337 Prosp.A	Orizzontale	SLE RA 7	-259256	-11037	No	-38.6	184.3	15	4.7759	Si
3336 Prosp.A	Orizzontale	SLE QP 2	-126469	-17124	Si	-28.8	138.2	15	4.7988	Si

Verifiche SLE tensione acciaio D.M. 17-01-18 §4.1.2.2.5.2

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σf	σf limite	Es/Ec	c.s.	Verifica
3336 Prosp.A	Orizzontale	SLE RA 3	-227076	2319	Si	1617.7	3600	15	2.2254	Si
3336 Prosp.A	Orizzontale	SLE RA 7	162127	7593	Si	1438.2	3600	15	2.503	Si
3337 Prosp.A	Orizzontale	SLE RA 7	179536	2886	No	208.5	3600	15	17.27	Si
3337 Prosp.A	Orizzontale	SLE RA 7	-259256	-11037	No	203.5	3600	15	17.6887	Si
4344 Prosp.A	Orizzontale	SLE RA 6	-875	-11184	No	-141.6	3600	15	25.4299	Si

Verifiche SLE fessurazione D.M. 17-01-18 §4.1.2.2.4

Descrizione	Dir.	Comb.	Fessurazione non valutabile	MEd	NEd	Sezione fessurata	εsm	Δmax	Wd	Wlim	Es/Ec	c.s.	Verifica
3336 Prosp.A	Orizzontale	SLE QP 2		153213	-6601	Si	0.00035	17.2	0.006	0.03	15	4.9969	Si
3336 Prosp.A	Orizzontale	SLE FR 2		-171245	-6953	Si	0.0004	17.3	0.0069	0.04	15	5.7897	Si
3336 Prosp.A	Orizzontale	SLE FR 4		149578	637	Si	0.0003	22.4	0.0067	0.04	15	5.9962	Si
3336 Prosp.A	Orizzontale	SLE QP 2		-126469	-17124	Si	0.00008	11.5	0.0009	0.03	15	33.0217	Si

Verifiche generali

Asc 1B-3

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Livelli significativi

Descrizione breve	Descrizione	Quota	Spessore
L1	fondo corsa	-220	40
L2	Fondazione	-140	65
L3	p.lo 1	200	20
L4	Piano 1	380	20
L5	p.lo 2	535	20
L6	Piano 2	690	20
L7	p.lo 3	845	20
L8	Piano 3	1000	20
L9	p.lo 4	1155	20
L10	Piano 4	1310	20
L11	p.lo 5	1465	20
L12	Piano 5	1620	20

Verifiche nei nodi

Sezioni rettangolari

Descrizione	Dir.	Base	Altezza	As,sup	As,inf	c,sup	c,inf
7072 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
3957 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68

Descrizione	Dir.	Base	Altezza	As,sup	As,inf	c,sup	c,inf
6431 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
10451 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
16468 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
7402 Prosp.A	Verticale	100	20	3.93	3.93	3.5	3.5
17360 Prosp.A	Verticale	100	20	4.71	4.71	3.5	3.5
16528 Prosp.A	Orizzontale	70	20	7.92	7.92	4.66	4.66
9816 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
4022 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
4069 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
4224 Prosp.A	Orizzontale	50	20	5.2	5.2	4.68	4.68
4027 Prosp.A	Orizzontale	88.53	20	10.18	10.18	4.65	4.65
4229 Prosp.A	Orizzontale	86.73	20	9.36	9.36	4.65	4.65

Verifiche a flessione SLU D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
7072 Prosp.A	Orizzontale	SLV 1	-178964	11635	-199108	12945	1.1126	Si
3957 Prosp.A	Orizzontale	SLV 1	-28780	31991	-33982	37773	1.1807	Si
7072 Prosp.A	Orizzontale	SLV 1	166602	10384	201772	12576	1.2111	Si
6431 Prosp.A	Orizzontale	SLV 3	-173084	9024	-212594	11084	1.2283	Si
10451 Prosp.A	Orizzontale	SLV 1	-186986	6491	-233787	8115	1.2503	Si

Verifiche a flessione SLD Resistenza D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
16468 Prosp.A	Orizzontale	SLD 3	-99064	-1278	-316958	-4090	3.1995	Si
6431 Prosp.A	Orizzontale	SLD 3	-101257	-1727	-326607	-5570	3.2255	Si
7402 Prosp.A	Verticale	SLD 7	-20250	5984	-68391	20211	3.3774	Si
10451 Prosp.A	Orizzontale	SLD 1	-84114	144	-286492	492	3.406	Si
17360 Prosp.A	Verticale	SLD 7	-35039	5668	-119516	19332	3.411	Si

Verifiche a taglio SLU D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
3853 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLU 29	-7481	-22013	103276	12866	44216	0	12866	2.5	10.928	1.7199	Si
7072 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLV 1	2819	10384	166602	5203	20682	0	5203	2.5	5.655	1.8455	Si
10451 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLV 1	2798	6491	-186986	5203	20682	0	5203	2.5	5.655	1.8594	Si
4347 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLV 1	2785	10525	5204	5203	20682	0	5203	2.5	5.655	1.8678	Si
10816 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLV 1	2784	6483	-10903	5203	20682	0	5203	2.5	5.655	1.8685	Si

Verifiche a taglio SLD Resistenza D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
10451 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 1	1220	144	-84114	5203	20682	0	5203	2.5	5.655	4.2655	Si
10816 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 1	1214	110	-12515	5203	20682	0	5203	2.5	5.655	4.2858	Si
7675 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 1	1268	-4737	7822	5747	21245	0	5747	2.5	5.655	4.5315	Si
7072 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 1	1120	-28	67677	5206	20685	0	5206	2.5	5.655	4.6485	Si
14204 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 7	1115	384	-28731	5203	20682	0	5203	2.5	5.655	4.6656	Si

Verifiche SLE tensione calcestruzzo D.M. 17-01-18 §4.1.2.2.5.1

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σc	σc limite	Es/Ec	c.s.	Verifica
16468 Prosp.A	Orizzontale	SLE QP 2	76688	-5206	No	-24.6	138.2	15	5.6267	Si
16468 Prosp.A	Orizzontale	SLE RA 13	97604	-6466	No	-31.1	184.3	15	5.9205	Si
16528 Prosp.A	Orizzontale	SLE QP 2	102205	-6182	No	-22.9	138.2	15	6.0354	Si
9816 Prosp.A	Orizzontale	SLE QP 2	55353	-9693	No	-22.8	138.2	15	6.0606	Si
6431 Prosp.A	Orizzontale	SLE QP 2	-55052	-9049	No	-22.2	138.2	15	6.2328	Si

Verifiche SLE tensione acciaio D.M. 17-01-18 §4.1.2.2.5.2

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σf	σf limite	Es/Ec	c.s.	Verifica
4022 Prosp.A	Orizzontale	SLE RA 1	-1503	-12353	No	-155.2	3600	15	23.1918	Si
4069 Prosp.A	Orizzontale	SLE RA 2	-7382	-13241	No	-154.1	3600	15	23.3574	Si
4224 Prosp.A	Orizzontale	SLE RA 1	1880	-12052	No	-152.3	3600	15	23.6299	Si
4027 Prosp.A	Orizzontale	SLE RA 1	-2689	-20894	No	-147.8	3600	15	24.3633	Si
4229 Prosp.A	Orizzontale	SLE RA 1	2845	-19885	No	-144.5	3600	15	24.9151	Si

Verifiche generali

Setto S1

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Livelli significativi

Descrizione breve	Descrizione	Quota	Spessore
L2	Fondazione	-140	65
L3	p.lo 1	200	20
L4	Piano 1	380	20
L5	p.lo 2	535	20
L6	Piano 2	690	20

Descrizione breve	Descrizione	Quota	Spessore
L7	p.lo 3	845	20
L8	Piano 3	1000	20
L9	p.lo 4	1155	20
L10	Piano 4	1310	20
L11	p.lo 5	1465	20
L12	Piano 5	1620	20
L13	p.lo 6	1775	20
L14	Piano 6	1930	20

Verifiche nei nodi

Sezioni rettangolari

Descrizione	Dir.	Base	Altezza	As,sup	As,inf	c,sup	c,inf
19899 Prosp.A	Orizzontale	50	30	5.65	5.65	4.91	4.83
19065 Prosp.A	Orizzontale	50	30	5.65	7.32	4.68	4.66
20936 Prosp.A	Orizzontale	100	30	4.05	4.05	4.8	4.8
21002 Prosp.A	Orizzontale	100	30	4.05	4.05	4.8	4.8
21074 Prosp.A	Orizzontale	100	30	4.05	4.05	4.8	4.8
20822 Prosp.A	Orizzontale	96.75	30	8.24	9.7	4.85	4.84
3834 Prosp.A	Orizzontale	50	30	5.65	5.65	4.68	4.68
6324 Prosp.A	Orizzontale	50	30	5.65	7.32	4.68	4.66
3839 Prosp.A	Orizzontale	96.75	30	11.31	11.31	4.64	4.64
3924 Prosp.A	Orizzontale	50	30	5.65	5.65	4.68	4.68
3929 Prosp.A	Orizzontale	96.75	30	11.31	11.31	4.64	4.64
3971 Prosp.A	Orizzontale	50	30	5.65	5.65	4.68	4.68

Verifiche a flessione SLU D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
19899 Prosp.A	Orizzontale	SLV 9	-131277	29920	-135004	30770	1.0284	Si
19065 Prosp.A	Orizzontale	SLV 9	148342	26525	159990	28608	1.0785	Si
20936 Prosp.A	Orizzontale	SLV 1	-388839	-4393	-435215	-4917	1.1193	Si
21002 Prosp.A	Orizzontale	SLV 1	-341298	-1377	-394370	-1591	1.1555	Si
21074 Prosp.A	Orizzontale	SLV 3	-260596	4818	-303880	5618	1.1661	Si

Verifiche a flessione SLD Resistenza D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
20936 Prosp.A	Orizzontale	SLD 1	-285720	-4010	-452662	-6352	1.5843	Si
21002 Prosp.A	Orizzontale	SLD 1	-254872	-2211	-419571	-3639	1.6462	Si
21074 Prosp.A	Orizzontale	SLD 3	-215337	559	-362926	941	1.6854	Si
20822 Prosp.A	Orizzontale	SLD 5	-412643	-839	-877149	-1783	2.1257	Si
19065 Prosp.A	Orizzontale	SLD 9	143031	7558	307934	16272	2.1529	Si

Verifiche a taglio SLU D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
19736 Prosp.A	Orizzontale	25.3	50	Non necessaria	0	SLV 1	-3101	-10026	96473	8138	35497	0	8138	2.5	5.655	2.6244	Si
19899 Prosp.A	Orizzontale	25.2	50	Non necessaria	0	SLV 5	-2509	17098	-172402	6852	33990	0	6852	2.5	5.655	2.7304	Si
19065 Prosp.A	Orizzontale	25.3	50	Non necessaria	0	SLV 1	-3101	-13241	297533	8545	35918	0	8545	2.5	5.655	2.7556	Si
10783 Prosp.A	Orizzontale	25.3	50	Non necessaria	0	SLV 1	-2912	-9377	114107	8056	35412	0	8056	2.5	5.655	2.7659	Si
14200 Prosp.A	Orizzontale	25.3	50	Non necessaria	0	SLV 1	-2836	-9975	114353	8131	35490	0	8131	2.5	5.655	2.8669	Si

Verifiche a taglio SLD Resistenza D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
19736 Prosp.A	Orizzontale	25.3	50	Non necessaria	0	SLD 1	-2125	-5487	68640	7563	34902	0	7563	2.5	5.655	3.5584	Si
19899 Prosp.A	Orizzontale	25.2	50	Non necessaria	0	SLD 5	-1919	1025	-130675	6852	33990	0	6852	2.5	5.655	3.5713	Si
19065 Prosp.A	Orizzontale	25.3	50	Non necessaria	0	SLD 1	-2125	-7967	207184	7877	35227	0	7877	2.5	5.655	3.7061	Si
17353 Prosp.A	Orizzontale	25.3	50	Non necessaria	0	SLD 1	-1756	-7917	78039	7871	35221	0	7871	2.5	5.655	4.4823	Si
17572 Prosp.A	Orizzontale	25.3	50	Non necessaria	0	SLD 5	-1535	-277	-67626	6904	34220	0	6904	2.5	5.655	4.4967	Si

Verifiche SLE tensione calcestruzzo D.M. 17-01-18 §4.1.2.2.5.1

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σc	σc limite	Es/Ec	c.s.	Verifica
3834 Prosp.A	Orizzontale	SLE RA 7	127597	-37489	No	-37.1	184.3	15	4.9649	Si
3834 Prosp.A	Orizzontale	SLE QP 2	29393	-37412	No	-25.8	138.2	15	5.3597	Si
6324 Prosp.A	Orizzontale	SLE RA 7	-159185	-24525	No	-33	184.3	15	5.5827	Si
20822 Prosp.A	Orizzontale	SLE QP 2	-327783	-11486	No	-23.8	138.2	15	5.8065	Si
3839 Prosp.A	Orizzontale	SLE RA 7	235862	-56009	No	-31.2	184.3	15	5.9054	Si

Verifiche SLE tensione acciaio D.M. 17-01-18 §4.1.2.2.5.2

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σf	σf limite	Es/Ec	c.s.	Verifica
20822 Prosp.A	Orizzontale	SLE RA 12	-417160	-13822	No	193.5	3600	15	18.6037	Si
3924 Prosp.A	Orizzontale	SLE RA 1	-11818	-22317	No	-186.4	3600	15	19.3158	Si
3929 Prosp.A	Orizzontale	SLE RA 1	-25953	-40347	No	-170.8	3600	15	21.082	Si
19065 Prosp.A	Orizzontale	SLE RA 12	177158	-4788	No	167.2	3600	15	21.525	Si
3971 Prosp.A	Orizzontale	SLE RA 1	-16071	-20572	No	-165.6	3600	15	21.7376	Si

Verifiche generali

Setto S2

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Livelli significativi

Descrizione breve	Descrizione	Quota	Spessore
L2	Fondazione	-140	65
L3	p.lo 1	200	20
L4	Piano 1	380	20
L5	p.lo 2	535	20
L6	Piano 2	690	20
L7	p.lo 3	845	20
L8	Piano 3	1000	20
L9	p.lo 4	1155	20
L10	Piano 4	1310	20
L11	p.lo 5	1465	20
L12	Piano 5	1620	20
L13	p.lo 6	1775	20
L14	Piano 6	1930	20

Verifiche nei nodi

Sezioni rettangolari

Descrizione	Dir.	Base	Altezza	As,sup	As,inf	c,sup	c,inf
19898 Prosp.A	Orizzontale	50	30	8.04	10.05	4.89	6.91
19894 Prosp.A	Orizzontale	50	30	10.05	8.04	6.91	4.89
19895 Prosp.A	Orizzontale	77.04	30	12.06	10.05	6.56	4.87
19897 Prosp.A	Orizzontale	77.95	30	11.62	13.63	4.86	6.36
3833 Prosp.A	Orizzontale	50	30	8.04	10.05	4.89	6.91
19896 Prosp.A	Orizzontale	100	30	15.72	14.07	5.91	4.85
3832 Prosp.A	Orizzontale	50	30	10.05	8.04	6.91	4.89
3871 Prosp.A	Orizzontale	100	30	14.46	14.46	4.86	4.86
5771 Prosp.A	Orizzontale	50	30	8.04	10.05	4.89	6.91
4110 Prosp.A	Orizzontale	50	30	10.05	8.04	6.91	4.89
4102 Prosp.A	Orizzontale	77.07	30	12.06	10.05	6.56	4.87
4151 Prosp.A	Orizzontale	100	30	15.75	14.69	5.55	4.86
4063 Prosp.A	Orizzontale	50	30	10.05	8.04	6.91	4.89
4150 Prosp.A	Orizzontale	77.52	30	11.08	13.09	4.86	6.42

Verifiche a flessione SLU D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
19898 Prosp.A	Orizzontale	SLV 3	-247337	35791	-276979	40080	1.1198	Si
19894 Prosp.A	Orizzontale	SLV 9	-179640	42246	-203846	47939	1.1347	Si
19895 Prosp.A	Orizzontale	SLV 9	-280547	36454	-365372	47476	1.3024	Si
19897 Prosp.A	Orizzontale	SLV 3	-391336	30216	-556119	42940	1.4211	Si
3833 Prosp.A	Orizzontale	SLV 9	136951	18825	285854	39294	2.0873	Si

Verifiche a flessione SLD Resistenza D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
19898 Prosp.A	Orizzontale	SLD 3	-181234	15427	-373256	31773	2.0595	Si
19894 Prosp.A	Orizzontale	SLD 9	-152724	14348	-354946	33345	2.3241	Si
19897 Prosp.A	Orizzontale	SLD 3	-286340	12589	-698625	30714	2.4398	Si
19895 Prosp.A	Orizzontale	SLD 9	-238547	11879	-584001	29080	2.4482	Si
19896 Prosp.A	Orizzontale	SLD 1	-407853	-2430	-1331547	-7935	3.2648	Si

Verifiche a taglio SLU D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
19731 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLV 1	-3020	3501	173274	8811	33906	0	8811	2.5	12.064	2.9179	Si
18402 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLV 1	-2636	-1878	364647	7933	34150	0	7933	2.5	8.042	3.0099	Si
19894 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLV 1	-2813	-16017	-287178	9708	35986	0	9708	2.5	8.042	3.451	Si
19732 Prosp.A	Orizzontale	25.1	76.1	Non necessaria	0	SLV 1	-3574	1151	267087	12563	51647	0	12563	2.5	15.08	3.5147	Si
19765 Prosp.A	Orizzontale	25.1	76.8	Non necessaria	0	SLV 1	-3276	-4459	100418	11602	52695	0	11602	2.5	10.053	3.5418	Si

Verifiche a taglio SLD Resistenza D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
19894 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLD 1	-1818	-8503	-196951	8765	35010	0	8765	2.5	8.042	4.82	Si
19731 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLD 1	-1802	2750	106871	8811	33906	0	8811	2.5	12.064	4.8892	Si
18402 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLD 1	-1599	-1832	216219	7927	34144	0	7927	2.5	8.042	4.957	Si
18618 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLD 1	-1582	-4049	202570	8206	34432	0	8206	2.5	8.042	5.1867	Si
19765 Prosp.A	Orizzontale	25.1	76.8	Non necessaria	0	SLD 1	-2158	-3170	54368	11440	52527	0	11440	2.5	10.053	5.3013	Si

Verifiche SLE tensione calcestruzzo D.M. 17-01-18 §4.1.2.2.5.1

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σc	σc limite	Es/Ec	c.s.	Verifica
3832 Prosp.A	Orizzontale	SLE RA 7	169059	-51837	No	-47.7	184.3	15	3.8589	Si
3833 Prosp.A	Orizzontale	SLE RA 7	157244	-52662	No	-46.9	184.3	15	3.9269	Si
3871 Prosp.A	Orizzontale	SLE RA 7	312161	-99248	No	-46.3	184.3	15	3.9821	Si
3832 Prosp.A	Orizzontale	SLE QP 2	69763	-47347	No	-34.4	138.2	15	4.0224	Si
5771 Prosp.A	Orizzontale	SLE RA 7	-161653	-45165	No	-43.2	184.3	15	4.268	Si

Verifiche SLE tensione acciaio D.M. 17-01-18 §4.1.2.2.5.2

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σf	σf limite	Es/Ec	c.s.	Verifica

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σf	σf limite	Es/Ec	c.s.	Verifica
4110 Prosp.A	Orizzontale	SLE RA 1	2708	-40143	No	-336.9	3600	15	10.6858	Si
4102 Prosp.A	Orizzontale	SLE RA 1	18107	-61540	No	-335.6	3600	15	10.7274	Si
4151 Prosp.A	Orizzontale	SLE RA 1	4985	-77862	No	-335.1	3600	15	10.7445	Si
4063 Prosp.A	Orizzontale	SLE RA 1	11901	-40544	No	-330	3600	15	10.9077	Si
4150 Prosp.A	Orizzontale	SLE RA 1	3927	-59537	No	-329.4	3600	15	10.9302	Si

Verifiche generali

Setto S3

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Livelli significativi

Descrizione breve	Descrizione	Quota	Spessore
L2	Fondazione	-140	65
L3	p.lo 1	200	20
L4	Piano 1	380	20
L5	p.lo 2	535	20
L6	Piano 2	690	20
L7	p.lo 3	845	20
L8	Piano 3	1000	20
L9	p.lo 4	1155	20
L10	Piano 4	1310	20
L11	p.lo 5	1465	20
L12	Piano 5	1620	20
L13	p.lo 6	1775	20
L14	Piano 6	1930	20

Verifiche nei nodi

Sezioni rettangolari

Descrizione	Dir.	Base	Altezza	As,sup	As,inf	c,sup	c,inf
17774 Prosp.A	Orizzontale	79.67	30	15.29	12.06	4.85	4.86
17808 Prosp.A	Orizzontale	50	30	13.28	10.05	4.85	4.87
19891 Prosp.A	Orizzontale	100	30	14.07	14.07	4.8	4.8
19729 Prosp.A	Verticale	100	30	4.71	4.71	3.5	3.5
14744 Prosp.A	Orizzontale	50	30	13.28	10.05	4.85	4.87

Verifiche a flessione SLU D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
17774 Prosp.A	Orizzontale	SLV 3	-745787	6120	-952353	7815	1.277	Si
17774 Prosp.A	Orizzontale	SLV 3	768930	21528	998664	27960	1.2988	Si
17808 Prosp.A	Orizzontale	SLV 3	-565882	7996	-738752	10439	1.3055	Si
17808 Prosp.A	Orizzontale	SLV 3	577655	15682	864438	23468	1.4965	Si
19891 Prosp.A	Orizzontale	SLV 3	-481517	26167	-754316	40992	1.5665	Si

Verifiche a flessione SLD Resistenza D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
17774 Prosp.A	Orizzontale	SLD 3	610358	5982	1179416	11559	1.9323	Si
17774 Prosp.A	Orizzontale	SLD 3	-566976	-7537	-1208204	-16061	2.131	Si
17808 Prosp.A	Orizzontale	SLD 3	-422822	-2864	-914574	-6195	2.163	Si
17808 Prosp.A	Orizzontale	SLD 3	447752	4642	1002885	10398	2.2398	Si
19729 Prosp.A	Verticale	SLD 5	101301	5860	261259	15113	2.579	Si

Verifiche a taglio SLU D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
17808 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLV 1	-6817	3826	678817	9103	33953	0	9103	2.5	13.281	1.3353	Si
17566 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLV 1	-6460	-7178	-226295	9196	34863	0	9196	2.5	10.053	1.4235	Si
19730 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLV 1	-6817	5228	215062	10038	33944	0	10038	2.5	17.813	1.4725	Si
14744 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLV 1	-6459	-5228	669581	9761	34633	0	9761	2.5	13.281	1.5113	Si
14443 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLV 1	-6582	-14633	-239467	10133	35832	0	10133	2.5	10.053	1.5394	Si

Verifiche a taglio SLD Resistenza D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
17808 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLD 1	-4894	3	489232	9103	33953	0	9103	2.5	13.281	1.8599	Si
19730 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLD 1	-4894	3134	164477	10038	33944	0	10038	2.5	17.813	2.051	Si
17774 Prosp.A	Orizzontale	25.2	79.7	Non necessaria	0	SLD 1	-6340	-618	661433	13096	54198	0	13096	2.5	15.291	2.0655	Si
17566 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLD 1	-4511	-11477	-159385	9736	35421	0	9736	2.5	10.053	2.1583	Si
14744 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLD 1	-4517	-15421	-473041	10232	35934	0	10232	2.5	10.053	2.2649	Si

Verifiche SLE tensione calcestruzzo D.M. 17-01-18 §4.1.2.2.5.1

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σc	σc limite	Es/Ec	c.s.	Verifica
17774 Prosp.A	Orizzontale	SLE QP 2	502322	-4010	Si	-54.4	138.2	15	2.5423	Si
14744 Prosp.A	Orizzontale	SLE QP 2	-331652	-15619	Si	-53.8	138.2	15	2.5683	Si

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σc	σc limite	Es/Ec	c.s.	Verifica
17808 Prosp.A	Orizzontale	SLE QP 2	359263	-2466	Si	-53.6	138.2	15	2.5802	Si
17808 Prosp.A	Orizzontale	SLE QP 2	-327411	-9840	Si	-52.7	138.2	15	2.6224	Si
17774 Prosp.A	Orizzontale	SLE QP 2	-448253	-16300	Si	-52	138.2	15	2.6593	Si

Verifiche SLE tensione acciaio D.M. 17-01-18 §4.1.2.2.5.2

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σf	σf limite	Es/Ec	c.s.	Verifica
17774 Prosp.A	Orizzontale	SLE RA 13	584191	-4841	Si	1597	3600	15	2.2543	Si
17808 Prosp.A	Orizzontale	SLE RA 13	413804	-3084	Si	1340.4	3600	15	2.6857	Si
17774 Prosp.A	Orizzontale	SLE RA 13	-503929	-19155	Si	1143.5	3600	15	3.1483	Si
17808 Prosp.A	Orizzontale	SLE RA 13	-365511	-11474	Si	1133.8	3600	15	3.1752	Si
14744 Prosp.A	Orizzontale	SLE RA 13	359435	-9728	Si	918.7	3600	15	3.9185	Si

Verifiche SLE fessurazione D.M. 17-01-18 §4.1.2.2.4

Descrizione	Dir.	Comb.	Fessurazione non valutabile	MEd	NEd	Sezione fessurata	εsm	Δmax	Wd	Wlim	Es/Ec	c.s.	Verifica
17774 Prosp.A	Orizzontale	SLE QP 2		502322	-4010	Si	0.0004	23.1	0.0093	0.03	15	3.2339	Si
17774 Prosp.A	Orizzontale	SLE QP 2		-448253	-16300	Si	0.0003	25.1	0.0076	0.03	15	3.9263	Si
17774 Prosp.A	Orizzontale	SLE FR 6		525426	-4429	Si	0.00042	23.1	0.0096	0.04	15	4.1464	Si
17808 Prosp.A	Orizzontale	SLE QP 2		359263	-2466	Si	0.00034	20.2	0.0069	0.03	15	4.3604	Si
17808 Prosp.A	Orizzontale	SLE QP 2		-327411	-9840	Si	0.0003	22.2	0.0067	0.03	15	4.4787	Si

Verifiche generali

8.4 Verifiche piastre C.A.

Le unità di misura elencate nel capitolo sono in [cm, daN, deg] ove non espressamente specificato.

***Nodo**: indice del nodo di verifica.*
***Dir.**: direzione della sezione di verifica.*
***B**: base della sezione rettangolare di verifica. [cm]*
***H**: altezza della sezione rettangolare di verifica. [cm]*
***A. sup.**: area barre armatura superiori. [cm²]*
***C. sup.**: distanza media delle barre superiori dal bordo superiore della sezione. [cm]*
***A. inf.**: area barre armatura inferiori. [cm²]*
***C. inf.**: distanza media delle barre inferiori dal bordo inferiore della sezione. [cm]*
***Comb.**: combinazione di verifica.*
***M**: momento flettente. [daN*cm]*
***N**: sforzo normale. [daN]*
***Mu**: momento flettente ultimo. [daN*cm]*
***Nu**: sforzo normale ultimo. [daN]*
***c.s.**: coefficiente di sicurezza.*
***Verifica**: stato di verifica.*
***σc**: tensione nel calcestruzzo. [daN/cm²]*
***σlim**: tensione limite. [daN/cm²]*
***Es/Ec**: coefficiente di omogenizzazione.*
***σf**: tensione nell'acciaio d'armatura. [daN/cm²]*
***εsm**: deformazione unitaria media delle barre di armatura.*
***Δmax**: distanza massima tra le fessure. [cm]*
***Wd**: valore di calcolo di apertura delle fessure. [cm]*
***Comb.**: combinazione.*
***Fh**: componente orizzontale del carico. [daN]*
***Fv**: componente verticale del carico. [daN]*
***Cnd**: resistenza valutata a breve o lungo termine (BT - LT).*
***Ad**: adesione di progetto. [daN/cm²]*
***Phi**: angolo di attrito di progetto. [deg]*
***RPl**: resistenza passiva laterale unitaria di progetto. [daN/cm]*
***γR**: coefficiente parziale sulla resistenza di progetto.*
***Rd**: resistenza alla traslazione di progetto. [daN]*
***Ed**: azione di progetto. [daN]*
***Rd/Ed**: coefficiente di sicurezza allo scorrimento.*
***ID**: indice della verifica di capacità portante.*
***Fx**: componente lungo x del carico. [daN]*
***Fy**: componente lungo y del carico. [daN]*
***Fz**: componente verticale del carico. [daN]*
***Mx**: componente lungo x del momento. [daN*cm]*
***My**: componente lungo y del momento. [daN*cm]*
***ix**: inclinazione del carico in x. [deg]*
***iy**: inclinazione del carico in y. [deg]*
***ex**: eccentricità del carico in x. [cm]*
***ey**: eccentricità del carico in y. [cm]*
***B'**: larghezza efficace. [cm]*
***L'**: lunghezza efficace. [cm]*
***Cnd**: resistenza valutata per condizione a breve o lungo termine (BT - LT).*
***C**: coesione di progetto. [daN/cm²]*
***Qs**: sovraccarico laterale da piano di posa. [daN/cm²]*
***Rd**: resistenza alla rottura del complesso di progetto. [daN]*
***Ed**: azione di progetto (sforzo normale al piano di posa). [daN]*
***Rd/Ed**: coefficiente di sicurezza alla capacità portante.*
***N**:*
***Nq**: fattore di capacità portante per il termine di sovraccarico.*
***Nc**: fattore di capacità portante per il termine coesivo.*
***Ng**: fattore di capacità portante per il termine attritivo.*
***S**:*
***Sq**: fattore correttivo di capacità portante per forma (shape), per il termine di sovraccarico.*
***Sc**: fattore correttivo di capacità portante per forma (shape), per il termine coesivo.*
***Sg**: fattore correttivo di capacità portante per forma (shape), per il termine attritivo.*
***D**:*
***Dq**: fattore correttivo di capacità portante per approfondimento (deep), per il termine di sovraccarico.*
***Dc**: fattore correttivo di capacità portante per approfondimento (deep), per il termine coesivo.*
***Dg**: fattore correttivo di capacità portante per approfondimento (deep), per il termine attritivo.*
***I**:*
***Iq**: fattore correttivo di capacità portante per inclinazione del carico, per il termine di sovraccarico.*
***Ic**: fattore correttivo di capacità portante per inclinazione del carico, per il termine coesivo.*
***Ig**: fattore correttivo di capacità portante per inclinazione del carico, per il termine attritivo.*
***B**:*
***Bq**: fattore correttivo di capacità portante per inclinazione della base, per il termine di sovraccarico.*
***Bc**: fattore correttivo di capacità portante per inclinazione della base, per il termine coesivo.*
***Bg**: fattore correttivo di capacità portante per inclinazione della base, per il termine attritivo.*
***G**:*
***Gq**: fattore correttivo di capacità portante per inclinazione del pendio, per il termine di sovraccarico.*
***Gc**: fattore correttivo di capacità portante per inclinazione del pendio, per il termine coesivo.*
***Gg**: fattore correttivo di capacità portante per inclinazione del pendio, per il termine attritivo.*

***P**:*
***Pq**: fattore correttivo di capacità portante per punzonamento, per il termine di sovraccarico.*
***Pc**: fattore correttivo di capacità portante per punzonamento, per il termine coesivo.*
***Pg**: fattore correttivo di capacità portante per punzonamento, per il termine attritivo.*
***E**:*
***Eq**: fattore correttivo di capacità portante per sisma (earthquake), per il termine di sovraccarico.*
***Ec**: fattore correttivo di capacità portante per sisma (earthquake), per il termine coesivo.*
***Eg**: fattore correttivo di capacità portante per sisma (earthquake), per il termine attritivo.*

Fondo corsa dx

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (3054; 768; -220), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
6	Y	50	40	2.83	3.6	2.83	3.6	SLU 20	312808	0	396211	0	1.2666	Si
34	Y	100	40	5.65	3.6	5.65	3.6	SLU 19	618464	0	803765	0	1.2996	Si
9	Y	50	40	2.83	3.6	2.83	3.6	SLU 19	303772	0	396211	0	1.3043	Si
25	Y	100	40	5.65	3.6	5.65	3.6	SLU 19	614361	0	803765	0	1.3083	Si
17	Y	91	40	5.15	3.6	5.15	3.6	SLU 19	546087	0	727376	0	1.332	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
9	X	50	40	2.83	4.8	2.83	4.8	SLD 15	-135738	0	-348369	0	2.5665	Si
47	X	50	40	2.83	4.8	2.83	4.8	SLD 1	-135353	0	-348369	0	2.5738	Si
17	X	50	40	2.83	4.8	2.83	4.8	SLD 11	-133515	0	-348369	0	2.6092	Si
49	Y	50	40	2.83	3.6	2.83	3.6	SLD 1	-132031	0	-362103	0	2.7426	Si
50	X	50	40	2.83	4.8	2.83	4.8	SLD 13	-120611	0	-348369	0	2.8884	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
25	Y	100	40	5.65	3.6	5.65	3.6	SLE RA 6	408778	0	-14.1	184.3	15	Si
6	Y	50	40	2.83	3.6	2.83	3.6	SLE RA 7	203529	0	-14.1	184.3	15	Si
34	Y	100	40	5.65	3.6	5.65	3.6	SLE RA 2	401469	0	-13.9	184.3	15	Si
17	Y	91	40	5.15	3.6	5.15	3.6	SLE RA 6	360947	0	-13.7	184.3	15	Si
9	Y	50	40	2.83	3.6	2.83	3.6	SLE RA 6	197308	0	-13.6	184.3	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
25	Y	100	40	5.65	3.6	5.65	3.6	SLE RA 6	408778	0	173.7	3600	15	Si
6	Y	50	40	2.83	3.6	2.83	3.6	SLE RA 7	203529	0	173	3600	15	Si
34	Y	100	40	5.65	3.6	5.65	3.6	SLE RA 2	401469	0	170.6	3600	15	Si
17	Y	91	40	5.15	3.6	5.15	3.6	SLE RA 6	360947	0	168.5	3600	15	Si
9	Y	50	40	2.83	3.6	2.83	3.6	SLE RA 6	197308	0	167.7	3600	15	Si

Verifiche SLE fessurazione nei nodi

La piastra non presenta nodi con apertura delle fessure.

Fondo corsa sx

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (903; 768; -220), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
5	X	50	40	2.83	4.8	2.83	4.8	SLV 15	-283891	0	-348369	0	1.2271	Si
45	Y	50	40	2.83	3.6	2.83	3.6	SLV 1	-290374	0	-362103	0	1.247	Si
10	X	50	40	2.83	4.8	2.83	4.8	SLV 7	-271575	0	-348369	0	1.2828	Si
2	X	50	40	2.83	4.8	2.83	4.8	SLV 3	-271144	0	-348369	0	1.2848	Si
5	Y	50	40	2.83	3.6	2.83	3.6	SLU 20	308265	0	396211	0	1.2853	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
10	X	50	40	2.83	4.8	2.83	4.8	SLD 3	-177983	0	-348369	0	1.9573	Si
13	X	50	40	2.83	4.8	2.83	4.8	SLD 15	-176278	0	-348369	0	1.9762	Si
43	X	50	40	2.83	4.8	2.83	4.8	SLD 1	-165048	0	-348369	0	2.1107	Si
5	X	50	40	2.83	4.8	2.83	4.8	SLD 15	-164062	0	-348369	0	2.1234	Si
35	X	50	40	2.83	4.8	2.83	4.8	SLD 13	-160641	0	-348369	0	2.1686	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
5	Y	50	40	2.83	3.6	2.83	3.6	SLE RA 7	198719	0	-13.7	184.3	15	Si
21	Y	100	40	5.65	3.6	5.65	3.6	SLE RA 6	397153	0	-13.7	184.3	15	Si
13	Y	91	40	5.15	3.6	5.15	3.6	SLE RA 7	360827	0	-13.7	184.3	15	Si
18	Y	100	40	5.65	3.6	5.65	3.6	SLE RA 6	390007	0	-13.5	184.3	15	Si
10	Y	91	40	5.15	3.6	5.15	3.6	SLE RA 2	345966	0	-13.1	184.3	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
5	Y	50	40	2.83	3.6	2.83	3.6	SLE RA 7	198719	0	168.9	3600	15	Si
21	Y	100	40	5.65	3.6	5.65	3.6	SLE RA 6	397153	0	168.7	3600	15	Si
13	Y	91	40	5.15	3.6	5.15	3.6	SLE RA 7	360827	0	168.5	3600	15	Si
18	Y	100	40	5.65	3.6	5.65	3.6	SLE RA 6	390007	0	165.7	3600	15	Si
10	Y	91	40	5.15	3.6	5.15	3.6	SLE RA 2	345966	0	161.5	3600	15	Si

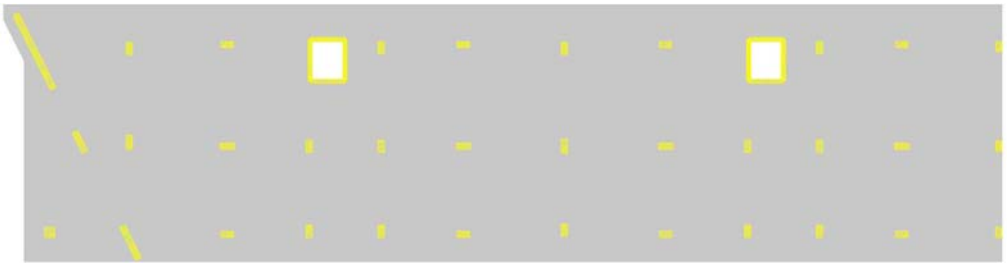
Verifiche SLE fessurazione nei nodi

La piastra non presenta nodi con apertura delle fessure.

Platea

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Geometria



Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (-600; -120; -140), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
2514	Y	100	65	10.05	3.8	20.11	3.8	SLV 7	-2247307	0	-2261923	0	1.0065	Si
2369	Y	100	65	10.05	3.8	20.11	3.8	SLV 7	-2242815	0	-2263467	0	1.0092	Si
3103	Y	100	65	10.05	3.8	25.76	3.9	SLV 15	-2231524	0	-2258099	0	1.0119	Si
2521	X	100	65	12.06	5.4	19.38	5.4	SLV 7	-2493937	0	-2530895	0	1.0148	Si
2399	Y	100	65	10.05	3.8	18.99	3.8	SLV 7	-2219855	0	-2262848	0	1.0194	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
3291	X	100	65	10.05	5.4	10.05	5.8	SLD 11	1388625	0	2176286	0	1.5672	Si
2923	X	50	65	5.03	5.4	9.05	5.4	SLD 3	1139002	0	1831050	0	1.6076	Si
3285	X	100	65	16.08	5.4	25.76	5.9	SLD 7	2787236	0	4589346	0	1.6466	Si
3047	X	50	65	5.03	5.4	9.05	5.4	SLD 3	1093419	0	1831050	0	1.6746	Si
3285	Y	100	65	16.08	3.8	35.19	3.9	SLD 3	4263696	0	7344581	0	1.7226	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
1631	X	100	65	10.05	5.4	41.47	6	SLE QP 2	3763541	0	-62.7	138.2	15	Si
1632	X	100	65	10.05	5.4	41.47	6	SLE QP 2	3414937	0	-56.9	138.2	15	Si
1631	X	100	65	10.05	5.4	41.47	6	SLE RA 12	4377182	0	-72.9	184.3	15	Si
1631	Y	100	65	10.05	3.8	41.47	4	SLE QP 2	3495197	0	-54.6	138.2	15	Si
3250	X	100	65	10.05	5.4	41.47	6	SLE QP 2	3259850	0	-54.3	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
1630	X	100	65	10.05	5.4	28.15	5.4	SLE RA 13	3303259	0	2184	3600	15	Si
1631	X	100	65	10.05	5.4	41.47	6	SLE RA 12	4377182	0	2026.9	3600	15	Si
1628	Y	100	65	10.05	3.8	41.47	4	SLE RA 13	4139875	0	1843.5	3600	15	Si
1632	X	100	65	10.05	5.4	41.47	6	SLE RA 13	3969937	0	1838.3	3600	15	Si
1605	X	100	65	10.05	5.4	35.19	5.9	SLE RA 13	3391158	0	1835.5	3600	15	Si

Verifiche SLE fessurazione nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	εsm	Δmax	Wd	Es/Ec	Verifica
1631	X	100	65	10.05	5.4	41.47	6	SLE QP 2	3763541	0	0.00056	28.1	0.0156	15	Si
1630	X	100	65	10.05	5.4	28.15	5.4	SLE QP 2	2758135	0	0.00053	28.7	0.0152	15	Si
1605	X	100	65	10.05	5.4	35.19	5.9	SLE QP 2	2894327	0	0.00046	30.4	0.0139	15	Si
1632	X	100	65	10.05	5.4	41.47	6	SLE QP 2	3414937	0	0.00048	28.4	0.0136	15	Si
1670	X	100	65	10.05	5.4	32.04	5.9	SLE QP 2	2468476	0	0.00043	31.6	0.0134	15	Si

Verifiche geotecniche

Dati geometrici dell'impronta di calcolo

Forma dell'impronta di calcolo: rettangolare di area equivalente
Area di ingombro esterno minore: 6019178.7
Angolo di rotazione corrispondente all'ingombro minore: 0
Rapporto di forma trovato (area ingombro esterno/area fondazione): 1.03
Centro impronta, nel sistema globale: 1848; 511.5; -205
Lato minore B dell'impronta: 1246.1
Lato maggiore L dell'impronta: 4830.5
Area dell'impronta rettangolare di calcolo: 6019178.7

Verifica di scorrimento sul piano di posa

Coefficiente di sicurezza minimo per scorrimento 4.44

Comb.	Fh	Fv	Cnd	Ad	Phi	RPl	γR	Rd	Ed	Rd/Ed	Verifica
SLU 2	141581	-3991040	LT	0	25	0	1.1	1717634	141581	12.13	Si
SLV 11	437829	-4513542	LT	0	25	0	1.1	1942505	437829	4.44	Si

Verifiche geotecniche di capacità portante sul piano di posa

Profondità massima del bulbo di rottura considerato: 12.77 m
Peso specifico efficace del terreno di progetto γs: 1950 daN/m3
Accelerazione normalizzata massima attesa al suolo Amax per verifiche in SLD: 0.013
Accelerazione normalizzata massima attesa al suolo Amax per verifiche in SLV: 0.025

Coefficiente di sicurezza minimo per portanza 29.14

ID	Comb.	Fx	Fy	Fz	Mx	My	ix	iy	ex	ey	B'	L'	Cnd	C	Phi	Qs	γR	Rd	Ed	Rd/Ed	Verifica
1	SLU 52	0	-93884	-7012395	-3113866	-686211292	0	-1	-98	0	1245	4635	LT	0	38	0	2.3	204321578	7012395	29.14	Si
2	SLV 11	0	414430	-4513542	-246628372	-374369751	0	5	-83	-55	1137	4665	LT	0	38	0	2.3	135800341	4513542	30.09	Si
3	SLD 11	0	166237	-4509715	-100134864	-406559548	0	2	-90	-22	1202	4650	LT	0	38	0	2.3	178246791	4509715	39.53	Si

Verifiche geotecniche di capacità portante - Fattori utilizzati nel calcolo di Rd

ID	N			S			D			I			B			G			P			E		
	Nq	Nc	Ng	Sq	Sc	Sg	Dq	Dc	Dg	Iq	Ic	Ig	Bq	Bc	Bg	Gq	Gc	Gg	Pq	Pc	Pg	Eq	Ec	Eg
1	49	61	78	1.21	1.21	0.89	1	1	1	0.98	0.98	0.96	1	1	1	1	1	1	1	1	1	1	1	1
2	49	61	78	1.19	1.19	0.9	1	1	1	0.84	0.84	0.76	1	1	1	1	1	1	1	1	1	0.99	0.99	0.99
3	49	61	78	1.2	1.21	0.9	1	1	1	0.93	0.93	0.9	1	1	1	1	1	1	1	1	1	0.99	1	0.99

Sc 1 - pianerottolo 1

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (913; 30; 200), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
4203	X	100	20	5.65	4.8	10.05	5.4	SLV 7	-281230	0	-316443	0	1.1252	Si
4171	X	100	20	5.65	4.8	10.05	5.4	SLV 1	-271617	0	-316443	0	1.165	Si
4186	Y	93.3	20	5.28	3.6	9.38	3.8	SLV 5	419170	0	503832	0	1.202	Si
4203	Y	50	20	2.83	3.6	5.03	3.8	SLV 15	-125099	0	-154565	0	1.2355	Si
4175	Y	93.3	20	5.28	3.6	9.38	3.8	SLV 15	-240465	0	-299319	0	1.2448	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
4203	Y	50	20	2.83	3.6	5.03	3.8	SLD 15	-81685	0	-154565	0	1.8922	Si
4201	Y	50	20	2.83	3.6	5.03	3.8	SLD 9	133665	0	257163	0	1.9239	Si
4186	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 5	247782	0	503832	0	2.0334	Si
4171	X	100	20	5.65	4.8	10.05	5.4	SLD 1	-152196	0	-316443	0	2.0792	Si
4155	Y	50	20	2.83	3.6	5.03	3.8	SLD 9	123479	0	257163	0	2.0827	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
4201	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	105111	0	-49.3	138.2	15	Si
4201	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 13	131646	0	-61.8	184.3	15	Si
4187	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	178069	0	-44.8	138.2	15	Si
4187	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 13	223771	0	-56.3	184.3	15	Si
4172	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	167540	0	-42.1	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
4201	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 13	131646	0	1841.5	3600	15	Si
4187	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 13	223771	0	1676.9	3600	15	Si
4172	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 13	214539	0	1607.7	3600	15	Si
4155	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 13	110871	0	264.1	3600	15	Si
4202	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 13	99641	0	237.4	3600	15	Si

Verifiche SLE fessurazione nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	εsm	Δmax	Wd	Es/Ec	Verifica
4201	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	105111	0	0.00043	18.9	0.0081	15	Si
4187	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	178069	0	0.00039	18.9	0.0074	15	Si
4172	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	167540	0	0.00037	18.9	0.0069	15	Si
4201	Y	50	20	2.83	3.6	5.03	3.8	SLE FR 6	112284	0	0.00046	18.9	0.0087	15	Si
4187	Y	93.3	20	5.28	3.6	9.38	3.8	SLE FR 6	190271	0	0.00042	18.9	0.0079	15	Si

Sc 1 - pianerottolo 2

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (913; 30; 535), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
7501	X	100	20	5.65	4.8	10.05	5.4	SLV 1	-277205	0	-316443	0	1.1415	Si
7516	Y	93.3	20	5.28	3.6	9.38	3.8	SLV 5	419421	0	503832	0	1.2013	Si
7529	X	50	20	2.83	4.8	5.03	5.4	SLV 5	-120531	0	-147428	0	1.2232	Si
7531	X	100	20	5.65	4.8	10.05	5.4	SLV 5	387408	0	500275	0	1.2913	Si
7535	X	50	20	2.83	4.8	5.03	5.4	SLV 9	-113971	0	-147428	0	1.2936	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
7501	X	100	20	5.65	4.8	10.05	5.4	SLD 1	-159508	0	-316443	0	1.9839	Si
7516	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 5	241680	0	503832	0	2.0847	Si
7529	X	50	20	2.83	4.8	5.03	5.4	SLD 5	-66098	0	-147428	0	2.2304	Si
7484	Y	50	20	2.83	3.6	5.03	3.8	SLD 9	111229	0	257163	0	2.312	Si
7531	X	100	20	5.65	4.8	10.05	5.4	SLD 5	214860	0	500275	0	2.3284	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
7484	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	72947	0	-19.6	138.2	15	Si
7517	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	135972	0	-19.5	138.2	15	Si
7532	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	70071	0	-18.8	138.2	15	Si
7518	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	128520	0	-18.5	138.2	15	Si
7484	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	91720	0	-24.6	184.3	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
7484	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	91720	0	218.5	3600	15	Si
7517	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	170814	0	218	3600	15	Si
7532	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	88329	0	210.4	3600	15	Si
7518	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	162109	0	206.9	3600	15	Si
7485	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	86046	0	205	3600	15	Si

Verifiche SLE fessurazione nei nodi

La piastra non presenta nodi con apertura delle fessure.

Sc 1 - pianerottolo 3

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (913; 30; 845), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
10891	X	100	20	5.65	4.8	10.05	5.4	SLV 1	-278571	0	-316443	0	1.1359	Si

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
10919	X	50	20	2.83	4.8	5.03	5.4	SLV 5	-119900	0	-147428	0	1.2296	Si
10906	Y	93.3	20	5.28	3.6	9.38	3.8	SLV 5	402587	0	503832	0	1.2515	Si
10921	X	100	20	5.65	4.8	10.05	5.4	SLV 5	390796	0	500275	0	1.2801	Si
10895	X	100	20	5.65	4.8	10.05	5.4	SLV 5	-243560	0	-316443	0	1.2992	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
10891	X	100	20	5.65	4.8	10.05	5.4	SLD 5	-163749	0	-316443	0	1.9325	Si
10906	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 5	234305	0	503832	0	2.1503	Si
10895	X	100	20	5.65	4.8	10.05	5.4	SLD 5	-145378	0	-316443	0	2.1767	Si
10919	X	50	20	2.83	4.8	5.03	5.4	SLD 5	-66525	0	-147428	0	2.2161	Si
10921	X	100	20	5.65	4.8	10.05	5.4	SLD 5	219292	0	500275	0	2.2813	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
10907	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	140111	0	-20.1	138.2	15	Si
10874	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	72643	0	-19.5	138.2	15	Si
10922	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	72093	0	-19.3	138.2	15	Si
10908	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	132393	0	-19	138.2	15	Si
10907	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	176469	0	-25.4	184.3	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
10907	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	176469	0	225.2	3600	15	Si
10874	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	91688	0	218.4	3600	15	Si
10922	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	91024	0	216.8	3600	15	Si
10875	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	89615	0	213.5	3600	15	Si
10908	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	167252	0	213.4	3600	15	Si

Verifiche SLE fessurazione nei nodi

La piastra non presenta nodi con apertura delle fessure.

Sc 1 - pianerottolo 4

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (913; 30; 1155), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
14308	X	100	20	5.65	4.8	10.05	5.4	SLV 5	-276025	0	-316443	0	1.1464	Si
14336	X	50	20	2.83	4.8	5.03	5.4	SLV 5	-119341	0	-147428	0	1.2353	Si
14323	Y	93.3	20	5.28	3.6	9.38	3.8	SLV 5	406037	0	503832	0	1.2409	Si
14342	X	50	20	2.83	4.8	5.03	5.4	SLV 5	-116176	0	-147428	0	1.269	Si
14312	X	100	20	5.65	4.8	10.05	5.4	SLV 5	-245953	0	-316443	0	1.2866	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
14308	X	100	20	5.65	4.8	10.05	5.4	SLD 5	-168695	0	-316443	0	1.8758	Si
14312	X	100	20	5.65	4.8	10.05	5.4	SLD 5	-152516	0	-316443	0	2.0748	Si
14323	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 5	242629	0	503832	0	2.0766	Si
14336	X	50	20	2.83	4.8	5.03	5.4	SLD 5	-69139	0	-147428	0	2.1323	Si
14342	X	50	20	2.83	4.8	5.03	5.4	SLD 5	-67446	0	-147428	0	2.1859	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
14324	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	146657	0	-21.1	138.2	15	Si
14291	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	75715	0	-20.3	138.2	15	Si
14339	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	74693	0	-20	138.2	15	Si
14323	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	138933	0	-20	138.2	15	Si
14324	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	184795	0	-26.6	184.3	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
14324	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	184795	0	235.8	3600	15	Si
14291	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	95666	0	227.9	3600	15	Si
14339	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	94419	0	224.9	3600	15	Si
14292	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	93578	0	222.9	3600	15	Si
14325	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	173414	0	221.3	3600	15	Si

Verifiche SLE fessurazione nei nodi

La piastra non presenta nodi con apertura delle fessure.

Sc 1 - pianerottolo 5

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (913; 30; 1465), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
17452	X	100	20	5.65	4.8	10.05	5.4	SLV 1	-269930	0	-316443	0	1.1723	Si
17466	X	50	20	2.83	4.8	5.03	5.4	SLV 5	-114928	0	-147428	0	1.2828	Si
17460	Y	93.3	20	5.28	3.6	9.38	3.8	SLV 5	392116	0	503832	0	1.2849	Si
17472	X	50	20	2.83	4.8	5.03	5.4	SLV 9	-113211	0	-147428	0	1.3022	Si
17468	X	100	20	5.65	4.8	10.05	5.4	SLV 5	373363	0	500275	0	1.3399	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
17452	X	100	20	5.65	4.8	10.05	5.4	SLD 5	-169757	0	-316443	0	1.8641	Si
17456	X	100	20	5.65	4.8	10.05	5.4	SLD 5	-152907	0	-316443	0	2.0695	Si
17460	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 5	241003	0	503832	0	2.0906	Si
17466	X	50	20	2.83	4.8	5.03	5.4	SLD 5	-69391	0	-147428	0	2.1246	Si
17472	X	50	20	2.83	4.8	5.03	5.4	SLD 9	-67030	0	-147428	0	2.1994	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
17461	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	153069	0	-22	138.2	15	Si
17444	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	77901	0	-20.9	138.2	15	Si
17461	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	193200	0	-27.8	184.3	15	Si
17460	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	144794	0	-20.8	138.2	15	Si
17445	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	76663	0	-20.6	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
17461	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	193200	0	246.6	3600	15	Si
17444	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	98660	0	235	3600	15	Si
17445	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	97130	0	231.4	3600	15	Si
17460	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	180803	0	230.7	3600	15	Si
17469	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	96586	0	230.1	3600	15	Si

Verifiche SLE fessurazione nei nodi

La piastra non presenta nodi con apertura delle fessure.

Sc 1 - pianerottolo 6

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (913; 30; 1775), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
19807	X	100	20	5.65	4.8	10.05	5.4	SLV 5	-249127	0	-316443	0	1.2702	Si
19827	X	50	20	2.83	4.8	5.03	5.4	SLV 9	-109442	0	-147428	0	1.3471	Si
19811	X	100	20	5.65	4.8	10.05	5.4	SLV 5	-234329	0	-316443	0	1.3504	Si
19819	Y	93.3	20	5.28	3.6	9.38	3.8	SLV 9	370006	0	503832	0	1.3617	Si
19821	X	50	20	2.83	4.8	5.03	5.4	SLV 5	-107808	0	-147428	0	1.3675	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
19807	X	100	20	5.65	4.8	10.05	5.4	SLD 5	-161003	0	-316443	0	1.9655	Si
19811	X	100	20	5.65	4.8	10.05	5.4	SLD 5	-157382	0	-316443	0	2.0107	Si
19819	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 9	236442	0	503832	0	2.1309	Si
19827	X	50	20	2.83	4.8	5.03	5.4	SLD 9	-68181	0	-147428	0	2.1623	Si
19821	X	50	20	2.83	4.8	5.03	5.4	SLD 5	-67537	0	-147428	0	2.1829	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
19818	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	151706	0	-21.8	138.2	15	Si
19816	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	146270	0	-21	138.2	15	Si
19819	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	145970	0	-21	138.2	15	Si
19801	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	77996	0	-20.9	138.2	15	Si
19800	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	77206	0	-20.7	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
19818	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	191150	0	243.9	3600	15	Si
19816	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	185222	0	236.4	3600	15	Si
19801	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	98447	0	234.5	3600	15	Si
19800	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	97858	0	233.1	3600	15	Si
19819	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	182084	0	232.4	3600	15	Si

Verifiche SLE fessurazione nei nodi

La piastra non presenta nodi con apertura delle fessure.

Sc 2 - pianerottolo 1

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (3064; 30; 200), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
4193	Y	93.3	20	5.28	3.6	9.38	3.8	SLV 5	446606	0	503832	0	1.1281	Si
4178	X	100	20	5.65	4.8	10.05	5.4	SLV 1	-279906	0	-316443	0	1.1305	Si
4210	X	100	20	5.65	4.8	10.05	5.4	SLV 7	-277880	0	-316443	0	1.1388	Si
4182	Y	93.3	20	5.28	3.6	9.38	3.8	SLV 15	-240985	0	-299319	0	1.2421	Si
4210	Y	50	20	2.83	3.6	5.03	3.8	SLV 15	-121825	0	-154565	0	1.2687	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
4193	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 5	259013	0	503832	0	1.9452	Si
4178	X	100	20	5.65	4.8	10.05	5.4	SLD 1	-154082	0	-316443	0	2.0537	Si
4210	Y	50	20	2.83	3.6	5.03	3.8	SLD 15	-75067	0	-154565	0	2.059	Si
4208	Y	50	20	2.83	3.6	5.03	3.8	SLD 9	124824	0	257163	0	2.0602	Si
4164	Y	50	20	2.83	3.6	5.03	3.8	SLD 5	124162	0	257163	0	2.0712	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
4208	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	97820	0	-45.9	138.2	15	Si
4208	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 13	125833	0	-59.1	184.3	15	Si
4194	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	164873	0	-41.5	138.2	15	Si
4194	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 13	212260	0	-53.4	184.3	15	Si
4179	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	160306	0	-23	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
4208	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 13	125833	0	1760.2	3600	15	Si
4194	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 13	212260	0	1590.6	3600	15	Si
4179	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	201942	0	257.7	3600	15	Si
4164	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	105129	0	250.4	3600	15	Si
4193	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	175439	0	223.9	3600	15	Si

Verifiche SLE fessurazione nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	εsm	Δmax	Wd	Es/Ec	Verifica
4208	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	97820	0	0.0004	18.9	0.0076	15	Si
4194	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	164873	0	0.00036	18.9	0.0068	15	Si
4208	Y	50	20	2.83	3.6	5.03	3.8	SLE FR 6	104694	0	0.00043	18.9	0.0081	15	Si
4194	Y	93.3	20	5.28	3.6	9.38	3.8	SLE FR 6	176352	0	0.00038	18.9	0.0073	15	Si

Sc 2 - pianerottolo 2

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (3064; 30; 535), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
7508	X	100	20	5.65	4.8	10.05	5.4	SLV 1	-282227	0	-316443	0	1.1212	Si

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
7540	X	100	20	5.65	4.8	10.05	5.4	SLV 15	-276160	0	-316443	0	1.1459	Si
7523	Y	93.3	20	5.28	3.6	9.38	3.8	SLV 5	421489	0	503832	0	1.1954	Si
7536	X	50	20	2.83	4.8	5.03	5.4	SLV 5	-122799	0	-147428	0	1.2006	Si
7538	X	100	20	5.65	4.8	10.05	5.4	SLV 5	401251	0	500275	0	1.2468	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
7508	X	100	20	5.65	4.8	10.05	5.4	SLD 1	-158032	0	-316443	0	2.0024	Si
7523	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 5	231526	0	503832	0	2.1761	Si
7536	X	50	20	2.83	4.8	5.03	5.4	SLD 5	-63660	0	-147428	0	2.3159	Si
7493	Y	50	20	2.83	3.6	5.03	3.8	SLD 9	110000	0	257163	0	2.3378	Si
7538	X	100	20	5.65	4.8	10.05	5.4	SLD 5	211348	0	500275	0	2.3671	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
7524	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	126853	0	-18.2	138.2	15	Si
7493	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	67648	0	-18.1	138.2	15	Si
7539	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	67358	0	-18.1	138.2	15	Si
7525	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	123560	0	-17.8	138.2	15	Si
7494	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	65394	0	-17.5	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
7524	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	161167	0	205.7	3600	15	Si
7493	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	86111	0	205.1	3600	15	Si
7539	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	85715	0	204.2	3600	15	Si
7525	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	157336	0	200.8	3600	15	Si
7494	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	83415	0	198.7	3600	15	Si

Verifiche SLE fessurazione nei nodi

La piastra non presenta nodi con apertura delle fessure.

Sc 2 - pianerottolo 3

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (3064; 30; 845), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
10898	X	100	20	5.65	4.8	10.05	5.4	SLV 5	-290868	0	-316443	0	1.0879	Si
10926	X	50	20	2.83	4.8	5.03	5.4	SLV 5	-125345	0	-147428	0	1.1762	Si
10930	X	100	20	5.65	4.8	10.05	5.4	SLV 5	420588	0	500275	0	1.1895	Si
10913	Y	93.3	20	5.28	3.6	9.38	3.8	SLV 5	421015	0	503832	0	1.1967	Si
10930	X	100	20	5.65	4.8	10.05	5.4	SLV 15	-261386	0	-316443	0	1.2106	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
10898	X	100	20	5.65	4.8	10.05	5.4	SLD 5	-167437	0	-316443	0	1.8899	Si
10913	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 5	239492	0	503832	0	2.1038	Si
10926	X	50	20	2.83	4.8	5.03	5.4	SLD 5	-67987	0	-147428	0	2.1685	Si
10928	X	100	20	5.65	4.8	10.05	5.4	SLD 5	223847	0	500275	0	2.2349	Si
10902	X	100	20	5.65	4.8	10.05	5.4	SLD 9	-140286	0	-316443	0	2.2557	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
10914	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	135172	0	-19.4	138.2	15	Si
10883	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	71289	0	-19.1	138.2	15	Si
10929	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	70322	0	-18.9	138.2	15	Si
10915	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	129193	0	-18.6	138.2	15	Si
10884	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	69062	0	-18.5	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
10914	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	171760	0	219.2	3600	15	Si
10883	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	90782	0	216.3	3600	15	Si
10929	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	89517	0	213.3	3600	15	Si
10915	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	164538	0	210	3600	15	Si
10884	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	88044	0	209.7	3600	15	Si

Verifiche SLE fessurazione nei nodi

La piastra non presenta nodi con apertura delle fessure.

Sc 2 - pianerottolo 4

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (3064; 30; 1155), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
14315	X	100	20	5.65	4.8	10.05	5.4	SLV 5	-274735	0	-316443	0	1.1518	Si
14347	X	100	20	5.65	4.8	10.05	5.4	SLV 5	411024	0	500275	0	1.2171	Si
14343	X	50	20	2.83	4.8	5.03	5.4	SLV 5	-120113	0	-147428	0	1.2274	Si
14330	Y	93.3	20	5.28	3.6	9.38	3.8	SLV 5	399874	0	503832	0	1.26	Si
14345	X	100	20	5.65	4.8	10.05	5.4	SLV 5	390080	0	500275	0	1.2825	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
14315	X	100	20	5.65	4.8	10.05	5.4	SLD 5	-162641	0	-316443	0	1.9457	Si
14330	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 5	232643	0	503832	0	2.1657	Si
14319	X	100	20	5.65	4.8	10.05	5.4	SLD 5	-145811	0	-316443	0	2.1702	Si
14343	X	50	20	2.83	4.8	5.03	5.4	SLD 5	-67590	0	-147428	0	2.1812	Si
14347	X	100	20	5.65	4.8	10.05	5.4	SLD 5	224814	0	500275	0	2.2253	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
14331	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	134070	0	-19.3	138.2	15	Si
14300	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	69618	0	-18.7	138.2	15	Si
14301	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	68800	0	-18.5	138.2	15	Si
14331	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	170366	0	-24.5	184.3	15	Si
14346	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	68306	0	-18.3	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
14331	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	170366	0	217.4	3600	15	Si
14300	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	88760	0	211.4	3600	15	Si
14301	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	87852	0	209.3	3600	15	Si
14346	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	87119	0	207.5	3600	15	Si
14333	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 13	162438	0	207.3	3600	15	Si

Verifiche SLE fessurazione nei nodi

La piastra non presenta nodi con apertura delle fessure.

Solaio P1 - cp1

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (-474; -215; 380), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
7035	X	100	20	21.74	5.3	5.65	4.8	SLV 15	-895900	0	-896524	0	1.0007	Si
6783	Y	100	20	5.65	3.6	5.65	3.6	SLV 15	328212	0	328730	0	1.0016	Si
4587	X	100	20	12.38	5.7	12.38	4.9	SLV 5	-571642	0	-573441	0	1.0031	Si
6986	X	100	20	19.73	5.3	5.65	4.8	SLV 7	-758406	0	-762514	0	1.0054	Si
6914	Y	91.5	20	8.15	3.7	5.17	3.6	SLV 15	288606	0	290419	0	1.0063	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
4633	X	100	20	17.72	5.3	5.65	4.8	SLD 13	-521030	0	-646682	0	1.2412	Si
7295	Y	75.5	20	4.27	3.6	4.27	3.6	SLD 15	-184997	0	-243647	0	1.317	Si
7373	Y	50	20	2.83	3.6	2.83	3.6	SLD 1	-116789	0	-154354	0	1.3217	Si
4503	X	100	20	15.36	5.7	15.36	4.9	SLD 5	-517717	0	-688540	0	1.33	Si
4553	X	100	20	23.13	5.4	11.06	4.9	SLD 15	-643512	0	-872566	0	1.3559	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
4500	X	100	20	23.61	5.8	9.54	4.9	SLE QP 2	-569861	0	-127.2	138.2	15	Si
4553	X	100	20	23.13	5.4	11.06	4.9	SLE QP 2	-574972	0	-121.9	138.2	15	Si
4503	Y	50	20	16.27	3.9	2.83	3.6	SLE QP 2	-370566	0	-120.9	138.2	15	Si
6964	X	80	20	18.6	5.4	4.52	4.8	SLE QP 2	-442653	0	-120.6	138.2	15	Si

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
7014	X	100	20	25.76	5.4	5.65	4.8	SLE QP 2	-566062	0	-119.8	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
4457	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 13	241287	0	2881.9	3600	15	Si
4503	X	100	20	15.36	5.7	15.36	4.9	SLE RA 13	-521745	0	2876.8	3600	15	Si
4456	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 13	238609	0	2849.9	3600	15	Si
7335	Y	65	20	3.68	3.6	3.68	3.6	SLE RA 12	-154786	0	2844.2	3600	15	Si
4455	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 10	235754	0	2815.8	3600	15	Si

Verifiche SLE fessurazione nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	εsm	Δmax	Wd	Es/Ec	Verifica
4503	X	100	20	15.36	5.7	15.36	4.9	SLE QP 2	-450819	0	0.00121	18.4	0.0222	15	Si
4633	X	100	20	17.72	5.3	5.65	4.8	SLE QP 2	-474622	0	0.00107	17.7	0.0189	15	Si
4663	X	100	20	14.04	5.3	5.65	4.8	SLE QP 2	-349936	0	0.00098	18.3	0.0179	15	Si
6344	X	100	20	5.65	4.8	6.79	4.8	SLE QP 2	192164	0	0.0006	29.7	0.0179	15	Si
4500	X	100	20	23.61	5.8	9.54	4.9	SLE QP 2	-569861	0	0.00102	17.1	0.0175	15	Si

Solaio P2 - cp1

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (-474; -215; 690), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
9830	X	100	20	11.69	5.3	5.65	4.8	SLV 11	-454186	0	-462253	0	1.0178	Si
7849	X	100	20	5.65	5.2	5.65	4.8	SLU 50	-359512	0	-366565	0	1.0196	Si
7854	Y	50	20	12.88	3.8	2.83	3.6	SLV 3	-584592	0	-597795	0	1.0226	Si
7790	Y	100	20	5.65	3.6	5.65	3.6	SLU 50	361344	0	372764	0	1.0316	Si
7915	X	100	20	17.72	5.3	5.65	4.8	SLU 51	-790479	0	-819201	0	1.0363	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
7959	X	100	20	15.44	5.3	5.65	4.8	SLD 1	-442229	0	-525569	0	1.1885	Si
8031	X	100	20	9.68	5.3	5.65	4.8	SLD 5	-316916	0	-399475	0	1.2605	Si
7915	X	100	20	17.72	5.3	5.65	4.8	SLD 13	-490400	0	-622575	0	1.2695	Si
8010	X	100	20	9.68	5.3	5.65	4.8	SLD 5	-327760	0	-420445	0	1.2828	Si
10680	Y	75.8	20	4.29	3.6	4.29	3.6	SLD 1	-190467	0	-245316	0	1.288	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
7854	Y	50	20	12.88	3.8	2.83	3.6	SLE QP 2	-362862	0	-124.4	138.2	15	Si
7828	X	100	20	24.64	5.4	12.58	4.9	SLE QP 2	-595033	0	-122.7	138.2	15	Si
7821	X	100	20	20.77	5.7	15.36	4.9	SLE QP 2	-514378	0	-116.6	138.2	15	Si
7852	Y	50	20	12.88	3.8	2.83	3.6	SLE QP 2	-336491	0	-115.4	138.2	15	Si
8933	X	100	20	25.76	5.4	5.65	4.8	SLE QP 2	-541726	0	-114.7	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
7849	X	100	20	5.65	5.2	5.65	4.8	SLE RA 11	-248613	0	3252.4	3600	15	Si
7790	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 11	251038	0	2998.3	3600	15	Si
7934	X	100	20	5.65	5.2	5.65	4.8	SLE RA 11	-224558	0	2937.7	3600	15	Si
7791	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 11	245768	0	2935.4	3600	15	Si
7844	X	100	20	5.65	5.2	5.65	4.8	SLE RA 10	-222791	0	2914.6	3600	15	Si

Verifiche SLE fessurazione nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	εsm	Δmax	Wd	Es/Ec	Verifica
7849	X	100	20	5.65	5.2	5.65	4.8	SLE QP 2	-207231	0	0.00079	33.1	0.0262	15	Si
7934	X	100	20	5.65	5.2	5.65	4.8	SLE QP 2	-185608	0	0.00071	33.1	0.0234	15	Si
8148	X	100	20	5.65	5.2	5.65	4.8	SLE QP 2	-181224	0	0.00069	33.1	0.0229	15	Si
7844	X	100	20	5.65	5.2	5.65	4.8	SLE QP 2	-180938	0	0.00069	33.1	0.0228	15	Si
8010	X	100	20	9.68	5.3	5.65	4.8	SLE QP 2	-279742	0	0.0011	19.2	0.0211	15	Si

Solaio P3 - cp1

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (-474; -215; 1000), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
11215	X	100	20	21.6	5.7	9.54	4.9	SLU 50	-964803	0	-968915	0	1.0043	Si
11196	Y	100	20	5.65	3.6	5.65	3.6	SLU 50	370228	0	372764	0	1.0068	Si
11197	Y	100	20	5.65	3.6	5.65	3.6	SLU 50	367113	0	372764	0	1.0154	Si
13099	Y	100	20	17.49	3.7	5.65	3.6	SLV 15	-675156	0	-701232	0	1.0386	Si
11356	X	100	20	15.44	5.3	5.65	4.8	SLV 5	-503102	0	-525569	0	1.0447	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
11356	X	100	20	15.44	5.3	5.65	4.8	SLD 1	-445970	0	-525569	0	1.1785	Si
14095	Y	75.8	20	4.29	3.6	4.29	3.6	SLD 1	-191619	0	-245188	0	1.2796	Si
14098	Y	75.5	20	4.27	3.6	4.27	3.6	SLD 15	-184117	0	-243647	0	1.3233	Si
14179	Y	50	20	2.83	3.6	2.83	3.6	SLD 1	-114397	0	-154354	0	1.3493	Si
11343	X	100	20	15.71	5.3	5.65	4.8	SLD 15	-400672	0	-553890	0	1.3824	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
11215	X	100	20	21.6	5.7	9.54	4.9	SLE QP 2	-555696	0	-127.5	138.2	15	Si
11383	Y	83.4	20	18.79	3.7	4.72	3.6	SLE QP 2	-552028	0	-117.9	138.2	15	Si
11215	X	100	20	21.6	5.7	9.54	4.9	SLE RA 11	-672176	0	-154.2	184.3	15	Si
11250	Y	50	20	12.88	3.8	2.83	3.6	SLE QP 2	-333660	0	-114.4	138.2	15	Si
12335	X	100	20	25.76	5.4	5.65	4.8	SLE QP 2	-533618	0	-112.9	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
11196	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 11	257218	0	3072.2	3600	15	Si
11197	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 11	254323	0	3037.6	3600	15	Si
11549	X	100	20	5.65	5.2	5.65	4.8	SLE RA 12	-226751	0	2966.4	3600	15	Si
14095	Y	75.8	20	4.29	3.6	4.29	3.6	SLE RA 11	-186637	0	2940.1	3600	15	Si
11172	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 13	244235	0	2917.1	3600	15	Si

Verifiche SLE fessurazione nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	εsm	Δmax	Wd	Es/Ec	Verifica
11257	X	100	20	17.72	5.3	5.65	4.8	SLE QP 2	189522	0	0.00068	35.5	0.024	15	Si
11549	X	100	20	5.65	5.2	5.65	4.8	SLE QP 2	-185211	0	0.00071	33.1	0.0234	15	Si
11259	X	100	20	9.46	5.3	7.45	4.8	SLE QP 2	238514	0	0.00068	29.2	0.02	15	Si
11250	X	100	20	12.58	5.3	12.58	4.9	SLE QP 2	-342042	0	0.00106	18.7	0.0199	15	Si
11257	X	100	20	17.72	5.3	5.65	4.8	SLE FR 6	199131	0	0.00071	35.5	0.0252	15	Si

Solaio P4 - cp 1

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (-474; -215; 1310), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
14560	X	100	20	21.6	5.7	9.54	4.9	SLU 50	-961182	0	-964346	0	1.0033	Si
16763	Y	100	20	5.65	3.6	5.65	3.6	SLV 1	-327390	0	-328730	0	1.0041	Si
15676	X	100	20	17.72	5.3	5.65	4.8	SLV 11	296982	0	306050	0	1.0305	Si
15657	X	100	20	17.78	5.3	5.65	4.8	SLU 52	-815448	0	-842229	0	1.0328	Si
14632	X	100	20	12.81	5.7	12.81	4.9	SLU 50	-630808	0	-653102	0	1.0353	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
17006	Y	100	20	21.74	3.7	5.65	3.6	SLD 15	-816002	0	-999609	0	1.225	Si
14875	Y	100	20	9.68	3.7	5.65	3.6	SLD 5	-346174	0	-457896	0	1.3227	Si
16870	X	100	20	21.46	5.7	5.65	4.8	SLD 7	-657848	0	-874852	0	1.3299	Si
15732	Y	100	20	21.74	3.7	5.65	3.6	SLD 13	-758972	0	-1018074	0	1.3414	Si
16897	Y	100	20	25.76	3.8	5.65	3.6	SLD 15	-928892	0	-1248135	0	1.3437	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
16870	X	100	20	21.46	5.7	5.65	4.8	SLE QP 2	-563318	0	-132	138.2	15	Si
16897	Y	100	20	25.76	3.8	5.65	3.6	SLE QP 2	-750514	0	-128.7	138.2	15	Si
14560	X	100	20	21.6	5.7	9.54	4.9	SLE QP 2	-553645	0	-127	138.2	15	Si
15618	X	100	20	23.75	5.4	5.65	4.8	SLE QP 2	-548131	0	-118.7	138.2	15	Si
17006	Y	100	20	21.74	3.7	5.65	3.6	SLE QP 2	-654555	0	-117.8	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
16492	X	100	20	5.65	4.8	5.65	5.2	SLE RA 13	241499	0	3159.3	3600	15	Si
16490	X	100	20	5.65	4.8	5.65	5.2	SLE RA 13	238972	0	3126.2	3600	15	Si
16672	X	100	20	5.65	5.2	5.65	5.2	SLE RA 13	238852	0	3096.4	3600	15	Si

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
16403	X	100	20	5.65	4.8	5.65	5.2	SLE RA 13	232629	0	3043.3	3600	15	Si
16592	X	100	20	5.65	4.8	5.65	5.2	SLE RA 13	228545	0	2989.8	3600	15	Si

Verifiche SLE fessurazione nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	εsm	Δmax	Wd	Es/Ec	Verifica
16672	X	100	20	5.65	5.2	5.65	5.2	SLE QP 2	195766	0	0.00074	34.4	0.0255	15	Si
16492	X	100	20	5.65	4.8	5.65	5.2	SLE QP 2	196669	0	0.00075	33.1	0.0248	15	Si
16490	X	100	20	5.65	4.8	5.65	5.2	SLE QP 2	194971	0	0.00074	33.1	0.0246	15	Si
16592	X	100	20	5.65	4.8	5.65	5.2	SLE QP 2	188249	0	0.00072	33.1	0.0238	15	Si
16597	X	100	20	5.65	4.8	5.65	5.2	SLE QP 2	188088	0	0.00072	33.1	0.0238	15	Si

Solaio P5 - cp1

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (-474; -215; 1620), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
18535	Y	100	20	21.74	3.7	5.65	3.6	SLU 51	-1133716	0	-1152137	0	1.0162	Si
17691	X	100	20	21.6	5.7	9.54	4.9	SLU 49	-943464	0	-959021	0	1.0165	Si
18456	X	100	20	19.73	5.3	5.65	4.8	SLV 5	-716049	0	-734423	0	1.0257	Si
18458	X	100	20	15.04	5.3	5.65	4.8	SLV 13	-522585	0	-539582	0	1.0325	Si
17728	X	100	20	12.81	5.7	12.81	4.9	SLU 50	-631353	0	-653102	0	1.0344	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
18535	Y	100	20	21.74	3.7	5.65	3.6	SLD 13	-801469	0	-1018074	0	1.2703	Si
17748	X	100	20	13.7	5.3	5.65	4.8	SLD 1	-386208	0	-503130	0	1.3027	Si
19434	X	100	20	21.46	5.7	5.65	4.8	SLD 7	-641596	0	-874852	0	1.3636	Si
18456	X	100	20	19.73	5.3	5.65	4.8	SLD 5	-532095	0	-734423	0	1.3802	Si
19226	X	100	20	5.65	4.8	7.92	4.8	SLD 1	276822	0	387718	0	1.4006	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
19434	X	100	20	21.46	5.7	5.65	4.8	SLE QP 2	-556544	0	-130.4	138.2	15	Si
17691	X	100	20	21.6	5.7	9.54	4.9	SLE QP 2	-543787	0	-124.8	138.2	15	Si
18535	Y	100	20	21.74	3.7	5.65	3.6	SLE QP 2	-690620	0	-124.3	138.2	15	Si
19410	Y	100	20	31.42	3.9	5.65	3.6	SLE QP 2	-704894	0	-115.8	138.2	15	Si
17691	X	100	20	21.6	5.7	9.54	4.9	SLE RA 10	-656978	0	-150.7	184.3	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
17664	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 13	247719	0	2958.7	3600	15	Si
19128	X	100	20	5.65	4.8	5.65	4.8	SLE RA 13	231895	0	2955.4	3600	15	Si
17663	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 13	242558	0	2897.1	3600	15	Si
17728	X	100	20	12.81	5.7	12.81	4.9	SLE RA 11	-441502	0	2859.7	3600	15	Si
17662	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 10	237696	0	2839	3600	15	Si

Verifiche SLE fessurazione nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	εsm	Δmax	Wd	Es/Ec	Verifica
19128	X	100	20	5.65	4.8	5.65	4.8	SLE QP 2	200058	0	0.00074	33.1	0.0246	15	Si
18459	X	100	20	5.65	5.2	5.65	4.8	SLE QP 2	-172196	0	0.00066	33.1	0.0217	15	Si
17728	X	100	20	12.81	5.7	12.81	4.9	SLE QP 2	-364390	0	0.00115	18.8	0.0215	15	Si
17748	X	100	20	13.7	5.3	5.65	4.8	SLE QP 2	-374596	0	0.00107	18.4	0.0196	15	Si
17705	X	77.5	20	12.97	5.3	10.88	4.9	SLE QP 2	-346864	0	0.00107	18	0.0193	15	Si

Solaio P6 - Cp1

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (-541.4; 0; 1930), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti

resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
20392	X	100	20	18.24	5.3	13.7	5.3	SLU 52	-855741	0	-862344	0	1.0077	Si
20478	Y	100	20	21.74	3.7	5.65	3.6	SLU 51	-1124840	0	-1138516	0	1.0122	Si
21194	Y	100	20	5.65	3.6	5.65	3.6	SLU 51	367602	0	372764	0	1.014	Si
21191	Y	100	20	5.65	3.6	5.65	3.6	SLU 52	365738	0	372764	0	1.0192	Si
20735	X	100	20	5.65	4.8	5.65	5.2	SLU 51	359466	0	366565	0	1.0197	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
20392	X	100	20	18.24	5.3	13.7	5.3	SLD 3	-568691	0	-710601	0	1.2495	Si
20874	X	100	20	5.65	4.8	9.32	5.3	SLD 15	300921	0	385082	0	1.2797	Si
20478	Y	100	20	21.74	3.7	5.65	3.6	SLD 15	-721953	0	-969555	0	1.343	Si
21088	X	100	20	19.73	5.7	5.65	4.8	SLD 15	-517579	0	-706559	0	1.3651	Si
20360	Y	100	20	9.3	3.7	9.3	3.7	SLD 15	-339541	0	-466426	0	1.3737	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
21034	Y	100	20	25.76	3.8	5.65	3.6	SLE QP 2	-671666	0	-115.2	138.2	15	Si
20478	Y	100	20	21.74	3.7	5.65	3.6	SLE QP 2	-619359	0	-111.5	138.2	15	Si
20392	X	100	20	18.24	5.3	13.7	5.3	SLE QP 2	-471105	0	-108.9	138.2	15	Si
21034	Y	100	20	25.76	3.8	5.65	3.6	SLE RA 13	-843577	0	-144.7	184.3	15	Si
20478	Y	100	20	21.74	3.7	5.65	3.6	SLE RA 12	-796193	0	-143.3	184.3	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
20735	X	100	20	5.65	4.8	5.65	5.2	SLE RA 12	254951	0	3335.3	3600	15	Si
20737	X	100	20	5.65	4.8	5.65	5.2	SLE RA 12	252298	0	3300.6	3600	15	Si
20791	X	100	20	5.65	4.8	5.65	5.2	SLE RA 12	251074	0	3284.6	3600	15	Si
20732	X	100	20	5.65	4.8	5.65	5.2	SLE RA 12	250500	0	3277.1	3600	15	Si
20753	X	100	20	5.65	4.8	5.65	5.2	SLE RA 12	240235	0	3142.8	3600	15	Si

Verifiche SLE fessurazione nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	εsm	Δmax	Wd	Es/Ec	Verifica
20735	X	100	20	5.65	4.8	5.65	5.2	SLE QP 2	199115	0	0.00076	33.1	0.0251	15	Si
20737	X	100	20	5.65	4.8	5.65	5.2	SLE QP 2	197700	0	0.00075	33.1	0.025	15	Si
20791	X	100	20	5.65	4.8	5.65	5.2	SLE QP 2	197320	0	0.00075	33.1	0.0249	15	Si
20732	X	100	20	5.65	4.8	5.65	5.2	SLE QP 2	195356	0	0.00074	33.1	0.0247	15	Si
20753	X	100	20	5.65	4.8	5.65	5.2	SLE QP 2	189320	0	0.00072	33.1	0.0239	15	Si

Solaio P7 - Cp1

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (232; 270; 2240), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
21655	Y	100	20	11.69	3.7	5.65	3.6	SLV 1	-606979	0	-635917	0	1.0477	Si
21545	X	50	20	8.49	5.3	2.83	4.8	SLV 11	146160	0	154034	0	1.0539	Si
21880	X	50	20	8.41	5.3	2.83	4.8	SLV 13	140388	0	153815	0	1.0956	Si
21887	Y	95	20	10.96	3.7	10.96	3.7	SLV 15	-457359	0	-519051	0	1.1349	Si
21659	X	97.4	20	14.93	5.3	5.51	4.8	SLV 5	-494537	0	-570459	0	1.1535	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
21655	Y	100	20	11.69	3.7	5.65	3.6	SLD 1	-465517	0	-635917	0	1.366	Si
21655	X	100	20	16.21	5.3	5.65	4.8	SLD 9	-503088	0	-752692	0	1.4961	Si
21653	Y	100	20	11.22	3.7	11.22	3.7	SLD 1	-407002	0	-611645	0	1.5028	Si
21659	X	97.4	20	14.93	5.3	5.51	4.8	SLD 5	-378964	0	-570459	0	1.5053	Si
21887	Y	95	20	10.96	3.7	10.96	3.7	SLD 15	-344342	0	-519051	0	1.5074	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
21655	X	100	20	16.21	5.3	5.65	4.8	SLE QP 2	-384522	0	-93	138.2	15	Si
21655	X	100	20	16.21	5.3	5.65	4.8	SLE RA 12	-487546	0	-117.9	184.3	15	Si
21655	Y	100	20	11.69	3.7	5.65	3.6	SLE QP 2	-357584	0	-78.6	138.2	15	Si
21655	Y	100	20	11.69	3.7	5.65	3.6	SLE RA 12	-452696	0	-99.5	184.3	15	Si
21659	X	97.4	20	14.93	5.3	5.51	4.8	SLE QP 2	-283083	0	-71.6	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
21655	Y	100	20	11.69	3.7	5.65	3.6	SLE RA 12	-452696	0	2752.9	3600	15	Si
21655	X	100	20	16.21	5.3	5.65	4.8	SLE RA 12	-487546	0	2429.4	3600	15	Si
21653	Y	100	20	11.22	3.7	11.22	3.7	SLE RA 12	-381822	0	2426.7	3600	15	Si
21687	Y	100	20	9.68	3.7	5.65	3.6	SLE RA 9	-299258	0	2170.3	3600	15	Si
21696	Y	100	20	9.09	3.7	9.09	3.7	SLE RA 13	-278434	0	2148.9	3600	15	Si

Verifiche SLE fessurazione nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	εsm	Δmax	Wd	Es/Ec	Verifica

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	εsm	Δmax	Wd	Es/Ec	Verifica
21655	X	100	20	16.21	5.3	5.65	4.8	SLE QP 2	-384522	0	0.00093	17.9	0.0166	15	Si
21643	X	100	20	10.81	5.3	5.65	4.8	SLE QP 2	-222803	0	0.00078	19	0.0149	15	Si
21908	X	50	20	6.35	5.3	6.35	4.9	SLE QP 2	-125067	0	0.00077	18.7	0.0144	15	Si
21655	Y	100	20	11.69	3.7	5.65	3.6	SLE QP 2	-357584	0	0.00074	18.5	0.0137	15	Si
21659	X	97.4	20	14.93	5.3	5.51	4.8	SLE QP 2	-283083	0	0.00074	18.1	0.0134	15	Si

8.5 Verifiche superelementi aste acciaio laminate

Le unità di misura elencate nel capitolo sono in [cm, daN, deg] ove non espressamente specificato.

***Sezione**: sezione in acciaio.*
***Rotazione**: rotazione della sezione. [deg]*
***Area**: area inerziale nel sistema geometrico centrato nel baricentro. [cm²]*
***Jx**: momento d'inerzia attorno all'asse orizzontale baricentrico di definizione della sezione. [cm4]*
***Jy**: momento d'inerzia attorno all'asse verticale baricentrico di definizione della sezione. [cm4]*
***ix**: raggio di inerzia relativo all'asse x. [cm]*
***iy**: raggio di inerzia relativo all'asse y. [cm]*
***Wx**: modulo di resistenza elastico minimo relativo all'asse x. [cm³]*
***Wy**: modulo di resistenza elastico minimo relativo all'asse y. [cm³]*
***Wplx**: modulo di resistenza plastico relativo all'asse x. [cm³]*
***Wply**: modulo di resistenza plastico relativo all'asse y. [cm³]*
***X**: distanza dal nodo iniziale. [cm]*
***Comb.**: combinazione di verifica.*
***Sfruttamento**: rapporto di sfruttamento per la verifica in esame, inverso del coefficiente di sicurezza. Verificato se minore o uguale di 1.*
***Classe**: classe della sezione.*
***NEd**: sollecitazione assiale. [daN]*
***Nc,Rd**: resistenza assiale a compressione ridotta per taglio. [daN]*
***Nt,Rd**: resistenza assiale a trazione ridotta per taglio. [daN]*
***Riduzione da taglio**: rapporto tra la resistenza assiale ridotta per taglio e la resistenza assiale.*
***ρx**: coefficiente di riduzione della resistenza di snervamento per taglio in direzione x.*
***ρy**: coefficiente di riduzione della resistenza di snervamento per taglio in direzione y.*
***Verifica**: stato di verifica.*
***VEd**: sollecitazione di taglio. [daN]*
***Vc,Rd**: resistenza a taglio. [daN]*
***Av**: area resistenza a taglio. [cm²]*
***Interazione taglio-torsione**: indica se è possibile ridurre il taglio resistente per presenza di torsione.*
***Riduzione torsione**: coefficiente riduttivo della resistenza a taglio per presenza di torsione.*
***Sfruttamento torsione**: rapporto tra TEd e TRd.*
***TEd**: sollecitazione torcente. [daN*cm]*
***TRd**: resistenza a torsione. [daN*cm]*
***Riduzione taglio resistente**: indica se è possibile ridurre il taglio resistente per presenza di torsione.*
***Sfruttamento taglio-torsione**: τEd,totale / (0.5 * τRd). Non verificato se maggiore di 1.*
***τEd,totale**: somma delle tensioni tangenziali totale derivanti da taglio e torsione. [daN/cm²]*
***τRd**: tensione tangenziale resistente. [daN/cm²]*
***Mx,Ed**: sollecitazione flettente attorno x-x. [daN*cm]*
***Mx,Rd**: resistenza a flessione attorno x-x ridotta per taglio. [daN*cm]*
***Rid. Mx,Rd da VEd**: rapporto tra la resistenza flettente ridotta per taglio e la resistenza flettente attorno x-x.*
***My,Ed**: sollecitazione flettente attorno y-y. [daN*cm]*
***My,Rd**: resistenza a flessione attorno y-y ridotta per taglio. [daN*cm]*
***Rid. My,Rd da VEd**: rapporto tra la resistenza flettente ridotta per taglio e la resistenza flettente attorno y-y.*
***α**: esponente α per flessione deviata.*
***β**: esponente β per flessione deviata.*
***NRd**: resistenza assiale ridotta per taglio. [daN]*
***Rid. NRd da VEd**: rapporto tra la resistenza assiale ridotta per taglio e la resistenza assiale.*
***Mx,Rd**: resistenza a flessione attorno x-x ridotta. [daN*cm]*
***Rid. Mx,Rd da NEd**: rapporto tra la resistenza flettente ridotta per sforzo normale e taglio e la resistenza flettente ridotta per taglio attorno x-x.*
***My,Rd**: resistenza a flessione attorno y-y ridotta. [daN*cm]*
***Rid. My,Rd da NEd**: rapporto tra la resistenza flettente ridotta per sforzo normale e taglio e la resistenza flettente ridotta per taglio attorno y-y.*
***Numero rit.**: numero del ritegno.*
***Presente**: indica se il ritegno è presente o meno.*
***Ascissa**: ascissa del ritegno rispetto al nodo iniziale del superelemento o ascissa iniziale e finale della campata. [cm]*
***Campata**: campata tra i ritegni.*
***βx/m**: coefficiente di lunghezza efficace per rotazione attorno a x/m.*
***Vincolo a entrambi estremi**: indica se il tratto è vincolato a entrambi gli estremi.*
***λx/m**: snellezza attorno a x/m del tratto tra i due ritegni.*
***λVer**: snellezza accettabile.*
***βy/n**: coefficiente di lunghezza efficace per rotazione attorno a y/n.*
***k,LT**: coefficiente di lunghezza efficace per rotazione nel calcolo del momento critico ENV1993-1-1 F 1.2(3).*
***kw,LT**: coefficiente di lunghezza efficace per ingobbamento nel calcolo del momento critico ENV1993-1-1 F 1.2(4).*
***λy/n**: snellezza attorno a y/n del tratto tra i due ritegni.*
***Obblig.**: indica se la verifica è obbligatoria da norma.*
***Mx,Eff,Ed**: momento interno efficace di verifica attorno x-x secondo ENV1993-1-1 §5.5.3. [daN*cm]*
***Mb,Rd,x**: momento resistente di progetto per l'instabilità per sollecitazione flettente attorno l'asse x-x. [daN*cm]*
***χ,LT**: coefficiente di riduzione per instabilità flesso-torsionale.*
***λ adim. LT**: snellezza adimensionale per instabilità flesso-torsionale.*
***L,LT**: distanza tra due ritegni torsionali. [cm]*
***M,critico**: momento critico. [daN*cm]*
***kLT**: valore di kLT.*
***ky**: valore di ky.*
***Wx**: modulo resistente della sezione per inflessione attorno all'asse x-x. [cm³]*
***Wy**: modulo resistente della sezione per inflessione attorno all'asse y-y. [cm³]*
***NRk**: resistenza caratteristica assiale. [daN]*
***Mx,Ed max**: momento sollecitante massimo attorno l'asse x-x tra due ritegni all'inflessione attorno x-x. [daN*cm]*
***Mx,Rk**: resistenza caratteristica a flessione attorno l'asse x-x. [daN*cm]*
***My,Ed max**: momento sollecitante massimo attorno l'asse y-y tra due ritegni all'inflessione attorno y-y. [daN*cm]*

***My,Rk**: resistenza caratteristica a flessione attorno l'asse y-y. [daN*cm]*
***χ,x**: coefficiente di riduzione per inflessione attorno l'asse x-x.*
***χ,y**: coefficiente di riduzione per inflessione attorno l'asse y-y.*
***kxx**: valore di kxx.*
***kxy**: valore di kxy.*
***kyx**: valore di kyx.*
***kyy**: valore di kyy.*
***η**: valore di η.*
***hw**: altezza dell'anima. [cm]*
***tw**: spessore dell'anima. [cm]*
***hw/tw max**: rapporto tra hw e tw massimo.*
***Ascissa freccia**: ascissa della massima freccia. [cm]*
***Combinazione**: combinazione di verifica in cui è ricavata la freccia.*
***Freccia**: massima freccia. [cm]*
***Luce**: luce di verifica. [cm]*
***L/f**: rapporto luce su freccia.*
***L/f,min**: minimo rapporto luce su freccia consentito.*
***Tipo**: freccia calcolata considerando le sole condizioni variabili o tutte le condizioni (totale) all'interno della combinazione di verifica.*

Superelemento in acciaio a "Piano 5" (3064; 300)-(3387; 300)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 323
Nodo iniziale: 18136 Nodo finale: 18137
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
312.2	SLV 2	0.012		702.2		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
0	SLD 1	0.005		298.5		57288	1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLV 9	0.001	30.3	27105.4	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLU 48	0.057	-732.6	12943.3	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLD 1	0.017	218.2	12943.3	10.02	Considerata	1	Si

Verifica a flessione semplice X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
161.5	SLU 47	0.27	1	-59157.3	219349.2	1	0	0	Si

Verifica a flessione semplice Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	My,Ed	My,Rd	Rid. My,Rd da VEd	ρx	ρy	Verifica
323	SLU 47	0.013	1	1397	110691.5	1	0	0	Si

Verifica a flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
172.3	SLU 47	0.269	1	-58894	219349	102	110692	1	1			0	0	Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLU 48	0.27	1	36.6	57288	1	-59157	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLD 1	0.086	1	298.5	57288	1	-17618	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
323	SLV 10	0.048	1	202.2	57288	1	4904	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
323	SLD 9	0.025	1	104.8	57288	1	2542	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLU 48	0.27	1	36.6	57288	1	-58894	219349	94	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
183	SLD 5	0.086	1	238.7	57288	1	-17305	219349	280	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	81.3	Si, (<200)
2	Si	323					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	129.4	Si, (<200)
2	Si	323							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLU 48	0.32	1	Si	36.6	-59157.3	-59073.1	184819.7	0.843	0.753	323	406477.5	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLD 9	0.094	1	Si	104.8	-17617.7	-17376.3	184819.7	0.843	0.753	323	406477.5	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLU 48	0.319	1	36.6	-58894.4	-58810.2	94.4	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
183	SLD 10	0.095	1	104.8	-17304.5	-17063.1	343.7	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
21.5	SLU 47	0.325	1	0	60152.4	59157.3	230316.7	1397	116226.1	0.683	0.357	0.95	0.24	1	0.4	0.843	Si

Verifica di stabilità per pressoflessione SLD §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
323	SLD 16	0.111	1	-230.4	60152.4	17617.7	230316.7	1199.8	116226.1	0.683	0.357	0.954	0.244	0.998	0.406	0.843	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
258.4	SLE RA 1	-0.004	323	10000	250	Totale	Si
64.6	SLE RA 2	0.004	323	10000	250	Totale	Si
64.6	SLE RA 3	0.004	323	10000	250	Totale	Si
258.4	SLE RA 4	-0.004	323	10000	250	Totale	Si
258.4	SLE RA 5	-0.004	323	10000	250	Totale	Si
236.9	SLE RA 2	0	323	10000	350	Variabile	Si
193.8	SLE RA 3	0	323	10000	350	Variabile	Si
258.4	SLE RA 4	0	323	10000	350	Variabile	Si
86.1	SLE RA 5	0	323	10000	350	Variabile	Si
75.4	SLE RA 6	0.001	323	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
161.5	SLE RA 9	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 8	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 5	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 4	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 13	-0.416	323	776.2	250	Totale	Si
161.5	SLE RA 9	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 8	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 5	-0.255	323	1268.2	350	Variabile	Si

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
161.5	SLE RA 4	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 13	-0.212	323	1521.9	350	Variabile	Si

Superelemento in acciaio a "Piano 5" (3064; 400)-(3387; 400)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 323
Nodo iniziale: 18327 Nodo finale: 18328
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
140	SLV 2	0.017		981		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
0	SLD 1	0.008		483.3		57288	1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLV 9	0.001	30.5	27105.4	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLU 48	0.057	732.6	12943.3	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLD 1	0.017	218.2	12943.3	10.02	Considerata	1	Si

Verifica a torsione §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
0	SLV 15	0.001	-7.9	8528.6	Considerata				Si

Verifica a flessione semplice X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
161.5	SLV 7	0.08	1	-17617.7	219349.2	1	0	0	Si

Verifica a flessione semplice Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	My,Ed	My,Rd	Rid. My,Rd da VEd	ρx	ρy	Verifica
0	SLV 7	0.03	1	3306.5	110691.5	1	0	0	Si

Verifica a flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
129.2	SLV 8	0.083	1	-16913	219349	675	110692	1	1			0	0	Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLU 48	0.274	1	248.1	57288	1	-59157	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLD 1	0.089	1	483.3	57288	1	-17618	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLV 9	0.05	1	303	57288	1	-4934	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
323	SLD 9	0.027	1	214.1	57288	1	2556	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLU 48	0.274	1	248.1	57288	1	-58894	219349	107	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLD 2	0.089	1	483.3	57288	1	-17539	219349	41	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	81.3	Si, (<200)
2	Si	323					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	129.4	Si, (<200)
2	Si	323							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLU 47	0.317	1	Si	212.7	-59157.3	-58667.6	184819.7	0.843	0.753	323	406477.5	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLD 7	0.094	1	Si	86.1	-17617.7	-17419.5	184819.7	0.843	0.753	323	406477.5	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLU 47	0.317	1	212.7	-58894.4	-58404.7	106.9	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
150.7	SLD 7	0.094	1	86.1	-17539.4	-17341.1	72.5	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
323	SLV 16	0.134	1	-680.8	60152.4	17617.7	230316.7	1632.9	116226.1	0.683	0.357	0.961	0.251	0.995	0.419	0.843	Si

Verifica di stabilità per pressoflessione SLD §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
323	SLD 16	0.109	1	-183	60152.4	17617.7	230316.7	1198.6	116226.1	0.683	0.357	0.953	0.243	0.999	0.405	0.843	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
258.4	SLE RA 1	-0.004	323	10000	250	Totale	Si
247.6	SLE RA 2	-0.004	323	10000	250	Totale	Si
247.6	SLE RA 3	-0.004	323	10000	250	Totale	Si
258.4	SLE RA 4	-0.004	323	10000	250	Totale	Si
247.6	SLE RA 5	-0.004	323	10000	250	Totale	Si
75.4	SLE RA 2	0	323	10000	350	Variabile	Si
96.9	SLE RA 3	0	323	10000	350	Variabile	Si
258.4	SLE RA 4	0	323	10000	350	Variabile	Si
247.6	SLE RA 5	0	323	10000	350	Variabile	Si
247.6	SLE RA 6	-0.001	323	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
161.5	SLE RA 8	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 9	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 4	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 5	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 12	-0.416	323	776.2	250	Totale	Si
161.5	SLE RA 8	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 9	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 4	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 5	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 13	-0.212	323	1521.9	350	Variabile	Si

Superelemento in acciaio a "Piano 5" (3064; 500)-(3387; 500)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 323
Nodo iniziale: 18583 Nodo finale: 18584
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
312.2	SLV 2	0.022		1239		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
0	SLD 1	0.011		650.1		57288	1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLV 9	0.001	30.7	27105.4	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLU 48	0.057	732.6	12943.3	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLD 16	0.017	-218.2	12938.9	10.02	Considerata	1	Si

Verifica a torsione §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
323	SLV 16	0.001	-12.6	8528.6	Considerata				Si

Verifica a torsione SLD §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
0	SLD 15	0.001	-7.2	8528.6	Considerata				Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLU 48	0.277	1	443.7	57288	1	-59157	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLD 1	0.092	1	650.1	57288	1	-17618	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLV 9	0.052	1	401	57288	1	-4961	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLD 9	0.029	1	308.1	57288	1	-2562	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLU 48	0.277	1	443.7	57288	1	-58894	219349	98	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLD 2	0.092	1	650.1	57288	1	-17539	219349	35	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	81.3	Si, (<200)
2	Si	323					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	129.4	Si, (<200)
2	Si	323							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLU 47	0.315	1	Si	374.8	-59157.3	-58294.2	184819.7	0.843	0.753	323	406477.5	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLD 7	0.093	1	Si	181.4	-17617.7	-17200.1	184819.7	0.843	0.753	323	406477.5	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLU 47	0.315	1	374.8	-58894.4	-58031.3	97.7	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
150.7	SLD 8	0.093	1	181.4	-17539.4	-17121.8	67.7	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
323	SLV 16	0.138	1	-749.5	60152.4	17617.7	230316.7	1645.7	116226.1	0.683	0.357	0.962	0.252	0.995	0.42	0.843	Si

Verifica di stabilità per pressoflessione SLD §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
323	SLD 16	0.107	1	-160.6	60152.4	17617.7	230316.7	1200.6	116226.1	0.683	0.357	0.953	0.243	0.999	0.404	0.843	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
258.4	SLE RA 1	-0.004	323	10000	250	Totale	Si
258.4	SLE RA 2	-0.004	323	10000	250	Totale	Si
258.4	SLE RA 3	-0.004	323	10000	250	Totale	Si
258.4	SLE RA 4	-0.004	323	10000	250	Totale	Si
258.4	SLE RA 5	-0.004	323	10000	250	Totale	Si
75.4	SLE RA 2	0	323	10000	350	Variabile	Si
107.7	SLE RA 3	0	323	10000	350	Variabile	Si
258.4	SLE RA 4	0	323	10000	350	Variabile	Si
247.6	SLE RA 5	0	323	10000	350	Variabile	Si
247.6	SLE RA 6	-0.001	323	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
161.5	SLE RA 8	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 9	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 4	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 5	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 12	-0.416	323	776.2	250	Totale	Si
161.5	SLE RA 9	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 8	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 4	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 5	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 13	-0.212	323	1521.9	350	Variabile	Si

Superelemento in acciaio a "Piano 5" (3064; 600)-(3387; 600)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 323
Nodo iniziale: 18807 Nodo finale: 18808
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
323	SLV 1	0.026		1503.6		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
0	SLD 1	0.014		805.6		57288	1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLV 9	0.001	30.6	27105.4	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLU 47	0.057	-732.6	12938	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLD 16	0.017	-218.2	12937.7	10.02	Considerata	1	Si

Verifica a torsione §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
323	SLV 16	0.002	-15.7	8528.6	Considerata				Si

Verifica a torsione SLD §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
323	SLD 16	0.001	-9.3	8528.6	Considerata				Si

Verifica a flessione semplice X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
161.5	SLD 11	0.08	1	-17617.7	219349.2	1	0	0	Si

Verifica a flessione semplice Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	My,Ed	My,Rd	Rid. My,Rd da VEd	ρx	ρy	Verifica
0	SLD 11	0.004	1	421.5	110691.5	1	0	0	Si

Verifica a flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
150.7	SLD 12	0.08	1	-17539	219349	35	110692	1	1			0	0	Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLU 48	0.28	1	602.5	57288	1	-59157	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLD 1	0.094	1	805.6	57288	1	-17618	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLV 5	0.054	1	1131.1	57288	1	-3821	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
323	SLD 6	0.03	1	648.3	57288	1	2072	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLU 48	0.28	1	602.5	57288	1	-58894	219349	103	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLD 1	0.094	1	805.6	57288	1	-17539	219349	38	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	81.3	Si, (<200)
2	Si	323					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	129.4	Si, (<200)
2	Si	323							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLU 47	0.314	1	Si	493.9	-59157.3	-58020.1	184819.7	0.843	0.753	323	406477.5	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLD 7	0.092	1	Si	236.7	-17617.7	-17072.7	184819.7	0.843	0.753	323	406477.5	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLU 47	0.313	1	493.9	-58894.4	-57757.2	103	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
150.7	SLD 7	0.093	1	236.7	-17539.4	-16994.4	70.1	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
323	SLV 16	0.144	1	-876.9	60152.4	17617.7	230316.7	1635.1	116226.1	0.683	0.357	0.964	0.254	0.994	0.424	0.843	Si

Verifica di stabilità per pressoflessione SLD §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
323	SLD 16	0.108	1	-178.9	60152.4	17617.7	230316.7	1200.6	116226.1	0.683	0.357	0.953	0.243	0.999	0.405	0.843	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
258.4	SLE RA 1	-0.004	323	10000	250	Totale	Si
247.6	SLE RA 2	-0.004	323	10000	250	Totale	Si
247.6	SLE RA 3	-0.004	323	10000	250	Totale	Si
258.4	SLE RA 4	-0.004	323	10000	250	Totale	Si
258.4	SLE RA 5	-0.004	323	10000	250	Totale	Si
75.4	SLE RA 2	0	323	10000	350	Variabile	Si
107.7	SLE RA 3	0	323	10000	350	Variabile	Si
258.4	SLE RA 4	0	323	10000	350	Variabile	Si
247.6	SLE RA 5	0	323	10000	350	Variabile	Si
247.6	SLE RA 6	-0.001	323	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
161.5	SLE RA 8	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 9	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 4	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 5	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 12	-0.416	323	776.2	250	Totale	Si
161.5	SLE RA 8	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 9	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 4	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 5	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 12	-0.212	323	1521.9	350	Variabile	Si

Superelemento in acciaio a "Piano 5" (3064; 700)-(3387; 700)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 323
Nodo iniziale: 19007 Nodo finale: 19008
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
0	SLV 4	0.032		1831.5		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
323	SLD 3	0.018		1004.6		57288	1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLV 9	0.001	30.4	27105.4	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLU 48	0.057	732.6	12938.4	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLD 16	0.017	-218.2	12938.4	10.02	Considerata	1	Si

Verifica a torsione §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
323	SLV 16	0.002	-13.1	8528.6	Considerata				Si

Verifica a torsione SLD §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
323	SLD 16	0.001	-8.1	8528.6	Considerata				Si

Verifica a flessione semplice X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
161.5	SLD 9	0.08	1	-17617.7	219349.2	1	0	0	Si

Verifica a flessione semplice Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	My,Ed	My,Rd	Rid. My,Rd da VEd	ρx	ρy	Verifica
323	SLD 9	0.023	1	2553.6	110691.5	1	0	0	Si

Verifica a flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
183	SLD 10	0.082	1	-17305	219349	346	110692	1	1			0	0	Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLU 48	0.284	1	822.8	57288	1	-59157	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLD 3	0.098	1	1004.6	57288	1	-17618	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
323	SLV 9	0.055	1	-591.6	57288	1	4919	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
323	SLD 6	0.024	1	305.5	57288	1	2073	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLU 48	0.284	1	822.8	57288	1	-58894	219349	108	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
150.7	SLD 4	0.098	1	1004.6	57288	1	-17539	219349	37	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	81.3	Si, (<200)
2	Si	323					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	129.4	Si, (<200)
2	Si	323							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLU 47	0.312	1	Si	656.2	-59157.3	-57646.4	184819.7	0.843	0.753	323	406477.5	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLD 5	0.092	1	Si	305.5	-17617.7	-16914.1	184819.7	0.843	0.753	323	406477.5	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLU 47	0.311	1	656.2	-58894.4	-57383.4	105.9	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLD 6	0.092	1	305.5	-17539.4	-16835.8	144.8	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
323	SLV 13	0.159	1	-1014.3	60152.4	17617.7	230316.7	3742	116226.1	0.683	0.357	0.966	0.257	0.993	0.428	0.843	Si

Verifica di stabilità per pressoflessione SLD §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
323	SLD 13	0.112	1	-187.5	60152.4	17617.7	230316.7	2083.9	116226.1	0.683	0.357	0.953	0.243	0.999	0.405	0.843	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
258.4	SLE RA 1	-0.004	323	10000	250	Totale	Si
247.6	SLE RA 2	-0.004	323	10000	250	Totale	Si
247.6	SLE RA 3	-0.004	323	10000	250	Totale	Si
258.4	SLE RA 4	-0.004	323	10000	250	Totale	Si
247.6	SLE RA 5	-0.004	323	10000	250	Totale	Si
86.1	SLE RA 2	0	323	10000	350	Variabile	Si
118.4	SLE RA 3	0	323	10000	350	Variabile	Si
258.4	SLE RA 4	0	323	10000	350	Variabile	Si
236.9	SLE RA 5	0	323	10000	350	Variabile	Si
247.6	SLE RA 6	-0.001	323	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
161.5	SLE RA 8	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 9	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 4	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 5	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 12	-0.416	323	776.2	250	Totale	Si
161.5	SLE RA 8	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 9	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 4	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 5	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 12	-0.212	323	1521.9	350	Variabile	Si

Superelemento in acciaio a "Piano 7" (913; 300)-(1236; 300)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 323
Nodo iniziale: 21510 Nodo finale: 21511
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
323	SLV 7	0.017	1	-988.8	57288		1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
323	SLD 7	0.009	1	-494.3	57288		1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLV 9	0.001	28.5	27105.4	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLU 48	0.057	-732.6	12943.3	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLD 1	0.017	218.2	12943.3	10.02	Considerata	1	Si

Verifica a flessione semplice X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
161.5	SLD 15	0.08	1	-17617.7	219349.2	1	0	0	Si

Verifica a flessione semplice Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	My,Ed	My,Rd	Rid. My,Rd da VEd	ρx	ρy	Verifica
323	SLD 15	0.019	1	2052.2	110691.5	1	0	0	Si

Verifica a flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
183	SLD 16	0.081	1	-17305	219349	278	110692	1	1			0	0	Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLU 48	0.272	1	-109.7	57288	1	-59157	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLD 8	0.089	1	-494.3	57288	1	-17618	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
323	SLV 10	0.056	1	808.6	57288	1	4604	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
323	SLD 10	0.03	1	314.1	57288	1	2747	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLU 47	0.272	1	-108.3	57288	1	-58894	219349	143	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
150.7	SLD 7	0.089	1	-494.3	57288	1	-17539	219349	38	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	81.3	Si, (<200)
2	Si	323					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	129.4	Si, (<200)
2	Si	323							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLV 15	0.094	1	Si	142.8	-17617.7	-17288.9	184819.7	0.843	0.753	323	406477.5	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLD 5	0.093	1	Si	185.3	-17617.7	-17191.1	184819.7	0.843	0.753	323	406477.5	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
183	SLV 16	0.095	1	142.8	-17304.5	-16975.7	402	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
183	SLD 14	0.094	1	226.5	-17304.5	-16783	373.8	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
150.7	SLU 47	0.332	1	-108.3	60152.4	59157.3	230316.7	1997.1	116226.1	0.683	0.357	0.952	0.242	0.999	0.403	0.843	Si

Verifica di stabilità per pressoflessione SLD §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
323	SLD 7	0.121	1	-494.3	60152.4	17617.7	230316.7	440.1	116226.1	0.683	0.357	0.958	0.248	0.997	0.414	0.843	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
258.4	SLE RA 1	-0.005	323	10000	250	Totale	Si
64.6	SLE RA 2	0.005	323	10000	250	Totale	Si
64.6	SLE RA 3	0.005	323	10000	250	Totale	Si
258.4	SLE RA 4	-0.006	323	10000	250	Totale	Si
258.4	SLE RA 5	-0.005	323	10000	250	Totale	Si
247.6	SLE RA 2	0.001	323	10000	350	Variabile	Si
247.6	SLE RA 3	0.001	323	10000	350	Variabile	Si
258.4	SLE RA 4	0	323	10000	350	Variabile	Si
96.9	SLE RA 5	0	323	10000	350	Variabile	Si
75.4	SLE RA 6	0.001	323	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
161.5	SLE RA 8	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 9	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 4	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 5	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 12	-0.416	323	776.2	250	Totale	Si
161.5	SLE RA 8	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 9	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 4	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 5	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 12	-0.212	323	1521.9	350	Variabile	Si

Superelemento in acciaio a "Piano 7" (913; 400)-(1236; 400)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 323
Nodo iniziale: 21592 Nodo finale: 21593
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
312.2	SLV 10	0.011		647		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
323	SLD 9	0.006		328.5		57288	1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLV 9	0.001	29.1	27105.4	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLU 48	0.057	732.6	12943.3	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLD 1	0.017	218.2	12943.3	10.02	Considerata	1	Si

Verifica a torsione §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
0	SLV 15	0.001	-7.4	8528.6	Considerata				Si

Verifica a flessione semplice X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
161.5	SLD 1	0.08	1	-17617.7	219349.2	1	0	0	Si

Verifica a flessione semplice Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	My,Ed	My,Rd	Rid. My,Rd da VEd	ρx	ρy	Verifica
323	SLD 1	0.003	1	300	110691.5	1	0	0	Si

Verifica a flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
172.3	SLD 2	0.08	1	-17539	219349	33	110692	1	1			0	0	Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLU 48	0.272	1	150	57288	1	-59157	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLD 9	0.086	1	328.5	57288	1	-17618	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLV 10	0.054	1	647	57288	1	-4699	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
323	SLD 9	0.031	1	328.5	57288	1	2805	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLU 48	0.272	1	150	57288	1	-58894	219349	149	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
183	SLD 9	0.088	1	328.5	57288	1	-17305	219349	378	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	81.3	Si, (<200)
2	Si	323					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	129.4	Si, (<200)
2	Si	323							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLU 47	0.318	1	Si	137.9	-59157.3	-58839.9	184819.7	0.843	0.753	323	406477.5	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLD 15	0.094	1	Si	139.5	-17617.7	-17296.4	184819.7	0.843	0.753	323	406477.5	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLU 47	0.318	1	137.9	-58894.4	-58577	155	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLD 16	0.095	1	139.5	-17539.4	-17218.1	150	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
301.5	SLV 8	0.129	1	-513.5	60152.4	17617.7	230316.7	2345.8	116226.1	0.683	0.357	0.958	0.248	0.996	0.414	0.843	Si

Verifica di stabilità per pressoflessione SLD §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
301.5	SLD 8	0.106	1	-195	60152.4	17617.7	230316.7	443.5	116226.1	0.683	0.357	0.953	0.243	0.999	0.405	0.843	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
247.6	SLE RA 1	-0.006	323	10000	250	Totale	Si
247.6	SLE RA 2	-0.005	323	10000	250	Totale	Si
247.6	SLE RA 3	-0.005	323	10000	250	Totale	Si
258.4	SLE RA 4	-0.006	323	10000	250	Totale	Si
247.6	SLE RA 5	-0.006	323	10000	250	Totale	Si
75.4	SLE RA 2	-0.001	323	10000	350	Variabile	Si
75.4	SLE RA 3	0	323	10000	350	Variabile	Si
258.4	SLE RA 4	0	323	10000	350	Variabile	Si
236.9	SLE RA 5	0	323	10000	350	Variabile	Si

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
247.6	SLE RA 6	-0.001	323	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
161.5	SLE RA 8	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 9	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 4	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 5	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 12	-0.416	323	776.2	250	Totale	Si
161.5	SLE RA 8	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 9	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 4	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 5	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 12	-0.212	323	1521.9	350	Variabile	Si

Superelemento in acciaio a "Piano 7" (913; 500)-(1236; 500)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 323
Nodo iniziale: 21673 Nodo finale: 21674
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
312.2	SLV 14	0.01		550.7		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
312.2	SLD 14	0.006		370.1		57288	1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLV 9	0.001	29	27105.4	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLU 47	0.057	-732.6	12938.2	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLD 16	0.017	-218.2	12938.5	10.02	Considerata	1	Si

Verifica a torsione §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
323	SLV 16	0.001	-12.5	8528.6	Considerata				Si

Verifica a torsione SLD §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
323	SLD 16	0.001	-8	8528.6	Considerata				Si

Verifica a flessione semplice X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
161.5	SLV 1	0.08	1	-17617.7	219349.2	1	0	0	Si

Verifica a flessione semplice Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	My,Ed	My,Rd	Rid. My,Rd da VEd	ρx	ρy	Verifica
0	SLV 1	0.006	1	676.8	110691.5	1	0	0	Si

Verifica a flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
150.7	SLV 2	0.08	1	-17539	219349	52	110692	1	1			0	0	Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLU 48	0.276	1	388.4	57288	1	-59157	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLD 14	0.087	1	370.1	57288	1	-17618	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLV 14	0.052	1	550.7	57288	1	-4671	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLD 14	0.032	1	370.1	57288	1	-2826	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLU 48	0.276	1	388.4	57288	1	-58894	219349	135	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
140	SLD 14	0.089	1	370.1	57288	1	-17305	219349	-379	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	81.3	Si, (<200)
2	Si	323					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	129.4	Si, (<200)
2	Si	323							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLU 47	0.316	1	Si	343	-59157.3	-58367.5	184819.7	0.843	0.753	323	406477.5	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLD 3	0.095	1	Si	32	-17617.7	-17544.1	184819.7	0.843	0.753	323	406477.5	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLU 47	0.316	1	343	-58894.4	-58104.6	140.3	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
150.7	SLD 4	0.095	1	32	-17539.4	-17465.8	39.6	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
323	SLV 3	0.111	1	-148.6	60152.4	17617.7	230316.7	2308.4	116226.1	0.683	0.357	0.952	0.242	0.999	0.404	0.843	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
258.4	SLE RA 1	-0.005	323	10000	250	Totale	Si
258.4	SLE RA 2	-0.005	323	10000	250	Totale	Si
258.4	SLE RA 3	-0.005	323	10000	250	Totale	Si
258.4	SLE RA 4	-0.006	323	10000	250	Totale	Si
258.4	SLE RA 5	-0.006	323	10000	250	Totale	Si
75.4	SLE RA 2	-0.001	323	10000	350	Variabile	Si
75.4	SLE RA 3	0	323	10000	350	Variabile	Si
64.6	SLE RA 4	0	323	10000	350	Variabile	Si
236.9	SLE RA 5	0	323	10000	350	Variabile	Si
247.6	SLE RA 6	-0.001	323	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
161.5	SLE RA 9	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 8	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 5	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 4	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 13	-0.416	323	776.2	250	Totale	Si
161.5	SLE RA 9	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 8	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 5	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 4	-0.255	323	1268.2	350	Variabile	Si

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
161.5	SLE RA 13	-0.212	323	1521.9	350	Variabile	Si

Superelemento in acciaio a "Piano 7" (913; 600)-(1236; 600)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 323
Nodo iniziale: 21749 Nodo finale: 21750
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
323	SLV 16	0.014		822.4		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
323	SLD 16	0.01		551.6		57288	1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLV 9	0.001	29.1	27105.4	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLU 47	0.057	-732.6	12936.8	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLD 16	0.017	-218.2	12937.2	10.02	Considerata	1	Si

Verifica a torsione §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
323	SLV 16	0.002	-15.4	8528.6	Considerata				Si

Verifica a torsione SLD §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
323	SLD 16	0.001	-10	8528.6	Considerata				Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLU 48	0.279	1	560.8	57288	1	-59157	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLD 16	0.09	1	551.6	57288	1	-17618	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLV 14	0.054	1	663.6	57288	1	-4677	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
323	SLD 14	0.034	1	476.5	57288	1	2832	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLU 48	0.28	1	560.8	57288	1	-58894	219349	142	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
183	SLD 16	0.091	1	551.6	57288	1	-17305	219349	285	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;

Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	81.3	Si, (<200)
2	Si	323					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	129.4	Si, (<200)
2	Si	323							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLU 47	0.314	1	Si	477.6	-59157.3	-58057.4	184819.7	0.843	0.753	323	406477.5	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLD 1	0.095	1	Si	34.8	-17617.7	-17537.7	184819.7	0.843	0.753	323	406477.5	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLU 47	0.314	1	477.6	-58894.4	-57794.5	147.1	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLD 5	0.095	1	101.7	-17539.4	-17305.1	137.8	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
323	SLV 6	0.112	1	-106.5	60152.4	17617.7	230316.7	3101.6	116226.1	0.683	0.357	0.952	0.242	0.999	0.403	0.843	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
258.4	SLE RA 1	-0.006	323	10000	250	Totale	Si
247.6	SLE RA 2	-0.005	323	10000	250	Totale	Si
258.4	SLE RA 3	-0.005	323	10000	250	Totale	Si
258.4	SLE RA 4	-0.006	323	10000	250	Totale	Si
258.4	SLE RA 5	-0.006	323	10000	250	Totale	Si
75.4	SLE RA 2	-0.001	323	10000	350	Variabile	Si
75.4	SLE RA 3	0	323	10000	350	Variabile	Si
258.4	SLE RA 4	0	323	10000	350	Variabile	Si
236.9	SLE RA 5	0	323	10000	350	Variabile	Si
247.6	SLE RA 6	-0.001	323	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
161.5	SLE RA 9	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 8	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 5	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 4	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 13	-0.416	323	776.2	250	Totale	Si
161.5	SLE RA 9	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 8	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 5	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 4	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 13	-0.212	323	1521.9	350	Variabile	Si

Superelemento in acciaio a "Piano 7" (913; 700)-(1236; 700)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 323
Nodo iniziale: 21823 Nodo finale: 21824
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
323	SLV 16	0.022		1255.8		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
323	SLD 16	0.014		823.4		57288	1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLV 9	0.001	29.2	27091.6	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLU 47	0.057	-732.6	12937.8	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLD 14	0.017	-218.2	12938.1	10.02	Considerata	1	Si

Verifica a torsione §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
312.2	SLV 14	0.002	-13.1	8528.6	Considerata				Si

Verifica a torsione SLD §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
323	SLD 13	0.001	-8.5	8528.6	Considerata				Si

Verifica a flessione semplice X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
161.5	SLD 1	0.08	1	-17617.7	219349.2	1	0	0	Si

Verifica a flessione semplice Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	My,Ed	My,Rd	Rid. My,Rd da VEd	ρx	ρy	Verifica
323	SLD 1	0.003	1	301.6	110691.5	1	0	0	Si

Verifica a flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
183	SLD 2	0.079	1	-17305	219349	50	110692	1	1			0	0	Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLU 48	0.284	1	810.9	57288	1	-59157	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLD 16	0.095	1	823.4	57288	1	-17618	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLV 14	0.058	1	926.7	57288	1	-4685	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
323	SLD 14	0.037	1	674.3	57288	1	2842	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLU 48	0.284	1	810.9	57288	1	-58894	219349	147	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
183	SLD 15	0.096	1	823.4	57288	1	-17305	219349	288	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	81.3	Si, (<200)
2	Si	323					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	129.4	Si, (<200)

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
2	Si	323							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLU 47	0.312	1	Si	675	-59157.3	-57603	184819.7	0.843	0.753	323	406477.5	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLD 5	0.094	1	Si	77	-17617.7	-17440.4	184819.7	0.843	0.753	323	406477.5	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLU 47	0.312	1	675	-58894.4	-57340	151.7	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLD 5	0.095	1	77	-17539.4	-17362.1	140.8	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
323	SLV 6	0.123	1	-325.7	60152.4	17617.7	230316.7	3110.6	116226.1	0.683	0.357	0.955	0.245	0.998	0.409	0.843	Si

Verifica di stabilità per pressoflessione SLD §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
0	SLD 1	0.096	1	0	60152.4	17617.7	230316.7	301.6	116226.1	0.683	0.357	0.95	0.24	1	0.4	0.843	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
258.4	SLE RA 1	-0.006	323	10000	250	Totale	Si
247.6	SLE RA 2	-0.005	323	10000	250	Totale	Si
247.6	SLE RA 3	-0.005	323	10000	250	Totale	Si
258.4	SLE RA 4	-0.006	323	10000	250	Totale	Si
247.6	SLE RA 5	-0.006	323	10000	250	Totale	Si
75.4	SLE RA 2	-0.001	323	10000	350	Variabile	Si
75.4	SLE RA 3	-0.001	323	10000	350	Variabile	Si
258.4	SLE RA 4	0	323	10000	350	Variabile	Si
226.1	SLE RA 5	0	323	10000	350	Variabile	Si
247.6	SLE RA 6	-0.001	323	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
161.5	SLE RA 8	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 9	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 4	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 5	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 12	-0.416	323	776.2	250	Totale	Si
161.5	SLE RA 8	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 9	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 4	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 5	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 12	-0.212	323	1521.9	350	Variabile	Si

ALLEGATO DI CALCOLO

Corpo 2

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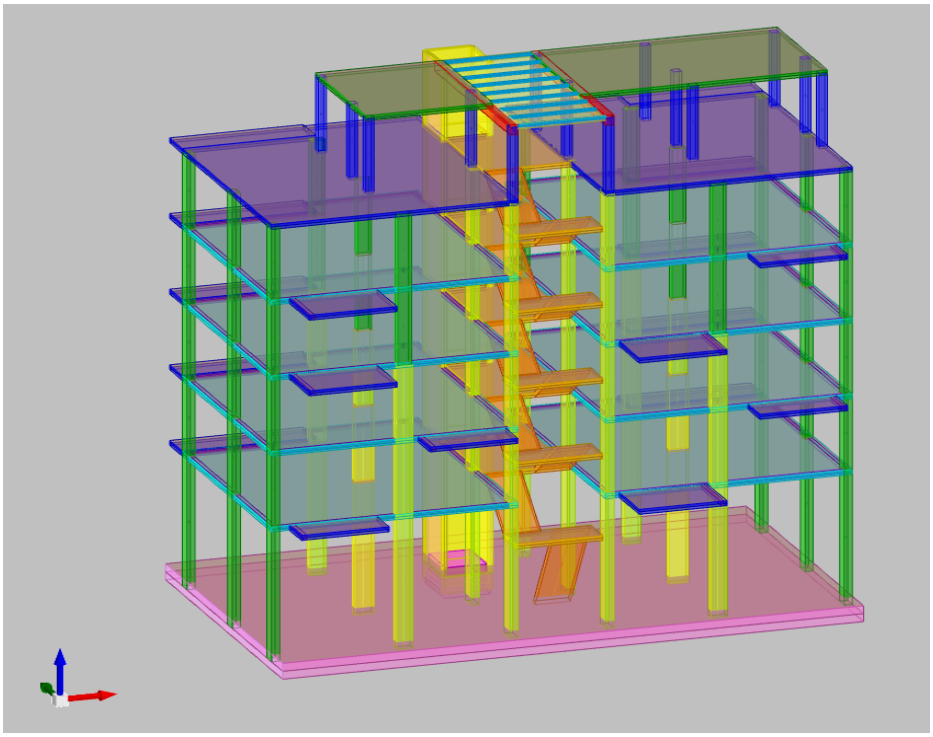
1 Rappresentazione generale dell'edificio



Struttura
Vista assonometrica dell'edificio nella sua interezza

2 Normative

D.M. 17-01-18
Norme Tecniche per le Costruzioni

Circolare 7 21-01-19 C.S.LL.PP
Istruzioni per l'applicazione dell'Aggiornamento delle N.T.C. di cui al decreto ministeriale 17 gennaio 2018.

Eurocodici
EN 1995-1-1:2004 +AC:2006 + A1:2008 + A2:2014
ETA-03/0050
ETA-07/0086
ETA-08/0147

3 Descrizione del software

Descrizione del programma Sismicad

Si tratta di un programma di calcolo strutturale che nella versione più estesa è dedicato al progetto e verifica degli elementi in cemento armato, acciaio, muratura e legno di opere civili.
Il programma utilizza come analizzatore e solutore del modello strutturale un proprio solutore agli elementi finiti tridimensionale fornito col pacchetto. Il programma è sostanzialmente diviso in tre moduli:
- un pre processore che consente l'introduzione della geometria e dei carichi e crea il file dati di input al solutore;
- il solutore agli elementi finiti;
- un post processore che a soluzione avvenuta elabora i risultati eseguendo il progetto e la verifica delle membrature e producendo i grafici ed i tabulati di output.

Specifiche tecniche

Denominazione del software: Sismicad 12.21
Produttore del software: Concrete
Concrete srl, via della Pieve, 19, 35121 PADOVA - Italy
http://www.concrete.it
Rivenditore: CONCRETE SRL - Via della Pieve 19 - 35121 Padova - tel.049-8754720
Versione: 12.21
Identificatore licenza: SW-55823
Intestatario della licenza: Mediapolis Engineering - S.r.l. Piazza Maria Teresa, 7 - Torino
Versione regolarmente licenziata

Schematizzazione strutturale e criteri di calcolo delle sollecitazioni

Il programma schematizza la struttura attraverso l'introduzione nell'ordine di fondazioni, poste anche a quote diverse, platee, platee nervate, plinti e travi di fondazione poggianti tutte su suolo elastico alla Winkler, di elementi verticali, pilastri e pareti in c.a. anche con fori, di orizzontamenti costituiti da solai orizzontali e inclinati (falde), e relative travi di piano e di falda; è ammessa anche l'introduzione di elementi prismatici in c.a. di interpiano con possibilità di collegamento in inclinato a solai posti a quote diverse.
I nodi strutturali possono essere connessi solo a travi, pilastri e pareti, simulando così impalcati infinitamente deformabili nel piano, oppure a elementi lastra di spessore dichiarato dall'utente simulando in tal modo impalcati a rigidezza finita. I nodi appartenenti agli impalcati orizzontali possono essere connessi rigidamente ad uno o più nodi principali giacenti nel piano dell'impalcato; generalmente un nodo principale coincide con il baricentro delle masse. Tale opzione, oltre a ridurre significativamente i tempi di elaborazione, elimina le approssimazioni numeriche connesse all'utilizzo di elementi lastra quando si richiede l'analisi a impalcati infinitamente rigidi.
Per quanto concerne i carichi, in fase di immissione dati, vengono definite, in numero a scelta dell'utente, condizioni di carico elementari le quali, in aggiunta alle azioni sismiche e variazioni termiche, vengono combinate attraverso coefficienti moltiplicativi per fornire le combinazioni richieste per le verifiche successive. L'effetto di disassamento delle forze orizzontali, indotto ad esempio dai torcenti di piano per costruzioni in zona sismica, viene simulato attraverso l'introduzione di eccentricità planari aggiuntive le quali costituiscono ulteriori condizioni elementari di carico da cumulare e combinare secondo i criteri del paragrafo precedente.
Tipologicamente sono ammessi sulle travi e sulle pareti carichi uniformemente distribuiti e carichi trapezoidali;lungo le aste e nei nodi di incrocio delle membrature sono anche definibili componenti di forze e coppie concentrate comunque dirette nello spazio. Sono previste distribuzioni di temperatura, di intensità a scelta dell'utente, agenti anche su singole porzioni di struttura.
Il calcolo delle sollecitazioni si basa sulle seguenti ipotesi e modalità:
- travi e pilastri deformabili a sforzo normale, flessione deviata, taglio deviato e momento torcente. Sono previsti coefficienti riduttivi dei momenti di inerzia a scelta dell'utente per considerare la riduzione della rigidezza flessionale e torsionale per effetto della fessurazione del conglomerato cementizio. E' previsto un moltiplicatore della rigidezza assiale dei pilastri per considerare, se pure in modo approssimato, l'accorciamento dei pilastri per sforzo normale durante la costruzione;
- le travi di fondazione su suolo alla Winkler sono risolte in forma chiusa tramite uno specifico elemento finito;
- le pareti in c.a. sono analizzate schematizzandole come elementi lastra-piastra discretizzati con passo massimo assegnato in fase di immissione dati;
- le pareti in muratura possono essere schematizzate con elementi lastra-piastra con spessore flessionale ridotto rispetto allo spessore membranale;
- i plinti su suolo alla Winkler sono modellati con la introduzione di molle verticali elastoplastiche. La traslazione orizzontale a scelta dell'utente è bloccata o gestita da molle orizzontali di modulo di reazione proporzionale al verticale;
- i pali sono modellati suddividendo l'asta in più aste immerse in terreni di stratigrafia definita dall'utente. Nei nodi di divisione tra le aste vengono inserite molle assialsimmetriche elastoplastiche precaricate dalla spinta a riposo che hanno come pressione limite minima la spinta attiva e come pressione limite massima la spinta passiva modificabile attraverso opportuni coefficienti;
- i plinti su pali sono modellati attraverso aste di di rigidezza elevata che collegano un punto della struttura in elevazione con le aste che simulano la presenza dei pali;
- le piastre sono discretizzate in un numero finito di elementi lastra-piastra con passo massimo assegnato in fase di immissione dati; nel caso di platee di fondazione i nodi sono collegati al suolo da molle aventi rigidezze alla traslazione verticale ed richiesta anche orizzontale;
- la deformabilità nel proprio piano di piani dichiarati non infinitamente rigidi e di falde (piani inclinati) può essere controllata attraverso la introduzione di elementi membranali nelle zone di solaio;
- i disassamenti tra elementi asta sono gestiti automaticamente dal programma attraverso la introduzione di collegamenti rigidi locali;
- alle estremità di elementi asta è possibile inserire svincolamenti tradizionali così come cerniere parziali (che trasmettono una quota di ciò che trasmetterebbero in condizioni di collegamento rigido) o cerniere plastiche;
- alle estremità di elementi bidimensionali è possibile inserire svincolamenti con cerniere parziali del momento flettente avente come asse il bordo dell'elemento;
- il calcolo degli effetti del sisma è condotto, a scelta dell'utente, con analisi statica lineare, con analisi dinamica modale o con analisi statica non lineare, in accordo alle varie normative adottate. Le masse, nel caso di impalcati dichiarati rigidi sono concentrate nei nodi principali di piano altrimenti vengono considerate diffuse nei nodi giacenti sull'impalcato stesso. Nel caso di analisi sismica vengono anche controllati gli spostamenti di interpiano.

Verifiche delle membrature in cemento armato

Nel caso più generale le verifiche degli elementi in c.a. possono essere condotte col metodo delle tensioni ammissibili (D.M. 14-1-92) o agli stati limite in accordo al D.M. 09-01-96, al D.M. 14-01-08, al D.M. 17-01-18 o secondo Eurocodice 2.
Le travi sono progettate e verificate a flessione retta e taglio; a richiesta è possibile la verifica per le sei componenti della sollecitazione.
I pilastri ed i pali sono verificati per le sei componenti della sollecitazione.
Per gli elementi bidimensionali giacenti in un medesimo piano è disponibile la modalità di verifica che consente di analizzare lo stato di verifica nei singoli nodi degli elementi. Nelle verifiche (a presso flessione e punzonamento) è ammessa la introduzione dei momenti di calcolo modificati in base alle direttive

dell'EC2, Appendice A.2.8.
I plinti superficiali sono verificati assumendo lo schema statico di mensole con incastri posti a filo o in asse pilastro.
Gli ancoraggi delle armature delle membrature in c.a. sono calcolati sulla base della effettiva tensione normale che ogni barra assume nella sezione di verifica distinguendo le zone di ancoraggio in zone di buona o cattiva aderenza. In particolare il programma valuta la tensione normale che ciascuna barra può assumere in una sezione sviluppando l'aderenza sulla superficie cilindrica posta a sinistra o a destra della sezione considerata; se in una sezione una barra assume per effetto dell'aderenza una tensione normale minore di quella ammissibile, il suo contributo all'area complessiva viene ridotto dal programma nel rapporto tra la tensione normale che la barra può assumere per effetto dell'aderenza e quella ammissibile. Le verifiche sono effettuate a partire dalle aree di acciaio equivalenti così calcolate che vengono evidenziate in relazione.
A seguito di analisi inelastiche eseguite in accordo a OPCM 3431 o D.M. 14-01-08, al D.M. 17-01-18 vengono condotte verifiche di resistenza per i meccanismi fragili (nodi e taglio) e verifiche di deformabilità per i meccanismi duttili.

Verifiche delle membrature in acciaio

Le verifiche delle membrature in acciaio (solo per utenti Sismicad acciaio) possono essere condotte secondo CNR 10011 (stato limite o tensioni ammissibili), CNR 10022, D.M. 14-01-08, al D.M. 17-01-18 o Eurocodice 3.
Sono previste verifiche di resistenza e di instabilità.

4 Dati generali DB

4.1 Materiali

4.1.1 Materiali c.a.

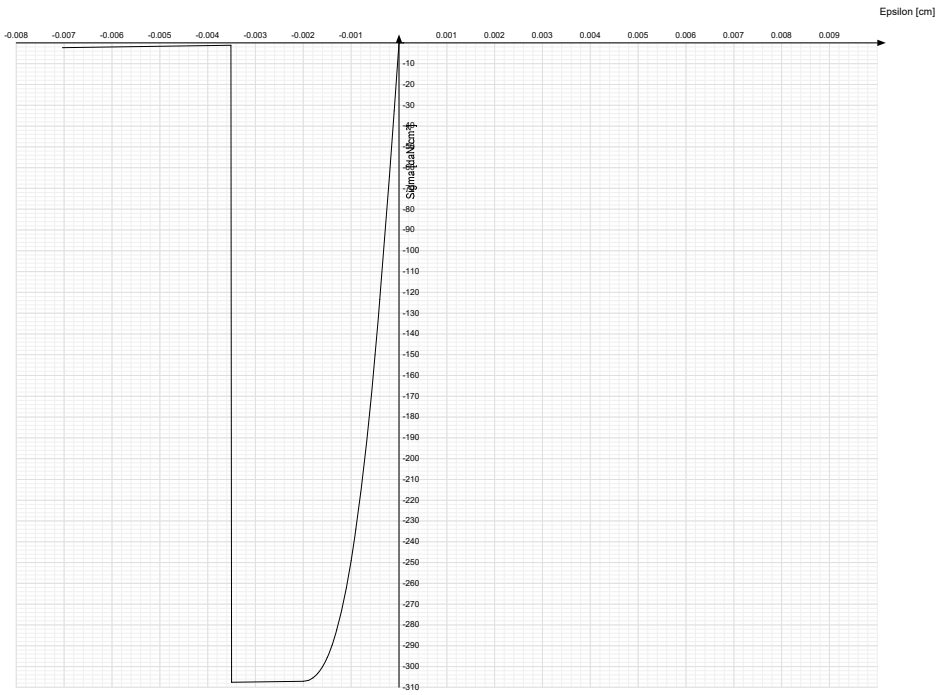
***Descrizione**: descrizione o nome assegnato all'elemento.*
***Rck**: resistenza caratteristica cubica; valore medio nel caso di edificio esistente. [daN/cm²]*
***E**: modulo di elasticità longitudinale del materiale per edifici o materiali nuovi. [daN/cm²]*
***G**: modulo di elasticità tangenziale del materiale, viene impiegato nella modellazione di aste e di elementi guscio a comportamento ortotropo. [daN/cm²]*
***v**: coefficiente di Poisson. Il valore è adimensionale.*
***γ**: peso specifico del materiale. [daN/cm³]*
***α**: coefficiente longitudinale di dilatazione termica. [°C-1]*

Descrizione	Rck	E	G	v	γ	α
C30/37	370	330194	Default (150088.34)	0.1	0.0025	0.00001

4.1.2 Curve di materiali c.a.

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Curva**: curva caratteristica.*
***Reaz.traz.**: reagisce a trazione.*
***Comp.frag.**: ha comportamento fragile.*
***E.compr.**: modulo di elasticità a compressione. [daN/cm²]*
***Incr.compr.**: incrudimento di compressione. Il valore è adimensionale.*
***EpsEc**: ε elastico a compressione. Il valore è adimensionale.*
***EpsUc**: ε ultimo a compressione. Il valore è adimensionale.*
***E.traz.**: modulo di elasticità a trazione. [daN/cm²]*
***Incr.traz.**: incrudimento di trazione. Il valore è adimensionale.*
***EpsEt**: ε elastico a trazione. Il valore è adimensionale.*
***EpsUt**: ε ultimo a trazione. Il valore è adimensionale.*

Descrizione	Curva									
	Reaz.traz.	Comp.frag.	E.compr.	Incr.compr.	EpsEc	EpsUc	E.traz.	Incr.traz.	EpsEt	EpsUt
C30/37	No	Si	330194.35	0.001	-0.002	-0.0035	330194.35	0.001	0.0000624	0.0000686



4.1.3 Armature

***Descrizione**: descrizione o nome assegnato all'elemento.*
***fyk**: resistenza caratteristica. [daN/cm²]*
***σamm.**: tensione ammissibile. [daN/cm²]*
***Tipo**: tipo di barra.*
***E**: modulo di elasticità longitudinale del materiale per edifici o materiali nuovi. [daN/cm²]*
***γ**: peso specifico del materiale. [daN/cm³]*
***v**: coefficiente di Poisson. Il valore è adimensionale.*

***α**: coefficiente longitudinale di dilatazione termica. [°C-1]*
***Livello di conoscenza**: indica se il materiale è nuovo o esistente, e in tal caso il livello di conoscenza secondo Circ.617 02/02/09 §C8A. Informazione impiegata solo in analisi D.M. 14-01-08 (N.T.C.) eD.M. 17-01-18 (N.T.C.).*

Descrizione	fyk	σamm.	Tipo	E	γ	v	α	Livello di conoscenza
B450C	4500	2550	Aderenza migliorata	2060000	0.00785	0.3	0.000012	Nuovo

4.1.4 Acciai

4.1.4.1 Proprietà acciai base

***Descrizione**: descrizione o nome assegnato all'elemento.*
***E**: modulo di elasticità longitudinale del materiale per edifici o materiali nuovi. [daN/cm²]*
***G**: modulo di elasticità tangenziale del materiale, viene impiegato nella modellazione di aste e di elementi guscio a comportamento ortotropo. [daN/cm²]*
***v**: coefficiente di Poisson. Il valore è adimensionale.*
***γ**: peso specifico del materiale. [daN/cm³]*
***α**: coefficiente longitudinale di dilatazione termica. [°C-1]*

Descrizione	E	G	v	γ	α
S235	2100000	Default (807692.31)	0.3	0.00785	0.000012
S275	2100000	Default (807692.31)	0.3	0.00785	0.000012

4.1.4.2 Proprietà acciai CNR 10011

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Tipo**: descrizione per norma.*
***fy(s<=40 mm)**: resistenza di snervamento fy per spessori <=40 mm. [daN/cm²]*
***fy(s>40 mm)**: resistenza di snervamento fy per spessori >40 mm. [daN/cm²]*
***fu(s<=40 mm)**: resistenza di rottura per trazione fu per spessori <=40 mm. [daN/cm²]*
***fu(s>40 mm)**: resistenza di rottura per trazione fu per spessori >40 mm. [daN/cm²]*
***Prosp. Omega**: prospetto per coefficienti Omega.*
***σ amm.(s<=40 mm)**: σ ammissibile per spessori <=40 mm. [daN/cm²]*
***σ amm.(s>40 mm)**: σ ammissibile per spessori >40 mm. [daN/cm²]*
***fd(s<=40 mm)**: resistenza di progetto fd per spessori <=40 mm. [daN/cm²]*
***fd(s>40 mm)**: resistenza di progetto fd per spessori >40 mm. [daN/cm²]*

Descrizione	Tipo	fy(s<=40 mm)	fy(s>40 mm)	fu(s<=40 mm)	fu(s>40 mm)	Prosp. Omega	σ amm.(s<=40 mm)	σ amm.(s>40 mm)	fd(s<=40 mm)	fd(s>40 mm)
S235	FE360	2350	2150	3600	3400	II	1600	1400	2350	2100
S275	FE430	2750	2550	4300	4100	III	1900	1700	2750	2500

4.1.4.3 Proprietà acciai CNR 10022

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Tipo**: descrizione per norma.*
***fy**: resistenza di snervamento fy. [daN/cm²]*
***fu**: resistenza di rottura fu. [daN/cm²]*
***fd**: resistenza di progetto fd. [daN/cm²]*
***Prospetto omega sag.fr.(s<3mm)**: prospetto coeff. omega per spessori < 3 mm.*
***Prospetto omega sag.fr.(s>=3mm)**: prospetto coeff. omega per spessori >= 3 mm.*
***Prospetti σ crit. Eulero**: prospetti σ critiche euleriane.*

Descrizione	Tipo	fy	fu	fd	Prospetto omega sag.fr.(s<3mm)	Prospetto omega sag.fr.(s>=3mm)	Prospetti σ crit. Eulero
S235	FE360	2350	3600	2350	b	c	I
S275	FE430	2750	4300	2750	d	e	I

4.1.4.4 Proprietà acciai EC3/DM08/DM18

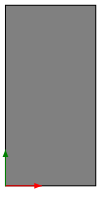
***Descrizione**: descrizione o nome assegnato all'elemento.*
***Tipo**: descrizione per norma.*
***fy(s<=40 mm)**: resistenza di snervamento fy per spessori <=40 mm. [daN/cm²]*
***fy(s>40 mm)**: resistenza di snervamento fy per spessori >40 mm. [daN/cm²]*
***fu(s<=40 mm)**: resistenza di rottura per trazione fu per spessori <=40 mm. [daN/cm²]*
***fu(s>40 mm)**: resistenza di rottura per trazione fu per spessori >40 mm. [daN/cm²]*

Descrizione	Tipo	fy(s<=40 mm)	fy(s>40 mm)	fu(s<=40 mm)	fu(s>40 mm)
S235	S235	2350	2150	3600	3600
S275	S275	2750	2550	4300	4100

4.2 Sezioni

4.2.1 Sezioni C.A.

4.2.1.1 Sezioni rettangolari C.A.



***Descrizione**: descrizione o nome assegnato all'elemento.*

***Area Tx FEM**: area di taglio in direzione X per l'analisi FEM. [cm²]*
***Area Ty FEM**: area di taglio in direzione Y per l'analisi FEM. [cm²]*
***JxFEM**: momento di inerzia attorno all'asse X per l'analisi FEM. [cm4]*
***JyFEM**: momento di inerzia attorno all'asse Y per l'analisi FEM. [cm4]*
***JtFEM**: momento d'inerzia torsionale corretto con il fattore di forma per l'analisi FEM. [cm4]*
***H**: altezza della sezione. [cm]*
***B**: larghezza della sezione. [cm]*
***c.s.**: copriferro superiore della sezione. [cm]*
***c.i.**: copriferro inferiore della sezione. [cm]*
***c.l.**: copriferro laterale della sezione. [cm]*

Descrizione	Area Tx FEM	Area Ty FEM	JxFEM	JyFEM	JtFEM	H	B	c.s.	c.i.	c.l.
R 30x60	1500	1500	540000	135000	369900	60	30	3.5	3.5	3.5
R 30x50	1250	1250	312500	112500	279900	50	30	3.5	3.5	3.5
R 30x70	1750	1750	857500	157500	459900	70	30	3.5	3.5	3.5
R 30x40	1000	1000	160000	90000	189900	40	30	3.5	3.5	3.5
R 130x20	2166.67	2166.67	86666.67	3.662E06	313066.67	20	130	3.5	3.5	3.5
R 30x30_1	750	750	67500	67500	99900	30	30	3.5	3.5	3.5

4.2.1.2 Caratteristiche inerziali sezioni C.A.

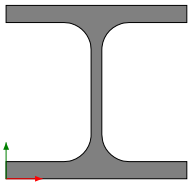
***Descrizione**: descrizione o nome assegnato all'elemento.*
***Xg**: ascissa del baricentro definita rispetto al sistema geometrico in cui sono definiti i vertici del poligono. [cm]*
***Yg**: ordinata del baricentro definita rispetto al sistema geometrico in cui sono definiti i vertici del poligono. [cm]*
***Area**: area inerziale nel sistema geometrico centrato nel baricentro. [cm²]*
***Jx**: momento d'inerzia attorno all'asse orizzontale baricentrico di definizione della sezione. [cm4]*
***Jy**: momento d'inerzia attorno all'asse verticale baricentrico di definizione della sezione. [cm4]*
***Jxy**: momento centrifugo rispetto al sistema di riferimento baricentrico di definizione della sezione. [cm4]*
***Jm**: momento d'inerzia attorno all'asse baricentrico principale M. [cm4]*
***Jn**: momento d'inerzia attorno all'asse baricentrico principale N. [cm4]*
***α**: angolo tra gli assi del sistema di riferimento geometrico di definizione e quelli del sistema di riferimento principale. [deg]*
***Area Tx FEM**: area di taglio in direzione X per l'analisi FEM. [cm²]*
***Area Ty FEM**: area di taglio in direzione Y per l'analisi FEM. [cm²]*
***JxFEM**: momento di inerzia attorno all'asse X per l'analisi FEM. [cm4]*
***JyFEM**: momento di inerzia attorno all'asse Y per l'analisi FEM. [cm4]*
***JtFEM**: momento d'inerzia torsionale corretto con il fattore di forma per l'analisi FEM. [cm4]*

Descrizione	Xg	Yg	Area	Jx	Jy	Jxy	Jm	Jn	α	Area Tx FEM	Area Ty FEM	JxFEM	JyFEM	JtFEM
R 30x60	15	30	1800	540000	135000	0	540000	135000	0	1500	1500	540000	135000	369900
R 30x50	15	25	1500	312500	112500	0	312500	112500	0	1250	1250	312500	112500	279900
R 30x70	15	35	2100	857500	157500	0	857500	157500	0	1750	1750	857500	157500	459900
R 30x40	15	20	1200	160000	90000	0	160000	90000	0	1000	1000	160000	90000	189900
R 130x20	65	10	2600	8.7E4	3.7E6	0	8.7E4	3.7E6	0	2166.67	2166.67	86666.67	3.66E06	3.13E05
R 30x30_1	15	15	900	67500	67500	0	67500	67500	0	750	750	67500	67500	99900

4.2.2 Sezioni in acciaio

4.2.2.1 Profili singoli in acciaio

4.2.2.1.1 HEA - HEM - HEB - IPE



***Descrizione**: descrizione o nome assegnato all'elemento.*
***Sup.**: superficie bagnata per unità di lunghezza. [mm]*
***Area Tx FEM**: area di taglio in direzione X per l'analisi FEM. [mm²]*
***Area Ty FEM**: area di taglio in direzione Y per l'analisi FEM. [mm²]*
***JxFEM**: momento di inerzia attorno all'asse X per l'analisi FEM. [mm4]*
***JyFEM**: momento di inerzia attorno all'asse Y per l'analisi FEM. [mm4]*
***JtFEM**: momento d'inerzia torsionale corretto con il fattore di forma per l'analisi FEM. [mm4]*
***b**: larghezza dell'ala. [mm]*
***h**: altezza del profilo. [mm]*
***s**: spessore dell'anima. [mm]*
***t**: spessore delle ali. [mm]*
***r**: raggio del raccordo ala-anima. [mm]*
***f**: truschino. [mm]*

Descrizione	Sup.	Area Tx FEM	Area Ty FEM	JxFEM	JyFEM	JtFEM	b	h	s	t	r	f
HEA100	1024.1	1583	519	4041820	1594457	62702	100	96	6	9.5	15	99

4.2.2.2 Caratteristiche inerziali sezioni in acciaio

4.2.2.2.1 Caratteristiche inerziali principali sezioni in acciaio

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Xg**: coordinata X del baricentro. [cm]*
***Yg**: coordinata Y del baricentro. [cm]*
***Area**: area inerziale nel sistema geometrico centrato nel baricentro. [cm²]*
***Jx**: momento d'inerzia attorno all'asse orizzontale baricentrico di definizione della sezione. [cm4]*
***Jy**: momento d'inerzia attorno all'asse verticale baricentrico di definizione della sezione. [cm4]*

***Jxy**: momento centrifugo rispetto al sistema di riferimento baricentrico di definizione della sezione. [cm4]*
***Jm**: momento d'inerzia attorno all'asse baricentrico principale M. [cm4]*
***Jn**: momento d'inerzia attorno all'asse baricentrico principale N. [cm4]*
***α X su M**: angolo tra gli assi del sistema di riferimento geometrico di definizione e quelli del sistema di riferimento principale. [deg]*
***Jt**: momento d'inerzia torsionale corretto con il fattore di forma. [cm4]*

Descrizione	Xg	Yg	Area	Jx	Jy	Jxy	Jm	Jn	α X su M	Jt
HEA100	5	4.8	25.6	404.18	159.45	0	404.18	159.45	0	6.27

4.2.2.2.2 Caratteristiche inerziali momenti sezioni in acciaio

***Descrizione**: descrizione o nome assegnato all'elemento.*
***ix**: raggio di inerzia relativo all'asse x. [cm]*
***iy**: raggio di inerzia relativo all'asse y. [cm]*
***im**: raggio di inerzia relativo all'asse principale m. [cm]*
***in**: raggio di inerzia relativo all'asse principale n. [cm]*
***Sx**: momento statico relativo all'asse x. [cm³]*
***Sy**: momento statico relativo all'asse y. [cm³]*
***Wx**: modulo di resistenza elastico minimo relativo all'asse x. [cm³]*
***Wy**: modulo di resistenza elastico minimo relativo all'asse y. [cm³]*
***Wm**: modulo di resistenza elastico minimo relativo all'asse principale m. [cm³]*
***Wn**: modulo di resistenza elastico minimo relativo all'asse principale n. [cm³]*
***Wplx**: modulo di resistenza plastico relativo all'asse x. [cm³]*
***Wply**: modulo di resistenza plastico relativo all'asse y. [cm³]*

Descrizione	ix	iy	im	in	Sx	Sy	Wx	Wy	Wm	Wn	Wplx	Wply
HEA100	3.97	2.5	3.97	2.5	49	24.73	84.2	31.89	84.2	31.89	98.01	49.46

4.2.2.2.3 Caratteristiche inerziali taglio sezioni in acciaio

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Atx**: area a taglio lungo x. [cm²]*
***Aty**: area a taglio lungo y. [cm²]*

Descrizione	Atx	Aty
HEA100	19	5.76

5 Dati di definizione

5.1 Preferenze commessa

5.1.1 Preferenze di normativa

Analisi

Normativa	D.M. 17-01-18 (N.T.C.)	
Tipo di costruzione	2 - Costruzioni con livelli di prestazioni ordinari	
Vn	50	
Classe d'uso	II	
Vr	50	
Tipo di analisi	Lineare dinamica	
Considera sisma Z	Solo se Ag >= 0.15 g, conformemente a §3.2.3.1	
Località	Torino; Latitudine ED50 45,0781° (45° 4' 41''); Longitudine ED50 7,6761° (7° 40' 34''); Altitudine s.l.m. 240 m.	
Categoria del suolo	C - Depositi di terreni a grana grossa mediamente addensati o terreni a grana fina mediamente consistenti	
Categoria topografica	T1 - Superficie pianeggiante, pendii e rilievi isolati con inclinazione media i<=15°	
Ss orizzontale SLD	1.5	
Tb orizzontale SLD	0.116	[s]
Tc orizzontale SLD	0.348	[s]
Td orizzontale SLD	1.716	[s]
Ss orizzontale SLV	1.5	
Tb orizzontale SLV	0.146	[s]
Tc orizzontale SLV	0.437	[s]
Td orizzontale SLV	1.823	[s]
St	1	
PVr SLD (%)	63	
Tr SLD	50	
Ag/g SLD	0.029	
Fo SLD	2.589	
Tc* SLD	0.193	[s]
PVr SLV (%)	10	
Tr SLV	475	
Ag/g SLV	0.0557	
Fo SLV	2.759	
Tc* SLV	0.27	[s]
Smorzamento viscoso (%)	5	
Classe di duttilità	Non dissipativa	
Rotazione del sisma	0	[deg]
Quota dello '0' sismico	0	[cm]
Regolarità in pianta	No	
Regolarità in elevazione	No	
Edificio C.A.	Si	
Tipologia C.A.	Strutture a telaio q0=3.0*αu/α1	
αu/α1 C.A.	Strutture a telaio di un piano αu/α1=(1.0+1.1)/2	
Edificio esistente	No	
Altezza costruzione	1920	[cm]
T1,x	0.96867	[s]
T1,y	1.10812	[s]
λ SLD,x	1	
λ SLD,y	1	
λ SLV,x	1	
λ SLV,y	1	
Limite spostamenti interpiano SLD	0.005	
Fattore di comportamento per sisma SLD X	1.5	
Fattore di comportamento per sisma SLD Y	1.5	
Fattore di comportamento per sisma SLV X	1.5	
Fattore di comportamento per sisma SLV Y	1.5	
Coefficiente di sicurezza per carico limite (fondazioni superficiali)	2.3	
Coefficiente di sicurezza per scorrimento (fondazioni superficiali)	1.1	
Coefficiente di sicurezza portanza verticale pali infissi, punta	1.15	
Coefficiente di sicurezza portanza verticale pali infissi, laterale compressione	1.15	
Coefficiente di sicurezza portanza verticale pali infissi, laterale trazione	1.25	
Coefficiente di sicurezza portanza verticale pali trivellati, punta	1.35	
Coefficiente di sicurezza portanza verticale pali trivellati, laterale compressione	1.15	
Coefficiente di sicurezza portanza verticale pali trivellati, laterale trazione	1.25	
Coefficiente di sicurezza portanza verticale micropali, punta	1.35	
Coefficiente di sicurezza portanza verticale micropali, laterale compressione	1.15	
Coefficiente di sicurezza portanza verticale micropali, laterale trazione	1.25	
Coefficiente di sicurezza portanza trasversale pali	1.3	
Fattore di correlazione resistenza caratteristica dei pali in base alle verticali indagate	1.7	
Coefficiente di sicurezza per ribaltamento (plinti superficiali)	1.15	
Esegui verifiche in combinazioni SLD secondo Circolare 7	Si	

Verifiche C.A.

Normativa	D.M. 17-01-18 (N.T.C.)	
γs (fattore di sicurezza parziale per l'acciaio)	1.15	
γc (fattore di sicurezza parziale per il calcestruzzo)	1.5	
Limite σc/fck in combinazione rara	0.6	
Limite σc/fck in combinazione quasi permanente	0.45	
Limite σf/fyk in combinazione rara	0.8	
Coefficiente di riduzione della τ per cattiva aderenza	0.7	
Dimensione limite fessure w1 §4.1.2.2.4	0.02	[cm]
Dimensione limite fessure w2 §4.1.2.2.4	0.03	[cm]
Dimensione limite fessure w3 §4.1.2.2.4	0.04	[cm]
Fattori parziali di sicurezza unitari per meccanismi duttili di strutture esistenti con		

fattore q	Si
Copriferro secondo EC2	No
αcc elementi nuovi nelle combinazioni sismiche	0.85
αcc elementi esistenti	0.85

Verifiche legno

Normativa	D.M. 17-01-18 (N.T.C.)
γM combinazioni fondamentali massiccio	1.5
γM combinazioni fondamentali lamellare	1.45
γM combinazioni fondamentali unioni	1.5
γM combinazioni eccezionali	1
γM combinazioni esercizio	1
Kmod durata istantaneo, classe 1	1.1
Kmod durata istantaneo, classe 2	1.1
Kmod durata istantaneo, classe 3	0.9
Kmod durata breve, classe 1	0.9
Kmod durata breve, classe 2	0.9
Kmod durata breve, classe 3	0.7
Kmod durata media, classe 1	0.8
Kmod durata media, classe 2	0.8
Kmod durata media, classe 3	0.65
Kmod durata lunga, classe 1	0.7
Kmod durata lunga, classe 2	0.7
Kmod durata lunga, classe 3	0.55
Kmod durata permanente, classe 1	0.6
Kmod durata permanente, classe 2	0.6
Kmod durata permanente, classe 3	0.5
Kdef classe 1	0.6
Kdef classe 2	0.8
Kdef classe 3	2

Verifiche acciaio

Normativa	D.M. 17-01-18 (N.T.C.)
γm0	1.05
γm1	1.05
γm2	1.25
Coefficiente riduttivo per effetto vettoriale	0.7
Calcolo coefficienti C1, C2, C3 per Mcr	automatico
Coefficienti α, β per flessione deviata	unitari
Verifica semplificata conservativa	si
L/e0 iniziale per profili accoppiati compressi	500
Metodo semplificato formula (4.2.82)	si
Escludi § 6.2.6.7 EN 1993-1-8:2005 + AC:2009 in 7.5.4.3-7.5.4.5	si
Applica Nota 1 del prospetto 6.2	si
Riduzione fy per tubi tondi di classe 4	no
Limite spostamento relativo interpiano e monopiano colonne	0.00333
Limite spostamento relativo complessivo multipiano colonne	0.002
Considera taglio resistente estremità sagomati	no
Fattori parziali di sicurezza unitari per meccanismi duttili di strutture esistenti con fattore q	si

Verifiche alluminio

Normativa	D.M. 17-01-18 (N.T.C.)
γm1	1.15
γm2	1.25

Verifiche pannelli gessofibra

Normativa	EN 1995-1-1:2004 +AC:2006 + A1:2008 + A2:2014; ETA-03/0050; ETA-07/0086; ETA-08/0147
a	7
b	-0.7
c	0.9
Kmod durata istantaneo, classe 1	1.1
Kmod durata istantaneo, classe 2	0.8
Kmod durata breve, classe 1	0.8
Kmod durata breve, classe 2	0.6
Kmod durata media, classe 1	0.6
Kmod durata media, classe 2	0.45
Kmod durata lunga, classe 1	0.4
Kmod durata lunga, classe 2	0.3
Kmod durata permanente, classe 1	0.2
Kmod durata permanente, classe 2	0.15

5.1.2 Eccentricità accidentali

***Quota**: Livello o falda a cui si riferisce l'eccentricità.*
***Eccentricità X**: Eccentricità X per sisma Y attribuita alla quota. [cm]*
***Eccentricità Y**: Eccentricità Y per sisma X attribuita alla quota. [cm]*

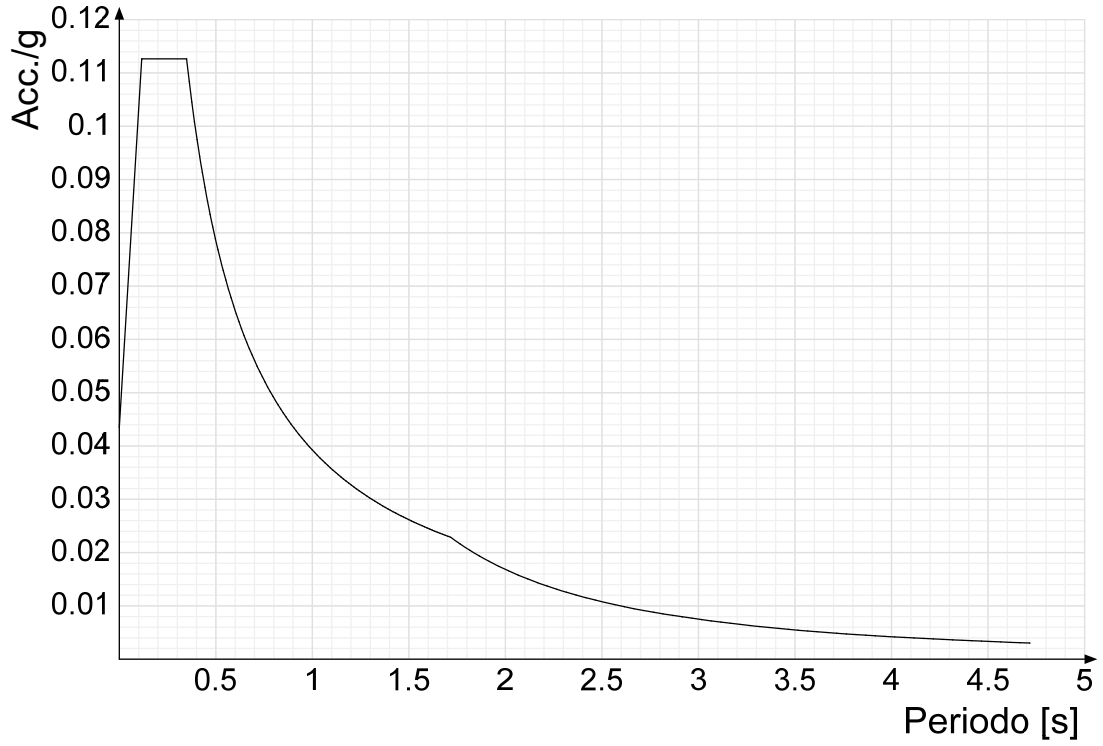
Quota	Eccentricità X	Eccentricità Y
fondo corsa	250	60
Fondazione	250	60
p.lo 1	250	60
Piano 1	250	60
p.lo 2	250	60
Piano 2	250	60
p.lo 3	250	60
Piano 3	250	60
p.lo 4	250	60
Piano 4	250	60
p.lo 5	250	60
Piano 5	250	60
p.lo 6	250	60
Piano 6	250	60
p.lo 7	250	60
Piano 7	250	60
p.lo 8	250	60

Quota	Eccentricità X	Eccentricità Y
Piano 8	250	60
Parapetto 8	250	60
Piano 9	250	60

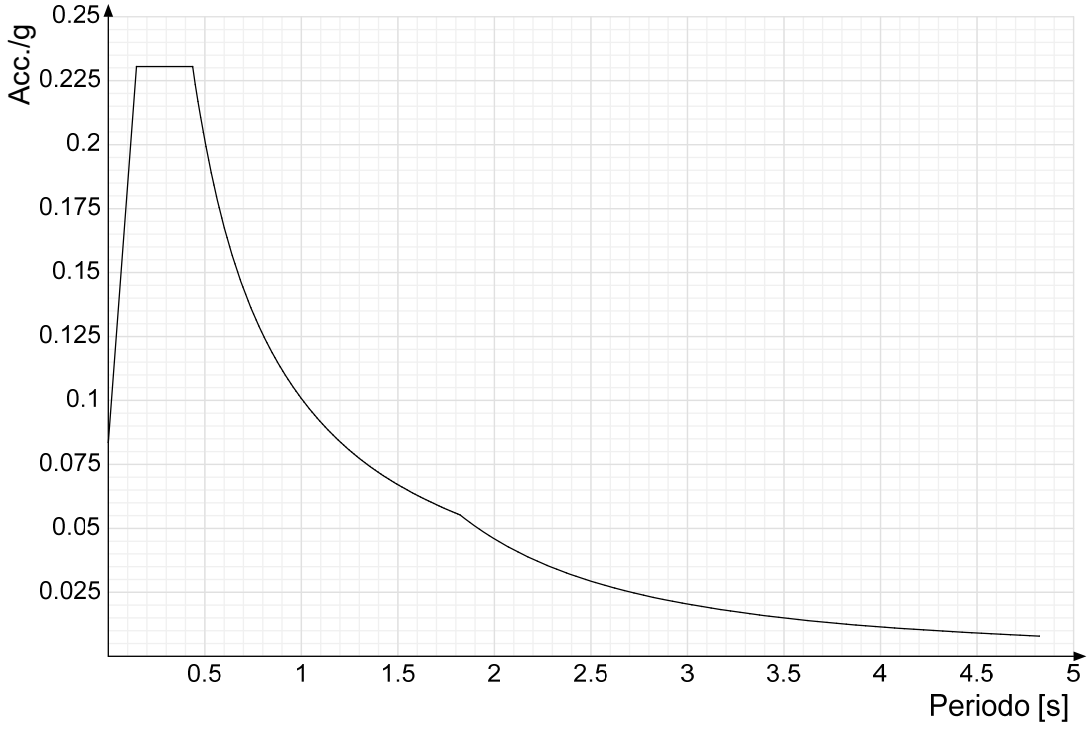
5.1.3 Spettri

***Acc./g**: Accelerazione spettrale normalizzata ottenuta dividendo l'accelerazione spettrale per l'accelerazione di gravità.*
***Periodo**: Periodo di vibrazione.*

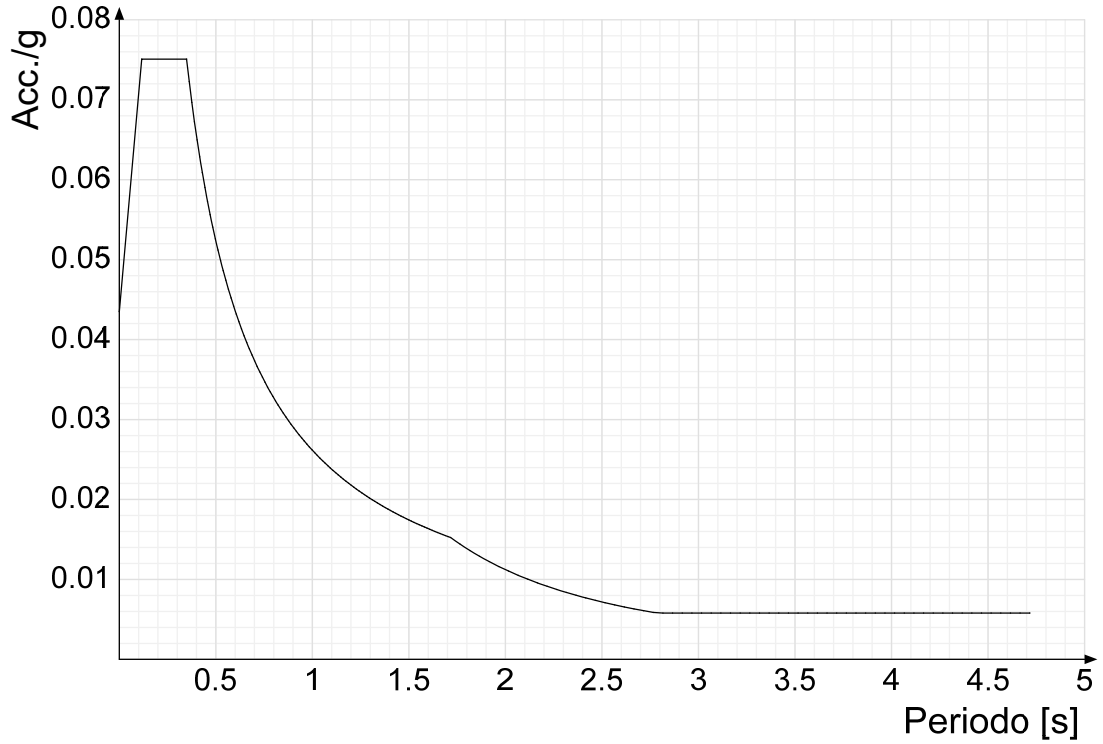
Spettro di risposta elastico in accelerazione delle componenti orizzontali SLD § 3.2.3.2.1 [3.2.2]



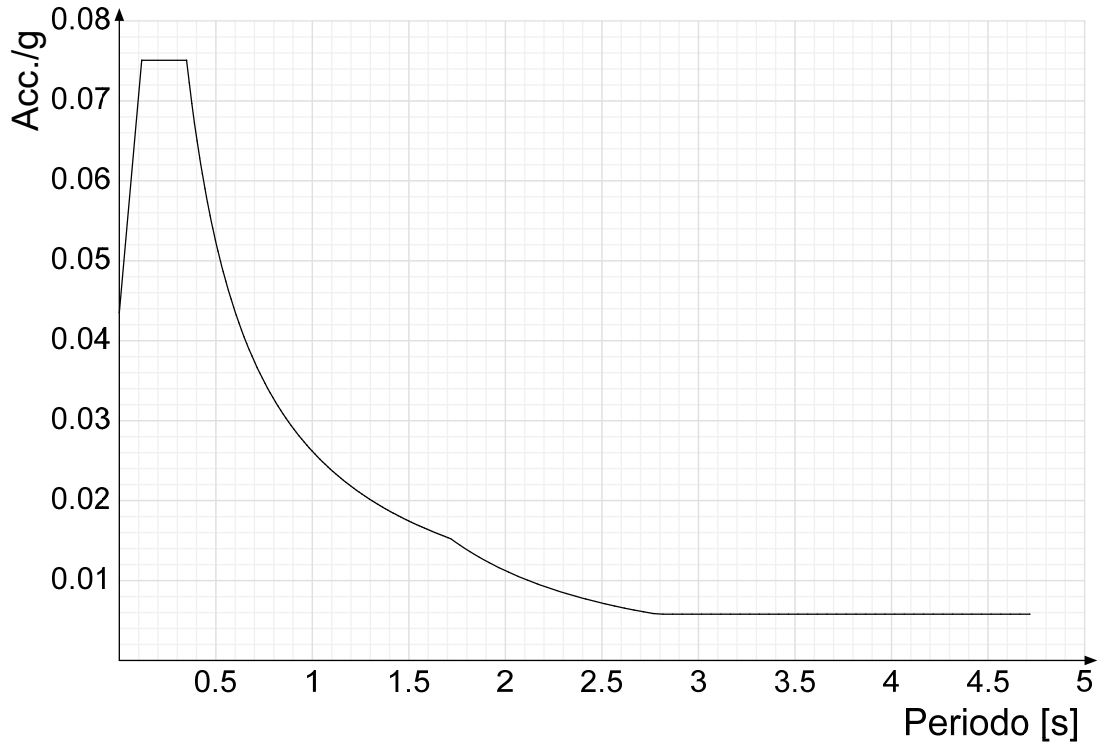
Spettro di risposta elastico in accelerazione delle componenti orizzontali SLV § 3.2.3.2.1 [3.2.2]



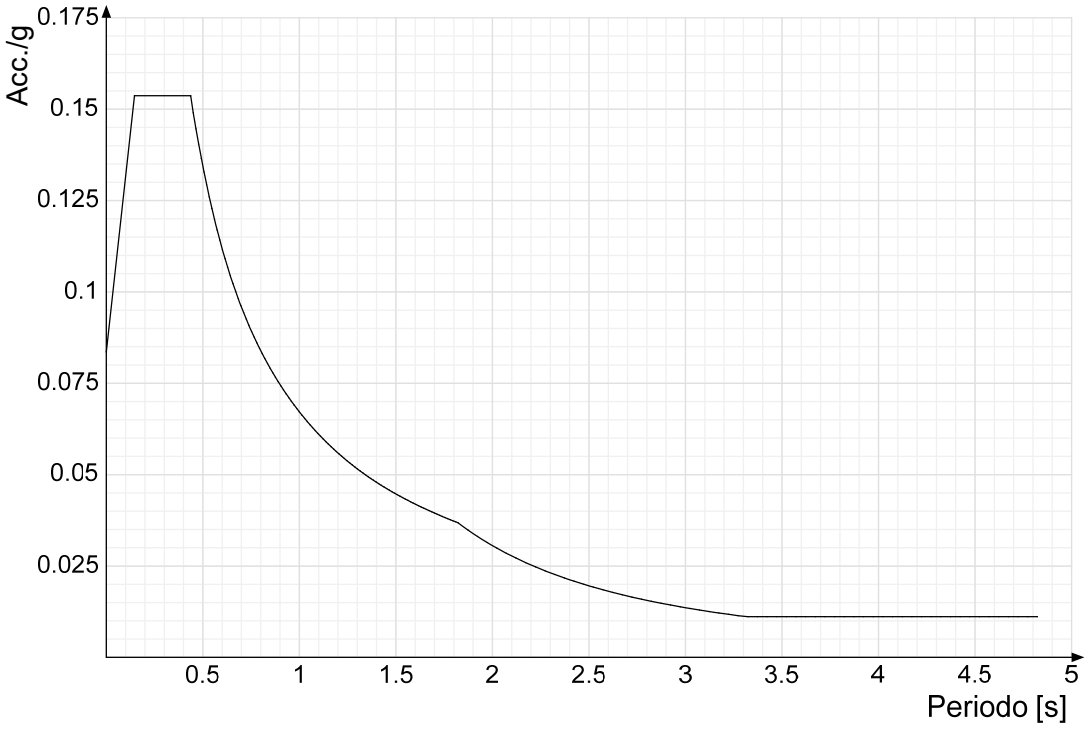
Spettro di risposta di progetto in accelerazione della componente X SLD § 3.2.3.5



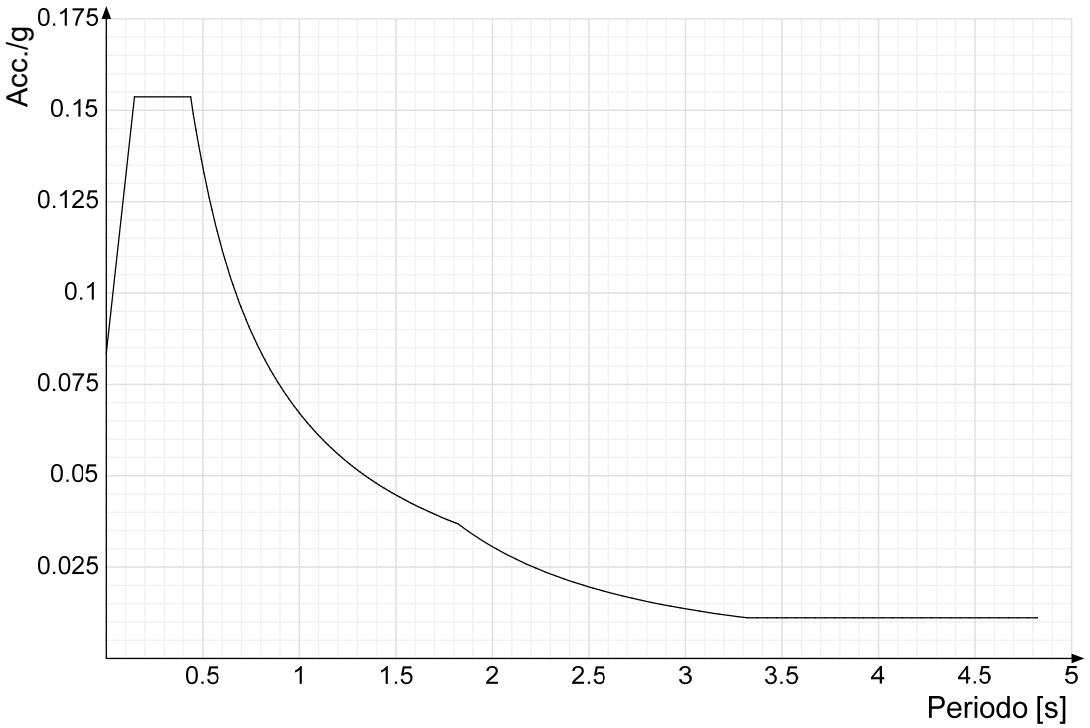
Spettro di risposta di progetto in accelerazione della componente Y SLD § 3.2.3.5



Spettro di risposta di progetto in accelerazione della componente X SLV § 3.2.3.5

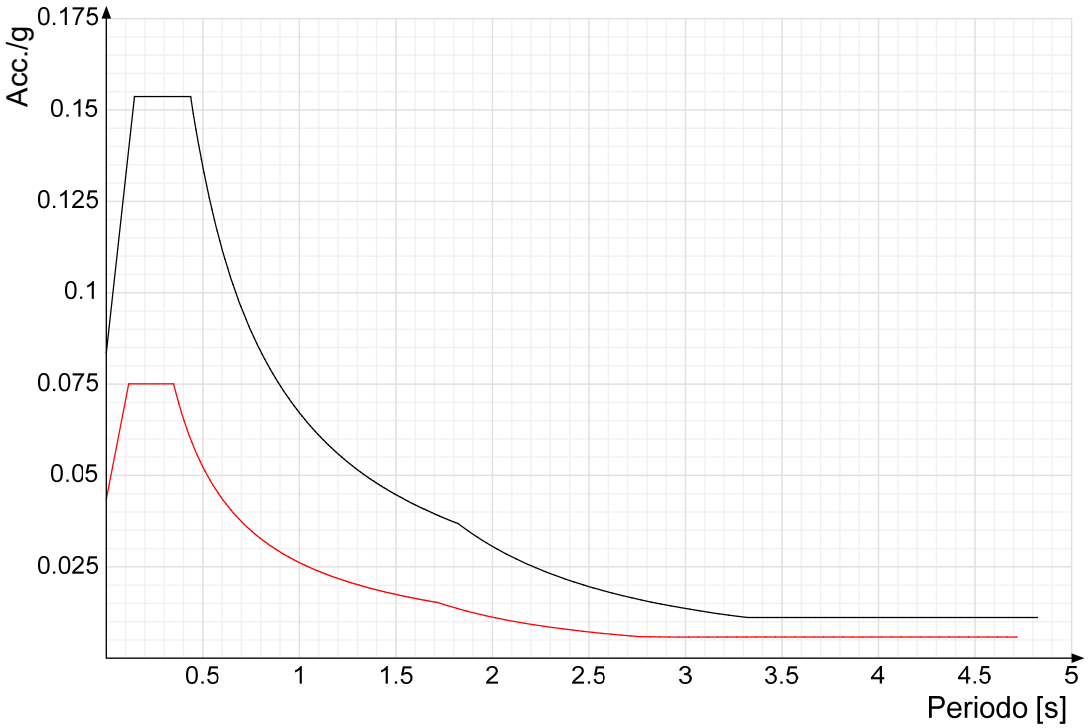


Spettro di risposta di progetto in accelerazione della componente Y SLV § 3.2.3.5

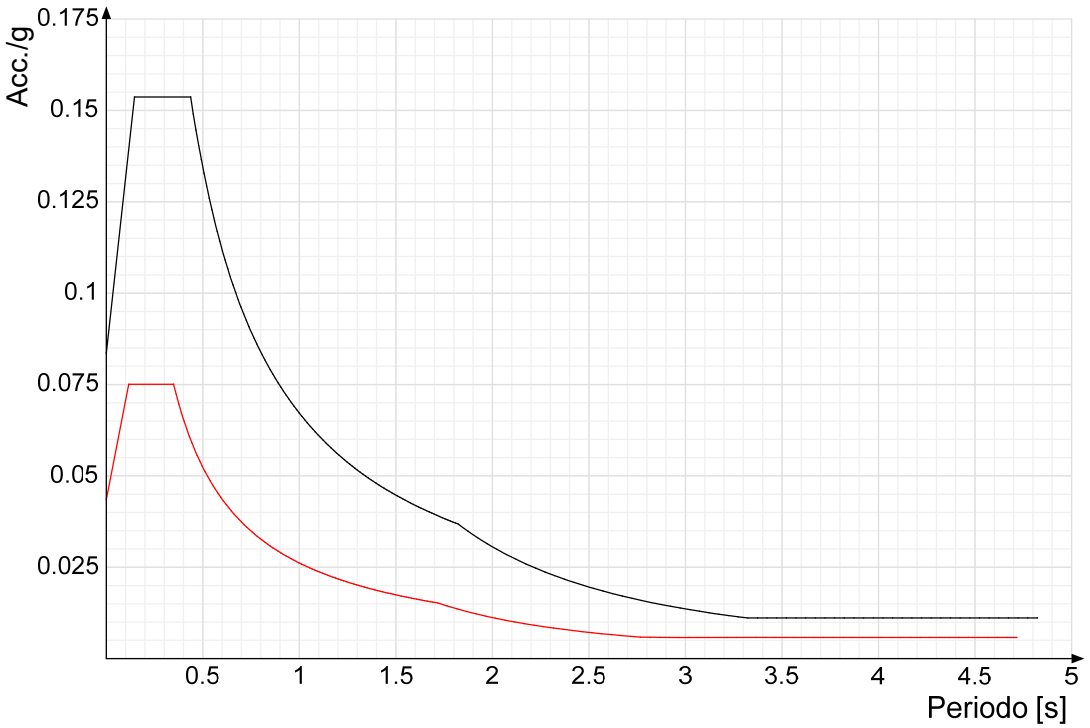


Confronti spettri SLV-SLD

Vengono confrontati lo spettro Spettro di risposta di progetto in accelerazione della componente X SLD § 3.2.3.5 (di colore rosso) e Spettro di risposta di progetto in accelerazione della componente X SLV § 3.2.3.5 (di colore nero).



Vengono confrontati lo spettro Spettro di risposta di progetto in accelerazione della componente Y SLD § 3.2.3.5 (di colore rosso) e Spettro di risposta di progetto in accelerazione della componente Y SLV § 3.2.3.5 (di colore nero).



5.1.4 Preferenze FEM

Dimensione massima ottimale mesh pareti (default)	50	[cm]
Dimensione massima ottimale mesh piastre (default)	50	[cm]
Dimensione massima ottimale suddivisioni archi finestre/porte (default)	50	[cm]
Tipo di mesh dei gusci (default)	Quadrilateri o triangoli	
Tipo di mesh imposta ai gusci	Specifico dell'elemento	
Metodo P-Delta	non utilizzato	
Analisi buckling	non utilizzata	
Rapporto spessore flessionale/membranale gusci muratura verticali	0.2	
Spessori membranale e flessionale pareti XLAM da sole tavole verticali	No	
Moltiplicatore rigidezza connettori pannelli pareti legno a diaframma	1	
Tolleranza di parallelismo	4.99	[deg]
Tolleranza di unicità punti	10	[cm]
Tolleranza generazione nodi di aste	1	[cm]
Tolleranza di parallelismo in suddivisione aste	4.99	[deg]
Tolleranza generazione nodi di gusci	4	[cm]
Tolleranza eccentricità carichi concentrati	100	[cm]

Considera deformabilità a taglio negli elementi guscio	No
Modello elastico pareti in muratura	Gusci
Concentra masse pareti nei vertici	No
Segno risultati analisi spettrale	Analisi statica
Metodo di risoluzione della matrice	Intel MKL PARDISO
Scrivi commenti nel file di input	No
Scrivi file di output in formato testo	No
Solidi colle e corpi ruvidi (default)	Solidi reali
Moltiplicatore rigidezza molla torsionale applicata ad aste di fondazione	1
Modello trave su suolo alla Winkler nel caso di modellazione lineare	Equilibrio elastico
Numero di modi di vibrare da ricercare	20
Algoritmo di analisi modale	Proiezione nel sottospazio totale
Algoritmo di combinazione modale	CQC

5.1.5 Moltiplicatori inerziali

***Tipologia**: tipo di entità a cui si riferiscono i moltiplicatori inerziali.*
***J2**: moltiplicatore inerziale di J2. Il valore è adimensionale.*
***J3**: moltiplicatore inerziale di J3. Il valore è adimensionale.*
***Jt**: moltiplicatore inerziale di Jt. Il valore è adimensionale.*
***A**: moltiplicatore dell'area della sezione. Il valore è adimensionale.*
***A2**: moltiplicatore dell'area a taglio in direzione 2. Il valore è adimensionale.*
***A3**: moltiplicatore dell'area a taglio in direzione 3. Il valore è adimensionale.*
***Conci rigidi**: fattore di riduzione dei tronchi rigidi. Il valore è adimensionale.*

Tipologia	J2	J3	Jt	A	A2	A3	Conci rigidi
Trave C.A.	1	1	0.01	1	1	1	0.5
Pilastro C.A.	1	1	0.01	1	1	1	0.5
Trave di fondazione	1	1	0.01	1	1	1	0.5
Palo	1	1	0.01	1	1	1	0
Trave in legno	1	1	1	1	1	1	1
Colonna in legno	1	1	1	1	1	1	1
Trave in acciaio	1	1	1	1	1	1	1
Colonna in acciaio	1	1	1	1	1	1	1
Trave di reticolare in acciaio	1	1	1	1	1	1	1
Maschio in muratura	0	1	0	1	1	1	1
Pilastro in muratura	1	1	0.01	1	1	1	0.5
Trave di accoppiamento in muratura	0	1	0	1	1	1	1
Trave di scala C.A. nervata	1	1	1	1	1	1	0.5
Trave tralicciata	1	1	0.01	1	1	1	0.5

5.1.6 Preferenze di analisi non lineare FEM

Metodo iterativo	Secante
Tolleranza iterazione	0.00001
Numero massimo iterazioni	50

5.1.7 Preferenze di analisi carichi superficiali

Detrazione peso proprio solai nelle zone di sovrapposizione	non applicata	
Metodo di ripartizione	a zone d'influenza	
Percentuale carico calcolato a trave continua	0	
Esegui smoothing diagrammi di carico	applicata	
Tolleranza smoothing altezza trapezi	0.001	[daN/cm]
Tolleranza smoothing altezza media trapezi	0.001	[daN/cm]

5.2 Azioni e carichi

5.2.1 Condizioni elementari di carico

***Descrizione**: nome assegnato alla condizione elementare.*
***Nome breve**: nome breve assegnato alla condizione elementare.*
***Durata**: descrive la durata della condizione (necessario per strutture in legno).*
***ψ0**: coefficiente moltiplicatore ψ0. Il valore è adimensionale.*
***ψ1**: coefficiente moltiplicatore ψ1. Il valore è adimensionale.*
***ψ2**: coefficiente moltiplicatore ψ2. Il valore è adimensionale.*
***Con segno**: descrive se la condizione elementare ha la possibilità di variare di segno.*

Descrizione	Nome breve	Durata	ψ0	ψ1	ψ2	Con segno
Pesi strutturali	Pesi	Permanente				
Permanenti portati	Port.	Permanente				
Accidentali	Accidentali	Media	0.7	0.5	0.3	
neve	neve	Breve	0.5	0.2	0	
ΔT	ΔT	Media	0.6	0.5	0	No
Sisma X SLV	SLV X					
Sisma Y SLV	SLV Y					
Sisma Z SLV	SLV Z					
Eccentricità Y per sisma X SLV	EySx SLV					
Eccentricità X per sisma Y SLV	ExSy SLV					
Sisma X SLD	X SLD					
Sisma Y SLD	Y SLD					
Sisma Z SLD	Z SLD					
Eccentricità Y per sisma X SLD	EySx SLD					
Eccentricità X per sisma Y SLD	ExSy SLD					
Terreno sisma X SLV	Tr sLV X					
Terreno sisma Y SLV	Tr sLV Y					
Terreno sisma Z SLV	Tr sLV Z					
Terreno sisma X SLD	Tr x SLD					
Terreno sisma Y SLD	Tr y SLD					
Terreno sisma Z SLD	Tr z SLD					
Rig Ux	Rig Ux					
Rig Uy	Rig Uy					

Descrizione	Nome breve	Durata	ψ0	ψ1	ψ2	Con segno
Rig Rz	Rig Rz					

5.2.2 Combinazioni di carico

***Nome**: E' il nome esteso che contraddistingue la condizione elementare di carico.*
***Nome breve**: E' il nome compatto della condizione elementare di carico, che viene utilizzato altrove nella relazione.*
***Pesi**: Pesi strutturali*
***Port.**: Permanenti portati*
***Accidentali**: Accidentali*
***neve**: neve*
***ΔT**: ΔT*
***X SLD**: Sisma X SLD*
***Y SLD**: Sisma Y SLD*
***Z SLD**: Sisma Z SLD*
***EySx SLD**: Eccentricità Y per sisma X SLD*
***ExSy SLD**: Eccentricità X per sisma Y SLD*
***Tr x SLD**: Terreno sisma X SLD*
***Tr y SLD**: Terreno sisma Y SLD*
***Tr z SLD**: Terreno sisma Z SLD*
***SLV X**: Sisma X SLV*
***SLV Y**: Sisma Y SLV*
***SLV Z**: Sisma Z SLV*
***EySx SLV**: Eccentricità Y per sisma X SLV*
***ExSy SLV**: Eccentricità X per sisma Y SLV*
***Tr sLV X**: Terreno sisma X SLV*
***Tr sLV Y**: Terreno sisma Y SLV*
***Tr sLV Z**: Terreno sisma Z SLV*
***Rig Ux**: Rig Ux*
***Rig Uy**: Rig Uy*
***Rig Rz**: Rig Rz*
Tutte le combinazioni di carico vengono raggruppate per famiglia di appartenenza. Le celle di una riga contengono i coefficienti moltiplicatori della i-esima combinazione, dove il valore della prima cella è da intendersi come moltiplicatore associato alla prima condizione elementare, la seconda cella si riferisce alla seconda condizione elementare e così via.

Famiglia SLU

Il nome compatto della famiglia è SLU.

Nome	Nome breve	Pesi	Port.	Accidentali	neve	ΔT
1	SLU 1	1	0.8	0	0	0
2	SLU 2	1	0.8	0	0	1.5
3	SLU 3	1	0.8	0	0.75	1.5
4	SLU 4	1	0.8	0	1.5	0
5	SLU 5	1	0.8	0	1.5	0.9
6	SLU 6	1	0.8	1.05	0	1.5
7	SLU 7	1	0.8	1.05	0.75	1.5
8	SLU 8	1	0.8	1.05	1.5	0
9	SLU 9	1	0.8	1.05	1.5	0.9
10	SLU 10	1	0.8	1.5	0	0
11	SLU 11	1	0.8	1.5	0	0.9
12	SLU 12	1	0.8	1.5	0.75	0
13	SLU 13	1	0.8	1.5	0.75	0.9
14	SLU 14	1	1.5	0	0	0
15	SLU 15	1	1.5	0	0	1.5
16	SLU 16	1	1.5	0	0.75	1.5
17	SLU 17	1	1.5	0	1.5	0
18	SLU 18	1	1.5	0	1.5	0.9
19	SLU 19	1	1.5	1.05	0	1.5
20	SLU 20	1	1.5	1.05	0.75	1.5
21	SLU 21	1	1.5	1.05	1.5	0
22	SLU 22	1	1.5	1.05	1.5	0.9
23	SLU 23	1	1.5	1.5	0	0
24	SLU 24	1	1.5	1.5	0	0.9
25	SLU 25	1	1.5	1.5	0.75	0
26	SLU 26	1	1.5	1.5	0.75	0.9
27	SLU 27	1.3	0.8	0	0	0
28	SLU 28	1.3	0.8	0	0	1.5
29	SLU 29	1.3	0.8	0	0.75	1.5
30	SLU 30	1.3	0.8	0	1.5	0
31	SLU 31	1.3	0.8	0	1.5	0.9
32	SLU 32	1.3	0.8	1.05	0	1.5
33	SLU 33	1.3	0.8	1.05	0.75	1.5
34	SLU 34	1.3	0.8	1.05	1.5	0
35	SLU 35	1.3	0.8	1.05	1.5	0.9
36	SLU 36	1.3	0.8	1.5	0	0
37	SLU 37	1.3	0.8	1.5	0	0.9
38	SLU 38	1.3	0.8	1.5	0.75	0
39	SLU 39	1.3	0.8	1.5	0.75	0.9
40	SLU 40	1.3	1.5	0	0	0
41	SLU 41	1.3	1.5	0	0	1.5
42	SLU 42	1.3	1.5	0	0.75	1.5
43	SLU 43	1.3	1.5	0	1.5	0
44	SLU 44	1.3	1.5	0	1.5	0.9
45	SLU 45	1.3	1.5	1.05	0	1.5
46	SLU 46	1.3	1.5	1.05	0.75	1.5
47	SLU 47	1.3	1.5	1.05	1.5	0
48	SLU 48	1.3	1.5	1.05	1.5	0.9
49	SLU 49	1.3	1.5	1.5	0	0
50	SLU 50	1.3	1.5	1.5	0	0.9
51	SLU 51	1.3	1.5	1.5	0.75	0
52	SLU 52	1.3	1.5	1.5	0.75	0.9

Famiglia SLE rara

Il nome compatto della famiglia è SLE RA.

Nome	Nome breve	Pesi	Port.	Accidentali	neve	ΔT
1	SLE RA 1	1	1	0	0	0
2	SLE RA 2	1	1	0	0	1
3	SLE RA 3	1	1	0	0.5	1
4	SLE RA 4	1	1	0	1	0
5	SLE RA 5	1	1	0	1	0.6
6	SLE RA 6	1	1	0.7	0	1
7	SLE RA 7	1	1	0.7	0.5	1
8	SLE RA 8	1	1	0.7	1	0
9	SLE RA 9	1	1	0.7	1	0.6
10	SLE RA 10	1	1	1	0	0
11	SLE RA 11	1	1	1	0	0.6
12	SLE RA 12	1	1	1	0.5	0
13	SLE RA 13	1	1	1	0.5	0.6

Famiglia SLE frequente

Il nome compatto della famiglia è SLE FR.

Nome	Nome breve	Pesi	Port.	Accidentali	neve	ΔT
1	SLE FR 1	1	1	0	0	0
2	SLE FR 2	1	1	0	0	0.5
3	SLE FR 3	1	1	0	0.2	0
4	SLE FR 4	1	1	0.3	0	0.5
5	SLE FR 5	1	1	0.3	0.2	0
6	SLE FR 6	1	1	0.5	0	0

Famiglia SLE quasi permanente

Il nome compatto della famiglia è SLE QP.

Nome	Nome breve	Pesi	Port.	Accidentali	neve	ΔT
1	SLE QP 1	1	1	0	0	0
2	SLE QP 2	1	1	0.3	0	0

Famiglia SLU eccezionale

Il nome compatto della famiglia è SLU EX.

Nome	Nome breve	Pesi	Port.	Accidentali	neve	ΔT

Famiglia SLD

Il nome compatto della famiglia è SLD.

Poiché il numero di condizioni elementari previste per le combinazioni di questa famiglia è cospicuo, la tabella verrà spezzata in più parti.

Nome	Nome breve	Pesi	Port.	Accidentali	neve	ΔT	X SLD	Y SLD
1	SLD 1	1	1	0.3	0	0	-1	-0.3
2	SLD 2	1	1	0.3	0	0	-1	-0.3
3	SLD 3	1	1	0.3	0	0	-1	0.3
4	SLD 4	1	1	0.3	0	0	-1	0.3
5	SLD 5	1	1	0.3	0	0	-0.3	-1
6	SLD 6	1	1	0.3	0	0	-0.3	-1
7	SLD 7	1	1	0.3	0	0	-0.3	1
8	SLD 8	1	1	0.3	0	0	-0.3	1
9	SLD 9	1	1	0.3	0	0	0.3	-1
10	SLD 10	1	1	0.3	0	0	0.3	-1
11	SLD 11	1	1	0.3	0	0	0.3	1
12	SLD 12	1	1	0.3	0	0	0.3	1
13	SLD 13	1	1	0.3	0	0	1	-0.3
14	SLD 14	1	1	0.3	0	0	1	-0.3
15	SLD 15	1	1	0.3	0	0	1	0.3
16	SLD 16	1	1	0.3	0	0	1	0.3

Nome	Nome breve	Z SLD	EySx SLD	ExSy SLD	Tr x SLD	Tr y SLD	Tr z SLD
1	SLD 1	0	-1	0.3	-1	-0.3	0
2	SLD 2	0	1	-0.3	-1	-0.3	0
3	SLD 3	0	-1	0.3	-1	0.3	0
4	SLD 4	0	1	-0.3	-1	0.3	0
5	SLD 5	0	-0.3	1	-0.3	-1	0
6	SLD 6	0	0.3	-1	-0.3	-1	0
7	SLD 7	0	-0.3	1	-0.3	1	0
8	SLD 8	0	0.3	-1	-0.3	1	0
9	SLD 9	0	-0.3	1	0.3	-1	0
10	SLD 10	0	0.3	-1	0.3	-1	0
11	SLD 11	0	-0.3	1	0.3	1	0
12	SLD 12	0	0.3	-1	0.3	1	0
13	SLD 13	0	-1	0.3	1	-0.3	0
14	SLD 14	0	1	-0.3	1	-0.3	0
15	SLD 15	0	-1	0.3	1	0.3	0
16	SLD 16	0	1	-0.3	1	0.3	0

Famiglia SLV

Il nome compatto della famiglia è SLV.

Poiché il numero di condizioni elementari previste per le combinazioni di questa famiglia è cospicuo, la tabella verrà spezzata in più parti.

Nome	Nome breve	Pesi	Port.	Accidentali	neve	ΔT	SLV X	SLV Y
1	SLV 1	1	1	0.3	0	0	-1	-0.3
2	SLV 2	1	1	0.3	0	0	-1	-0.3
3	SLV 3	1	1	0.3	0	0	-1	0.3
4	SLV 4	1	1	0.3	0	0	-1	0.3
5	SLV 5	1	1	0.3	0	0	-0.3	-1
6	SLV 6	1	1	0.3	0	0	-0.3	-1
7	SLV 7	1	1	0.3	0	0	-0.3	1
8	SLV 8	1	1	0.3	0	0	-0.3	1
9	SLV 9	1	1	0.3	0	0	0.3	-1
10	SLV 10	1	1	0.3	0	0	0.3	-1
11	SLV 11	1	1	0.3	0	0	0.3	1
12	SLV 12	1	1	0.3	0	0	0.3	1
13	SLV 13	1	1	0.3	0	0	1	-0.3
14	SLV 14	1	1	0.3	0	0	1	-0.3

Nome	Nome breve	Pesi	Port.	Accidentali	neve	ΔT	SLV X	SLV Y
15	**SLV 15**	1	1	0.3	0	0	1	0.3
16	**SLV 16**	1	1	0.3	0	0	1	0.3

Nome	Nome breve	SLV Z	EySx SLV	ExSy SLV	Tr sLV X	Tr sLV Y	Tr sLV Z
1	**SLV 1**	0	-1	0.3	-1	-0.3	0
2	**SLV 2**	0	1	-0.3	-1	-0.3	0
3	**SLV 3**	0	-1	0.3	-1	0.3	0
4	**SLV 4**	0	1	-0.3	-1	0.3	0
5	**SLV 5**	0	-0.3	1	-0.3	-1	0
6	**SLV 6**	0	0.3	-1	-0.3	-1	0
7	**SLV 7**	0	-0.3	1	-0.3	1	0
8	**SLV 8**	0	0.3	-1	-0.3	1	0
9	**SLV 9**	0	-0.3	1	0.3	-1	0
10	**SLV 10**	0	0.3	-1	0.3	-1	0
11	**SLV 11**	0	-0.3	1	0.3	1	0
12	**SLV 12**	0	0.3	-1	0.3	1	0
13	**SLV 13**	0	-1	0.3	1	-0.3	0
14	**SLV 14**	0	1	-0.3	1	-0.3	0
15	**SLV 15**	0	-1	0.3	1	0.3	0
16	**SLV 16**	0	1	-0.3	1	0.3	0

Famiglia Calcolo rigidezza torsionale/flessionale di piano

Il nome compatto della famiglia è CRTFP.

Nome	Nome breve	Rig Ux	Rig Uy	Rig Rz
Rig. Ux+	**CRTFP Ux+**	1	0	0
Rig. Ux-	**CRTFP Ux-**	-1	0	0
Rig. Uy+	**CRTFP Uy+**	0	1	0
Rig. Uy-	**CRTFP Uy-**	0	-1	0
Rig. Rz+	**CRTFP Rz+**	0	0	1
Rig. Rz-	**CRTFP Rz-**	0	0	-1

5.2.3 Definizioni di carichi lineari

***Nome**: nome identificativo della definizione di carico.*
***Valori**: valori associati alle condizioni di carico.*
***Condizione**: condizione di carico a cui sono associati i valori.*
***Descrizione**: nome assegnato alla condizione elementare.*
***Fx i.**: valore iniziale della forza, per unità di lunghezza, agente in direzione X. [daN/cm]*
***Fx f.**: valore finale della forza, per unità di lunghezza, agente in direzione X. [daN/cm]*
***Fy i.**: valore iniziale della forza, per unità di lunghezza, agente in direzione Y. [daN/cm]*
***Fy f.**: valore finale della forza, per unità di lunghezza, agente in direzione Y. [daN/cm]*
***Fz i.**: valore iniziale della forza, per unità di lunghezza, agente in direzione Z. [daN/cm]*
***Fz f.**: valore finale della forza, per unità di lunghezza, agente in direzione Z. [daN/cm]*
***Mx i.**: valore iniziale della coppia, per unità di lunghezza, agente attorno l'asse X. [daN]*
***Mx f.**: valore finale della coppia, per unità di lunghezza, agente attorno l'asse X. [daN]*
***My i.**: valore iniziale della coppia, per unità di lunghezza, agente attorno l'asse Y. [daN]*
***My f.**: valore finale della coppia, per unità di lunghezza, agente attorno l'asse Y. [daN]*
***Mz i.**: valore iniziale della coppia, per unità di lunghezza, agente attorno l'asse Z. [daN]*
***Mz f.**: valore finale della coppia, per unità di lunghezza, agente attorno l'asse Z. [daN]*

Nome	Valori											
	Condizione	Fx i.	Fx f.	Fy i.	Fy f.	Fz i.	Fz f.	Mx i.	Mx f.	My i.	My f.	Mz i.	Mz f.
	Descrizione												
muri	Pesi strutturali	0	0	0	0	0	0	0	0	0	0	0	0
	Permanenti portati	0	0	0	0	-8	-8	0	0	0	0	0	0
	Accidentali	0	0	0	0	0	0	0	0	0	0	0	0
	neve	0	0	0	0	0	0	0	0	0	0	0	0
30x60	Pesi strutturali	0	0	0	0	0	0	0	0	0	0	0	0
	Permanenti portati	0	0	0	0	0	0	0	0	0	0	0	0
	Accidentali	0	0	0	0	0	0	0	0	0	0	0	0
	neve	0	0	0	0	0	0	0	0	0	0	0	0
30x50	Pesi strutturali	0	0	0	0	0	0	0	0	0	0	0	0
	Permanenti portati	0	0	0	0	0	0	0	0	0	0	0	0
	Accidentali	0	0	0	0	0	0	0	0	0	0	0	0
	neve	0	0	0	0	0	0	0	0	0	0	0	0
30x30	Pesi strutturali	0	0	0	0	0	0	0	0	0	0	0	0
	Permanenti portati	0	0	0	0	0	0	0	0	0	0	0	0
	Accidentali	0	0	0	0	0	0	0	0	0	0	0	0
	neve	0	0	0	0	0	0	0	0	0	0	0	0
scala	Pesi strutturali	0	0	0	0	0	0	0	0	0	0	0	0
	Permanenti portati	0	0	0	0	-5	-5	0	0	0	0	0	0
	Accidentali	0	0	0	0	-5	-5	0	0	0	0	0	0
	neve	0	0	0	0	0	0	0	0	0	0	0	0

5.2.4 Definizioni di carichi superficiali

***Nome**: nome identificativo della definizione di carico.*
***Valori**: valori associati alle condizioni di carico.*
***Condizione**: condizione di carico a cui sono associati i valori.*
***Descrizione**: nome assegnato alla condizione elementare.*
***Valore**: valore del carico per unità di superficie, nel caso il tipo sia "Verticale", "Verticale in proiezione", "Normale alla superficie". [daN/cm²]*
***Cp vento**: valore del coefficiente di pressione Cp, nel caso il tipo sia "Cp vento". Il valore è adimensionale.*
***Tipo**: tipo di carico.*

Nome	Valori			
	Condizione	Valore	Cp vento	Tipo
	Descrizione			
Interni	Pesi strutturali	0		Verticale
	Permanenti portati	0.04		Verticale
	Accidentali	0.02		Verticale
	neve	0		Verticale

Nome	Valori			
	Condizione	Valore	Cp vento	Tipo
	Descrizione			
Balconi	Pesi strutturali	0		Verticale
	Permanenti portati	0.03		Verticale
	Accidentali	0.04		Verticale
	neve	0		Verticale
Scale	Pesi strutturali	0		Verticale
	Permanenti portati	0.03		Verticale
	Accidentali	0.04		Verticale
	neve	0		Verticale
Copertura scale	Pesi strutturali	0		Verticale
	Permanenti portati	0.01		Verticale
	Accidentali	0.005		Verticale
	neve	0.015		Verticale
Copertura cantine	Pesi strutturali	0		Verticale
	Permanenti portati	0.03		Verticale
	Accidentali	0.02		Verticale
	neve	0.015		Verticale
Grigliato	Pesi strutturali	0.01		Verticale
	Permanenti portati	0.02		Verticale
	Accidentali	0.02		Verticale
	neve	0		Verticale

5.2.5 Definizioni di carichi termici

***Nome**: nome identificativo della definizione di carico.*
***ΔT faccia interna**: variazione di temperatura della faccia interna dell'elemento rispetto alla temperatura di costruzione. [°C]*
***ΔT faccia esterna**: variazione di temperatura della faccia esterna dell'elemento rispetto alla temperatura di costruzione. [°C]*

Nome	ΔT faccia interna	ΔT faccia esterna
Termico	10	10

5.3 Quote

5.3.1 Livelli

***Descrizione breve**: nome sintetico assegnato al livello.*
***Descrizione**: nome assegnato al livello.*
***Quota**: quota superiore espressa nel sistema di riferimento assoluto. [cm]*
***Spessore**: spessore del livello. [cm]*

Descrizione breve	Descrizione	Quota	Spessore
L1	fondo corsa	-220	40
L2	Fondazione	-140	65
L3	p.lo 1	200	20
L4	Piano 1	380	20
L5	p.lo 2	535	20
L6	Piano 2	690	20
L7	p.lo 3	845	20
L8	Piano 3	1000	20
L9	p.lo 4	1155	20
L10	Piano 4	1310	20
L11	p.lo 5	1465	20
L12	Piano 5	1620	20
L13	p.lo 6	1775	20
L14	Piano 6	1930	20
L15	p.lo 7	2085	20
L16	Piano 7	2240	20
L17	p.lo 8	2395	20
L18	Piano 8	2550	20
L19	Parapetto 8	2680	20
L20	Piano 9	2860	20

5.3.2 Tronchi

***Descrizione breve**: nome sintetico assegnato al tronco.*
***Descrizione**: nome assegnato al tronco.*
***Quota 1**: riferimento della prima quota di definizione del tronco. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Quota 2**: riferimento della seconda quota di definizione del tronco. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*

Descrizione breve	Descrizione	Quota 1	Quota 2
T1	Fondazione - Piano 1	Fondazione	Piano 1
T2	Piano 1 - Piano 2	Piano 1	Piano 2
T3	Piano 2 - Piano 3	Piano 2	Piano 3
T4	Piano 3 - Piano 4	Piano 3	Piano 4
T5	Piano 4 - Piano 5	Piano 4	Piano 5
T6	Piano 5 - Piano 6	Piano 5	Piano 6
T7	Piano 6 - Piano 7	Piano 6	Piano 7
T8	Piano 7 - Piano 8	Piano 7	Piano 8
T9	Piano 8 - Piano 9	Piano 8	Piano 9
T10	Piano 8 - Parapetto 8	Piano 8	Parapetto 8
T11	fondo corsa - Fondazione	fondo corsa	Fondazione

5.4 Elementi di input

5.4.1 Travi C.A.

5.4.1.1 Travi C.A. di piano

***Sezione**: riferimento ad una definizione di sezione C.A..*
***P.i.**: posizione dei punti d'inserimento rispetto alla geometria della sezione. SA=Sinistra anima, CA=Centro anima, DA=Destra anima*
***Liv.**: quota del punto di inserimento iniziale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Punto i.**: punto di inserimento iniziale.*
  ***X**: coordinata X. [cm]*
  ***Y**: coordinata Y. [cm]*
***Punto f.**: punto di inserimento finale.*
  ***X**: coordinata X. [cm]*
  ***Y**: coordinata Y. [cm]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [cm]*
***Mat.**: riferimento ad una definizione di materiale calcestruzzo.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***P.lin.**: peso per unità di lunghezza. [daN/cm]*

Sezione	P.i.	Liv.	Punto i.		Punto f.		Estr.	Mat.	Car.lin.	Sovr.	S.Z	C.i.	C.f.	P.lin.
			X	Y	X	Y								
R 30x40	CA	L14	5200	0	5200	813	0	C30/37	Nessuno; G	0	No	No	No	3
R 30x40	CA	L14	5553	0	5553	813	0	C30/37	Nessuno; G	0	No	No	No	3

5.4.1.2 Travi C.A. tra quote

***Sezione**: riferimento ad una definizione di sezione C.A..*
***P.i.**: posizione dei punti d'inserimento rispetto alla geometria della sezione. SA=Sinistra anima, CA=Centro anima, DA=Destra anima*
***Quota i.**: quota del punto di inserimento iniziale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Quota f.**: quota del punto di inserimento finale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Punto i.**: punto di inserimento iniziale.*
  ***X**: coordinata X. [cm]*
  ***Y**: coordinata Y. [cm]*
***Punto f.**: punto di inserimento finale.*
  ***X**: coordinata X. [cm]*
  ***Y**: coordinata Y. [cm]*
***Mat.**: riferimento ad una definizione di materiale calcestruzzo.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***P.lin.**: peso per unità di lunghezza. [daN/cm]*

Sezione	P.i.	Quota i.	Quota f.	Punto i.		Punto f.		Mat.	Car.lin.	Sovr.	S.Z	C.i.	C.f.	P.lin.
				X	Y	X	Y							
R 130x20	CA	L3	L2	5466.5	160	5466.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L3	L4	5286.5	160	5286.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L5	L6	5286.5	160	5286.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L5	L4	5466.5	160	5466.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L7	L8	5286.5	160	5286.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L7	L6	5466.5	160	5466.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L9	L10	5286.5	160	5286.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L9	L8	5466.5	160	5466.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L11	L12	5286.5	160	5286.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L11	L10	5466.5	160	5466.5	373	C30/37	scala; G	0	No	No	No	6.5

5.4.2 Travi in acciaio

5.4.2.1 Travi in acciaio di piano

***Sezione**: sezione in acciaio.*
***P.i.**: posizione dei punti d'inserimento rispetto alla geometria della sezione. S=Sinistra, C=Centro, D=Destra*
***Liv.**: quota del punto di inserimento iniziale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Punto i.**: punto di inserimento iniziale.*
  ***X**: coordinata X. [cm]*
  ***Y**: coordinata Y. [cm]*
***Punto f.**: punto di inserimento finale.*
  ***X**: coordinata X. [cm]*
  ***Y**: coordinata Y. [cm]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [cm]*
***Mat.**: riferimento ad una definizione di materiale in acciaio.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*

***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***P.lin.**: peso per unità di lunghezza. [daN/cm]*
***Cal.**: descrizione sintetica dell'eventuale calastrello della sezione accoppiata o composita.*

Sezione	P.i.	Liv.	Punto i.		Punto f.		Estr.	Mat.	Car.lin.	Sovr.	S.Z	C.i.	C.f.	P.lin.	Cal.
			X	Y	X	Y									
HEA100	C	L8	5415	903	5415	818	0	S275	Nessuno; G	0	No	No	No	0.2	
HEA100	C	L8	5505	903	5505	818	0	S275	Nessuno; G	0	No	No	No	0.2	
HEA100	C	L10	5415	903	5415	818	0	S275	Nessuno; G	0	No	No	No	0.2	
HEA100	C	L10	5505	903	5505	818	0	S275	Nessuno; G	0	No	No	No	0.2	
HEA100	C	L14	5215	0	5538	0	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L14	5215	100	5538	100	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L14	5215	200	5538	200	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L14	5215	300	5538	300	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L14	5215	400	5538	400	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L14	5215	500	5538	500	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L14	5215	600	5538	600	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L14	5215	800	5538	800	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L14	5215	700	5538	700	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	

5.4.3 Pilastri C.A.

***Tr.**: riferimento al tronco indicante la quota inferiore e superiore.*
***Sezione**: riferimento ad una definizione di sezione C.A..*
***P.i.**: posizione del punto di inserimento rispetto alla geometria della sezione. SS=Sinistra-sotto, SC=Sinistra-centro, SA=Sinistra-alto, CS=Centro-sotto, CC=Centro-centro, CA=Centro-alto, DS=Destra-sotto, DC=Destra-centro, DA=Destra-alto*
***Punto**: posizione del punto di inserimento rispetto alla geometria della sezione.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Ang.**: angolo misurato dal semiasse positivo delle ascisse in verso antiorario. [deg]*
***Mat.**: riferimento ad una definizione di calcestruzzo.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***P.lin.**: peso per unità di lunghezza. [daN/cm]*
***Corr.**: lista di elementi correlati all'elemento generati durante la modellazione.*

Tr.	Sezione	P.i.	Punto		Ang.	Mat.	Car.lin.	Sovr.	S.Z	C.i.	C.f.	P.lin.	Corr.
			X	Y									
T1	R 30x60	CC	4797	15	270	C30/37	30x60; G	0	No	No	No	4.5	111
T1	R 30x50	CC	4321	448	0	C30/37	30x50; G	0	No	No	No	3.75	109
T1	R 30x50	CC	4321	25	0	C30/37	30x50; G	0	No	No	No	3.75	108
T1	R 30x60	CC	4797	948	270	C30/37	30x60; G	0	No	No	No	4.5	112
T1	R 30x70	CC	4797	448	270	C30/37	Nessuno; G	0	No	No	No	5.25	113
T1	R 30x50	CC	4321	938	0	C30/37	30x50; G	0	No	No	No	3.75	110
T1	R 30x60	CC	5200	30	0	C30/37	30x60; G	0	No	No	No	4.5	12-13
T1	R 30x60	CC	5200	448	0	C30/37	30x60; G	0	No	No	No	4.5	11
T1	R 30x50	CC	6432	25	0	C30/37	30x50; G	0	No	No	No	3.75	1
T1	R 30x50	CC	6432	938	0	C30/37	30x50; G	0	No	No	No	3.75	3
T1	R 30x70	CC	5956	448	90	C30/37	Nessuno; G	0	No	No	No	5.25	10
T1	R 30x60	CC	5553	30	0	C30/37	30x60; G	0	No	No	No	4.5	6-7
T1	R 30x60	CC	5553	933	0	C30/37	30x60; G	0	No	No	No	4.5	5
T1	R 30x60	CC	5553	448	0	C30/37	30x60; G	0	No	No	No	4.5	4
T1	R 30x50	CC	6432	448	0	C30/37	30x50; G	0	No	No	No	3.75	2
T1	R 30x60	CC	5956	948	90	C30/37	30x60; G	0	No	No	No	4.5	9
T1	R 30x60	CC	5956	15	90	C30/37	30x60; G	0	No	No	No	4.5	8
T2	R 30x50	CC	6432	25	0	C30/37	30x50; G	0	No	No	No	3.75	14
T2	R 30x70	CC	4797	448	270	C30/37	Nessuno; G	0	No	No	No	5.25	119
T2	R 30x60	CC	4797	948	270	C30/37	30x60; G	0	No	No	No	4.5	118
T2	R 30x60	CC	4797	15	270	C30/37	30x60; G	0	No	No	No	4.5	117
T2	R 30x50	CC	4321	938	0	C30/37	30x50; G	0	No	No	No	3.75	116
T2	R 30x50	CC	4321	448	0	C30/37	30x50; G	0	No	No	No	3.75	115
T2	R 30x60	CC	5553	933	0	C30/37	30x60; G	0	No	No	No	4.5	18
T2	R 30x50	CC	4321	25	0	C30/37	30x50; G	0	No	No	No	3.75	114
T2	R 30x60	CC	5553	30	0	C30/37	30x60; G	0	No	No	No	4.5	19-20
T2	R 30x50	CC	6432	938	0	C30/37	30x50; G	0	No	No	No	3.75	16
T2	R 30x60	CC	5553	448	0	C30/37	30x60; G	0	No	No	No	4.5	17
T2	R 30x60	CC	5200	30	0	C30/37	30x60; G	0	No	No	No	4.5	25-26
T2	R 30x60	CC	5200	448	0	C30/37	30x60; G	0	No	No	No	4.5	24
T2	R 30x70	CC	5956	448	90	C30/37	Nessuno; G	0	No	No	No	5.25	23
T2	R 30x60	CC	5956	948	90	C30/37	30x60; G	0	No	No	No	4.5	22
T2	R 30x60	CC	5956	15	90	C30/37	30x60; G	0	No	No	No	4.5	21
T2	R 30x50	CC	6432	448	0	C30/37	30x50; G	0	No	No	No	3.75	15
T3	R 30x60	CC	4797	15	270	C30/37	30x60; G	0	No	No	No	4.5	123
T3	R 30x50	CC	4321	25	0	C30/37	30x50; G	0	No	No	No	3.75	120
T3	R 30x50	CC	4321	448	0	C30/37	30x50; G	0	No	No	No	3.75	121
T3	R 30x50	CC	4321	938	0	C30/37	30x50; G	0	No	No	No	3.75	122
T3	R 30x60	CC	4797	948	270	C30/37	30x60; G	0	No	No	No	4.5	124
T3	R 30x60	CC	5553	30	0	C30/37	30x60; G	0	No	No	No	4.5	32-33
T3	R 30x60	CC	5200	448	0	C30/37	30x60; G	0	No	No	No	4.5	37

Tr.	Sezione	P.i.	Punto		Ang.	Mat.	Car.lin.	Sovr.	S.Z	C.i.	C.f.	P.lin.	Corr.
			X	Y									
T3	R 30x60	CC	5956	448	90	C30/37	30x60; G	0	No	No	No	4.5	36
T3	R 30x60	CC	5956	948	90	C30/37	30x60; G	0	No	No	No	4.5	35
T3	R 30x60	CC	5956	15	90	C30/37	30x60; G	0	No	No	No	4.5	34
T3	R 30x60	CC	5553	933	0	C30/37	30x60; G	0	No	No	No	4.5	31
T3	R 30x60	CC	5553	448	0	C30/37	30x60; G	0	No	No	No	4.5	30
T3	R 30x50	CC	6432	938	0	C30/37	30x50; G	0	No	No	No	3.75	29
T3	R 30x50	CC	6432	448	0	C30/37	30x50; G	0	No	No	No	3.75	28
T3	R 30x50	CC	6432	25	0	C30/37	30x50; G	0	No	No	No	3.75	27
T3	R 30x60	CC	4797	448	270	C30/37	30x60; G	0	No	No	No	4.5	125
T3	R 30x60	CC	5200	30	0	C30/37	30x60; G	0	No	No	No	4.5	38-39
T4	R 30x50	CC	4321	25	0	C30/37	30x50; G	0	No	No	No	3.75	126
T4	R 30x50	CC	4321	448	0	C30/37	30x50; G	0	No	No	No	3.75	127
T4	R 30x50	CC	4321	938	0	C30/37	30x50; G	0	No	No	No	3.75	128
T4	R 30x50	CC	4797	15	270	C30/37	30x50; G	0	No	No	No	3.75	129
T4	R 30x50	CC	4797	948	270	C30/37	30x50; G	0	No	No	No	3.75	130
T4	R 30x60	CC	5553	30	0	C30/37	30x60; G	0	No	No	No	4.5	45-46
T4	R 30x50	CC	5956	448	90	C30/37	30x50; G	0	No	No	No	3.75	49
T4	R 30x50	CC	6432	25	0	C30/37	30x50; G	0	No	No	No	3.75	40
T4	R 30x50	CC	6432	448	0	C30/37	30x50; G	0	No	No	No	3.75	41
T4	R 30x50	CC	6432	938	0	C30/37	30x50; G	0	No	No	No	3.75	42
T4	R 30x60	CC	5553	448	0	C30/37	30x60; G	0	No	No	No	4.5	43
T4	R 30x50	CC	5553	933	0	C30/37	30x50; G	0	No	No	No	3.75	44
T4	R 30x50	CC	4797	448	270	C30/37	30x50; G	0	No	No	No	3.75	131
T4	R 30x60	CC	5200	30	0	C30/37	30x60; G	0	No	No	No	4.5	51-52
T4	R 30x60	CC	5200	448	0	C30/37	30x60; G	0	No	No	No	4.5	50
T4	R 30x50	CC	5956	15	90	C30/37	30x50; G	0	No	No	No	3.75	47
T4	R 30x50	CC	5956	948	90	C30/37	30x50; G	0	No	No	No	3.75	48
T5	R 30x50	CC	6432	938	0	C30/37	30x50; G	0	No	No	No	3.75	134
T5	R 30x60	CC	5200	30	0	C30/37	30x60; G	0	No	No	No	4.5	143-144
T5	R 30x60	CC	5200	448	0	C30/37	30x60; G	0	No	No	No	4.5	142
T5	R 30x50	CC	5956	448	90	C30/37	30x50; G	0	No	No	No	3.75	141
T5	R 30x50	CC	5956	948	90	C30/37	30x50; G	0	No	No	No	3.75	140
T5	R 30x50	CC	5956	15	90	C30/37	30x50; G	0	No	No	No	3.75	139
T5	R 30x60	CC	5553	30	0	C30/37	30x60; G	0	No	No	No	4.5	137-138
T5	R 30x60	CC	5553	448	0	C30/37	30x60; G	0	No	No	No	4.5	135
T5	R 30x50	CC	5553	933	0	C30/37	30x50; G	0	No	No	No	3.75	136
T5	R 30x50	CC	4321	448	0	C30/37	30x50; G	0	No	No	No	3.75	146
T5	R 30x50	CC	6432	25	0	C30/37	30x50; G	0	No	No	No	3.75	132
T5	R 30x50	CC	4321	938	0	C30/37	30x50; G	0	No	No	No	3.75	147
T5	R 30x50	CC	4797	15	270	C30/37	30x50; G	0	No	No	No	3.75	148
T5	R 30x50	CC	4797	948	270	C30/37	30x50; G	0	No	No	No	3.75	149
T5	R 30x50	CC	4797	448	270	C30/37	30x50; G	0	No	No	No	3.75	150
T5	R 30x50	CC	4321	25	0	C30/37	30x50; G	0	No	No	No	3.75	145
T5	R 30x50	CC	6432	448	0	C30/37	30x50; G	0	No	No	No	3.75	133
T6	R 30x30_1	CC	5956	285	90	C30/37	30x30; G	0	No	No	No	2.25	151
T6	R 30x30_1	CC	5956	798	90	C30/37	30x30; G	0	No	No	No	2.25	152
T6	R 30x30_1	CC	5956	463	90	C30/37	30x30; G	0	No	No	No	2.25	153
T6	R 30x30_1	CC	4761	285	270	C30/37	30x30; G	0	No	No	No	2.25	154
T6	R 30x30_1	CC	4761	463	270	C30/37	30x30; G	0	No	No	No	2.25	156
T6	R 30x30_1	CC	6432	463	90	C30/37	30x30; G	0	No	No	No	2.25	59
T6	R 30x30_1	CC	4761	798	270	C30/37	30x30; G	0	No	No	No	2.25	155
T6	R 30x30_1	CC	6432	798	90	C30/37	30x30; G	0	No	No	No	2.25	57
T6	R 30x30_1	CC	5553	463	90	C30/37	30x30; G	0	No	No	No	2.25	56
T6	R 30x30_1	CC	5553	798	90	C30/37	30x30; G	0	No	No	No	2.25	55
T6	R 30x30_1	CC	5200	463	90	C30/37	30x30; G	0	No	No	No	2.25	54
T6	R 30x30_1	CC	5200	15	0	C30/37	30x30; G	0	No	No	No	2.25	53
T6	R 30x30_1	CC	5553	15	0	C30/37	30x30; G	0	No	No	No	2.25	60
T6	R 30x30_1	CC	6432	285	90	C30/37	30x30; G	0	No	No	No	2.25	58

5.4.4 Piastre C.A.

5.4.4.1 Piastre C.A. di piano

***Livello**: quota di inserimento espressa con notazione breve esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Sp.**: spessore misurato in direzione ortogonale al piano medio dell'elemento. [cm]*
***Punti**: punti di definizione in pianta.*
***I.**: indice del punto corrente nell'insieme dei punti di definizione dell'elemento.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [cm]*
***Mat.**: riferimento ad una definizione di calcestruzzo.*
***Car.sup.**: riferimento alla definizione di un carico superficiale. Accetta anche il valore "Nessuno".*
***Car.pot.**: riferimento alla definizione di un carico potenziale. Accetta anche il valore "Nessuno".*
***DeltaT**: riferimento alla definizione di una variazione termica. Accetta anche il valore "Nessuno".*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***P.sup.**: peso per unità di superficie. [daN/cm²]*
***Fond.**: riferimento alla fondazione sottostante l'elemento.*
***Fori**: riferimenti a tutti gli elementi che forano la piastra.*

Livello	Sp.	Punti			Estr.	Mat.	Car.sup.	Car.pot.	DeltaT	Sovr.	S.Z	P.sup.	Fond.	Fori
		I.	X	Y										
L1	40	1	5205	768	0	C30/37			Termico	0	No	0.1		
		2	5375	768										
		3	5375	973										
		4	5205	973										
L2	65	1	6447	1143	0	C30/37			Termico	0	No	0.1625		H1
		2	4306	1143										
		3	4306	-120										
		4	6447	-120										
L3	20	1	5538	30	0	C30/37	Scale		Termico	0	No	0.05		
		2	5538	160										
		3	5215	160										
		4	5215	30										

Livello	Sp.	Punti			Estr.	Mat.	Car.sup.	Car.pot.	DeltaT	Sovr.	S.Z	P.sup.	Fond.	Fori
		I.	X	Y										
L4	20	1	5588	0	0	C30/37	Balconi		Termico	0	No	0.05		
		2	5588	-215										
		3	5911	-215										
		4	5911	0										
L4	20	1	5956	963	0	C30/37	Balconi		Termico	0	No	0.05		
		2	6447	963										
		3	6447	1098										
		4	5956	1098										
L4	20	1	5215	373	0	C30/37	Scale		Termico	0	No	0.05		
		2	5538	373										
		3	5538	983										
		4	5375	983										
		5	5375	788										
		6	5215	788										
L4	20	1	5538	0	0	C30/37	Interni		Termico	0	No	0.05		
		2	6447	0										
		3	6447	963										
		4	5956	963										
		5	5956	1083										
		6	5538	1083										
		7	5538	983										
L4	20	1	5215	983	0	C30/37	Interni		Termico	0	No	0.05		
		2	5215	1083										
		3	4797	1083										
		4	4797	963										
		5	4306	963										
		6	4306	0										
		7	5215	0										
L4	20	1	4797	1098	0	C30/37	Balconi		Termico	0	No	0.05		
		2	4306	1098										
		3	4306	963										
		4	4797	963										
L4	20	1	4372	0	0	C30/37	Balconi		Termico	0	No	0.05		
		2	4372	-130										
		3	4695	-130										
		4	4695	0										
L5	20	1	5538	30	0	C30/37	Scale		Termico	0	No	0.05		
		2	5538	160										
		3	5215	160										
		4	5215	30										
L6	20	1	4797	1098	0	C30/37	Balconi		Termico	0	No	0.05		
		2	4306	1098										
		3	4306	963										
		4	4797	963										
L6	20	1	4846	0	0	C30/37	Balconi		Termico	0	No	0.05		
		2	4846	-130										
		3	5169	-130										
		4	5169	0										
L6	20	1	6062	0	0	C30/37	Balconi		Termico	0	No	0.05		
		2	6062	-130										
		3	6385	-130										
		4	6385	0										
L6	20	1	5538	0	0	C30/37	Interni		Termico	0	No	0.05		
		2	6447	0										
		3	6447	963										
		4	5956	963										
		5	5956	1083										
		6	5538	1083										
		7	5538	983										
L6	20	1	5215	373	0	C30/37	Scale		Termico	0	No	0.05		
		2	5538	373										
		3	5538	983										
		4	5375	983										
		5	5375	788										
		6	5215	788										
L6	20	1	5956	963	0	C30/37	Balconi		Termico	0	No	0.05		
		2	6447	963										
		3	6447	1098										
		4	5956	1098										
L6	20	1	5215	983	0	C30/37	Interni		Termico	0	No	0.05		
		2	5215	1083										
		3	4797	1083										
		4	4797	963										
		5	4306	963										
		6	4306	0										
		7	5215	0										
L7	20	1	5538	30	0	C30/37	Scale		Termico	0	No	0.05		
		2	5538	160										
		3	5215	160										
		4	5215	30										
L8	20	1	5215	983	0	C30/37	Interni		Termico	0	No	0.05		
		2	5215	1083										
		3	4797	1083										
		4	4797	963										
		5	4306	963										
		6	4306	0										
		7	5215	0										
L8	20	1	5215	373	0	C30/37	Scale		Termico	0	No	0.05		
		2	5538	373										
		3	5538	818										
		4	5375	818										
		5	5375	788										
		6	5215	788										
L8	20	1	4797	1098	0	C30/37	Balconi		Termico	0	No	0.05		
		2	4306	1098										
		3	4306	963										
		4	4797	963										
L8	20	1	4372	0	0	C30/37	Balconi		Termico	0	No	0.05		
		2	4372	-215										

Livello	Sp.	Punti			Estr.	Mat.	Car.sup.	Car.pot.	DeltaT	Sovr.	S.Z	P.sup.	Fond.	Fori
		I.	X	Y										
		3	4695	-215										
		4	4695	0										
L8	20	1	5538	0	0	C30/37	Interni		Termico	0	No	0.05		
		2	6447	0										
		3	6447	963										
		4	5956	963										
		5	5956	1083										
		6	5538	1083										
		7	5538	983										
L8	20	1	5956	963	0	C30/37	Balconi		Termico	0	No	0.05		
		2	6447	963										
		3	6447	1098										
		4	5956	1098										
L8	20	1	5588	0	0	C30/37	Balconi		Termico	0	No	0.05		
		2	5588	-215										
		3	5911	-215										
		4	5911	0										
L8	20	1	5375	903	0	C30/37	Scale		Termico	0	No	0.05		
		2	5538	903										
		3	5538	983										
		4	5375	983										
L9	20	1	5538	30	0	C30/37	Scale		Termico	0	No	0.05		
		2	5538	160										
		3	5215	160										
		4	5215	30										
L10	20	1	5215	373	0	C30/37	Scale		Termico	0	No	0.05		
		2	5538	373										
		3	5538	818										
		4	5375	818										
		5	5375	788										
		6	5215	788										
L10	20	1	6062	0	0	C30/37	Balconi		Termico	0	No	0.05		
		2	6062	-130										
		3	6385	-130										
		4	6385	0										
L10	20	1	4372	0	0	C30/37	Balconi		Termico	0	No	0.05		
		2	4372	-215										
		3	4695	-215										
		4	4695	0										
L10	20	1	5375	903	0	C30/37	Scale		Termico	0	No	0.05		
		2	5538	903										
		3	5538	983										
		4	5375	983										
L10	20	1	4797	1098	0	C30/37	Balconi		Termico	0	No	0.05		
		2	4306	1098										
		3	4306	963										
		4	4797	963										
L10	20	1	5538	0	0	C30/37	Interni		Termico	0	No	0.05		
		2	6447	0										
		3	6447	963										
		4	5956	963										
		5	5956	1083										
		6	5538	1083										
		7	5538	983										
L10	20	1	5956	963	0	C30/37	Balconi		Termico	0	No	0.05		
		2	6447	963										
		3	6447	1098										
		4	5956	1098										
L10	20	1	5215	983	0	C30/37	Interni		Termico	0	No	0.05		
		2	5215	1083										
		3	4797	1083										
		4	4797	963										
		5	4306	963										
		6	4306	0										
		7	5215	0										
L11	20	1	5538	30	0	C30/37	Scale		Termico	0	No	0.05		
		2	5538	160										
		3	5215	160										
		4	5215	30										
L12	20	1	5538	0	0	C30/37	Balconi		Termico	0	No	0.05		
		2	6447	0										
		3	6447	963										
		4	5956	963										
		5	5956	1083										
		6	5538	1083										
		7	5538	983										
L12	20	1	4797	1098	0	C30/37	Balconi		Termico	0	No	0.05		
		2	4306	1098										
		3	4306	963										
		4	4797	963										
L12	20	1	5215	983	0	C30/37	Balconi		Termico	0	No	0.05		
		2	5215	1083										
		3	4797	1083										
		4	4797	963										
		5	4306	963										
		6	4306	0										
		7	5215	0										
L12	20	1	5215	373	0	C30/37	Scale		Termico	0	No	0.05		
		2	5538	373										
		3	5538	983										
		4	5375	983										
		5	5375	788										
		6	5215	788										
L12	20	1	5956	963	0	C30/37	Balconi		Termico	0	No	0.05		
		2	6447	963										
		3	6447	1098										
		4	5956	1098										
L14	20	1	4746	813	0	C30/37	Copertura cantine		Termico	0	No	0.05		

Livello	Sp.	Punti			Estr.	Mat.	Car.sup.	Car.pot.	DeltaT	Sovr.	S.Z	P.sup.	Fond.	Fori
		I.	X	Y										
		2	4746	270										
		3	5215	270										
		4	5215	813										
L14	20	1	5538	813	0	C30/37	Copertura cantine		Termico	0	No	0.05		
		2	5538	270										
		3	6447	270										
		4	6447	813										

5.4.5 Fondazioni di piastre

***Descrizione breve**: descrizione breve usata nelle tabelle dei capitoli delle piastre di fondazione.*
***Stratigrafia**: stratigrafia del terreno nel punto medio in pianta dell'elemento.*
***Sondaggio**: è possibile indicare esplicitamente un sondaggio definito nelle preferenze oppure richiedere di estrapolare il sondaggio dalla definizione del sito espressa nelle preferenze.*
***Estradosso**: distanza dalla quota superiore del sondaggio misurata in verticale con verso positivo verso l'alto. [cm]*
***Deformazione volumetrica**: valore della deformazione volumetrica impiegato nel calcolo della pressione limite a rottura con la formula di Vesic. Il valore è adimensionale. Accetta anche il valore di default espresso nelle preferenze.*
***Angolo pendio**: angolo del pendio rispetto l'orizzontale; il valore deve essere positivo per opere in sommità di un pendio mentre deve essere negativo per opere al piede di un pendio. [deg]*
***K verticale**: coefficiente di sottofondo verticale del letto di molle. [daN/cm³]*
***Limite compressione**: pressione limite di plasticizzazione a compressione del letto di molle. [daN/cm²]*
***Limite trazione**: pressione limite di plasticizzazione a trazione del letto di molle. [daN/cm²]*

Descrizione breve	Stratigrafia			Angolo pendio	K verticale	Limite compressione	Limite trazione
	Sondaggio	Estradosso	Deformazione volumetrica				
FS1	Piu' vicino in sito	0		0	1	10	0.001

5.4.6 Pareti C.A.

***Tr.**: riferimento al tronco indicante la quota inferiore e superiore.*
***Sp.**: spessore misurato in direzione ortogonale al piano medio dell'elemento. [cm]*
***P.i.**: posizione del punto di inserimento rispetto ad una sezione verticale, vista dal punto iniziale verso il punto finale.*
***Punto i.**: punto iniziale in pianta.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Punto f.**: punto finale in pianta.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Mat.**: riferimento ad una definizione di calcestruzzo.*
***Car.pot.**: riferimento alla definizione di un carico potenziale. Accetta anche il valore "Nessuno".*
***DeltaT**: riferimento alla definizione di una variazione termica. Accetta anche il valore "Nessuno".*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***Aperture**: Riferimenti a tutti gli elementi che forano la parete.*

Tr.	Sp.	P.i.	Punto i.		Punto f.		Mat.	Car.pot.	DeltaT	Sovr.	S.Z	Aperture
			X	Y	X	Y						
T11	20	Centro	5205	768	5375	768	C30/37		Termico	0	No	
T11	20	Centro	5375	973	5375	768	C30/37		Termico	0	No	
T11	20	Centro	5205	973	5375	973	C30/37		Termico	0	No	
T11	20	Centro	5205	768	5205	973	C30/37		Termico	0	No	
T1	20	Centro	5205	768	5205	973	C30/37		Termico	0	No	
T1	20	Centro	5205	973	5375	973	C30/37		Termico	0	No	
T1	20	Centro	5375	973	5375	768	C30/37		Termico	0	No	
T2	20	Centro	5205	768	5205	973	C30/37		Termico	0	No	
T2	20	Centro	5205	973	5375	973	C30/37		Termico	0	No	
T2	20	Centro	5375	973	5375	768	C30/37		Termico	0	No	
T3	20	Centro	5205	768	5205	973	C30/37		Termico	0	No	
T3	20	Centro	5205	973	5375	973	C30/37		Termico	0	No	
T3	20	Centro	5375	973	5375	768	C30/37		Termico	0	No	
T4	20	Centro	5205	768	5205	973	C30/37		Termico	0	No	
T4	20	Centro	5205	973	5375	973	C30/37		Termico	0	No	
T4	20	Centro	5375	973	5375	768	C30/37		Termico	0	No	
T5	20	Centro	5205	973	5375	973	C30/37		Termico	0	No	
T5	20	Centro	5205	768	5205	973	C30/37		Termico	0	No	
T5	20	Centro	5375	973	5375	768	C30/37		Termico	0	No	
T6	20	Centro	5205	768	5205	973	C30/37		Termico	0	No	
T6	20	Centro	5375	973	5375	768	C30/37		Termico	0	No	
T6	20	Centro	5205	973	5375	973	C30/37		Termico	0	No	

5.4.7 Carichi lineari

5.4.7.1 Carichi lineari di piano

***Carico**: riferimento alla definizione di un carico lineare.*
***Livello**: quota del punto di inserimento iniziale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Punto i.**: punto di inserimento iniziale.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Punto f.**: punto di inserimento finale.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [cm]*

Carico	Livello	Punto i.	Punto f.	Estr.

		X	Y	X	Y	
muri	Piano 1	5205	973	5205	1083	0
muri	Piano 1	4387	-130	4387	0	0
muri	Piano 1	5185	15	4832	15	0
muri	Piano 1	4762	15	4336	15	0
muri	Piano 1	4321	70	4321	413	0
muri	Piano 1	4321	483	4321	893	0
muri	Piano 1	5200	1083	4797	1083	0
muri	Piano 1	4797	963	4797	1083	0
muri	Piano 1	5200	483	5200	768	0
muri	Piano 1	5553	483	5553	893	0
muri	Piano 1	5200	70	5200	413	0
muri	Piano 1	4762	948	4336	948	0
muri	Piano 1	5896	-215	5896	0	0
muri	Piano 1	6432	483	6432	893	0
muri	Piano 1	5991	948	6417	948	0
muri	Piano 1	5553	1083	5956	1083	0
muri	Piano 1	5956	963	5956	1083	0
muri	Piano 1	5553	70	5553	413	0
muri	Piano 1	6432	70	6432	413	0
muri	Piano 1	5991	15	6417	15	0
muri	Piano 1	5553	963	5553	1083	0
muri	Piano 1	5568	15	5921	15	0
muri	Piano 2	4762	15	4336	15	0
muri	Piano 2	4762	948	4336	948	0
muri	Piano 2	5185	15	4832	15	0
muri	Piano 2	4797	963	4797	1083	0
muri	Piano 2	4861	-130	4861	0	0
muri	Piano 2	6370	-130	6370	0	0
muri	Piano 2	4321	70	4321	413	0
muri	Piano 2	4321	483	4321	893	0
muri	Piano 2	5200	1083	4797	1083	0
muri	Piano 2	6432	483	6432	893	0
muri	Piano 2	5205	973	5205	1083	0
muri	Piano 2	5553	963	5553	1083	0
muri	Piano 2	5956	963	5956	1083	0
muri	Piano 2	5991	15	6417	15	0
muri	Piano 2	5568	15	5921	15	0
muri	Piano 2	5553	70	5553	413	0
muri	Piano 2	5200	70	5200	413	0
muri	Piano 2	5553	483	5553	893	0
muri	Piano 2	5200	483	5200	768	0
muri	Piano 2	6432	70	6432	413	0
muri	Piano 2	5991	948	6417	948	0
muri	Piano 2	5553	1083	5956	1083	0
muri	Piano 3	5200	1083	4797	1083	0
muri	Piano 3	4762	948	4336	948	0
muri	Piano 3	4321	483	4321	893	0
muri	Piano 3	5553	1083	5956	1083	0
muri	Piano 3	4762	15	4336	15	0
muri	Piano 3	5185	15	4832	15	0
muri	Piano 3	4387	-215	4387	0	0
muri	Piano 3	4797	963	4797	1083	0
muri	Piano 3	5991	948	6417	948	0
muri	Piano 3	4321	70	4321	413	0
muri	Piano 3	6432	70	6432	413	0
muri	Piano 3	5553	963	5553	1083	0
muri	Piano 3	5956	963	5956	1083	0
muri	Piano 3	5200	483	5200	768	0
muri	Piano 3	5553	483	5553	893	0
muri	Piano 3	5200	70	5200	413	0
muri	Piano 3	5553	70	5553	413	0
muri	Piano 3	5896	-215	5896	0	0
muri	Piano 3	5568	15	5921	15	0
muri	Piano 3	5991	15	6417	15	0
muri	Piano 3	6432	483	6432	893	0
muri	Piano 3	5205	973	5205	1083	0
muri	Piano 4	4762	948	4336	948	0
muri	Piano 4	4321	483	4321	893	0
muri	Piano 4	4321	70	4321	413	0
muri	Piano 4	4387	-215	4387	0	0
muri	Piano 4	5185	15	4832	15	0
muri	Piano 4	5200	70	5200	413	0
muri	Piano 4	5200	483	5200	893	0
muri	Piano 4	5200	1083	4797	1083	0
muri	Piano 4	4762	15	4336	15	0
muri	Piano 4	4797	963	4797	1083	0
muri	Piano 4	6432	483	6432	893	0
muri	Piano 4	5553	483	5553	893	0
muri	Piano 4	5553	70	5553	413	0
muri	Piano 4	5568	15	5921	15	0
muri	Piano 4	5991	15	6417	15	0
muri	Piano 4	6432	70	6432	413	0
muri	Piano 4	5991	948	6417	948	0
muri	Piano 4	5553	1083	5956	1083	0
muri	Piano 4	5956	963	5956	1083	0
muri	Piano 4	5553	963	5553	1083	0
muri	Piano 4	5200	963	5200	1083	0
muri	Piano 4	6370	-130	6370	0	0

5.4.8 Carichi superficiali

5.4.8.1 Carichi superficiali di piano

***Carico**: riferimento alla definizione di un carico di superficie.*
***Solaio**: caratteristiche dell'eventuale solaio.*
***Liv.**: quota di inserimento espressa con notazione breve esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Punti**: punti di definizione in pianta.*
***Indice**: indice del punto corrente nell'insieme dei punti di definizione dell'elemento.*

***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [cm]*
***Angolo**: direzione delle nervature che trasmettono il carico.Angolo misurato dal semiasse positivo delle ascisse in verso antiorario. [deg]*
***Comp.**: descrizione sintetica del comportamento del carico superficiale o, nel caso di comportamento membranale, riferimento alla decrizione analitica della membrana.*
***Fori**: riferimenti a tutti gli elementi che forano il carico superficiale.*

Carico	Solaio	Liv.	Punti			Estr.	Angolo	Comp.	Fori
			Indice	X	Y				
Grigliato		L8	1	5415	818	0	0		
			2	5505	818				
			3	5505	903				
			4	5415	903				
Grigliato		L10	1	5415	818	0	0		
			2	5505	818				
			3	5505	903				
			4	5415	903				
Copertura scale		L14	1	5215	813	0	270		
			2	5215	0				
			3	5538	0				
			4	5538	813				

5.4.9 Fori su piastre e carichi superficiali

5.4.9.1 Fori di piano

***Desc.**: descrizione breve del foro utilizzata dagli elementi forabili come piastre e carichi superficiali.*
***Quota**: quota di inserimento esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Livello**: quota di inserimento espressa con notazione breve esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Estradosso**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [cm]*
***Spessore**: spessore misurato in direzione ortogonale al piano medio dell'elemento. [cm]*
***Punti**: punti di definizione in pianta.*
***Indice**: indice del punto corrente nell'insieme dei punti di definizione dell'elemento.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Serramento**: considera la presenza di un serramento, ai fini della trasmissione del vento agente sull'elemento forato.*

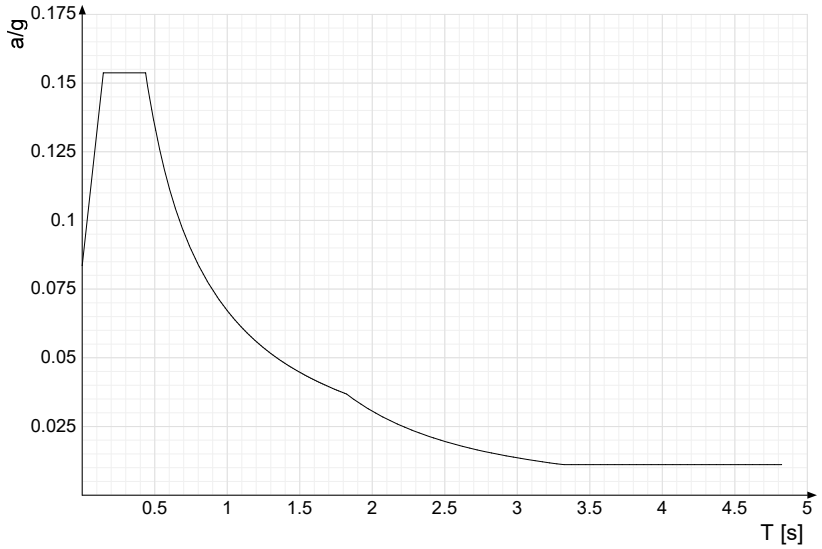
Desc.	Quota	Livello	Estradosso	Spessore	Punti			Serramento
					Indice	X	Y	
H1	Fondazione	L2	0	65	1	5215	778	Si
					2	5365	778	
					3	5365	963	
					4	5215	963	

6 Dati di modellazione

6.1 Accelerazioni alla base

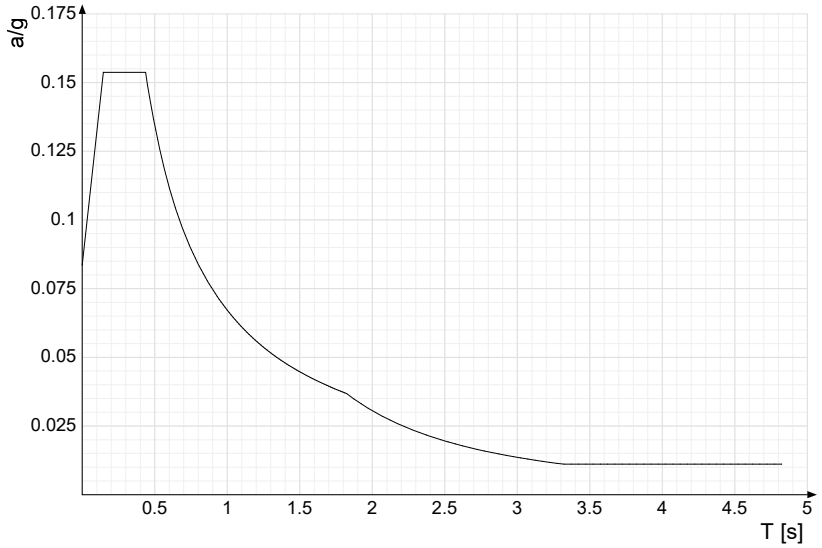
***Ind.vertice**: Indice del valore.*
***T**: Periodo di vibrazione. [s]*
***a/g**: Accelerazione spettrale normalizzata ottenuta dividendo l'accelerazione spettrale per l'accelerazione di gravità. Il valore è adimensionale.*

Sisma X SLV



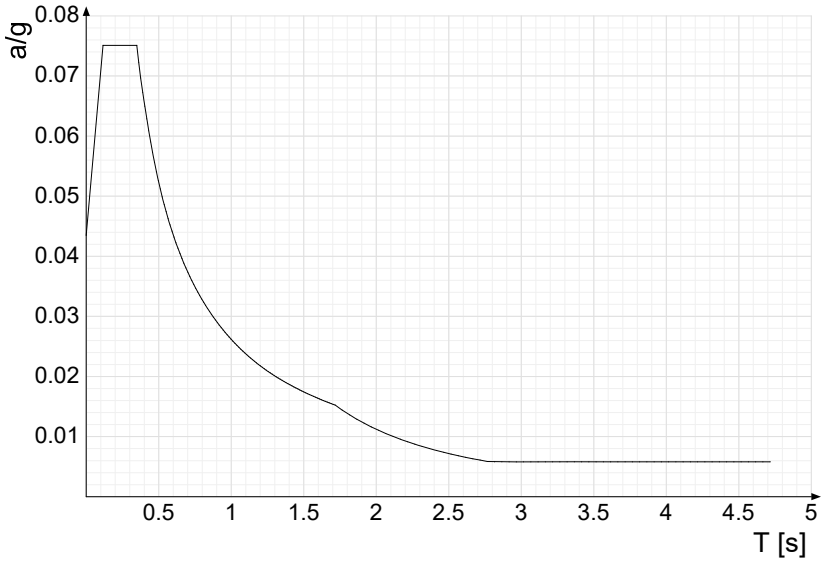
Ind.vertice	T	a/g	Ind.vertice	T	a/g	Ind.vertice	T	a/g	Ind.vertice	T	a/g
1	0	0.084	2	0.146	0.154	3	0.437	0.154	4	0.45	0.149
5	0.464	0.145	6	0.478	0.14	7	0.492	0.137	8	0.505	0.133
9	0.519	0.129	10	0.533	0.126	11	0.547	0.123	12	0.56	0.12
13	0.574	0.117	14	0.588	0.114	15	0.601	0.112	16	0.615	0.109
17	0.629	0.107	18	0.643	0.104	19	0.656	0.102	20	0.67	0.1
21	0.684	0.098	22	0.697	0.096	23	0.711	0.094	24	0.725	0.093
25	0.739	0.091	26	0.752	0.089	27	0.766	0.088	28	0.78	0.086
29	0.794	0.085	30	0.807	0.083	31	0.821	0.082	32	0.835	0.08
33	0.848	0.079	34	0.862	0.078	35	0.876	0.077	36	0.89	0.075
37	0.903	0.074	38	0.917	0.073	39	0.931	0.072	40	0.945	0.071
41	0.958	0.07	42	0.972	0.069	43	0.986	0.068	44	0.999	0.067
45	1.013	0.066	46	1.027	0.065	47	1.041	0.065	48	1.054	0.064
49	1.068	0.063	50	1.082	0.062	51	1.095	0.061	52	1.109	0.061
53	1.123	0.06	54	1.137	0.059	55	1.15	0.058	56	1.164	0.058
57	1.178	0.057	58	1.192	0.056	59	1.205	0.056	60	1.219	0.055
61	1.233	0.054	62	1.246	0.054	63	1.26	0.053	64	1.274	0.053
65	1.288	0.052	66	1.301	0.052	67	1.315	0.051	68	1.329	0.051
69	1.343	0.05	70	1.356	0.049	71	1.37	0.049	72	1.384	0.049
73	1.397	0.048	74	1.411	0.048	75	1.425	0.047	76	1.439	0.047
77	1.452	0.046	78	1.466	0.046	79	1.48	0.045	80	1.493	0.045
81	1.507	0.045	82	1.521	0.044	83	1.535	0.044	84	1.548	0.043
85	1.562	0.043	86	1.576	0.043	87	1.59	0.042	88	1.603	0.042
89	1.617	0.042	90	1.631	0.041	91	1.644	0.041	92	1.658	0.04
93	1.672	0.04	94	1.686	0.04	95	1.699	0.039	96	1.713	0.039
97	1.727	0.039	98	1.741	0.039	99	1.754	0.038	100	1.768	0.038
101	1.782	0.038	102	1.795	0.037	103	1.809	0.037	104	1.823	0.037
105	1.873	0.035	106	1.923	0.033	107	1.973	0.031	108	2.023	0.03
109	2.073	0.028	110	2.123	0.027	111	2.173	0.026	112	2.223	0.025
113	2.273	0.024	114	2.323	0.023	115	2.373	0.022	116	2.423	0.021
117	2.473	0.02	118	2.523	0.019	119	2.573	0.018	120	2.623	0.018
121	2.673	0.017	122	2.723	0.017	123	2.773	0.016	124	2.823	0.015
125	2.873	0.015	126	2.923	0.014	127	2.973	0.014	128	3.023	0.013
129	3.073	0.013	130	3.123	0.013	131	3.173	0.012	132	3.223	0.012
133	3.273	0.011	134	3.323	0.011	135	3.373	0.011	136	3.423	0.011
137	3.473	0.011	138	3.523	0.011	139	3.573	0.011	140	3.623	0.011
141	3.673	0.011	142	3.723	0.011	143	3.773	0.011	144	3.823	0.011
145	3.873	0.011	146	3.923	0.011	147	3.973	0.011	148	4.023	0.011
149	4.073	0.011	150	4.123	0.011	151	4.173	0.011	152	4.223	0.011
153	4.273	0.011	154	4.323	0.011	155	4.373	0.011	156	4.423	0.011
157	4.473	0.011	158	4.523	0.011	159	4.573	0.011	160	4.623	0.011
161	4.673	0.011	162	4.723	0.011	163	4.773	0.011	164	4.823	0.011

Sisma Y SLV



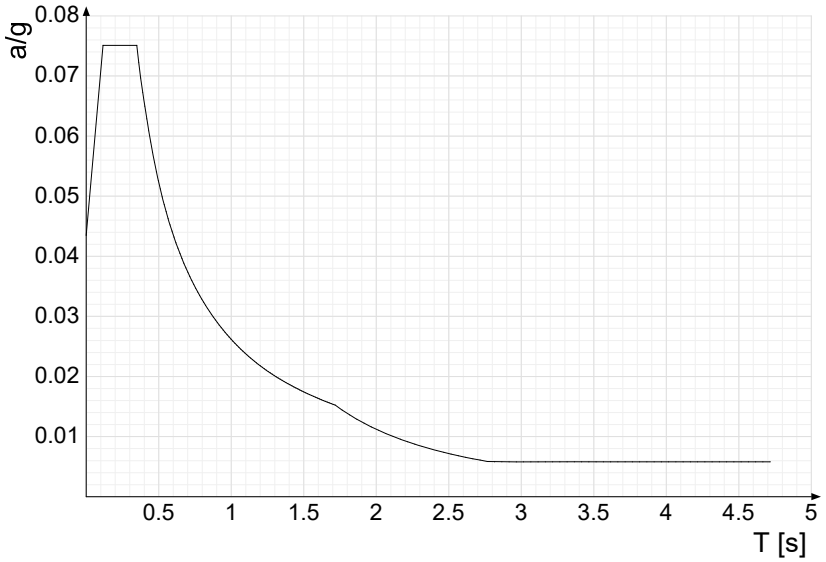
Ind.vertice	T	a/g	Ind.vertice	T	a/g	Ind.vertice	T	a/g	Ind.vertice	T	a/g
1	0	0.084	2	0.146	0.154	3	0.437	0.154	4	0.45	0.149
5	0.464	0.145	6	0.478	0.14	7	0.492	0.137	8	0.505	0.133
9	0.519	0.129	10	0.533	0.126	11	0.547	0.123	12	0.56	0.12
13	0.574	0.117	14	0.588	0.114	15	0.601	0.112	16	0.615	0.109
17	0.629	0.107	18	0.643	0.104	19	0.656	0.102	20	0.67	0.1
21	0.684	0.098	22	0.697	0.096	23	0.711	0.094	24	0.725	0.093
25	0.739	0.091	26	0.752	0.089	27	0.766	0.088	28	0.78	0.086
29	0.794	0.085	30	0.807	0.083	31	0.821	0.082	32	0.835	0.08
33	0.848	0.079	34	0.862	0.078	35	0.876	0.077	36	0.89	0.075
37	0.903	0.074	38	0.917	0.073	39	0.931	0.072	40	0.945	0.071
41	0.958	0.07	42	0.972	0.069	43	0.986	0.068	44	0.999	0.067
45	1.013	0.066	46	1.027	0.065	47	1.041	0.065	48	1.054	0.064
49	1.068	0.063	50	1.082	0.062	51	1.095	0.061	52	1.109	0.061
53	1.123	0.06	54	1.137	0.059	55	1.15	0.058	56	1.164	0.058
57	1.178	0.057	58	1.192	0.056	59	1.205	0.056	60	1.219	0.055
61	1.233	0.054	62	1.246	0.054	63	1.26	0.053	64	1.274	0.053
65	1.288	0.052	66	1.301	0.052	67	1.315	0.051	68	1.329	0.051
69	1.343	0.05	70	1.356	0.049	71	1.37	0.049	72	1.384	0.049
73	1.397	0.048	74	1.411	0.048	75	1.425	0.047	76	1.439	0.047
77	1.452	0.046	78	1.466	0.046	79	1.48	0.045	80	1.493	0.045
81	1.507	0.045	82	1.521	0.044	83	1.535	0.044	84	1.548	0.043
85	1.562	0.043	86	1.576	0.043	87	1.59	0.042	88	1.603	0.042
89	1.617	0.042	90	1.631	0.041	91	1.644	0.041	92	1.658	0.04
93	1.672	0.04	94	1.686	0.04	95	1.699	0.039	96	1.713	0.039
97	1.727	0.039	98	1.741	0.039	99	1.754	0.038	100	1.768	0.038
101	1.782	0.038	102	1.795	0.037	103	1.809	0.037	104	1.823	0.037
105	1.873	0.035	106	1.923	0.033	107	1.973	0.031	108	2.023	0.03
109	2.073	0.028	110	2.123	0.027	111	2.173	0.026	112	2.223	0.025
113	2.273	0.024	114	2.323	0.023	115	2.373	0.022	116	2.423	0.021
117	2.473	0.02	118	2.523	0.019	119	2.573	0.018	120	2.623	0.018
121	2.673	0.017	122	2.723	0.017	123	2.773	0.016	124	2.823	0.015
125	2.873	0.015	126	2.923	0.014	127	2.973	0.014	128	3.023	0.013
129	3.073	0.013	130	3.123	0.013	131	3.173	0.012	132	3.223	0.012
133	3.273	0.011	134	3.323	0.011	135	3.373	0.011	136	3.423	0.011
137	3.473	0.011	138	3.523	0.011	139	3.573	0.011	140	3.623	0.011
141	3.673	0.011	142	3.723	0.011	143	3.773	0.011	144	3.823	0.011
145	3.873	0.011	146	3.923	0.011	147	3.973	0.011	148	4.023	0.011
149	4.073	0.011	150	4.123	0.011	151	4.173	0.011	152	4.223	0.011
153	4.273	0.011	154	4.323	0.011	155	4.373	0.011	156	4.423	0.011
157	4.473	0.011	158	4.523	0.011	159	4.573	0.011	160	4.623	0.011
161	4.673	0.011	162	4.723	0.011	163	4.773	0.011	164	4.823	0.011

Sisma X SLD



Ind.vertice	T	a/g	Ind.vertice	T	a/g	Ind.vertice	T	a/g	Ind.vertice	T	a/g
1	0	0.043	2	0.116	0.075	3	0.348	0.075	4	0.362	0.072
5	0.375	0.07	6	0.389	0.067	7	0.403	0.065	8	0.416	0.063
9	0.43	0.061	10	0.443	0.059	11	0.457	0.057	12	0.47	0.056
13	0.484	0.054	14	0.497	0.053	15	0.511	0.051	16	0.524	0.05
17	0.538	0.049	18	0.552	0.047	19	0.565	0.046	20	0.579	0.045
21	0.592	0.044	22	0.606	0.043	23	0.619	0.042	24	0.633	0.041
25	0.646	0.04	26	0.66	0.04	27	0.673	0.039	28	0.687	0.038
29	0.7	0.037	30	0.714	0.037	31	0.728	0.036	32	0.741	0.035
33	0.755	0.035	34	0.768	0.034	35	0.782	0.033	36	0.795	0.033
37	0.809	0.032	38	0.822	0.032	39	0.836	0.031	40	0.849	0.031
41	0.863	0.03	42	0.876	0.03	43	0.89	0.029	44	0.904	0.029
45	0.917	0.029	46	0.931	0.028	47	0.944	0.028	48	0.958	0.027
49	0.971	0.027	50	0.985	0.027	51	0.998	0.026	52	1.012	0.026
53	1.025	0.026	54	1.039	0.025	55	1.053	0.025	56	1.066	0.025
57	1.08	0.024	58	1.093	0.024	59	1.107	0.024	60	1.12	0.023
61	1.134	0.023	62	1.147	0.023	63	1.161	0.023	64	1.174	0.022
65	1.188	0.022	66	1.201	0.022	67	1.215	0.022	68	1.229	0.021
69	1.242	0.021	70	1.256	0.021	71	1.269	0.021	72	1.283	0.02
73	1.296	0.02	74	1.31	0.02	75	1.323	0.02	76	1.337	0.02
77	1.35	0.019	78	1.364	0.019	79	1.377	0.019	80	1.391	0.019
81	1.405	0.019	82	1.418	0.018	83	1.432	0.018	84	1.445	0.018
85	1.459	0.018	86	1.472	0.018	87	1.486	0.018	88	1.499	0.017
89	1.513	0.017	90	1.526	0.017	91	1.54	0.017	92	1.554	0.017
93	1.567	0.017	94	1.581	0.017	95	1.594	0.016	96	1.608	0.016
97	1.621	0.016	98	1.635	0.016	99	1.648	0.016	100	1.662	0.016
101	1.675	0.016	102	1.689	0.015	103	1.702	0.015	104	1.716	0.015
105	1.766	0.014	106	1.816	0.014	107	1.866	0.013	108	1.916	0.012
109	1.966	0.012	110	2.016	0.011	111	2.066	0.011	112	2.116	0.01
113	2.166	0.01	114	2.216	0.009	115	2.266	0.009	116	2.316	0.008
117	2.366	0.008	118	2.416	0.008	119	2.466	0.007	120	2.516	0.007
121	2.566	0.007	122	2.616	0.007	123	2.666	0.006	124	2.716	0.006
125	2.766	0.006	126	2.816	0.006	127	2.866	0.006	128	2.916	0.006
129	2.966	0.006	130	3.016	0.006	131	3.066	0.006	132	3.116	0.006
133	3.166	0.006	134	3.216	0.006	135	3.266	0.006	136	3.316	0.006
137	3.366	0.006	138	3.416	0.006	139	3.466	0.006	140	3.516	0.006
141	3.566	0.006	142	3.616	0.006	143	3.666	0.006	144	3.716	0.006
145	3.766	0.006	146	3.816	0.006	147	3.866	0.006	148	3.916	0.006
149	3.966	0.006	150	4.016	0.006	151	4.066	0.006	152	4.116	0.006
153	4.166	0.006	154	4.216	0.006	155	4.266	0.006	156	4.316	0.006
157	4.366	0.006	158	4.416	0.006	159	4.466	0.006	160	4.516	0.006
161	4.566	0.006	162	4.616	0.006	163	4.666	0.006	164	4.716	0.006

Sisma Y SLD



Ind.vertice	T	a/g	Ind.vertice	T	a/g	Ind.vertice	T	a/g	Ind.vertice	T	a/g
1	0	0.043	2	0.116	0.075	3	0.348	0.075	4	0.362	0.072
5	0.375	0.07	6	0.389	0.067	7	0.403	0.065	8	0.416	0.063
9	0.43	0.061	10	0.443	0.059	11	0.457	0.057	12	0.47	0.056
13	0.484	0.054	14	0.497	0.053	15	0.511	0.051	16	0.524	0.05
17	0.538	0.049	18	0.552	0.047	19	0.565	0.046	20	0.579	0.045
21	0.592	0.044	22	0.606	0.043	23	0.619	0.042	24	0.633	0.041
25	0.646	0.04	26	0.66	0.04	27	0.673	0.039	28	0.687	0.038
29	0.7	0.037	30	0.714	0.037	31	0.728	0.036	32	0.741	0.035
33	0.755	0.035	34	0.768	0.034	35	0.782	0.033	36	0.795	0.033
37	0.809	0.032	38	0.822	0.032	39	0.836	0.031	40	0.849	0.031
41	0.863	0.03	42	0.876	0.03	43	0.89	0.029	44	0.904	0.029
45	0.917	0.029	46	0.931	0.028	47	0.944	0.028	48	0.958	0.027
49	0.971	0.027	50	0.985	0.027	51	0.998	0.026	52	1.012	0.026
53	1.025	0.026	54	1.039	0.025	55	1.053	0.025	56	1.066	0.025
57	1.08	0.024	58	1.093	0.024	59	1.107	0.024	60	1.12	0.023
61	1.134	0.023	62	1.147	0.023	63	1.161	0.023	64	1.174	0.022
65	1.188	0.022	66	1.201	0.022	67	1.215	0.022	68	1.229	0.021
69	1.242	0.021	70	1.256	0.021	71	1.269	0.021	72	1.283	0.02
73	1.296	0.02	74	1.31	0.02	75	1.323	0.02	76	1.337	0.02
77	1.35	0.019	78	1.364	0.019	79	1.377	0.019	80	1.391	0.019
81	1.405	0.019	82	1.418	0.018	83	1.432	0.018	84	1.445	0.018
85	1.459	0.018	86	1.472	0.018	87	1.486	0.018	88	1.499	0.017
89	1.513	0.017	90	1.526	0.017	91	1.54	0.017	92	1.554	0.017
93	1.567	0.017	94	1.581	0.017	95	1.594	0.016	96	1.608	0.016
97	1.621	0.016	98	1.635	0.016	99	1.648	0.016	100	1.662	0.016
101	1.675	0.016	102	1.689	0.015	103	1.702	0.015	104	1.716	0.015
105	1.766	0.014	106	1.816	0.014	107	1.866	0.013	108	1.916	0.012
109	1.966	0.012	110	2.016	0.011	111	2.066	0.011	112	2.116	0.01
113	2.166	0.01	114	2.216	0.009	115	2.266	0.009	116	2.316	0.008
117	2.366	0.008	118	2.416	0.008	119	2.466	0.007	120	2.516	0.007
121	2.566	0.007	122	2.616	0.007	123	2.666	0.006	124	2.716	0.006
125	2.766	0.006	126	2.816	0.006	127	2.866	0.006	128	2.916	0.006
129	2.966	0.006	130	3.016	0.006	131	3.066	0.006	132	3.116	0.006
133	3.166	0.006	134	3.216	0.006	135	3.266	0.006	136	3.316	0.006
137	3.366	0.006	138	3.416	0.006	139	3.466	0.006	140	3.516	0.006
141	3.566	0.006	142	3.616	0.006	143	3.666	0.006	144	3.716	0.006
145	3.766	0.006	146	3.816	0.006	147	3.866	0.006	148	3.916	0.006
149	3.966	0.006	150	4.016	0.006	151	4.066	0.006	152	4.116	0.006
153	4.166	0.006	154	4.216	0.006	155	4.266	0.006	156	4.316	0.006
157	4.366	0.006	158	4.416	0.006	159	4.466	0.006	160	4.516	0.006
161	4.566	0.006	162	4.616	0.006	163	4.666	0.006	164	4.716	0.006

7 Risultati numerici

7.1 Spostamenti nodali estremi

***Nodo**: nodo interessato dallo spostamento.*
***Ind.**: indice del nodo.*
***Cont.**: condizione o combinazione di carico a cui si riferisce lo spostamento.*
***N.br.**: nome breve della condizione o combinazione di carico.*
***Spostamento**: spostamento traslazionale del nodo.*
***ux**: componente X dello spostamento del nodo. [cm]*
***uy**: componente Y dello spostamento del nodo. [cm]*
***uz**: componente Z dello spostamento del nodo. [cm]*
***Rotazione**: spostamento rotazionale del nodo.*
***rx**: componente X della rotazione del nodo. [deg]*
***ry**: componente Y della rotazione del nodo. [deg]*
***rz**: componente Z della rotazione del nodo. [deg]*

Spostamenti nodali con componente Ux minima

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Spostamento			Rotazione		
Ind.	N.br.	ux	uy	uz	rx	ry	rz
9442	SLV 1	-2.76877	-0.27497	-0.91076	-0.0235	-0.0481	-0.1614
9443	SLV 1	-2.76828	-1.5597	-0.81383	-0.0059	-0.0536	-0.1613
9444	SLV 1	-2.74196	-0.27497	-0.9115	-0.0235	-0.0481	-0.1614
9445	SLV 1	-2.7415	-1.5597	-0.82041	-0.0059	-0.0536	-0.1613
6615	SLV 1	-2.63304	1.43719	-1.40619	0.1006	0.0326	-0.1293

Spostamenti nodali con componente Ux massima

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Spostamento			Rotazione		
Ind.	N.br.	ux	uy	uz	rx	ry	rz
9443	SLV 15	2.7936	1.48683	-0.7667	-0.0504	0.0376	0.1809
9442	SLV 15	2.79329	0.03737	-0.66092	-0.0299	0.0437	0.1808
9445	SLV 15	2.76169	1.48683	-0.77486	-0.0504	0.0376	0.1809
9444	SLV 15	2.7614	0.03737	-0.67416	-0.0299	0.0437	0.1808
6615	SLV 15	2.68283	-1.65178	-1.51551	0.1121	0.0176	0.138

Spostamenti nodali con componente Uy minima

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Spostamento			Rotazione		
Ind.	N.br.	ux	uy	uz	rx	ry	rz
9667	SLV 1	-2.19327	-3.73247	-1.05241	-0.0287	-0.0549	-0.1584
9635	SLV 1	-2.20176	-3.73247	-1.0256	-0.0223	-0.0683	-0.159
9699	SLV 1	-2.19423	-3.73246	-1.07825	-0.0215	-0.0507	-0.1595
9731	SLV 1	-2.20458	-3.73241	-1.0963	-0.0111	-0.0474	-0.1576
9539	SLV 1	-2.27881	-3.73239	-1.05855	0.0392	-0.0511	-0.1588

Spostamenti nodali con componente Uy massima

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Spostamento			Rotazione		
Ind.	N.br.	ux	uy	uz	rx	ry	rz
9601	SLV 15	2.13646	3.78728	-1.19165	-0.0326	0.0056	0.1654
9635	SLV 15	2.11173	3.78724	-1.20631	-0.0361	-0.0441	0.1686
9570	SLV 15	2.16919	3.78722	-1.18193	0.002	-0.0367	0.1679
9667	SLV 15	2.09609	3.78721	-1.23824	-0.042	-0.0348	0.1654
9699	SLV 15	2.0899	3.78718	-1.27062	-0.0389	-0.0338	0.1689

Spostamenti nodali con componente Uz minima

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Spostamento			Rotazione		
Ind.	N.br.	ux	uy	uz	rx	ry	rz
4952	SLU 51	0.01576	-0.13092	-2.4952	0.1847	0.0092	0.0021
4953	SLU 51	0.01576	-0.12881	-2.49267	0.1798	-0.0164	0.0034
4951	SLU 49	0.01182	-0.13043	-2.47977	0.1915	0.0296	0.0034
4954	SLU 51	0.01575	-0.12669	-2.4698	0.178	-0.043	0.0022
6619	SLU 51	0.05093	-0.21818	-2.46646	0.1758	-0.009	0.0069

Spostamenti nodali con componente Uz massima

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Spostamento			Rotazione		
Ind.	N.br.	ux	uy	uz	rx	ry	rz
4958	SLV Y	0.46556	1.53657	0.37112	-0.0333	0.0194	0.0199
4959	SLV Y	0.46555	1.53515	0.35393	-0.0333	0.0194	0.0199
3419	SLV Y	0.19318	0.87128	0.34902	0.0235	-0.0052	0.0123
4903	SLV Y	0.30171	1.326	0.34434	0.0194	-0.0051	0.018
1904	SLV Y	0.19082	0.6389	0.34131	-0.0299	0.0172	0.0081

7.2 Reazioni nodali estreme

***Nodo**: Nodo sollecitato dalla reazione vincolare.*
***Ind.**: indice del nodo.*

***Cont.**: Contesto a cui si riferisce la reazione vincolare.*
***N.br.**: nome breve della condizione o combinazione di carico.*
***Reazione a traslazione**: reazione vincolare traslazionale del nodo.*
***x**: componente X della reazione vincolare del nodo. [daN]*
***y**: componente Y della reazione vincolare del nodo. [daN]*
***z**: componente Z della reazione vincolare del nodo. [daN]*
***Reazione a rotazione**: reazione vincolare rotazionale del nodo.*
***x**: componente X della reazione a rotazione del nodo. [daN*cm]*
***y**: componente Y della reazione a rotazione del nodo. [daN*cm]*
***z**: componente Z della reazione a rotazione del nodo. [daN*cm]*

Reazioni Fx minime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
1646	SLU 29	-15115	-13580	2133	0	0	0
113	SLU 3	-15033	13138	1755	0	0	0
548	SLU 7	-13399	2607	1911	0	0	0
632	SLU 7	-13303	1747	1917	0	0	0
550	SLU 7	-13261	2828	2023	0	0	0

Reazioni Fx massime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
621	SLU 2	15242	2022	1768	0	0	0
1645	SLU 2	14933	-13536	1699	0	0	0
114	SLU 7	14873	13002	2086	0	0	0
684	SLU 2	14589	1006	1695	0	0	0
686	SLU 2	14470	1099	1816	0	0	0

Reazioni Fy minime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
1651	SLU 28	1569	-13707	2009	0	0	0
1652	SLU 28	1227	-13645	2005	0	0	0
1650	SLU 28	958	-13643	2020	0	0	0
1646	SLU 42	-15114	-13580	2639	0	0	0
1645	SLU 42	14928	-13538	2518	0	0	0

Reazioni Fy massime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
113	SLU 46	-15030	13143	2935	0	0	0
114	SLU 7	14873	13002	2086	0	0	0
108	SLU 20	-4152	12228	1902	0	0	0
107	SLU 20	-3597	12162	1865	0	0	0
155	SLU 20	-4562	12093	2122	0	0	0

Reazioni Fz minime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
196	SLV Y	18	-177	-426	0	0	0
139	SLV Y	20	-157	-421	0	0	0
143	SLV Y	24	-152	-414	0	0	0
188	SLV Y	27	-166	-410	0	0	0
89	SLV Y	25	-139	-410	0	0	0

Reazioni Fz massime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
845	SLU 51	2	3	3681	0	0	0
750	SLU 51	3	3	3498	0	0	0
843	SLU 52	-7161	-532	3452	0	0	0
745	SLU 51	4	3	3442	0	0	0
559	SLU 51	4	2	3273	0	0	0

7.3 Pressioni massime sul terreno

***Nodo**: Nodo che interagisce col terreno.*
***Ind.**: indice del nodo.*
***Pressione minima**: situazione in cui si verifica la pressione minima nel nodo.*
***Cont.**: nome breve della condizione o combinazione di carico a cui si riferisce la pressione minima.*
***uz**: spostamento massimo verticale del nodo. [cm]*
***Valore**: pressione minima sul terreno del nodo. [daN/cm²]*
***Pressione massima**: situazione in cui si verifica la pressione massima nel nodo.*
***Cont.**: nome breve della condizione o combinazione di carico a cui si riferisce la pressione massima.*
***uz**: spostamento minimo verticale del nodo. [cm]*
***Valore**: pressione massima sul terreno del nodo. [daN/cm²]*

Compressione estrema massima -1.43605 al nodo di indice 694, di coordinate x = 6447, y = 448, z = -173, nel contesto SLU 52.
Spostamento estremo minimo -1.43605 al nodo di indice 694, di coordinate x = 6447, y = 448, z = -173, nel contesto SLU 52.

Spostamento estremo massimo -0.4206 al nodo di indice 1706, di coordinate x = 5152, y = 1143, z = -173, nel contesto SLV 9.

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
2	SLU 52	-1.21863	-1.21863	SLV 9	-0.69563	-0.69563
3	SLU 52	-1.22399	-1.22399	SLU 1	-0.70043	-0.70043
4	SLU 52	-1.22607	-1.22607	SLU 1	-0.70155	-0.70155
5	SLU 52	-1.22441	-1.22441	SLU 1	-0.70337	-0.70337
6	SLU 52	-1.22309	-1.22309	SLV 9	-0.66789	-0.66789
7	SLU 52	-1.22689	-1.22689	SLV 9	-0.68029	-0.68029
8	SLU 52	-1.22903	-1.22903	SLV 5	-0.68576	-0.68576
9	SLU 52	-1.22916	-1.22916	SLV 5	-0.68392	-0.68392
10	SLU 52	-1.22667	-1.22667	SLV 9	-0.63909	-0.63909
11	SLU 52	-1.22929	-1.22929	SLV 9	-0.65016	-0.65016
12	SLU 52	-1.23151	-1.23151	SLV 5	-0.65497	-0.65497
13	SLU 52	-1.23293	-1.23293	SLV 5	-0.65473	-0.65473
15	SLU 52	-1.22873	-1.22873	SLV 9	-0.60849	-0.60849
16	SLU 52	-1.23119	-1.23119	SLV 9	-0.61861	-0.61861
17	SLU 52	-1.2335	-1.2335	SLV 5	-0.62285	-0.62285
18	SLU 52	-1.23527	-1.23527	SLV 5	-0.62332	-0.62332
19	SLU 52	-1.22963	-1.22963	SLV 9	-0.57724	-0.57724
20	SLU 52	-1.23295	-1.23295	SLV 9	-0.58603	-0.58603
21	SLU 52	-1.23535	-1.23535	SLV 5	-0.58977	-0.58977
22	SLU 52	-1.23644	-1.23644	SLV 5	-0.59083	-0.59083
23	SLU 52	-1.231	-1.231	SLV 9	-0.54696	-0.54696
24	SLU 52	-1.2353	-1.2353	SLV 9	-0.55365	-0.55365
25	SLU 52	-1.23776	-1.23776	SLV 5	-0.55701	-0.55701
26	SLU 52	-1.23784	-1.23784	SLV 5	-0.55912	-0.55912
27	SLU 50	-1.34294	-1.34294	SLV 11	-0.7399	-0.7399
28	SLU 50	-1.29644	-1.29644	SLV 11	-0.70932	-0.70932
29	SLU 52	-1.25212	-1.25212	SLV 11	-0.67968	-0.67968
30	SLU 52	-1.21205	-1.21205	SLV 11	-0.65197	-0.65197
31	SLU 52	-1.17783	-1.17783	SLV 11	-0.62705	-0.62705
32	SLU 51	-1.15062	-1.15062	SLV 11	-0.60542	-0.60542
33	SLU 51	-1.13053	-1.13053	SLV 11	-0.58712	-0.58712
34	SLU 51	-1.11651	-1.11651	SLV 11	-0.57169	-0.57169
35	SLU 51	-1.10686	-1.10686	SLV 11	-0.55822	-0.55822
36	SLU 51	-1.09913	-1.09913	SLV 11	-0.54541	-0.54541
37	SLU 51	-1.09091	-1.09091	SLV 11	-0.53203	-0.53203
38	SLU 51	-1.08107	-1.08107	SLV 11	-0.51749	-0.51749
39	SLU 51	-1.07015	-1.07015	SLV 11	-0.50212	-0.50212
40	SLU 51	-1.05967	-1.05967	SLV 11	-0.48679	-0.48679
41	SLU 51	-1.05102	-1.05102	SLV 11	-0.47242	-0.47242
42	SLU 51	-1.04487	-1.04487	SLV 11	-0.4596	-0.4596
43	SLU 51	-1.04101	-1.04101	SLV 11	-0.44864	-0.44864
44	SLU 51	-1.03858	-1.03858	SLV 11	-0.43963	-0.43963
45	SLU 51	-1.03655	-1.03655	SLV 11	-0.43256	-0.43256
46	SLU 51	-1.03439	-1.03439	SLV 11	-0.42741	-0.42741
47	SLU 51	-1.03244	-1.03244	SLV 11	-0.42421	-0.42421
48	SLU 51	-1.03154	-1.03154	SLV 11	-0.42302	-0.42302
49	SLU 51	-1.03226	-1.03226	SLV 11	-0.42389	-0.42389
50	SLU 51	-1.03455	-1.03455	SLV 11	-0.42675	-0.42675
51	SLU 51	-1.03775	-1.03775	SLV 11	-0.43145	-0.43145
52	SLU 51	-1.04098	-1.04098	SLV 7	-0.43782	-0.43782
53	SLU 51	-1.04385	-1.04385	SLV 7	-0.44575	-0.44575
54	SLU 51	-1.04681	-1.04681	SLV 7	-0.45523	-0.45523
55	SLU 51	-1.05086	-1.05086	SLV 7	-0.46629	-0.46629
56	SLU 51	-1.05682	-1.05682	SLV 7	-0.47884	-0.47884
57	SLU 51	-1.06484	-1.06484	SLV 7	-0.49253	-0.49253
58	SLU 51	-1.07423	-1.07423	SLV 7	-0.50671	-0.50671
59	SLU 51	-1.08355	-1.08355	SLV 7	-0.52044	-0.52044
60	SLU 51	-1.09122	-1.09122	SLV 7	-0.53281	-0.53281
61	SLU 51	-1.09663	-1.09663	SLV 7	-0.54348	-0.54348
62	SLU 51	-1.10088	-1.10088	SLV 7	-0.55306	-0.55306
63	SLU 51	-1.10642	-1.10642	SLV 7	-0.56282	-0.56282
64	SLU 52	-1.11596	-1.11596	SLV 7	-0.57408	-0.57408
65	SLU 52	-1.13132	-1.13132	SLV 7	-0.58781	-0.58781
66	SLU 52	-1.15324	-1.15324	SLV 7	-0.60452	-0.60452
67	SLU 52	-1.18175	-1.18175	SLV 7	-0.62424	-0.62424
68	SLU 52	-1.21602	-1.21602	SLV 7	-0.64659	-0.64659
69	SLU 52	-1.25443	-1.25443	SLV 7	-0.67077	-0.67077
70	SLU 52	-1.295	-1.295	SLV 7	-0.69589	-0.69589
71	SLU 51	-1.04088	-1.04088	SLV 11	-0.44132	-0.44132
72	SLU 51	-1.04194	-1.04194	SLV 11	-0.44266	-0.44266
73	SLU 51	-1.04405	-1.04405	SLV 11	-0.44583	-0.44583
74	SLU 51	-1.10662	-1.10662	SLV 7	-0.55846	-0.55846
75	SLU 51	-1.04619	-1.04619	SLV 11	-0.45085	-0.45085
76	SLU 51	-1.10547	-1.10547	SLV 11	-0.55823	-0.55823
77	SLU 51	-1.1345	-1.1345	SLV 11	-0.59764	-0.59764
78	SLU 51	-1.15395	-1.15395	SLV 11	-0.61539	-0.61539
79	SLU 51	-1.12122	-1.12122	SLV 11	-0.58298	-0.58298
80	SLU 51	-1.04792	-1.04792	SLV 11	-0.45779	-0.45779
81	SLU 51	-1.11244	-1.11244	SLV 11	-0.57042	-0.57042
82	SLU 51	-1.04235	-1.04235	SLV 11	-0.44343	-0.44343
83	SLU 51	-1.05196	-1.05196	SLV 7	-0.4571	-0.4571
84	SLU 51	-1.04971	-1.04971	SLV 11	-0.46635	-0.46635
85	SLU 51	-1.11086	-1.11086	SLV 7	-0.56814	-0.56814
86	SLU 52	-1.18029	-1.18029	SLV 11	-0.63667	-0.63667
87	SLU 51	-1.05476	-1.05476	SLV 7	-0.46494	-0.46494
88	SLU 51	-1.04877	-1.04877	SLV 7	-0.45132	-0.45132
89	SLU 51	-1.04518	-1.04518	SLV 7	-0.4467	-0.4467
90	SLU 51	-1.05293	-1.05293	SLV 11	-0.47672	-0.47672
91	SLU 51	-1.05857	-1.05857	SLV 11	-0.48887	-0.48887
92	SLU 52	-1.12526	-1.12526	SLV 7	-0.58844	-0.58844
93	SLU 51	-1.11613	-1.11613	SLV 7	-0.57759	-0.57759
94	SLU 52	-1.162	-1.162	SLV 7	-0.61828	-0.61828
95	SLU 52	-1.14042	-1.14042	SLV 7	-0.60191	-0.60191
96	SLU 51	-1.05741	-1.05741	SLV 7	-0.47419	-0.47419
97	SLU 51	-1.06705	-1.06705	SLV 11	-0.5029	-0.5029
98	SLU 52	-1.21343	-1.21343	SLV 11	-0.66109	-0.66109
99	SLU 51	-1.06114	-1.06114	SLV 7	-0.48494	-0.48494
100	SLU 52	-1.19006	-1.19006	SLV 7	-0.63787	-0.63787

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
101	SLU 51	-1.07765	-1.07765	SLV 11	-0.51799	-0.51799
102	SLU 51	-1.09854	-1.09854	SLV 11	-0.54699	-0.54699
103	SLU 51	-1.0888	-1.0888	SLV 11	-0.53302	-0.53302
104	SLU 51	-1.06697	-1.06697	SLV 7	-0.49723	-0.49723
105	SLU 51	-1.10263	-1.10263	SLV 7	-0.55022	-0.55022
106	SLU 51	-1.07503	-1.07503	SLV 7	-0.51061	-0.51061
107	SLU 51	-1.08479	-1.08479	SLV 7	-0.52462	-0.52462
108	SLU 51	-1.09472	-1.09472	SLV 7	-0.53827	-0.53827
109	SLU 52	-1.2523	-1.2523	SLV 11	-0.6888	-0.6888
110	SLU 52	-1.22443	-1.22443	SLV 7	-0.66094	-0.66094
111	SLU 50	-1.3503	-1.3503	SLV 11	-0.75483	-0.75483
112	SLU 52	-1.31048	-1.31048	SLV 7	-0.71557	-0.71557
113	SLU 52	-1.2677	-1.2677	SLV 7	-0.69052	-0.69052
114	SLU 50	-1.29834	-1.29834	SLV 11	-0.72224	-0.72224
115	SLU 51	-1.05055	-1.05055	SLV 11	-0.46071	-0.46071
116	SLU 51	-1.05161	-1.05161	SLV 11	-0.46177	-0.46177
117	SLU 51	-1.05399	-1.05399	SLV 11	-0.46481	-0.46481
118	SLU 51	-1.05616	-1.05616	SLV 11	-0.46954	-0.46954
119	SLU 51	-1.11202	-1.11202	SLV 11	-0.57155	-0.57155
120	SLU 51	-1.05742	-1.05742	SLV 11	-0.47633	-0.47633
121	SLU 51	-1.15697	-1.15697	SLV 11	-0.62556	-0.62556
122	SLU 51	-1.13824	-1.13824	SLV 11	-0.60855	-0.60855
123	SLU 51	-1.11778	-1.11778	SLV 11	-0.58274	-0.58274
124	SLU 51	-1.18241	-1.18241	SLV 11	-0.6461	-0.6461
125	SLU 51	-1.05829	-1.05829	SLV 11	-0.48427	-0.48427
126	SLU 52	-1.21431	-1.21431	SLV 11	-0.66948	-0.66948
127	SLU 51	-1.12572	-1.12572	SLV 11	-0.59467	-0.59467
128	SLU 51	-1.0636	-1.0636	SLV 7	-0.47732	-0.47732
129	SLU 51	-1.12072	-1.12072	SLV 7	-0.58338	-0.58338
130	SLU 52	-1.19726	-1.19726	SLV 7	-0.65026	-0.65026
131	SLU 52	-1.17023	-1.17023	SLV 7	-0.63162	-0.63162
132	SLU 51	-1.06079	-1.06079	SLV 11	-0.49401	-0.49401
133	SLU 52	-1.24916	-1.24916	SLV 11	-0.69397	-0.69397
134	SLU 52	-1.14908	-1.14908	SLV 7	-0.61574	-0.61574
135	SLU 51	-1.06608	-1.06608	SLV 7	-0.48483	-0.48483
136	SLU 51	-1.06026	-1.06026	SLV 7	-0.47205	-0.47205
137	SLU 52	-1.22785	-1.22785	SLV 7	-0.67046	-0.67046
138	SLU 51	-1.06595	-1.06595	SLV 11	-0.5056	-0.5056
139	SLU 51	-1.05299	-1.05299	SLV 11	-0.46462	-0.46462
140	SLU 51	-1.11824	-1.11824	SLV 7	-0.57592	-0.57592
141	SLU 51	-1.13443	-1.13443	SLV 7	-0.60297	-0.60297
142	SLU 51	-1.12572	-1.12572	SLV 7	-0.59267	-0.59267
143	SLU 51	-1.05629	-1.05629	SLV 7	-0.46795	-0.46795
144	SLU 51	-1.06811	-1.06811	SLV 7	-0.49371	-0.49371
145	SLU 51	-1.0741	-1.0741	SLV 11	-0.51899	-0.51899
146	SLU 51	-1.07134	-1.07134	SLV 7	-0.50395	-0.50395
147	SLU 51	-1.08478	-1.08478	SLV 11	-0.53378	-0.53378
148	SLU 51	-1.07678	-1.07678	SLV 7	-0.51555	-0.51555
149	SLU 51	-1.08489	-1.08489	SLV 7	-0.52868	-0.52868
150	SLU 52	-1.27758	-1.27758	SLV 11	-0.71404	-0.71404
151	SLU 51	-1.09678	-1.09678	SLV 11	-0.54929	-0.54929
152	SLU 52	-1.25344	-1.25344	SLV 7	-0.68756	-0.68756
153	SLU 51	-1.09519	-1.09519	SLV 7	-0.54281	-0.54281
154	SLU 51	-1.10712	-1.10712	SLV 11	-0.5634	-0.5634
155	SLU 51	-1.10639	-1.10639	SLV 7	-0.5571	-0.5571
156	SLU 51	-1.11547	-1.11547	SLV 7	-0.5695	-0.5695
157	SLU 50	-1.3573	-1.3573	SLU 4	-0.76128	-0.76128
158	SLU 52	-1.3259	-1.3259	SLV 7	-0.73511	-0.73511
159	SLU 52	-1.29207	-1.29207	SLV 7	-0.71624	-0.71624
160	SLU 50	-1.31628	-1.31628	SLU 4	-0.74033	-0.74033
161	SLU 51	-1.06086	-1.06086	SLV 11	-0.48092	-0.48092
162	SLU 51	-1.06348	-1.06348	SLV 11	-0.48372	-0.48372
163	SLU 51	-1.06624	-1.06624	SLV 11	-0.48863	-0.48863
164	SLU 51	-1.06057	-1.06057	SLV 11	-0.48169	-0.48169
165	SLU 52	-1.28457	-1.28457	SLU 1	-0.72365	-0.72365
166	SLU 52	-1.26525	-1.26525	SLV 7	-0.70178	-0.70178
167	SLU 51	-1.06663	-1.06663	SLV 11	-0.49531	-0.49531
168	SLU 51	-1.07518	-1.07518	SLV 7	-0.49762	-0.49762
169	SLU 51	-1.0666	-1.0666	SLV 11	-0.50285	-0.50285
170	SLU 52	-1.24948	-1.24948	SLV 11	-0.7026	-0.7026
171	SLU 52	-1.2349	-1.2349	SLV 7	-0.68326	-0.68326
172	SLU 52	-1.20524	-1.20524	SLV 7	-0.66382	-0.66382
173	SLU 52	-1.21523	-1.21523	SLV 11	-0.67881	-0.67881
174	SLU 51	-1.06841	-1.06841	SLV 11	-0.51186	-0.51186
175	SLU 51	-1.15948	-1.15948	SLV 11	-0.63619	-0.63619
176	SLU 51	-1.0772	-1.0772	SLV 7	-0.50525	-0.50525
177	SLU 51	-1.07156	-1.07156	SLV 7	-0.49334	-0.49334
178	SLU 51	-1.14149	-1.14149	SLV 11	-0.61985	-0.61985
179	SLU 51	-1.1841	-1.1841	SLV 11	-0.65603	-0.65603
180	SLU 51	-1.12969	-1.12969	SLV 11	-0.60676	-0.60676
181	SLU 51	-1.07302	-1.07302	SLV 11	-0.52269	-0.52269
182	SLU 52	-1.17864	-1.17864	SLV 7	-0.64576	-0.64576
183	SLU 51	-1.08064	-1.08064	SLV 11	-0.53519	-0.53519
184	SLU 52	-1.15788	-1.15788	SLV 7	-0.63035	-0.63035
185	SLU 51	-1.07852	-1.07852	SLV 7	-0.51371	-0.51371
186	SLU 51	-1.12283	-1.12283	SLV 11	-0.5964	-0.5964
187	SLU 51	-1.08103	-1.08103	SLV 7	-0.52287	-0.52287
188	SLU 51	-1.06728	-1.06728	SLV 7	-0.49008	-0.49008
189	SLU 51	-1.14353	-1.14353	SLV 7	-0.61793	-0.61793
190	SLU 51	-1.09105	-1.09105	SLV 11	-0.54935	-0.54935
191	SLU 51	-1.08618	-1.08618	SLV 7	-0.53392	-0.53392
192	SLU 51	-1.13517	-1.13517	SLV 7	-0.60836	-0.60836
193	SLU 51	-1.09423	-1.09423	SLV 7	-0.54677	-0.54677
194	SLU 51	-1.13121	-1.13121	SLV 7	-0.60092	-0.60092
195	SLU 51	-1.11909	-1.11909	SLV 11	-0.58828	-0.58828
196	SLU 51	-1.06435	-1.06435	SLV 7	-0.48857	-0.48857
197	SLU 51	-1.10356	-1.10356	SLV 11	-0.56524	-0.56524
198	SLU 51	-1.10464	-1.10464	SLV 7	-0.5607	-0.5607
199	SLU 51	-1.13007	-1.13007	SLV 7	-0.59543	-0.59543

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
200	SLU 51	-1.11683	-1.11683	SLV 7	-0.57566	-0.57566
201	SLU 51	-1.11627	-1.11627	SLV 11	-0.58322	-0.58322
202	SLU 51	-1.12903	-1.12903	SLV 7	-0.59159	-0.59159
203	SLU 51	-1.0689	-1.0689	SLV 11	-0.49884	-0.49884
204	SLU 50	-1.36094	-1.36094	SLU 4	-0.76398	-0.76398
207	SLU 52	-1.33856	-1.33856	SLV 7	-0.75395	-0.75395
208	SLU 51	-1.06812	-1.06812	SLV 11	-0.49837	-0.49837
209	SLU 51	-1.07156	-1.07156	SLV 11	-0.502	-0.502
210	SLU 51	-1.06912	-1.06912	SLV 11	-0.50033	-0.50033
211	SLU 51	-1.07501	-1.07501	SLV 11	-0.50819	-0.50819
212	SLU 51	-1.08412	-1.08412	SLV 7	-0.51553	-0.51553
213	SLU 52	-1.32271	-1.32271	SLU 1	-0.74429	-0.74429
214	SLU 52	-1.30633	-1.30633	SLV 7	-0.73568	-0.73568
215	SLU 51	-1.07462	-1.07462	SLV 11	-0.51471	-0.51471
216	SLU 52	-1.28656	-1.28656	SLU 1	-0.7252	-0.7252
217	SLU 51	-1.07413	-1.07413	SLV 11	-0.52158	-0.52158
218	SLU 52	-1.2751	-1.2751	SLV 7	-0.7172	-0.7172
219	SLU 51	-1.08171	-1.08171	SLV 7	-0.51506	-0.51506
220	SLU 52	-1.25096	-1.25096	SLU 1	-0.70634	-0.70634
221	SLU 51	-1.08702	-1.08702	SLV 7	-0.52602	-0.52602
222	SLU 51	-1.0756	-1.0756	SLV 11	-0.53004	-0.53004
223	SLU 52	-1.24377	-1.24377	SLV 7	-0.69775	-0.69775
224	SLU 51	-1.09573	-1.09573	SLV 11	-0.56355	-0.56355
225	SLU 52	-1.21544	-1.21544	SLU 1	-0.68748	-0.68748
226	SLU 51	-1.08642	-1.08642	SLV 11	-0.55109	-0.55109
227	SLU 51	-1.07965	-1.07965	SLV 11	-0.53999	-0.53999
228	SLU 51	-1.10658	-1.10658	SLV 11	-0.57701	-0.57701
229	SLU 51	-1.1613	-1.1613	SLV 11	-0.6466	-0.6466
230	SLU 51	-1.14396	-1.14396	SLV 11	-0.63087	-0.63087
231	SLU 51	-1.1851	-1.1851	SLV 11	-0.66578	-0.66578
232	SLU 52	-1.21338	-1.21338	SLV 7	-0.67815	-0.67815
233	SLU 51	-1.13261	-1.13261	SLV 11	-0.61842	-0.61842
234	SLU 51	-1.08824	-1.08824	SLV 7	-0.53411	-0.53411
235	SLU 51	-1.07792	-1.07792	SLV 7	-0.51283	-0.51283
236	SLU 51	-1.12591	-1.12591	SLV 11	-0.60853	-0.60853
237	SLU 52	-1.18707	-1.18707	SLV 7	-0.66037	-0.66037
238	SLU 51	-1.09073	-1.09073	SLV 7	-0.54294	-0.54294
239	SLU 51	-1.12176	-1.12176	SLV 11	-0.60026	-0.60026
240	SLU 51	-1.09553	-1.09553	SLV 7	-0.55317	-0.55317
241	SLU 52	-1.16658	-1.16658	SLV 7	-0.64537	-0.64537
242	SLU 51	-1.1029	-1.1029	SLV 7	-0.56477	-0.56477
243	SLU 51	-1.1524	-1.1524	SLV 7	-0.63323	-0.63323
244	SLU 51	-1.1124	-1.1124	SLV 7	-0.57725	-0.57725
245	SLU 51	-1.11662	-1.11662	SLV 11	-0.59145	-0.59145
246	SLU 51	-1.0754	-1.0754	SLV 7	-0.5121	-0.5121
247	SLU 51	-1.14387	-1.14387	SLV 7	-0.62402	-0.62402
248	SLU 51	-1.12315	-1.12315	SLV 7	-0.59036	-0.59036
249	SLU 51	-1.13954	-1.13954	SLV 7	-0.61694	-0.61694
250	SLU 51	-1.13713	-1.13713	SLV 7	-0.61083	-0.61083
251	SLU 51	-1.13295	-1.13295	SLV 7	-0.60348	-0.60348
252	SLU 51	-1.07546	-1.07546	SLV 11	-0.51466	-0.51466
253	SLU 51	-1.07536	-1.07536	SLV 11	-0.51523	-0.51523
254	SLU 51	-1.07614	-1.07614	SLV 11	-0.51637	-0.51637
255	SLU 51	-1.07777	-1.07777	SLV 11	-0.51865	-0.51865
256	SLU 51	-1.0792	-1.0792	SLV 11	-0.52129	-0.52129
257	SLU 50	-1.35598	-1.35598	SLU 4	-0.76224	-0.76224
258	SLU 52	-1.34544	-1.34544	SLU 1	-0.76144	-0.76144
259	SLU 51	-1.08176	-1.08176	SLV 11	-0.53616	-0.53616
260	SLU 52	-1.32171	-1.32171	SLU 1	-0.74433	-0.74433
261	SLU 51	-1.08116	-1.08116	SLV 11	-0.54083	-0.54083
262	SLU 52	-1.31578	-1.31578	SLU 1	-0.74518	-0.74518
263	SLU 51	-1.0828	-1.0828	SLV 11	-0.53398	-0.53398
264	SLU 51	-1.08241	-1.08241	SLV 11	-0.54821	-0.54821
265	SLU 52	-1.28564	-1.28564	SLU 1	-0.72524	-0.72524
266	SLU 51	-1.09405	-1.09405	SLV 7	-0.54266	-0.54266
267	SLU 52	-1.28395	-1.28395	SLU 1	-0.72774	-0.72774
268	SLU 51	-1.09116	-1.09116	SLV 7	-0.53868	-0.53868
269	SLU 52	-1.24984	-1.24984	SLU 1	-0.70626	-0.70626
270	SLU 51	-1.09997	-1.09997	SLV 11	-0.57869	-0.57869
271	SLU 51	-1.09205	-1.09205	SLV 11	-0.56776	-0.56776
272	SLU 51	-1.10882	-1.10882	SLV 11	-0.59054	-0.59054
273	SLU 51	-1.2147	-1.2147	SLU 2	-0.68756	-0.68756
274	SLU 52	-1.25136	-1.25136	SLU 1	-0.70982	-0.70982
275	SLU 51	-1.08625	-1.08625	SLV 11	-0.5581	-0.5581
276	SLU 51	-1.08771	-1.08771	SLV 7	-0.5356	-0.5356
277	SLU 51	-1.14582	-1.14582	SLV 11	-0.64159	-0.64159
278	SLU 51	-1.16252	-1.16252	SLV 11	-0.65665	-0.65665
279	SLU 51	-1.1855	-1.1855	SLU 2	-0.67116	-0.67116
280	SLU 51	-1.13467	-1.13467	SLV 11	-0.62962	-0.62962
281	SLU 51	-1.12755	-1.12755	SLV 11	-0.61977	-0.61977
282	SLU 51	-1.09647	-1.09647	SLV 7	-0.54951	-0.54951
283	SLU 51	-1.1224	-1.1224	SLV 11	-0.6111	-0.6111
284	SLU 51	-1.11666	-1.11666	SLV 11	-0.60185	-0.60185
285	SLU 51	-1.0849	-1.0849	SLV 7	-0.53355	-0.53355
286	SLU 52	-1.22126	-1.22126	SLV 7	-0.69236	-0.69236
287	SLU 51	-1.08402	-1.08402	SLV 11	-0.5359	-0.5359
288	SLU 51	-1.09798	-1.09798	SLV 7	-0.55619	-0.55619
289	SLU 51	-1.08354	-1.08354	SLV 11	-0.5333	-0.5333
290	SLU 51	-1.10054	-1.10054	SLV 7	-0.56413	-0.56413
291	SLU 52	-1.19535	-1.19535	SLV 7	-0.67492	-0.67492
292	SLU 51	-1.08371	-1.08371	SLV 11	-0.5351	-0.5351
293	SLU 51	-1.08296	-1.08296	SLV 11	-0.53337	-0.53337
294	SLU 51	-1.08309	-1.08309	SLV 11	-0.5339	-0.5339
295	SLU 51	-1.10511	-1.10511	SLV 7	-0.57354	-0.57354
296	SLU 51	-1.17518	-1.17518	SLV 7	-0.6603	-0.6603
297	SLU 51	-1.11186	-1.11186	SLV 7	-0.58415	-0.58415
298	SLU 51	-1.16097	-1.16097	SLV 7	-0.64849	-0.64849
299	SLU 51	-1.12022	-1.12022	SLV 7	-0.59535	-0.59535
300	SLU 51	-1.1518	-1.1518	SLV 7	-0.63923	-0.63923

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
301	SLU 51	-1.12909	-1.12909	SLV 7	-0.60653	-0.60653
302	SLU 51	-1.14628	-1.14628	SLV 7	-0.63178	-0.63178
303	SLU 51	-1.14218	-1.14218	SLV 7	-0.62498	-0.62498
304	SLU 51	-1.13689	-1.13689	SLV 7	-0.61694	-0.61694
305	SLU 51	-1.08817	-1.08817	SLV 11	-0.55541	-0.55541
306	SLU 51	-1.08787	-1.08787	SLV 11	-0.55928	-0.55928
307	SLU 51	-1.08902	-1.08902	SLV 11	-0.55342	-0.55342
308	SLU 51	-1.08995	-1.08995	SLV 11	-0.55317	-0.55317
309	SLU 51	-1.08922	-1.08922	SLV 11	-0.56609	-0.56609
310	SLU 51	-1.09021	-1.09021	SLV 11	-0.55241	-0.55241
311	SLU 51	-1.09034	-1.09034	SLV 11	-0.55181	-0.55181
312	SLU 52	-1.34837	-1.34837	SLU 1	-0.75902	-0.75902
313	SLU 52	-1.35132	-1.35132	SLU 1	-0.76431	-0.76431
314	SLU 51	-1.09092	-1.09092	SLV 11	-0.55201	-0.55201
315	SLU 51	-1.09218	-1.09218	SLV 7	-0.55296	-0.55296
316	SLU 51	-1.09423	-1.09423	SLV 7	-0.55472	-0.55472
317	SLU 52	-1.31686	-1.31686	SLU 1	-0.74232	-0.74232
318	SLU 51	-1.0971	-1.0971	SLV 7	-0.55762	-0.55762
319	SLU 51	-1.1001	-1.1001	SLV 7	-0.56105	-0.56105
320	SLU 52	-1.3221	-1.3221	SLU 1	-0.74832	-0.74832
321	SLU 51	-1.11134	-1.11134	SLV 11	-0.60381	-0.60381
322	SLU 51	-1.10289	-1.10289	SLV 7	-0.56556	-0.56556
323	SLU 51	-1.10446	-1.10446	SLV 11	-0.59419	-0.59419
324	SLU 52	-1.28238	-1.28238	SLU 1	-0.72404	-0.72404
325	SLU 51	-1.11781	-1.11781	SLV 11	-0.61344	-0.61344
326	SLU 51	-1.12343	-1.12343	SLV 11	-0.62222	-0.62222
327	SLU 51	-1.12917	-1.12917	SLV 11	-0.63099	-0.63099
328	SLU 52	-1.24714	-1.24714	SLU 1	-0.70532	-0.70532
329	SLU 51	-1.13663	-1.13663	SLV 11	-0.64055	-0.64055
330	SLU 51	-1.14764	-1.14764	SLU 2	-0.6494	-0.6494
331	SLU 52	-1.2908	-1.2908	SLU 1	-0.73118	-0.73118
332	SLU 51	-1.16369	-1.16369	SLU 2	-0.6589	-0.6589
333	SLU 51	-1.21388	-1.21388	SLU 2	-0.68737	-0.68737
334	SLU 51	-1.1858	-1.1858	SLU 2	-0.67158	-0.67158
335	SLU 51	-1.09828	-1.09828	SLV 11	-0.58546	-0.58546
336	SLU 51	-1.10531	-1.10531	SLV 7	-0.57128	-0.57128
337	SLU 52	-1.25892	-1.25892	SLU 1	-0.71369	-0.71369
338	SLU 51	-1.10735	-1.10735	SLV 7	-0.57738	-0.57738
339	SLU 51	-1.1102	-1.1102	SLV 7	-0.5847	-0.5847
340	SLU 52	-1.22919	-1.22919	SLU 1	-0.6973	-0.6973
341	SLU 51	-1.09383	-1.09383	SLV 11	-0.57816	-0.57816
342	SLU 52	-1.20375	-1.20375	SLU 1	-0.68317	-0.68317
343	SLU 51	-1.11468	-1.11468	SLV 7	-0.59341	-0.59341
344	SLU 51	-1.18386	-1.18386	SLU 2	-0.67148	-0.67148
345	SLU 51	-1.12079	-1.12079	SLV 7	-0.60292	-0.60292
346	SLU 51	-1.1695	-1.1695	SLU 2	-0.66243	-0.66243
347	SLU 51	-1.12824	-1.12824	SLV 7	-0.61315	-0.61315
348	SLU 51	-1.1598	-1.1598	SLV 7	-0.65427	-0.65427
349	SLU 51	-1.13585	-1.13585	SLV 7	-0.62302	-0.62302
350	SLU 51	-1.15327	-1.15327	SLV 7	-0.64665	-0.64665
351	SLU 51	-1.14809	-1.14809	SLV 7	-0.63953	-0.63953
352	SLU 51	-1.14256	-1.14256	SLV 7	-0.63185	-0.63185
353	SLU 51	-1.09508	-1.09508	SLV 11	-0.57338	-0.57338
354	SLU 51	-1.09469	-1.09469	SLV 11	-0.57627	-0.57627
355	SLU 51	-1.09598	-1.09598	SLV 11	-0.57174	-0.57174
356	SLU 51	-1.09528	-1.09528	SLV 11	-0.58049	-0.58049
357	SLU 51	-1.09694	-1.09694	SLV 11	-0.57097	-0.57097
358	SLU 51	-1.09773	-1.09773	SLV 11	-0.57057	-0.57057
359	SLU 51	-1.09853	-1.09853	SLV 11	-0.5706	-0.5706
360	SLU 51	-1.09688	-1.09688	SLV 11	-0.58542	-0.58542
361	SLU 51	-1.0998	-1.0998	SLV 11	-0.57159	-0.57159
362	SLU 51	-1.10166	-1.10166	SLV 7	-0.57336	-0.57336
363	SLU 51	-1.10414	-1.10414	SLV 7	-0.57593	-0.57593
364	SLU 51	-1.10706	-1.10706	SLV 7	-0.57921	-0.57921
365	SLU 51	-1.11001	-1.11001	SLV 7	-0.58296	-0.58296
366	SLU 51	-1.11565	-1.11565	SLV 11	-0.61782	-0.61782
367	SLU 51	-1.11268	-1.11268	SLV 7	-0.58728	-0.58728
368	SLU 51	-1.12111	-1.12111	SLV 11	-0.62613	-0.62613
369	SLU 51	-1.11029	-1.11029	SLV 11	-0.61007	-0.61007
370	SLU 51	-1.11495	-1.11495	SLV 7	-0.59211	-0.59211
371	SLU 51	-1.12639	-1.12639	SLV 11	-0.63439	-0.63439
372	SLU 51	-1.13205	-1.13205	SLU 2	-0.63946	-0.63946
373	SLU 51	-1.13941	-1.13941	SLU 2	-0.64437	-0.64437
374	SLU 51	-1.15015	-1.15015	SLU 2	-0.65106	-0.65106
375	SLU 51	-1.10573	-1.10573	SLV 11	-0.60345	-0.60345
376	SLU 51	-1.16545	-1.16545	SLU 2	-0.66012	-0.66012
377	SLU 52	-1.34322	-1.34322	SLU 1	-0.75681	-0.75681
378	SLU 52	-1.36003	-1.36003	SLU 1	-0.76858	-0.76858
379	SLU 51	-1.18662	-1.18662	SLU 2	-0.67228	-0.67228
380	SLU 51	-1.11724	-1.11724	SLV 7	-0.59776	-0.59776
381	SLU 52	-1.31123	-1.31123	SLU 1	-0.73983	-0.73983
382	SLU 51	-1.21356	-1.21356	SLU 2	-0.68746	-0.68746
383	SLU 52	-1.27865	-1.27865	SLU 1	-0.72253	-0.72253
384	SLU 52	-1.24513	-1.24513	SLU 1	-0.70472	-0.70472
385	SLU 52	-1.33169	-1.33169	SLU 1	-0.75312	-0.75312
386	SLU 51	-1.12022	-1.12022	SLV 7	-0.60448	-0.60448
387	SLU 52	-1.30054	-1.30054	SLU 1	-0.73612	-0.73612
388	SLU 52	-1.26832	-1.26832	SLU 1	-0.71849	-0.71849
389	SLU 51	-1.10291	-1.10291	SLV 11	-0.59898	-0.59898
390	SLU 51	-1.12465	-1.12465	SLV 7	-0.61258	-0.61258
391	SLU 52	-1.23832	-1.23832	SLU 1	-0.702	-0.702
392	SLU 52	-1.21277	-1.21277	SLU 1	-0.68786	-0.68786
393	SLU 51	-1.13064	-1.13064	SLV 7	-0.6217	-0.6217
394	SLU 51	-1.19297	-1.19297	SLU 2	-0.67605	-0.67605
395	SLU 51	-1.13758	-1.13758	SLV 7	-0.63108	-0.63108
396	SLU 51	-1.17856	-1.17856	SLU 2	-0.66704	-0.66704
397	SLU 51	-1.16866	-1.16866	SLU 2	-0.6604	-0.6604
398	SLU 51	-1.14459	-1.14459	SLV 7	-0.64004	-0.64004
399	SLU 51	-1.16181	-1.16181	SLU 2	-0.6554	-0.6554

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
400	SLU 51	-1.1509	-1.1509	SLU 2	-0.64699	-0.64699
401	SLU 51	-1.15637	-1.15637	SLU 2	-0.65118	-0.65118
402	SLU 51	-1.10277	-1.10277	SLV 11	-0.59843	-0.59843
403	SLU 51	-1.1023	-1.1023	SLV 11	-0.59583	-0.59583
404	SLU 51	-1.10236	-1.10236	SLV 11	-0.59317	-0.59317
405	SLU 51	-1.1031	-1.1031	SLV 11	-0.5912	-0.5912
406	SLU 51	-1.10412	-1.10412	SLV 11	-0.58982	-0.58982
407	SLU 51	-1.1053	-1.1053	SLV 11	-0.58922	-0.58922
408	SLU 51	-1.10647	-1.10647	SLV 11	-0.58917	-0.58917
409	SLU 51	-1.10779	-1.10779	SLV 11	-0.5898	-0.5898
410	SLU 51	-1.10959	-1.10959	SLV 11	-0.59138	-0.59138
411	SLU 51	-1.112	-1.112	SLV 7	-0.59387	-0.59387
412	SLU 51	-1.115	-1.115	SLV 7	-0.59715	-0.59715
413	SLU 51	-1.11827	-1.11827	SLV 7	-0.6009	-0.6009
414	SLU 51	-1.12125	-1.12125	SLV 7	-0.60457	-0.60457
415	SLU 51	-1.12389	-1.12389	SLV 7	-0.60858	-0.60858
416	SLU 51	-1.12217	-1.12217	SLU 2	-0.6317	-0.6317
417	SLU 51	-1.11769	-1.11769	SLV 11	-0.626	-0.626
418	SLU 51	-1.12602	-1.12602	SLV 7	-0.6128	-0.6128
419	SLU 51	-1.12703	-1.12703	SLU 2	-0.63521	-0.63521
420	SLU 51	-1.11404	-1.11404	SLV 11	-0.62063	-0.62063
421	SLU 51	-1.12812	-1.12812	SLV 7	-0.61767	-0.61767
422	SLU 51	-1.14378	-1.14378	SLU 2	-0.64708	-0.64708
423	SLU 51	-1.13714	-1.13714	SLU 2	-0.64259	-0.64259
424	SLU 51	-1.1536	-1.1536	SLU 2	-0.65323	-0.65323
425	SLU 51	-1.13222	-1.13222	SLU 2	-0.63898	-0.63898
426	SLU 51	-1.16793	-1.16793	SLU 2	-0.66175	-0.66175
427	SLU 51	-1.13101	-1.13101	SLV 7	-0.62382	-0.62382
428	SLU 51	-1.18799	-1.18799	SLU 2	-0.67328	-0.67328
429	SLU 51	-1.11167	-1.11167	SLV 11	-0.61675	-0.61675
430	SLU 51	-1.214	-1.214	SLU 2	-0.68794	-0.68794
431	SLU 52	-1.24507	-1.24507	SLU 1	-0.70509	-0.70509
432	SLU 52	-1.27836	-1.27836	SLU 1	-0.72279	-0.72279
433	SLU 51	-1.13544	-1.13544	SLV 7	-0.63151	-0.63151
434	SLU 52	-1.31023	-1.31023	SLU 1	-0.73972	-0.73972
435	SLU 52	-1.34225	-1.34225	SLU 1	-0.75673	-0.75673
436	SLU 52	-1.37286	-1.37286	SLU 1	-0.77496	-0.77496
437	SLU 51	-1.11083	-1.11083	SLV 11	-0.6145	-0.6145
438	SLU 52	-1.34336	-1.34336	SLU 1	-0.75893	-0.75893
439	SLU 52	-1.3117	-1.3117	SLU 1	-0.74172	-0.74172
440	SLU 51	-1.11054	-1.11054	SLV 11	-0.61207	-0.61207
441	SLU 52	-1.27883	-1.27883	SLU 1	-0.72381	-0.72381
442	SLU 51	-1.14166	-1.14166	SLU 2	-0.63885	-0.63885
443	SLU 51	-1.11107	-1.11107	SLV 11	-0.61015	-0.61015
444	SLU 52	-1.24831	-1.24831	SLU 1	-0.70711	-0.70711
445	SLU 51	-1.11221	-1.11221	SLV 11	-0.60885	-0.60885
446	SLU 51	-1.11362	-1.11362	SLV 11	-0.60807	-0.60807
447	SLU 51	-1.11505	-1.11505	SLV 11	-0.6078	-0.6078
448	SLU 51	-1.22248	-1.22248	SLU 2	-0.69278	-0.69278
449	SLU 51	-1.11649	-1.11649	SLV 11	-0.60811	-0.60811
450	SLU 51	-1.14886	-1.14886	SLU 2	-0.64369	-0.64369
451	SLU 51	-1.20262	-1.20262	SLU 2	-0.68094	-0.68094
452	SLU 51	-1.11812	-1.11812	SLV 11	-0.60916	-0.60916
453	SLU 51	-1.18837	-1.18837	SLU 2	-0.67207	-0.67207
454	SLU 51	-1.15578	-1.15578	SLU 2	-0.64845	-0.64845
455	SLU 51	-1.1788	-1.1788	SLU 2	-0.66568	-0.66568
456	SLU 51	-1.17234	-1.17234	SLU 2	-0.66094	-0.66094
457	SLU 51	-1.16202	-1.16202	SLU 2	-0.65294	-0.65294
458	SLU 51	-1.16725	-1.16725	SLU 2	-0.65695	-0.65695
459	SLU 51	-1.12027	-1.12027	SLV 11	-0.6112	-0.6112
460	SLU 51	-1.12312	-1.12312	SLV 7	-0.61424	-0.61424
461	SLU 51	-1.12678	-1.12678	SLV 7	-0.61829	-0.61829
462	SLU 51	-1.13066	-1.13066	SLV 7	-0.62253	-0.62253
463	SLU 51	-1.13404	-1.13404	SLV 7	-0.62636	-0.62636
464	SLU 51	-1.13654	-1.13654	SLV 7	-0.62977	-0.62977
465	SLU 51	-1.13062	-1.13062	SLU 2	-0.63667	-0.63667
466	SLU 51	-1.1383	-1.1383	SLV 7	-0.63318	-0.63318
467	SLU 51	-1.12655	-1.12655	SLU 2	-0.63372	-0.63372
468	SLU 51	-1.1232	-1.1232	SLU 2	-0.63123	-0.63123
469	SLU 51	-1.13986	-1.13986	SLU 2	-0.6358	-0.6358
470	SLU 51	-1.1354	-1.1354	SLU 2	-0.64009	-0.64009
471	SLU 51	-1.12094	-1.12094	SLU 2	-0.6294	-0.6294
472	SLU 51	-1.14239	-1.14239	SLU 2	-0.63777	-0.63777
473	SLU 51	-1.12	-1.12	SLU 2	-0.62831	-0.62831
474	SLU 51	-1.15841	-1.15841	SLU 2	-0.65618	-0.65618
475	SLU 51	-1.14995	-1.14995	SLU 2	-0.6508	-0.6508
476	SLU 51	-1.17146	-1.17146	SLU 2	-0.66395	-0.66395
477	SLU 51	-1.11987	-1.11987	SLU 2	-0.62766	-0.62766
478	SLU 51	-1.12078	-1.12078	SLV 11	-0.62734	-0.62734
479	SLU 51	-1.12425	-1.12425	SLV 11	-0.62631	-0.62631
480	SLU 51	-1.12244	-1.12244	SLV 11	-0.62662	-0.62662
481	SLU 51	-1.12594	-1.12594	SLV 11	-0.62642	-0.62642
482	SLU 51	-1.14486	-1.14486	SLU 2	-0.64719	-0.64719
483	SLU 51	-1.19042	-1.19042	SLU 2	-0.67486	-0.67486
484	SLU 51	-1.12753	-1.12753	SLV 11	-0.62706	-0.62706
485	SLU 51	-1.14674	-1.14674	SLU 2	-0.64083	-0.64083
486	SLU 51	-1.12925	-1.12925	SLV 11	-0.62839	-0.62839
487	SLU 51	-1.21543	-1.21543	SLU 2	-0.68894	-0.68894
488	SLU 52	-1.24595	-1.24595	SLU 1	-0.7059	-0.7059
489	SLU 51	-1.13156	-1.13156	SLV 11	-0.6308	-0.6308
490	SLU 51	-1.14193	-1.14193	SLU 2	-0.64464	-0.64464
491	SLU 52	-1.27868	-1.27868	SLU 1	-0.7233	-0.7233
492	SLU 52	-1.3128	-1.3128	SLU 1	-0.74142	-0.74142
493	SLU 51	-1.13464	-1.13464	SLU 2	-0.63239	-0.63239
494	SLU 51	-1.15367	-1.15367	SLU 2	-0.6454	-0.6454
495	SLU 52	-1.34574	-1.34574	SLU 1	-0.75891	-0.75891
496	SLU 52	-1.38964	-1.38964	SLU 1	-0.78337	-0.78337
497	SLU 52	-1.35836	-1.35836	SLU 1	-0.76647	-0.76647
498	SLU 52	-1.32493	-1.32493	SLU 1	-0.74838	-0.74838

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
499	SLU 52	-1.2905	-1.2905	SLU 1	-0.72971	-0.72971
500	SLU 52	-1.25877	-1.25877	SLU 1	-0.71244	-0.71244
501	SLU 51	-1.16152	-1.16152	SLU 2	-0.65056	-0.65056
502	SLU 51	-1.23227	-1.23227	SLU 2	-0.6977	-0.6977
503	SLU 51	-1.2123	-1.2123	SLU 2	-0.68587	-0.68587
504	SLU 51	-1.16909	-1.16909	SLU 2	-0.65563	-0.65563
505	SLU 51	-1.19849	-1.19849	SLU 2	-0.6773	-0.6773
506	SLU 51	-1.18985	-1.18985	SLU 2	-0.67146	-0.67146
507	SLU 51	-1.13901	-1.13901	SLU 2	-0.63461	-0.63461
508	SLU 51	-1.17559	-1.17559	SLU 2	-0.66022	-0.66022
509	SLU 51	-1.18452	-1.18452	SLU 2	-0.66738	-0.66738
510	SLU 51	-1.18038	-1.18038	SLU 2	-0.66395	-0.66395
511	SLU 51	-1.14396	-1.14396	SLU 2	-0.63724	-0.63724
512	SLU 51	-1.14763	-1.14763	SLU 2	-0.63927	-0.63927
513	SLU 51	-1.15021	-1.15021	SLU 2	-0.64087	-0.64087
514	SLU 51	-1.14001	-1.14001	SLU 2	-0.6421	-0.6421
515	SLU 51	-1.1362	-1.1362	SLU 2	-0.63936	-0.63936
516	SLU 51	-1.14365	-1.14365	SLU 2	-0.64475	-0.64475
517	SLU 51	-1.15134	-1.15134	SLU 2	-0.64179	-0.64179
518	SLU 51	-1.13273	-1.13273	SLU 2	-0.63686	-0.63686
519	SLU 51	-1.14655	-1.14655	SLU 2	-0.6469	-0.6469
520	SLU 51	-1.15211	-1.15211	SLU 2	-0.64264	-0.64264
521	SLU 51	-1.13027	-1.13027	SLU 2	-0.63494	-0.63494
522	SLU 51	-1.13755	-1.13755	SLU 2	-0.6357	-0.6357
523	SLU 51	-1.12925	-1.12925	SLU 2	-0.63383	-0.63383
524	SLU 51	-1.13559	-1.13559	SLU 2	-0.63508	-0.63508
525	SLU 51	-1.13917	-1.13917	SLU 2	-0.63619	-0.63619
526	SLU 51	-1.13329	-1.13329	SLU 2	-0.63434	-0.63434
527	SLU 51	-1.131	-1.131	SLU 2	-0.63364	-0.63364
528	SLU 51	-1.12952	-1.12952	SLU 2	-0.6334	-0.6334
529	SLU 51	-1.15366	-1.15366	SLU 2	-0.64403	-0.64403
530	SLU 51	-1.14074	-1.14074	SLU 2	-0.6367	-0.6367
531	SLU 51	-1.1429	-1.1429	SLU 2	-0.63759	-0.63759
532	SLU 51	-1.14585	-1.14585	SLU 2	-0.63895	-0.63895
533	SLU 51	-1.16338	-1.16338	SLU 2	-0.65922	-0.65922
534	SLU 51	-1.15762	-1.15762	SLU 2	-0.64684	-0.64684
535	SLU 51	-1.15675	-1.15675	SLU 2	-0.6549	-0.6549
536	SLU 51	-1.17507	-1.17507	SLU 2	-0.66621	-0.66621
537	SLU 51	-1.19269	-1.19269	SLU 2	-0.67634	-0.67634
538	SLU 51	-1.15377	-1.15377	SLU 2	-0.65252	-0.65252
539	SLU 51	-1.21719	-1.21719	SLU 2	-0.69012	-0.69012
540	SLU 51	-1.15052	-1.15052	SLU 2	-0.64132	-0.64132
541	SLU 51	-1.15326	-1.15326	SLU 2	-0.65148	-0.65148
542	SLU 51	-1.24822	-1.24822	SLU 2	-0.70735	-0.70735
543	SLU 52	-1.2815	-1.2815	SLU 1	-0.72505	-0.72505
544	SLU 52	-1.3176	-1.3176	SLU 1	-0.74421	-0.74421
545	SLU 51	-1.17465	-1.17465	SLU 2	-0.65774	-0.65774
546	SLU 52	-1.35258	-1.35258	SLU 1	-0.76276	-0.76276
547	SLU 52	-1.40877	-1.40877	SLU 1	-0.79298	-0.79298
548	SLU 52	-1.37549	-1.37549	SLU 1	-0.77509	-0.77509
549	SLU 51	-1.18346	-1.18346	SLU 2	-0.66342	-0.66342
550	SLU 52	-1.33855	-1.33855	SLU 1	-0.75521	-0.75521
551	SLU 52	-1.30194	-1.30194	SLU 1	-0.73546	-0.73546
552	SLU 52	-1.26851	-1.26851	SLU 1	-0.71736	-0.71736
553	SLU 51	-1.20787	-1.20787	SLU 2	-0.68218	-0.68218
554	SLU 51	-1.24108	-1.24108	SLU 2	-0.70212	-0.70212
555	SLU 51	-1.22098	-1.22098	SLU 2	-0.6903	-0.6903
556	SLU 51	-1.20063	-1.20063	SLU 2	-0.67715	-0.67715
557	SLU 51	-1.19719	-1.19719	SLU 2	-0.67413	-0.67413
558	SLU 51	-1.19475	-1.19475	SLU 2	-0.67164	-0.67164
559	SLU 51	-1.16638	-1.16638	SLU 2	-0.65239	-0.65239
560	SLU 51	-1.1544	-1.1544	SLU 2	-0.65153	-0.65153
561	SLU 51	-1.19071	-1.19071	SLU 2	-0.66837	-0.66837
562	SLU 51	-1.15765	-1.15765	SLU 2	-0.64514	-0.64514
563	SLU 51	-1.15314	-1.15314	SLU 2	-0.65023	-0.65023
564	SLU 51	-1.16162	-1.16162	SLU 2	-0.64729	-0.64729
565	SLU 51	-1.1501	-1.1501	SLU 2	-0.64794	-0.64794
566	SLU 51	-1.146	-1.146	SLU 2	-0.6451	-0.6451
567	SLU 51	-1.16428	-1.16428	SLU 2	-0.64888	-0.64888
568	SLU 51	-1.16454	-1.16454	SLU 2	-0.64928	-0.64928
569	SLU 51	-1.14203	-1.14203	SLU 2	-0.64239	-0.64239
570	SLU 51	-1.14939	-1.14939	SLU 2	-0.6427	-0.6427
571	SLU 51	-1.15091	-1.15091	SLU 2	-0.64314	-0.64314
572	SLU 51	-1.14711	-1.14711	SLU 2	-0.6419	-0.6419
573	SLU 51	-1.13919	-1.13919	SLU 2	-0.64031	-0.64031
574	SLU 51	-1.14408	-1.14408	SLU 2	-0.64077	-0.64077
575	SLU 51	-1.16387	-1.16387	SLU 2	-0.64931	-0.64931
576	SLU 51	-1.15215	-1.15215	SLU 2	-0.64349	-0.64349
577	SLU 51	-1.14097	-1.14097	SLU 2	-0.63963	-0.63963
578	SLU 51	-1.13811	-1.13811	SLU 2	-0.63919	-0.63919
579	SLU 51	-1.13882	-1.13882	SLU 2	-0.63903	-0.63903
580	SLU 51	-1.15383	-1.15383	SLU 2	-0.64413	-0.64413
581	SLU 51	-1.16383	-1.16383	SLU 2	-0.64978	-0.64978
582	SLU 51	-1.15602	-1.15602	SLU 2	-0.64506	-0.64506
583	SLU 51	-1.1654	-1.1654	SLU 2	-0.65117	-0.65117
584	SLU 51	-1.15922	-1.15922	SLU 2	-0.64659	-0.64659
585	SLU 51	-1.16242	-1.16242	SLU 2	-0.6482	-0.6482
586	SLU 51	-1.16881	-1.16881	SLU 2	-0.65349	-0.65349
587	SLU 51	-1.16753	-1.16753	SLU 2	-0.66183	-0.66183
588	SLU 51	-1.16261	-1.16261	SLU 2	-0.65851	-0.65851
589	SLU 51	-1.17762	-1.17762	SLU 2	-0.6679	-0.6679
590	SLU 51	-1.16795	-1.16795	SLU 2	-0.65112	-0.65112
591	SLU 51	-1.1615	-1.1615	SLU 2	-0.65721	-0.65721
592	SLU 51	-1.19404	-1.19404	SLU 2	-0.67732	-0.67732
593	SLU 51	-1.21774	-1.21774	SLU 2	-0.69062	-0.69062
594	SLU 51	-1.16263	-1.16263	SLU 2	-0.65712	-0.65712
595	SLU 51	-1.16381	-1.16381	SLU 2	-0.65708	-0.65708
596	SLU 51	-1.24802	-1.24802	SLU 2	-0.7074	-0.7074
597	SLU 51	-1.16303	-1.16303	SLU 2	-0.656	-0.656

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
598	SLU 51	-1.17403	-1.17403	SLU 2	-0.65458	-0.65458
599	SLU 51	-1.16206	-1.16206	SLU 2	-0.64987	-0.64987
600	SLU 51	-1.16082	-1.16082	SLU 2	-0.64957	-0.64957
601	SLU 51	-1.15995	-1.15995	SLU 2	-0.65372	-0.65372
602	SLU 51	-1.15818	-1.15818	SLU 2	-0.64858	-0.64858
603	SLU 51	-1.16304	-1.16304	SLU 2	-0.65013	-0.65013
604	SLU 51	-1.15422	-1.15422	SLU 2	-0.64694	-0.64694
605	SLU 51	-1.15503	-1.15503	SLU 2	-0.65051	-0.65051
606	SLU 52	-1.28313	-1.28313	SLU 1	-0.72608	-0.72608
607	SLU 51	-1.18667	-1.18667	SLU 2	-0.66454	-0.66454
608	SLU 51	-1.16928	-1.16928	SLU 2	-0.65237	-0.65237
609	SLU 51	-1.15028	-1.15028	SLU 2	-0.64537	-0.64537
610	SLU 51	-1.15033	-1.15033	SLU 2	-0.64747	-0.64747
611	SLU 51	-1.20818	-1.20818	SLU 2	-0.68007	-0.68007
612	SLU 51	-1.20933	-1.20933	SLU 2	-0.68179	-0.68179
613	SLU 51	-1.20838	-1.20838	SLU 2	-0.67905	-0.67905
614	SLU 51	-1.19722	-1.19722	SLU 2	-0.671	-0.671
615	SLU 51	-1.215	-1.215	SLU 2	-0.6859	-0.6859
616	SLU 51	-1.1471	-1.1471	SLU 2	-0.64523	-0.64523
617	SLU 51	-1.14724	-1.14724	SLU 2	-0.64428	-0.64428
618	SLU 51	-1.14601	-1.14601	SLU 2	-0.64413	-0.64413
619	SLU 51	-1.17697	-1.17697	SLU 2	-0.6565	-0.6565
620	SLU 51	-1.22735	-1.22735	SLU 2	-0.69354	-0.69354
621	SLU 52	-1.32262	-1.32262	SLU 1	-0.747	-0.747
622	SLU 51	-1.16446	-1.16446	SLU 2	-0.65068	-0.65068
623	SLU 51	-1.17851	-1.17851	SLU 2	-0.6595	-0.6595
624	SLU 51	-1.1654	-1.1654	SLU 2	-0.65088	-0.65088
625	SLU 51	-1.24763	-1.24763	SLU 2	-0.70539	-0.70539
626	SLU 51	-1.20596	-1.20596	SLU 2	-0.6767	-0.6767
627	SLU 52	-1.27637	-1.27637	SLU 1	-0.72127	-0.72127
628	SLU 52	-1.31115	-1.31115	SLU 1	-0.74001	-0.74001
629	SLU 51	-1.17837	-1.17837	SLU 2	-0.6571	-0.6571
630	SLU 52	-1.35054	-1.35054	SLU 1	-0.76116	-0.76116
631	SLU 51	-1.16757	-1.16757	SLU 2	-0.65178	-0.65178
632	SLU 52	-1.39074	-1.39074	SLU 1	-0.78269	-0.78269
633	SLU 52	-1.35998	-1.35998	SLU 1	-0.76678	-0.76678
634	SLU 52	-1.42684	-1.42684	SLU 1	-0.80199	-0.80199
635	SLU 51	-1.17489	-1.17489	SLU 2	-0.65576	-0.65576
636	SLU 51	-1.17299	-1.17299	SLU 2	-0.65519	-0.65519
637	SLU 51	-1.17493	-1.17493	SLU 2	-0.65715	-0.65715
638	SLU 51	-1.17296	-1.17296	SLU 2	-0.65565	-0.65565
639	SLU 51	-1.16972	-1.16972	SLU 2	-0.6634	-0.6634
640	SLU 51	-1.16604	-1.16604	SLU 2	-0.66082	-0.66082
641	SLU 51	-1.17851	-1.17851	SLU 2	-0.6687	-0.6687
642	SLU 51	-1.16632	-1.16632	SLU 2	-0.66034	-0.66034
643	SLU 51	-1.16889	-1.16889	SLU 2	-0.66107	-0.66107
644	SLU 51	-1.19345	-1.19345	SLU 2	-0.67726	-0.67726
645	SLU 51	-1.17072	-1.17072	SLU 2	-0.6557	-0.6557
646	SLU 51	-1.17149	-1.17149	SLU 2	-0.66179	-0.66179
647	SLU 51	-1.17137	-1.17137	SLU 2	-0.66101	-0.66101
648	SLU 51	-1.17182	-1.17182	SLU 2	-0.65598	-0.65598
649	SLU 51	-1.16768	-1.16768	SLU 2	-0.6545	-0.6545
650	SLU 51	-1.21522	-1.21522	SLU 2	-0.68945	-0.68945
651	SLU 51	-1.17245	-1.17245	SLU 2	-0.65613	-0.65613
652	SLU 51	-1.16292	-1.16292	SLU 2	-0.65246	-0.65246
653	SLU 51	-1.18068	-1.18068	SLU 2	-0.65913	-0.65913
654	SLU 51	-1.16749	-1.16749	SLU 2	-0.65835	-0.65835
655	SLU 51	-1.15816	-1.15816	SLU 2	-0.65049	-0.65049
656	SLU 51	-1.1779	-1.1779	SLU 2	-0.65796	-0.65796
657	SLU 51	-1.16149	-1.16149	SLU 2	-0.65463	-0.65463
658	SLU 51	-1.15411	-1.15411	SLU 2	-0.64881	-0.64881
659	SLU 51	-1.17568	-1.17568	SLU 2	-0.65708	-0.65708
660	SLU 51	-1.15236	-1.15236	SLU 2	-0.64835	-0.64835
661	SLU 51	-1.24297	-1.24297	SLU 2	-0.70482	-0.70482
662	SLU 51	-1.17426	-1.17426	SLU 2	-0.65665	-0.65665
663	SLU 51	-1.15643	-1.15643	SLU 2	-0.65148	-0.65148
664	SLU 51	-1.15319	-1.15319	SLU 2	-0.64928	-0.64928
665	SLU 51	-1.1858	-1.1858	SLU 2	-0.66188	-0.66188
666	SLU 51	-1.1745	-1.1745	SLU 2	-0.65723	-0.65723
667	SLU 51	-1.19393	-1.19393	SLU 2	-0.66892	-0.66892
668	SLU 51	-1.18524	-1.18524	SLU 2	-0.66372	-0.66372
669	SLU 51	-1.21436	-1.21436	SLU 2	-0.68354	-0.68354
670	SLU 51	-1.21397	-1.21397	SLU 2	-0.68433	-0.68433
671	SLU 51	-1.18755	-1.18755	SLU 2	-0.6631	-0.6631
672	SLU 51	-1.20593	-1.20593	SLU 2	-0.67605	-0.67605
673	SLU 51	-1.21858	-1.21858	SLU 2	-0.68779	-0.68779
674	SLU 51	-1.1803	-1.1803	SLU 2	-0.66064	-0.66064
675	SLU 51	-1.18326	-1.18326	SLU 2	-0.66107	-0.66107
676	SLU 51	-1.2169	-1.2169	SLU 2	-0.68396	-0.68396
677	SLU 51	-1.17962	-1.17962	SLU 2	-0.65947	-0.65947
678	SLU 51	-1.17853	-1.17853	SLU 2	-0.65929	-0.65929
679	SLU 51	-1.23036	-1.23036	SLU 2	-0.69506	-0.69506
680	SLU 51	-1.25062	-1.25062	SLU 2	-0.70681	-0.70681
681	SLU 52	-1.27962	-1.27962	SLU 1	-0.72271	-0.72271
682	SLU 52	-1.31541	-1.31541	SLU 1	-0.74192	-0.74192
683	SLU 52	-1.3555	-1.3555	SLU 1	-0.76337	-0.76337
684	SLU 52	-1.32246	-1.32246	SLU 1	-0.74694	-0.74694
685	SLU 52	-1.39645	-1.39645	SLU 1	-0.78523	-0.78523
686	SLU 52	-1.27854	-1.27854	SLU 1	-0.7237	-0.7237
687	SLU 52	-1.36127	-1.36127	SLU 1	-0.76743	-0.76743
689	SLU 51	-1.17569	-1.17569	SLU 2	-0.66399	-0.66399
690	SLU 51	-1.17767	-1.17767	SLU 2	-0.66033	-0.66033
691	SLU 51	-1.19124	-1.19124	SLU 2	-0.66515	-0.66515
692	SLU 51	-1.2178	-1.2178	SLU 2	-0.68361	-0.68361
694	SLU 52	-1.43605	-1.43605	SLU 1	-0.80632	-0.80632
695	SLU 51	-1.1787	-1.1787	SLU 2	-0.66062	-0.66062
696	SLU 51	-1.17862	-1.17862	SLU 2	-0.66038	-0.66038
697	SLU 51	-1.17434	-1.17434	SLU 2	-0.65901	-0.65901
698	SLU 51	-1.17876	-1.17876	SLU 2	-0.66035	-0.66035

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
699	SLU 51	-1.17405	-1.17405	SLU 2	-0.66384	-0.66384
700	SLU 51	-1.16942	-1.16942	SLU 2	-0.65691	-0.65691
701	SLU 51	-1.16943	-1.16943	SLU 2	-0.66365	-0.66365
702	SLU 51	-1.16644	-1.16644	SLU 2	-0.66151	-0.66151
703	SLU 51	-1.16725	-1.16725	SLU 2	-0.66138	-0.66138
704	SLU 51	-1.1704	-1.1704	SLU 2	-0.66249	-0.66249
705	SLU 51	-1.17718	-1.17718	SLU 2	-0.66831	-0.66831
706	SLU 51	-1.19068	-1.19068	SLU 2	-0.67602	-0.67602
707	SLU 51	-1.17043	-1.17043	SLU 2	-0.66063	-0.66063
708	SLU 51	-1.21023	-1.21023	SLU 2	-0.68695	-0.68695
709	SLU 51	-1.18217	-1.18217	SLU 2	-0.66171	-0.66171
710	SLU 51	-1.18428	-1.18428	SLU 2	-0.66256	-0.66256
711	SLU 51	-1.18113	-1.18113	SLU 2	-0.66149	-0.66149
712	SLU 51	-1.1592	-1.1592	SLU 2	-0.65255	-0.65255
713	SLU 51	-1.1873	-1.1873	SLU 2	-0.66392	-0.66392
714	SLU 51	-1.16441	-1.16441	SLU 2	-0.65701	-0.65701
715	SLU 51	-1.15685	-1.15685	SLU 2	-0.65172	-0.65172
716	SLU 51	-1.23366	-1.23366	SLU 2	-0.69989	-0.69989
717	SLU 51	-1.19067	-1.19067	SLU 2	-0.66558	-0.66558
718	SLU 51	-1.16476	-1.16476	SLU 2	-0.65517	-0.65517
719	SLU 51	-1.18132	-1.18132	SLU 2	-0.66202	-0.66202
720	SLU 51	-1.15979	-1.15979	SLU 2	-0.65416	-0.65416
721	SLU 51	-1.15716	-1.15716	SLU 2	-0.65236	-0.65236
722	SLU 52	-1.25413	-1.25413	SLU 1	-0.71076	-0.71076
723	SLU 51	-1.18252	-1.18252	SLU 2	-0.66317	-0.66317
724	SLU 51	-1.19298	-1.19298	SLU 2	-0.66693	-0.66693
725	SLU 51	-1.18303	-1.18303	SLU 2	-0.66375	-0.66375
726	SLU 51	-1.18306	-1.18306	SLU 2	-0.66404	-0.66404
727	SLU 51	-1.18178	-1.18178	SLU 2	-0.66366	-0.66366
728	SLU 51	-1.19116	-1.19116	SLU 2	-0.6661	-0.6661
729	SLU 51	-1.17843	-1.17843	SLU 2	-0.66226	-0.66226
730	SLU 51	-1.19488	-1.19488	SLU 2	-0.67007	-0.67007
731	SLU 51	-1.20455	-1.20455	SLU 2	-0.67583	-0.67583
732	SLU 51	-1.1872	-1.1872	SLU 2	-0.66553	-0.66553
733	SLU 51	-1.17372	-1.17372	SLU 2	-0.66011	-0.66011
734	SLU 51	-1.18256	-1.18256	SLU 2	-0.66268	-0.66268
735	SLU 51	-1.21361	-1.21361	SLU 2	-0.68335	-0.68335
736	SLU 51	-1.21496	-1.21496	SLU 2	-0.68316	-0.68316
737	SLU 51	-1.18111	-1.18111	SLU 2	-0.6616	-0.6616
738	SLU 51	-1.21342	-1.21342	SLU 2	-0.68416	-0.68416
739	SLU 51	-1.21285	-1.21285	SLU 2	-0.68113	-0.68113
740	SLU 51	-1.18268	-1.18268	SLU 2	-0.66218	-0.66218
741	SLU 51	-1.17001	-1.17001	SLU 2	-0.65845	-0.65845
742	SLU 51	-1.2177	-1.2177	SLU 2	-0.68736	-0.68736
743	SLU 51	-1.18704	-1.18704	SLU 2	-0.66439	-0.66439
744	SLU 52	-1.35191	-1.35191	SLU 1	-0.76101	-0.76101
745	SLU 51	-1.22903	-1.22903	SLU 2	-0.6943	-0.6943
746	SLU 52	-1.31334	-1.31334	SLU 1	-0.74043	-0.74043
747	SLU 52	-1.39032	-1.39032	SLU 1	-0.78149	-0.78149
748	SLU 52	-1.27864	-1.27864	SLU 1	-0.72187	-0.72187
749	SLU 52	-1.31677	-1.31677	SLU 1	-0.74376	-0.74376
750	SLU 51	-1.24969	-1.24969	SLU 2	-0.7062	-0.7062
751	SLU 52	-1.34911	-1.34911	SLU 1	-0.76082	-0.76082
752	SLU 52	-1.42783	-1.42783	SLU 1	-0.80146	-0.80146
753	SLU 51	-1.17076	-1.17076	SLU 2	-0.66217	-0.66217
754	SLU 51	-1.16689	-1.16689	SLU 2	-0.66271	-0.66271
755	SLU 51	-1.16394	-1.16394	SLU 2	-0.66067	-0.66067
756	SLU 51	-1.17417	-1.17417	SLU 2	-0.66703	-0.66703
757	SLU 52	-1.2801	-1.2801	SLU 1	-0.7244	-0.7244
758	SLU 51	-1.18609	-1.18609	SLU 2	-0.66546	-0.66546
759	SLU 51	-1.16447	-1.16447	SLU 2	-0.66047	-0.66047
760	SLU 51	-1.18695	-1.18695	SLU 2	-0.6656	-0.6656
761	SLU 51	-1.16972	-1.16972	SLU 2	-0.66221	-0.66221
762	SLU 51	-1.16698	-1.16698	SLU 2	-0.6613	-0.6613
763	SLU 51	-1.16204	-1.16204	SLU 2	-0.6552	-0.6552
764	SLU 51	-1.18626	-1.18626	SLU 2	-0.67391	-0.67391
765	SLU 51	-1.18596	-1.18596	SLU 2	-0.66576	-0.66576
766	SLU 51	-1.18853	-1.18853	SLU 2	-0.66619	-0.66619
767	SLU 51	-1.16766	-1.16766	SLU 2	-0.66007	-0.66007
768	SLU 51	-1.1595	-1.1595	SLU 2	-0.65421	-0.65421
769	SLU 51	-1.1665	-1.1665	SLU 2	-0.65741	-0.65741
770	SLU 51	-1.1862	-1.1862	SLU 2	-0.66628	-0.66628
771	SLU 51	-1.2033	-1.2033	SLU 2	-0.68342	-0.68342
772	SLU 51	-1.16363	-1.16363	SLU 2	-0.65755	-0.65755
773	SLU 51	-1.19073	-1.19073	SLU 2	-0.66722	-0.66722
774	SLU 51	-1.18627	-1.18627	SLU 2	-0.66664	-0.66664
775	SLU 52	-1.25119	-1.25119	SLU 1	-0.70912	-0.70912
777	SLU 52	-1.22539	-1.22539	SLU 1	-0.69554	-0.69554
778	SLU 51	-1.19245	-1.19245	SLU 2	-0.66792	-0.66792
779	SLU 51	-1.18571	-1.18571	SLU 2	-0.66665	-0.66665
780	SLU 51	-1.16031	-1.16031	SLU 2	-0.6555	-0.6555
781	SLU 51	-1.19282	-1.19282	SLU 2	-0.66801	-0.66801
782	SLU 51	-1.18394	-1.18394	SLU 2	-0.66604	-0.66604
783	SLU 51	-1.17117	-1.17117	SLU 2	-0.65996	-0.65996
784	SLU 51	-1.19128	-1.19128	SLU 2	-0.66722	-0.66722
785	SLU 51	-1.17598	-1.17598	SLU 2	-0.66239	-0.66239
786	SLU 51	-1.18061	-1.18061	SLU 2	-0.66463	-0.66463
787	SLU 51	-1.15887	-1.15887	SLU 2	-0.6545	-0.6545
788	SLU 51	-1.18895	-1.18895	SLU 2	-0.66611	-0.66611
789	SLU 51	-1.19786	-1.19786	SLU 2	-0.67302	-0.67302
790	SLU 51	-1.19096	-1.19096	SLU 2	-0.66885	-0.66885
791	SLU 51	-1.18508	-1.18508	SLU 2	-0.66536	-0.66536
792	SLU 51	-1.20361	-1.20361	SLU 2	-0.67674	-0.67674
793	SLU 51	-1.18147	-1.18147	SLU 2	-0.66316	-0.66316
794	SLU 51	-1.20648	-1.20648	SLU 2	-0.67904	-0.67904
795	SLU 51	-1.18974	-1.18974	SLU 2	-0.66887	-0.66887
796	SLU 51	-1.18943	-1.18943	SLU 2	-0.66902	-0.66902
797	SLU 51	-1.20716	-1.20716	SLU 2	-0.68021	-0.68021
798	SLU 51	-1.1805	-1.1805	SLU 2	-0.66243	-0.66243

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
799	SLU 51	-1.1637	-1.1637	SLU 2	-0.6572	-0.6572
800	SLU 51	-1.19033	-1.19033	SLU 2	-0.66889	-0.66889
801	SLU 51	-1.18919	-1.18919	SLU 2	-0.66922	-0.66922
802	SLU 51	-1.16095	-1.16095	SLU 2	-0.65593	-0.65593
803	SLU 51	-1.20833	-1.20833	SLU 2	-0.68163	-0.68163
804	SLU 51	-1.18188	-1.18188	SLU 2	-0.66305	-0.66305
805	SLU 51	-1.18872	-1.18872	SLU 2	-0.66926	-0.66926
806	SLU 51	-1.16776	-1.16776	SLU 2	-0.65929	-0.65929
807	SLU 51	-1.18765	-1.18765	SLU 2	-0.66897	-0.66897
808	SLU 51	-1.15954	-1.15954	SLU 2	-0.65542	-0.65542
809	SLU 51	-1.19134	-1.19134	SLU 2	-0.66928	-0.66928
810	SLU 51	-1.1701	-1.1701	SLU 2	-0.66521	-0.66521
811	SLU 51	-1.18473	-1.18473	SLU 2	-0.6646	-0.6646
812	SLU 51	-1.16293	-1.16293	SLU 2	-0.66103	-0.66103
813	SLU 51	-1.15953	-1.15953	SLU 2	-0.65883	-0.65883
814	SLU 51	-1.18566	-1.18566	SLU 2	-0.66827	-0.66827
815	SLU 51	-1.18074	-1.18074	SLU 2	-0.67123	-0.67123
816	SLU 51	-1.15927	-1.15927	SLU 2	-0.65828	-0.65828
817	SLU 51	-1.2127	-1.2127	SLU 2	-0.68477	-0.68477
818	SLU 51	-1.17233	-1.17233	SLU 2	-0.66174	-0.66174
819	SLU 51	-1.16075	-1.16075	SLU 2	-0.65864	-0.65864
820	SLU 51	-1.1632	-1.1632	SLU 2	-0.65905	-0.65905
821	SLU 51	-1.16235	-1.16235	SLU 2	-0.65905	-0.65905
822	SLU 51	-1.16222	-1.16222	SLU 2	-0.65816	-0.65816
823	SLU 51	-1.17731	-1.17731	SLU 2	-0.66438	-0.66438
824	SLU 51	-1.16029	-1.16029	SLU 2	-0.65687	-0.65687
825	SLU 52	-1.33123	-1.33123	SLU 1	-0.75098	-0.75098
826	SLU 52	-1.41173	-1.41173	SLU 1	-0.79233	-0.79233
827	SLU 51	-1.18718	-1.18718	SLU 2	-0.6662	-0.6662
828	SLU 52	-1.37707	-1.37707	SLU 1	-0.77391	-0.77391
829	SLU 52	-1.3017	-1.3017	SLU 1	-0.73546	-0.73546
830	SLU 52	-1.34206	-1.34206	SLU 1	-0.7553	-0.7553
831	SLU 51	-1.1946	-1.1946	SLU 2	-0.67898	-0.67898
832	SLU 51	-1.18247	-1.18247	SLU 2	-0.66715	-0.66715
833	SLU 51	-1.15878	-1.15878	SLU 2	-0.65586	-0.65586
834	SLU 52	-1.30631	-1.30631	SLU 1	-0.73628	-0.73628
835	SLU 51	-1.18967	-1.18967	SLU 2	-0.66765	-0.66765
836	SLU 51	-1.19249	-1.19249	SLU 2	-0.66957	-0.66957
837	SLU 51	-1.19158	-1.19158	SLU 2	-0.66883	-0.66883
838	SLU 52	-1.27099	-1.27099	SLU 1	-0.71932	-0.71932
839	SLU 52	-1.27349	-1.27349	SLU 1	-0.7188	-0.7188
840	SLU 51	-1.19252	-1.19252	SLU 2	-0.67007	-0.67007
841	SLU 52	-1.24399	-1.24399	SLU 1	-0.70513	-0.70513
842	SLU 52	-1.21636	-1.21636	SLU 1	-0.69064	-0.69064
843	SLU 52	-1.24522	-1.24522	SLU 1	-0.70371	-0.70371
844	SLU 51	-1.15839	-1.15839	SLU 2	-0.65556	-0.65556
845	SLU 51	-1.22235	-1.22235	SLU 2	-0.69076	-0.69076
846	SLU 51	-1.15929	-1.15929	SLU 2	-0.65618	-0.65618
847	SLU 51	-1.18941	-1.18941	SLU 2	-0.67126	-0.67126
848	SLU 51	-1.19088	-1.19088	SLU 2	-0.67185	-0.67185
849	SLU 51	-1.19179	-1.19179	SLU 2	-0.67211	-0.67211
850	SLU 51	-1.18737	-1.18737	SLU 2	-0.67035	-0.67035
851	SLU 51	-1.19231	-1.19231	SLU 2	-0.67212	-0.67212
852	SLU 51	-1.19265	-1.19265	SLU 2	-0.67199	-0.67199
853	SLU 51	-1.16144	-1.16144	SLU 2	-0.65731	-0.65731
854	SLU 51	-1.19291	-1.19291	SLU 2	-0.67183	-0.67183
855	SLU 51	-1.18533	-1.18533	SLU 2	-0.66944	-0.66944
856	SLU 51	-1.16465	-1.16465	SLU 2	-0.65893	-0.65893
857	SLU 51	-1.1687	-1.1687	SLU 2	-0.66107	-0.66107
858	SLU 51	-1.19316	-1.19316	SLU 2	-0.67173	-0.67173
859	SLU 51	-1.17563	-1.17563	SLU 2	-0.66872	-0.66872
860	SLU 51	-1.17318	-1.17318	SLU 2	-0.66351	-0.66351
861	SLU 51	-1.19329	-1.19329	SLU 2	-0.67169	-0.67169
862	SLU 51	-1.17789	-1.17789	SLU 2	-0.6661	-0.6661
863	SLU 51	-1.16627	-1.16627	SLU 2	-0.66354	-0.66354
864	SLU 51	-1.15846	-1.15846	SLU 2	-0.65911	-0.65911
865	SLU 51	-1.18244	-1.18244	SLU 2	-0.66865	-0.66865
866	SLU 51	-1.15432	-1.15432	SLU 2	-0.6566	-0.6566
867	SLU 51	-1.18909	-1.18909	SLU 2	-0.66923	-0.66923
868	SLU 51	-1.19326	-1.19326	SLU 2	-0.67195	-0.67195
869	SLU 51	-1.18436	-1.18436	SLU 2	-0.66635	-0.66635
870	SLU 51	-1.15324	-1.15324	SLU 2	-0.65569	-0.65569
871	SLU 51	-1.19619	-1.19619	SLU 2	-0.6741	-0.6741
872	SLU 51	-1.1804	-1.1804	SLU 2	-0.66398	-0.66398
873	SLU 51	-1.19824	-1.19824	SLU 2	-0.67585	-0.67585
874	SLU 51	-1.15396	-1.15396	SLU 2	-0.65573	-0.65573
875	SLU 51	-1.17802	-1.17802	SLU 2	-0.66256	-0.66256
876	SLU 51	-1.1552	-1.1552	SLU 2	-0.65605	-0.65605
877	SLU 51	-1.15613	-1.15613	SLU 2	-0.65623	-0.65623
878	SLU 51	-1.17765	-1.17765	SLU 2	-0.66229	-0.66229
879	SLU 51	-1.20091	-1.20091	SLU 2	-0.67794	-0.67794
880	SLU 51	-1.17919	-1.17919	SLU 2	-0.66309	-0.66309
881	SLU 51	-1.18183	-1.18183	SLU 2	-0.66455	-0.66455
882	SLU 51	-1.15629	-1.15629	SLU 2	-0.65605	-0.65605
883	SLU 51	-1.20561	-1.20561	SLU 2	-0.68107	-0.68107
884	SLU 51	-1.15604	-1.15604	SLU 2	-0.65573	-0.65573
885	SLU 51	-1.18468	-1.18468	SLU 2	-0.66626	-0.66626
886	SLU 51	-1.18591	-1.18591	SLU 2	-0.67077	-0.67077
887	SLU 51	-1.18755	-1.18755	SLU 2	-0.668	-0.668
888	SLU 51	-1.15604	-1.15604	SLU 2	-0.65561	-0.65561
889	SLU 51	-1.19005	-1.19005	SLU 2	-0.66961	-0.66961
890	SLU 51	-1.19196	-1.19196	SLU 2	-0.67098	-0.67098
891	SLU 51	-1.18873	-1.18873	SLU 2	-0.67235	-0.67235
892	SLU 51	-1.21128	-1.21128	SLU 2	-0.68457	-0.68457
893	SLU 51	-1.15679	-1.15679	SLU 2	-0.65598	-0.65598
894	SLU 51	-1.1933	-1.1933	SLU 2	-0.6722	-0.6722
895	SLU 51	-1.19119	-1.19119	SLU 2	-0.6737	-0.6737
896	SLU 51	-1.19312	-1.19312	SLU 2	-0.67468	-0.67468
897	SLU 51	-1.19438	-1.19438	SLU 2	-0.67519	-0.67519

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
898	SLU 51	-1.15855	-1.15855	SLU 2	-0.65699	-0.65699
899	SLU 51	-1.19509	-1.19509	SLU 2	-0.67533	-0.67533
900	SLU 51	-1.19537	-1.19537	SLU 2	-0.67517	-0.67517
901	SLU 51	-1.18162	-1.18162	SLU 2	-0.67229	-0.67229
902	SLU 51	-1.19432	-1.19432	SLU 2	-0.67344	-0.67344
903	SLU 51	-1.19532	-1.19532	SLU 2	-0.67478	-0.67478
904	SLU 51	-1.19496	-1.19496	SLU 2	-0.67421	-0.67421
905	SLU 51	-1.16524	-1.16524	SLU 2	-0.66058	-0.66058
906	SLU 52	-1.31359	-1.31359	SLU 1	-0.74115	-0.74115
907	SLU 52	-1.39453	-1.39453	SLU 1	-0.78254	-0.78254
908	SLU 51	-1.16148	-1.16148	SLU 2	-0.65864	-0.65864
909	SLU 51	-1.1695	-1.1695	SLU 2	-0.66285	-0.66285
910	SLU 52	-1.28602	-1.28602	SLU 1	-0.72673	-0.72673
911	SLU 52	-1.36297	-1.36297	SLU 1	-0.76583	-0.76583
912	SLU 52	-1.25855	-1.25855	SLU 1	-0.71237	-0.71237
913	SLU 52	-1.20566	-1.20566	SLU 1	-0.68479	-0.68479
914	SLU 52	-1.23229	-1.23229	SLU 1	-0.69866	-0.69866
915	SLU 52	-1.33097	-1.33097	SLU 1	-0.74887	-0.74887
916	SLU 51	-1.17405	-1.17405	SLU 2	-0.66539	-0.66539
917	SLU 52	-1.29769	-1.29769	SLU 1	-0.73123	-0.73123
918	SLU 52	-1.26716	-1.26716	SLU 1	-0.71505	-0.71505
919	SLU 51	-1.17875	-1.17875	SLU 2	-0.66802	-0.66802
920	SLU 51	-1.18323	-1.18323	SLU 2	-0.67055	-0.67055
921	SLU 52	-1.24143	-1.24143	SLU 1	-0.7014	-0.7014
922	SLU 51	-1.18706	-1.18706	SLU 2	-0.67274	-0.67274
923	SLU 51	-1.1641	-1.1641	SLU 2	-0.66282	-0.66282
924	SLU 51	-1.19014	-1.19014	SLU 2	-0.67451	-0.67451
925	SLU 51	-1.22065	-1.22065	SLU 2	-0.69023	-0.69023
926	SLU 51	-1.15413	-1.15413	SLU 2	-0.65732	-0.65732
927	SLU 51	-1.14773	-1.14773	SLU 2	-0.65317	-0.65317
928	SLU 51	-1.14746	-1.14746	SLU 2	-0.65328	-0.65328
929	SLU 51	-1.14911	-1.14911	SLU 2	-0.65442	-0.65442
930	SLU 51	-1.14881	-1.14881	SLU 2	-0.65351	-0.65351
931	SLU 51	-1.19313	-1.19313	SLU 2	-0.67647	-0.67647
932	SLU 51	-1.14999	-1.14999	SLU 2	-0.65393	-0.65393
933	SLU 51	-1.15097	-1.15097	SLU 2	-0.6543	-0.6543
934	SLU 51	-1.1519	-1.1519	SLU 2	-0.6547	-0.6547
935	SLU 51	-1.18235	-1.18235	SLU 2	-0.66655	-0.66655
936	SLU 51	-1.17919	-1.17919	SLU 2	-0.66469	-0.66469
937	SLU 51	-1.1957	-1.1957	SLU 2	-0.67797	-0.67797
938	SLU 51	-1.18566	-1.18566	SLU 2	-0.66862	-0.66862
939	SLU 51	-1.15307	-1.15307	SLU 2	-0.6553	-0.6553
940	SLU 51	-1.18885	-1.18885	SLU 2	-0.67066	-0.67066
941	SLU 51	-1.19163	-1.19163	SLU 2	-0.67254	-0.67254
942	SLU 51	-1.20754	-1.20754	SLU 2	-0.68281	-0.68281
943	SLU 51	-1.1973	-1.1973	SLU 2	-0.67871	-0.67871
944	SLU 51	-1.1939	-1.1939	SLU 2	-0.67428	-0.67428
945	SLU 51	-1.1981	-1.1981	SLU 2	-0.67888	-0.67888
946	SLU 51	-1.15486	-1.15486	SLU 2	-0.65631	-0.65631
947	SLU 51	-1.19887	-1.19887	SLU 2	-0.67773	-0.67773
948	SLU 51	-1.19825	-1.19825	SLU 2	-0.67859	-0.67859
949	SLU 51	-1.19311	-1.19311	SLU 2	-0.67415	-0.67415
950	SLU 51	-1.18059	-1.18059	SLU 2	-0.6657	-0.6657
951	SLU 51	-1.18373	-1.18373	SLU 2	-0.66771	-0.66771
952	SLU 51	-1.18931	-1.18931	SLU 2	-0.67161	-0.67161
953	SLU 51	-1.18652	-1.18652	SLU 2	-0.66962	-0.66962
954	SLU 51	-1.17738	-1.17738	SLU 2	-0.66376	-0.66376
955	SLU 51	-1.17487	-1.17487	SLU 2	-0.66231	-0.66231
956	SLU 51	-1.1957	-1.1957	SLU 2	-0.67582	-0.67582
957	SLU 51	-1.17363	-1.17363	SLU 2	-0.66163	-0.66163
958	SLU 51	-1.19789	-1.19789	SLU 2	-0.67798	-0.67798
959	SLU 51	-1.17614	-1.17614	SLU 2	-0.66315	-0.66315
960	SLU 51	-1.19702	-1.19702	SLU 2	-0.67704	-0.67704
961	SLU 51	-1.174	-1.174	SLU 2	-0.6619	-0.6619
962	SLU 51	-1.17046	-1.17046	SLU 2	-0.66483	-0.66483
963	SLU 51	-1.16599	-1.16599	SLU 2	-0.66245	-0.66245
964	SLU 51	-1.1575	-1.1575	SLU 2	-0.65789	-0.65789
965	SLU 51	-1.1752	-1.1752	SLU 2	-0.66751	-0.66751
966	SLU 51	-1.19139	-1.19139	SLU 2	-0.67646	-0.67646
967	SLU 51	-1.18007	-1.18007	SLU 2	-0.6703	-0.6703
968	SLU 51	-1.18879	-1.18879	SLU 2	-0.67514	-0.67514
969	SLU 51	-1.18478	-1.18478	SLU 2	-0.67294	-0.67294
970	SLU 51	-1.16157	-1.16157	SLU 2	-0.66038	-0.66038
971	SLU 52	-1.29895	-1.29895	SLU 1	-0.73279	-0.73279
972	SLU 52	-1.37945	-1.37945	SLU 1	-0.77383	-0.77383
973	SLU 52	-1.27335	-1.27335	SLU 1	-0.71949	-0.71949
974	SLU 52	-1.24785	-1.24785	SLU 1	-0.70625	-0.70625
975	SLU 52	-1.35058	-1.35058	SLU 1	-0.75861	-0.75861
976	SLU 52	-1.22261	-1.22261	SLU 1	-0.69316	-0.69316
977	SLU 51	-1.19521	-1.19521	SLU 2	-0.67979	-0.67979
978	SLU 52	-1.19765	-1.19765	SLU 1	-0.68025	-0.68025
979	SLU 52	-1.17612	-1.17612	SLU 1	-0.66917	-0.66917
980	SLU 52	-1.32094	-1.32094	SLU 1	-0.74297	-0.74297
981	SLU 51	-1.17772	-1.17772	SLU 2	-0.66524	-0.66524
982	SLU 52	-1.28974	-1.28974	SLU 1	-0.72651	-0.72651
983	SLU 51	-1.19896	-1.19896	SLU 2	-0.68203	-0.68203
984	SLU 51	-1.14256	-1.14256	SLU 2	-0.65123	-0.65123
985	SLU 51	-1.14367	-1.14367	SLU 2	-0.65169	-0.65169
986	SLU 51	-1.14517	-1.14517	SLU 2	-0.65239	-0.65239
987	SLU 51	-1.14241	-1.14241	SLU 2	-0.65132	-0.65132
988	SLU 51	-1.20084	-1.20084	SLU 2	-0.68288	-0.68288
989	SLU 52	-1.26083	-1.26083	SLU 1	-0.71126	-0.71126
990	SLU 51	-1.14677	-1.14677	SLU 2	-0.6532	-0.6532
991	SLU 51	-1.16731	-1.16731	SLU 2	-0.66449	-0.66449
992	SLU 51	-1.18047	-1.18047	SLU 2	-0.66713	-0.66713
993	SLU 51	-1.20157	-1.20157	SLU 2	-0.68292	-0.68292
994	SLU 52	-1.16009	-1.16009	SLU 1	-0.66099	-0.66099
995	SLU 51	-1.20151	-1.20151	SLU 2	-0.68241	-0.68241
996	SLU 51	-1.14851	-1.14851	SLU 2	-0.65414	-0.65414

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
997	SLU 51	-1.17168	-1.17168	SLU 2	-0.66699	-0.66699
998	SLU 51	-1.16408	-1.16408	SLU 2	-0.66276	-0.66276
999	SLU 51	-1.18439	-1.18439	SLU 2	-0.66963	-0.66963
1000	SLU 51	-1.14418	-1.14418	SLU 2	-0.65245	-0.65245
1001	SLU 51	-1.20083	-1.20083	SLU 2	-0.68153	-0.68153
1002	SLU 51	-1.18833	-1.18833	SLU 2	-0.67217	-0.67217
1003	SLU 51	-1.1919	-1.1919	SLU 2	-0.67455	-0.67455
1004	SLU 51	-1.19496	-1.19496	SLU 2	-0.67669	-0.67669
1005	SLU 51	-1.19946	-1.19946	SLU 2	-0.68022	-0.68022
1006	SLU 51	-1.19749	-1.19749	SLU 2	-0.6786	-0.6786
1007	SLU 51	-1.15055	-1.15055	SLU 2	-0.6553	-0.6553
1008	SLU 52	-1.2361	-1.2361	SLU 1	-0.69823	-0.69823
1009	SLU 51	-1.17664	-1.17664	SLU 2	-0.66986	-0.66986
1010	SLU 51	-1.19181	-1.19181	SLU 2	-0.67848	-0.67848
1011	SLU 51	-1.14916	-1.14916	SLU 2	-0.65529	-0.65529
1012	SLU 51	-1.18189	-1.18189	SLU 2	-0.67293	-0.67293
1013	SLU 51	-1.15309	-1.15309	SLU 2	-0.6568	-0.6568
1014	SLU 51	-1.18712	-1.18712	SLU 2	-0.67592	-0.67592
1015	SLU 52	-1.21624	-1.21624	SLU 1	-0.68779	-0.68779
1016	SLU 51	-1.15623	-1.15623	SLU 2	-0.65874	-0.65874
1017	SLU 51	-1.2023	-1.2023	SLU 2	-0.68033	-0.68033
1018	SLU 51	-1.16007	-1.16007	SLU 2	-0.66117	-0.66117
1019	SLU 51	-1.19259	-1.19259	SLU 2	-0.67476	-0.67476
1020	SLU 51	-1.18609	-1.18609	SLU 2	-0.6709	-0.6709
1021	SLU 51	-1.18181	-1.18181	SLU 2	-0.66822	-0.66822
1022	SLU 51	-1.17375	-1.17375	SLU 2	-0.66313	-0.66313
1023	SLU 51	-1.17622	-1.17622	SLU 2	-0.66462	-0.66462
1024	SLU 51	-1.17879	-1.17879	SLU 2	-0.66626	-0.66626
1025	SLU 51	-1.17149	-1.17149	SLU 2	-0.66187	-0.66187
1026	SLU 51	-1.16996	-1.16996	SLU 2	-0.6611	-0.6611
1027	SLU 51	-1.16956	-1.16956	SLU 2	-0.66103	-0.66103
1028	SLU 51	-1.17067	-1.17067	SLU 2	-0.66191	-0.66191
1029	SLU 51	-1.17404	-1.17404	SLU 2	-0.66426	-0.66426
1030	SLU 51	-1.16385	-1.16385	SLU 2	-0.66374	-0.66374
1031	SLU 51	-1.16801	-1.16801	SLU 2	-0.66628	-0.66628
1032	SLU 51	-1.17287	-1.17287	SLU 2	-0.66919	-0.66919
1033	SLU 51	-1.20512	-1.20512	SLU 2	-0.68654	-0.68654
1034	SLU 51	-1.20545	-1.20545	SLU 2	-0.68736	-0.68736
1035	SLU 51	-1.20408	-1.20408	SLU 2	-0.68534	-0.68534
1036	SLU 51	-1.17824	-1.17824	SLU 2	-0.67239	-0.67239
1037	SLU 51	-1.20228	-1.20228	SLU 2	-0.68372	-0.68372
1038	SLU 51	-1.20508	-1.20508	SLU 2	-0.68776	-0.68776
1039	SLU 51	-1.19979	-1.19979	SLU 2	-0.68178	-0.68178
1040	SLU 51	-1.20344	-1.20344	SLU 2	-0.6872	-0.6872
1041	SLU 51	-1.18395	-1.18395	SLU 2	-0.67582	-0.67582
1042	SLU 51	-1.20014	-1.20014	SLU 2	-0.68539	-0.68539
1043	SLU 51	-1.19668	-1.19668	SLU 2	-0.67959	-0.67959
1044	SLU 51	-1.18989	-1.18989	SLU 2	-0.67939	-0.67939
1045	SLU 51	-1.14007	-1.14007	SLU 2	-0.65074	-0.65074
1046	SLU 51	-1.14187	-1.14187	SLU 2	-0.65171	-0.65171
1047	SLU 51	-1.1388	-1.1388	SLU 2	-0.65008	-0.65008
1048	SLU 51	-1.19293	-1.19293	SLU 2	-0.67706	-0.67706
1049	SLU 51	-1.14392	-1.14392	SLU 2	-0.65288	-0.65288
1050	SLU 51	-1.18864	-1.18864	SLU 2	-0.67424	-0.67424
1051	SLU 51	-1.18384	-1.18384	SLU 2	-0.67115	-0.67115
1052	SLU 51	-1.19565	-1.19565	SLU 2	-0.68291	-0.68291
1053	SLU 51	-1.1462	-1.1462	SLV 13	-0.65414	-0.65414
1054	SLU 51	-1.17844	-1.17844	SLU 2	-0.66774	-0.66774
1055	SLU 51	-1.13851	-1.13851	SLU 2	-0.65001	-0.65001
1056	SLU 51	-1.14881	-1.14881	SLV 13	-0.65557	-0.65557
1057	SLU 51	-1.15185	-1.15185	SLV 13	-0.65751	-0.65751
1058	SLU 51	-1.13986	-1.13986	SLU 2	-0.65087	-0.65087
1059	SLU 51	-1.1554	-1.1554	SLU 2	-0.65985	-0.65985
1060	SLU 52	-1.28875	-1.28875	SLU 1	-0.7267	-0.7267
1061	SLU 52	-1.36825	-1.36825	SLU 1	-0.76714	-0.76714
1062	SLU 52	-1.26405	-1.26405	SLU 1	-0.71395	-0.71395
1063	SLU 52	-1.23966	-1.23966	SLU 1	-0.70137	-0.70137
1064	SLU 52	-1.21513	-1.21513	SLU 1	-0.68874	-0.68874
1065	SLU 52	-1.34217	-1.34217	SLU 1	-0.75345	-0.75345
1066	SLU 52	-1.19154	-1.19154	SLU 1	-0.67664	-0.67664
1067	SLU 51	-1.15947	-1.15947	SLU 2	-0.66243	-0.66243
1068	SLU 52	-1.1713	-1.1713	SLU 1	-0.66631	-0.66631
1069	SLU 52	-1.31342	-1.31342	SLU 1	-0.73835	-0.73835
1070	SLU 52	-1.28362	-1.28362	SLU 1	-0.72272	-0.72272
1071	SLU 51	-1.17442	-1.17442	SLU 2	-0.66584	-0.66584
1072	SLU 52	-1.15562	-1.15562	SLU 1	-0.65841	-0.65841
1073	SLU 51	-1.16388	-1.16388	SLU 2	-0.66525	-0.66525
1074	SLU 52	-1.2554	-1.2554	SLU 1	-0.70793	-0.70793
1075	SLU 51	-1.17629	-1.17629	SLU 2	-0.66725	-0.66725
1076	SLU 52	-1.23104	-1.23104	SLU 1	-0.69518	-0.69518
1077	SLU 51	-1.16869	-1.16869	SLU 2	-0.66824	-0.66824
1078	SLU 52	-1.14403	-1.14403	SLU 1	-0.65274	-0.65274
1079	SLU 52	-1.21149	-1.21149	SLU 1	-0.68499	-0.68499
1080	SLU 51	-1.17408	-1.17408	SLU 2	-0.67153	-0.67153
1081	SLU 51	-1.20889	-1.20889	SLU 2	-0.69081	-0.69081
1082	SLU 51	-1.20943	-1.20943	SLU 2	-0.69187	-0.69187
1083	SLU 51	-1.20764	-1.20764	SLU 2	-0.68939	-0.68939
1084	SLU 51	-1.17993	-1.17993	SLU 2	-0.67511	-0.67511
1085	SLU 51	-1.20545	-1.20545	SLU 2	-0.68747	-0.68747
1086	SLU 52	-1.19723	-1.19723	SLU 1	-0.67761	-0.67761
1087	SLU 51	-1.18602	-1.18602	SLU 2	-0.67881	-0.67881
1088	SLU 51	-1.18715	-1.18715	SLU 2	-0.67232	-0.67232
1089	SLU 51	-1.20262	-1.20262	SLU 2	-0.68537	-0.68537
1090	SLU 51	-1.18067	-1.18067	SLU 2	-0.66858	-0.66858
1091	SLU 51	-1.20989	-1.20989	SLU 2	-0.69325	-0.69325
1092	SLU 51	-1.16923	-1.16923	SLU 2	-0.66188	-0.66188
1093	SLU 51	-1.17649	-1.17649	SLU 2	-0.66608	-0.66608
1094	SLU 51	-1.17133	-1.17133	SLU 2	-0.66301	-0.66301
1095	SLU 51	-1.16746	-1.16746	SLU 2	-0.66105	-0.66105

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
1096	SLU 51	-1.17364	-1.17364	SLU 2	-0.66436	-0.66436
1097	SLU 51	-1.16645	-1.16645	SLU 2	-0.66074	-0.66074
1098	SLU 51	-1.16656	-1.16656	SLU 2	-0.66113	-0.66113
1099	SLU 51	-1.19252	-1.19252	SLU 2	-0.68292	-0.68292
1100	SLU 51	-1.16799	-1.16799	SLU 2	-0.6623	-0.6623
1101	SLU 51	-1.19912	-1.19912	SLU 2	-0.683	-0.683
1102	SLU 51	-1.17094	-1.17094	SLU 2	-0.66445	-0.66445
1103	SLU 51	-1.20868	-1.20868	SLU 2	-0.69321	-0.69321
1104	SLU 51	-1.19476	-1.19476	SLU 2	-0.68014	-0.68014
1105	SLU 51	-1.18985	-1.18985	SLU 2	-0.67693	-0.67693
1106	SLU 51	-1.20533	-1.20533	SLU 2	-0.69126	-0.69126
1107	SLU 51	-1.18462	-1.18462	SLU 2	-0.67356	-0.67356
1108	SLU 51	-1.14011	-1.14011	SLV 13	-0.64647	-0.64647
1109	SLU 51	-1.13804	-1.13804	SLV 13	-0.64616	-0.64616
1110	SLU 51	-1.17972	-1.17972	SLU 2	-0.67042	-0.67042
1111	SLU 51	-1.14249	-1.14249	SLV 13	-0.64712	-0.64712
1112	SLU 51	-1.13651	-1.13651	SLV 13	-0.64632	-0.64632
1113	SLU 51	-1.14509	-1.14509	SLV 13	-0.64819	-0.64819
1114	SLU 51	-1.148	-1.148	SLV 13	-0.64966	-0.64966
1115	SLU 52	-1.136	-1.136	SLV 13	-0.64707	-0.64707
1116	SLU 51	-1.17345	-1.17345	SLU 2	-0.66641	-0.66641
1117	SLU 51	-1.15132	-1.15132	SLV 13	-0.65162	-0.65162
1118	SLU 51	-1.19996	-1.19996	SLU 2	-0.68811	-0.68811
1119	SLU 51	-1.17629	-1.17629	SLU 2	-0.66837	-0.66837
1120	SLU 51	-1.1551	-1.1551	SLV 13	-0.65421	-0.65421
1121	SLU 52	-1.1371	-1.1371	SLV 13	-0.64852	-0.64852
1122	SLU 51	-1.15942	-1.15942	SLV 13	-0.65732	-0.65732
1123	SLU 52	-1.13927	-1.13927	SLV 13	-0.65028	-0.65028
1124	SLU 51	-1.21274	-1.21274	SLU 2	-0.69563	-0.69563
1125	SLU 51	-1.16422	-1.16422	SLV 13	-0.6611	-0.6611
1126	SLU 51	-1.16949	-1.16949	SLV 13	-0.66573	-0.66573
1127	SLU 51	-1.21271	-1.21271	SLU 2	-0.69512	-0.69512
1128	SLU 51	-1.21131	-1.21131	SLU 2	-0.69354	-0.69354
1129	SLU 51	-1.17531	-1.17531	SLV 13	-0.67122	-0.67122
1130	SLU 51	-1.20877	-1.20877	SLU 2	-0.69138	-0.69138
1131	SLU 51	-1.18783	-1.18783	SLU 2	-0.68171	-0.68171
1132	SLU 51	-1.19374	-1.19374	SLU 2	-0.68534	-0.68534
1133	SLU 51	-1.18167	-1.18167	SLV 13	-0.6778	-0.6778
1134	SLU 51	-1.20574	-1.20574	SLU 2	-0.68916	-0.68916
1135	SLU 51	-1.1985	-1.1985	SLU 2	-0.68846	-0.68846
1136	SLU 52	-1.28349	-1.28349	SLU 1	-0.72317	-0.72317
1137	SLU 52	-1.36165	-1.36165	SLU 1	-0.76285	-0.76285
1138	SLU 52	-1.25915	-1.25915	SLU 1	-0.71069	-0.71069
1139	SLU 52	-1.23481	-1.23481	SLU 1	-0.69821	-0.69821
1140	SLU 52	-1.21078	-1.21078	SLU 1	-0.68592	-0.68592
1141	SLU 52	-1.18757	-1.18757	SLU 1	-0.67409	-0.67409
1142	SLU 52	-1.33589	-1.33589	SLU 1	-0.7494	-0.7494
1143	SLU 52	-1.16833	-1.16833	SLU 1	-0.66437	-0.66437
1144	SLU 51	-1.20246	-1.20246	SLU 2	-0.6872	-0.6872
1145	SLU 52	-1.15376	-1.15376	SLU 1	-0.65711	-0.65711
1146	SLU 52	-1.30722	-1.30722	SLU 1	-0.73443	-0.73443
1147	SLU 51	-1.21543	-1.21543	SLU 2	-0.69956	-0.69956
1148	SLU 52	-1.2777	-1.2777	SLU 1	-0.71904	-0.71904
1149	SLU 51	-1.17621	-1.17621	SLV 1	-0.66457	-0.66457
1150	SLU 52	-1.14358	-1.14358	SLV 13	-0.65157	-0.65157
1151	SLU 52	-1.21442	-1.21442	SLU 1	-0.69915	-0.69915
1152	SLU 51	-1.1974	-1.1974	SLU 2	-0.68393	-0.68393
1153	SLU 51	-1.17287	-1.17287	SLV 1	-0.66235	-0.66235
1154	SLU 52	-1.24994	-1.24994	SLU 1	-0.70457	-0.70457
1155	SLU 52	-1.21069	-1.21069	SLU 1	-0.69734	-0.69734
1156	SLU 51	-1.19167	-1.19167	SLV 1	-0.67868	-0.67868
1157	SLU 51	-1.18023	-1.18023	SLV 1	-0.66683	-0.66683
1158	SLU 51	-1.18575	-1.18575	SLV 1	-0.67182	-0.67182
1159	SLU 52	-1.22601	-1.22601	SLU 1	-0.69213	-0.69213
1160	SLU 51	-1.14806	-1.14806	SLV 13	-0.64449	-0.64449
1161	SLU 51	-1.15143	-1.15143	SLV 13	-0.64643	-0.64643
1162	SLU 51	-1.1451	-1.1451	SLV 13	-0.64301	-0.64301
1163	SLU 51	-1.14238	-1.14238	SLV 13	-0.64199	-0.64199
1164	SLU 51	-1.13983	-1.13983	SLV 13	-0.64133	-0.64133
1165	SLU 51	-1.1553	-1.1553	SLV 13	-0.64893	-0.64893
1166	SLU 52	-1.13762	-1.13762	SLV 13	-0.64102	-0.64102
1167	SLU 52	-1.20695	-1.20695	SLU 1	-0.68228	-0.68228
1168	SLU 52	-1.13589	-1.13589	SLV 13	-0.64114	-0.64114
1169	SLU 51	-1.20588	-1.20588	SLU 2	-0.69426	-0.69426
1170	SLU 51	-1.2164	-1.2164	SLU 2	-0.6994	-0.6994
1171	SLU 52	-1.1351	-1.1351	SLV 13	-0.64191	-0.64191
1172	SLU 52	-1.13838	-1.13838	SLV 13	-0.64648	-0.64648
1173	SLU 51	-1.15975	-1.15975	SLV 13	-0.65203	-0.65203
1174	SLU 51	-1.17004	-1.17004	SLV 1	-0.65979	-0.65979
1175	SLU 52	-1.13579	-1.13579	SLV 13	-0.64359	-0.64359
1176	SLU 52	-1.1929	-1.1929	SLU 1	-0.6751	-0.6751
1177	SLU 52	-1.18326	-1.18326	SLU 1	-0.67028	-0.67028
1178	SLU 51	-1.16476	-1.16476	SLV 13	-0.65583	-0.65583
1179	SLU 51	-1.16652	-1.16652	SLV 1	-0.6587	-0.6587
1180	SLU 51	-1.16448	-1.16448	SLU 2	-0.6613	-0.6613
1181	SLU 51	-1.16717	-1.16717	SLU 2	-0.66202	-0.66202
1182	SLU 51	-1.17714	-1.17714	SLU 2	-0.66736	-0.66736
1183	SLU 51	-1.16477	-1.16477	SLV 1	-0.65966	-0.65966
1184	SLU 51	-1.16543	-1.16543	SLU 2	-0.66139	-0.66139
1185	SLU 51	-1.16917	-1.16917	SLU 2	-0.66292	-0.66292
1186	SLU 51	-1.17359	-1.17359	SLU 2	-0.66532	-0.66532
1187	SLU 51	-1.17121	-1.17121	SLU 2	-0.66398	-0.66398
1188	SLU 51	-1.20844	-1.20844	SLU 2	-0.69244	-0.69244
1189	SLU 51	-1.21491	-1.21491	SLU 2	-0.69773	-0.69773
1190	SLU 51	-1.20115	-1.20115	SLV 9	-0.68761	-0.68761
1191	SLU 51	-1.17035	-1.17035	SLV 9	-0.65918	-0.65918
1192	SLU 51	-1.21178	-1.21178	SLU 2	-0.69511	-0.69511
1193	SLU 51	-1.19558	-1.19558	SLV 9	-0.68101	-0.68101
1194	SLU 51	-1.18984	-1.18984	SLV 9	-0.67404	-0.67404

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
1195	SLU 51	-1.1764	-1.1764	SLV 9	-0.66232	-0.66232
1196	SLU 51	-1.17605	-1.17605	SLV 1	-0.65955	-0.65955
1201	SLU 51	-1.18372	-1.18372	SLV 9	-0.66391	-0.66391
1202	SLU 51	-1.17355	-1.17355	SLV 1	-0.65745	-0.65745
1203	SLU 51	-1.20737	-1.20737	SLV 5	-0.69034	-0.69034
1204	SLU 52	-1.21498	-1.21498	SLV 9	-0.69207	-0.69207
1205	SLU 52	-1.22097	-1.22097	SLU 1	-0.70303	-0.70303
1206	SLU 52	-1.2225	-1.2225	SLU 1	-0.70387	-0.70387
1207	SLU 52	-1.22026	-1.22026	SLU 1	-0.70297	-0.70297
1208	SLU 52	-1.15206	-1.15206	SLV 9	-0.64053	-0.64053
1209	SLU 52	-1.15581	-1.15581	SLV 9	-0.64141	-0.64141
1210	SLU 52	-1.14896	-1.14896	SLV 9	-0.63967	-0.63967
1211	SLU 52	-1.19739	-1.19739	SLV 9	-0.67019	-0.67019
1212	SLU 51	-1.20077	-1.20077	SLV 1	-0.68028	-0.68028
1213	SLU 52	-1.19211	-1.19211	SLV 9	-0.66493	-0.66493
1214	SLU 52	-1.1602	-1.1602	SLV 9	-0.6425	-0.6425
1215	SLU 52	-1.14633	-1.14633	SLV 13	-0.63863	-0.63863
1216	SLU 52	-1.18802	-1.18802	SLV 9	-0.66035	-0.66035
1217	SLU 52	-1.21011	-1.21011	SLV 9	-0.68215	-0.68215
1218	SLU 51	-1.19402	-1.19402	SLV 1	-0.67087	-0.67087
1219	SLU 52	-1.14379	-1.14379	SLV 13	-0.63761	-0.63761
1220	SLU 51	-1.17914	-1.17914	SLV 1	-0.65751	-0.65751
1221	SLU 52	-1.20352	-1.20352	SLV 9	-0.6741	-0.6741
1222	SLU 51	-1.18695	-1.18695	SLV 1	-0.66347	-0.66347
1223	SLU 52	-1.1654	-1.1654	SLV 9	-0.64373	-0.64373
1224	SLU 52	-1.17694	-1.17694	SLV 9	-0.65079	-0.65079
1225	SLU 52	-1.21791	-1.21791	SLV 5	-0.6984	-0.6984
1226	SLU 51	-1.21363	-1.21363	SLV 5	-0.69265	-0.69265
1227	SLU 52	-1.14137	-1.14137	SLV 13	-0.63692	-0.63692
1228	SLU 52	-1.17151	-1.17151	SLV 9	-0.64633	-0.64633
1229	SLU 52	-1.13893	-1.13893	SLV 13	-0.63653	-0.63653
1230	SLU 52	-1.13672	-1.13672	SLV 13	-0.6365	-0.6365
1231	SLU 52	-1.1425	-1.1425	SLV 13	-0.64614	-0.64614
1232	SLU 52	-1.13528	-1.13528	SLV 13	-0.63709	-0.63709
1233	SLU 52	-1.13532	-1.13532	SLV 13	-0.63867	-0.63867
1234	SLU 52	-1.1375	-1.1375	SLV 13	-0.64155	-0.64155
1235	SLU 52	-1.15142	-1.15142	SLV 13	-0.65268	-0.65268
1236	SLU 52	-1.16568	-1.16568	SLV 13	-0.66223	-0.66223
1237	SLU 52	-1.28284	-1.28284	SLU 1	-0.72203	-0.72203
1238	SLU 52	-1.35946	-1.35946	SLU 1	-0.7609	-0.7609
1239	SLU 52	-1.25787	-1.25787	SLU 1	-0.70929	-0.70929
1240	SLU 52	-1.18527	-1.18527	SLU 1	-0.6724	-0.6724
1241	SLU 52	-1.23332	-1.23332	SLU 1	-0.69678	-0.69678
1242	SLU 52	-1.20863	-1.20863	SLU 1	-0.68423	-0.68423
1243	SLU 52	-1.33306	-1.33306	SLU 1	-0.74718	-0.74718
1244	SLU 52	-1.30366	-1.30366	SLU 1	-0.73192	-0.73192
1245	SLU 52	-1.27367	-1.27367	SLU 1	-0.71636	-0.71636
1246	SLU 52	-1.24565	-1.24565	SLU 1	-0.70184	-0.70184
1247	SLU 52	-1.18842	-1.18842	SLV 9	-0.65271	-0.65271
1248	SLU 51	-1.17195	-1.17195	SLV 1	-0.65077	-0.65077
1249	SLU 52	-1.2217	-1.2217	SLU 1	-0.68947	-0.68947
1250	SLU 52	-1.19827	-1.19827	SLV 9	-0.65975	-0.65975
1251	SLU 52	-1.2029	-1.2029	SLU 1	-0.67983	-0.67983
1252	SLU 51	-1.16624	-1.16624	SLV 1	-0.64937	-0.64937
1253	SLU 52	-1.1935	-1.1935	SLV 9	-0.65469	-0.65469
1254	SLU 52	-1.18942	-1.18942	SLU 1	-0.67301	-0.67301
1255	SLU 51	-1.16391	-1.16391	SLV 1	-0.65086	-0.65086
1256	SLU 51	-1.16369	-1.16369	SLV 1	-0.65385	-0.65385
1257	SLU 51	-1.16718	-1.16718	SLV 1	-0.66227	-0.66227
1258	SLU 51	-1.165	-1.165	SLV 1	-0.65781	-0.65781
1259	SLU 52	-1.18069	-1.18069	SLU 1	-0.66874	-0.66874
1260	SLU 51	-1.16941	-1.16941	SLU 2	-0.6642	-0.6642
1261	SLU 52	-1.17568	-1.17568	SLU 1	-0.66649	-0.66649
1262	SLU 52	-1.17299	-1.17299	SLU 1	-0.66553	-0.66553
1263	SLU 51	-1.17122	-1.17122	SLU 2	-0.66499	-0.66499
1264	SLU 52	-1.15347	-1.15347	SLV 9	-0.6299	-0.6299
1265	SLU 52	-1.15702	-1.15702	SLV 9	-0.63031	-0.63031
1266	SLU 52	-1.18377	-1.18377	SLV 9	-0.64336	-0.64336
1267	SLU 52	-1.15073	-1.15073	SLV 9	-0.6294	-0.6294
1268	SLU 52	-1.16116	-1.16116	SLV 9	-0.63078	-0.63078
1271	SLU 52	-1.14878	-1.14878	SLV 9	-0.62752	-0.62752
1272	SLU 52	-1.16632	-1.16632	SLV 9	-0.62981	-0.62981
1273	SLU 52	-1.20381	-1.20381	SLV 9	-0.65382	-0.65382
1274	SLU 52	-1.17395	-1.17395	SLV 9	-0.63285	-0.63285
1275	SLU 52	-1.22168	-1.22168	SLV 9	-0.66962	-0.66962
1276	SLU 52	-1.22648	-1.22648	SLV 5	-0.68476	-0.68476
1277	SLU 52	-1.21386	-1.21386	SLV 9	-0.6613	-0.6613
1278	SLU 52	-1.21075	-1.21075	SLV 5	-0.66949	-0.66949
1279	SLU 52	-1.14652	-1.14652	SLV 9	-0.62726	-0.62726
1280	SLU 52	-1.20386	-1.20386	SLV 5	-0.66426	-0.66426
1281	SLU 52	-1.22231	-1.22231	SLV 5	-0.67871	-0.67871
1282	SLU 52	-1.21705	-1.21705	SLV 5	-0.67355	-0.67355
1283	SLU 51	-1.19667	-1.19667	SLV 5	-0.65941	-0.65941
1284	SLU 52	-1.14417	-1.14417	SLV 9	-0.62756	-0.62756
1285	SLU 52	-1.19453	-1.19453	SLV 9	-0.64294	-0.64294
1286	SLU 51	-1.18932	-1.18932	SLV 1	-0.65533	-0.65533
1287	SLU 51	-1.18196	-1.18196	SLV 1	-0.6498	-0.6498
1288	SLU 52	-1.14156	-1.14156	SLV 9	-0.62787	-0.62787
1289	SLU 52	-1.13868	-1.13868	SLV 9	-0.62857	-0.62857
1290	SLU 51	-1.17639	-1.17639	SLV 1	-0.64604	-0.64604
1291	SLU 52	-1.13629	-1.13629	SLV 9	-0.63	-0.63
1292	SLU 52	-1.13542	-1.13542	SLV 9	-0.63249	-0.63249
1293	SLU 52	-1.13695	-1.13695	SLV 9	-0.63619	-0.63619
1294	SLU 52	-1.14114	-1.14114	SLV 13	-0.64053	-0.64053
1295	SLU 52	-1.15237	-1.15237	SLV 9	-0.62115	-0.62115
1296	SLU 52	-1.1615	-1.1615	SLV 9	-0.62101	-0.62101
1297	SLU 52	-1.15476	-1.15476	SLV 9	-0.61994	-0.61994
1298	SLU 52	-1.15818	-1.15818	SLV 9	-0.61975	-0.61975
1299	SLU 52	-1.14826	-1.14826	SLV 13	-0.64524	-0.64524

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
1300	SLU 52	-1.16231	-1.16231	SLV 13	-0.65463	-0.65463
1301	SLU 52	-1.18252	-1.18252	SLV 13	-0.66754	-0.66754
1302	SLU 52	-1.20725	-1.20725	SLV 13	-0.68277	-0.68277
1303	SLU 50	-1.28561	-1.28561	SLU 4	-0.72258	-0.72258
1304	SLU 52	-1.36054	-1.36054	SLU 1	-0.76068	-0.76068
1305	SLU 52	-1.25945	-1.25945	SLU 1	-0.7094	-0.7094
1306	SLU 52	-1.23369	-1.23369	SLU 1	-0.69633	-0.69633
1307	SLU 52	-1.33269	-1.33269	SLU 1	-0.74629	-0.74629
1308	SLU 52	-1.30165	-1.30165	SLU 1	-0.73024	-0.73024
1309	SLU 52	-1.27062	-1.27062	SLU 1	-0.71422	-0.71422
1310	SLU 51	-1.16311	-1.16311	SLV 1	-0.6421	-0.6421
1311	SLU 52	-1.2419	-1.2419	SLU 1	-0.69942	-0.69942
1312	SLU 51	-1.16533	-1.16533	SLV 1	-0.63975	-0.63975
1313	SLU 51	-1.16325	-1.16325	SLV 1	-0.64591	-0.64591
1314	SLU 52	-1.21766	-1.21766	SLU 1	-0.68697	-0.68697
1315	SLU 51	-1.16528	-1.16528	SLV 1	-0.65085	-0.65085
1316	SLU 52	-1.16847	-1.16847	SLV 1	-0.6563	-0.6563
1317	SLU 52	-1.19904	-1.19904	SLU 1	-0.67748	-0.67748
1318	SLU 52	-1.17154	-1.17154	SLV 1	-0.6611	-0.6611
1319	SLU 52	-1.18622	-1.18622	SLU 1	-0.67107	-0.67107
1320	SLU 52	-1.17864	-1.17864	SLU 1	-0.66746	-0.66746
1321	SLU 52	-1.17014	-1.17014	SLV 1	-0.63889	-0.63889
1322	SLU 52	-1.15213	-1.15213	SLV 9	-0.61434	-0.61434
1323	SLU 52	-1.1752	-1.1752	SLU 1	-0.66609	-0.66609
1324	SLU 52	-1.17413	-1.17413	SLU 1	-0.66604	-0.66604
1325	SLU 52	-1.17341	-1.17341	SLV 1	-0.66465	-0.66465
1326	SLU 52	-1.16555	-1.16555	SLV 9	-0.61239	-0.61239
1327	SLU 52	-1.18514	-1.18514	SLV 9	-0.61777	-0.61777
1328	SLU 52	-1.17476	-1.17476	SLV 9	-0.6132	-0.6132
1331	SLU 52	-1.14996	-1.14996	SLV 9	-0.61499	-0.61499
1332	SLU 52	-1.22584	-1.22584	SLV 9	-0.64206	-0.64206
1333	SLU 52	-1.23059	-1.23059	SLV 5	-0.65702	-0.65702
1334	SLU 52	-1.2171	-1.2171	SLV 9	-0.63553	-0.63553
1335	SLU 52	-1.20667	-1.20667	SLV 9	-0.62831	-0.62831
1336	SLU 52	-1.22596	-1.22596	SLV 5	-0.65395	-0.65395
1337	SLU 52	-1.19613	-1.19613	SLV 9	-0.62131	-0.62131
1338	SLU 52	-1.22053	-1.22053	SLV 5	-0.65002	-0.65002
1339	SLU 52	-1.21447	-1.21447	SLV 5	-0.64681	-0.64681
1340	SLU 52	-1.15562	-1.15562	SLV 9	-0.60926	-0.60926
1341	SLU 52	-1.2076	-1.2076	SLV 5	-0.64365	-0.64365
1342	SLU 52	-1.15973	-1.15973	SLV 9	-0.60815	-0.60815
1343	SLU 52	-1.17637	-1.17637	SLV 5	-0.63639	-0.63639
1344	SLU 52	-1.14789	-1.14789	SLV 9	-0.61595	-0.61595
1345	SLU 52	-1.20031	-1.20031	SLV 5	-0.641	-0.641
1346	SLU 52	-1.19256	-1.19256	SLV 5	-0.63868	-0.63868
1347	SLU 52	-1.13948	-1.13948	SLV 9	-0.63086	-0.63086
1348	SLU 52	-1.1841	-1.1841	SLV 5	-0.63662	-0.63662
1349	SLU 52	-1.14526	-1.14526	SLV 9	-0.61598	-0.61598
1350	SLU 52	-1.13633	-1.13633	SLV 9	-0.62536	-0.62536
1351	SLU 52	-1.13552	-1.13552	SLV 9	-0.62092	-0.62092
1352	SLU 52	-1.1414	-1.1414	SLV 9	-0.61669	-0.61669
1353	SLU 52	-1.13757	-1.13757	SLV 9	-0.61826	-0.61826
1354	SLU 52	-1.14259	-1.14259	SLV 9	-0.62717	-0.62717
1355	SLU 52	-1.16462	-1.16462	SLV 5	-0.62607	-0.62607
1356	SLU 52	-1.16241	-1.16241	SLV 5	-0.63013	-0.63013
1357	SLU 52	-1.16285	-1.16285	SLV 5	-0.63535	-0.63535
1358	SLU 52	-1.16567	-1.16567	SLV 5	-0.64197	-0.64197
1359	SLU 52	-1.1543	-1.1543	SLV 9	-0.59827	-0.59827
1360	SLU 52	-1.17	-1.17	SLV 5	-0.64918	-0.64918
1361	SLU 52	-1.15757	-1.15757	SLV 9	-0.63888	-0.63888
1362	SLU 52	-1.15661	-1.15661	SLV 9	-0.59466	-0.59466
1363	SLU 52	-1.16929	-1.16929	SLV 5	-0.6224	-0.6224
1364	SLU 52	-1.17428	-1.17428	SLV 5	-0.65583	-0.65583
1365	SLU 52	-1.16052	-1.16052	SLV 9	-0.59219	-0.59219
1366	SLU 52	-1.16637	-1.16637	SLV 9	-0.59118	-0.59118
1367	SLU 52	-1.153	-1.153	SLV 9	-0.6013	-0.6013
1368	SLU 52	-1.17868	-1.17868	SLV 9	-0.65419	-0.65419
1369	SLU 52	-1.22858	-1.22858	SLV 5	-0.62612	-0.62612
1370	SLU 52	-1.20454	-1.20454	SLV 9	-0.67187	-0.67187
1371	SLU 52	-1.17506	-1.17506	SLV 9	-0.59095	-0.59095
1372	SLU 52	-1.23305	-1.23305	SLV 9	-0.69072	-0.69072
1373	SLU 52	-1.26094	-1.26094	SLV 13	-0.70884	-0.70884
1374	SLU 50	-1.28931	-1.28931	SLU 4	-0.72356	-0.72356
1375	SLU 52	-1.22816	-1.22816	SLV 9	-0.6125	-0.6125
1376	SLU 52	-1.23319	-1.23319	SLV 5	-0.62664	-0.62664
1377	SLU 52	-1.36241	-1.36241	SLU 1	-0.76093	-0.76093
1378	SLU 52	-1.23799	-1.23799	SLU 1	-0.69693	-0.69693
1379	SLU 52	-1.3317	-1.3317	SLU 1	-0.74512	-0.74512
1380	SLU 52	-1.26752	-1.26752	SLU 1	-0.71209	-0.71209
1381	SLU 52	-1.21308	-1.21308	SLU 1	-0.6842	-0.6842
1382	SLU 52	-1.29937	-1.29937	SLU 1	-0.72848	-0.72848
1383	SLU 52	-1.18556	-1.18556	SLV 9	-0.59302	-0.59302
1384	SLU 52	-1.21886	-1.21886	SLV 9	-0.60701	-0.60701
1385	SLU 52	-1.19451	-1.19451	SLU 1	-0.6748	-0.6748
1386	SLU 52	-1.22319	-1.22319	SLV 5	-0.62355	-0.62355
1387	SLU 52	-1.18235	-1.18235	SLU 1	-0.6688	-0.6688
1388	SLU 52	-1.17431	-1.17431	SLV 1	-0.66346	-0.66346
1389	SLU 52	-1.176	-1.176	SLU 1	-0.66588	-0.66588
1390	SLU 52	-1.20818	-1.20818	SLV 9	-0.60126	-0.60126
1391	SLU 52	-1.19699	-1.19699	SLV 9	-0.59634	-0.59634
1392	SLU 52	-1.17543	-1.17543	SLV 1	-0.66148	-0.66148
1395	SLU 52	-1.17621	-1.17621	SLV 5	-0.61883	-0.61883
1396	SLU 52	-1.15175	-1.15175	SLV 9	-0.60317	-0.60317
1397	SLU 52	-1.17639	-1.17639	SLV 1	-0.65901	-0.65901
1398	SLU 52	-1.21709	-1.21709	SLV 5	-0.62012	-0.62012
1399	SLU 52	-1.1954	-1.1954	SLV 5	-0.61864	-0.61864
1400	SLU 52	-1.18543	-1.18543	SLV 5	-0.61783	-0.61783
1401	SLU 52	-1.21016	-1.21016	SLV 5	-0.61928	-0.61928
1402	SLU 52	-1.20319	-1.20319	SLV 5	-0.61894	-0.61894

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
1403	SLU 52	-1.13545	-1.13545	SLV 9	-0.61444	-0.61444
1404	SLU 52	-1.14957	-1.14957	SLV 9	-0.60226	-0.60226
1405	SLU 52	-1.13467	-1.13467	SLV 9	-0.60793	-0.60793
1406	SLU 52	-1.13807	-1.13807	SLV 9	-0.60485	-0.60485
1407	SLU 52	-1.14393	-1.14393	SLV 9	-0.6033	-0.6033
1408	SLU 52	-1.16004	-1.16004	SLV 9	-0.5753	-0.5753
1409	SLU 52	-1.15662	-1.15662	SLV 9	-0.57843	-0.57843
1410	SLU 52	-1.15481	-1.15481	SLV 9	-0.58195	-0.58195
1411	SLU 52	-1.16274	-1.16274	SLV 5	-0.60892	-0.60892
1412	SLU 52	-1.16047	-1.16047	SLV 5	-0.6135	-0.6135
1413	SLU 52	-1.1672	-1.1672	SLV 5	-0.60502	-0.60502
1414	SLU 52	-1.16106	-1.16106	SLV 5	-0.61992	-0.61992
1415	SLU 52	-1.22967	-1.22967	SLV 5	-0.59746	-0.59746
1416	SLU 52	-1.16431	-1.16431	SLV 5	-0.62752	-0.62752
1417	SLU 52	-1.15424	-1.15424	SLV 9	-0.58505	-0.58505
1418	SLU 52	-1.22436	-1.22436	SLV 5	-0.59601	-0.59601
1419	SLU 52	-1.22842	-1.22842	SLV 9	-0.58257	-0.58257
1420	SLU 52	-1.23398	-1.23398	SLV 5	-0.59542	-0.59542
1421	SLU 52	-1.1649	-1.1649	SLV 9	-0.56949	-0.56949
1422	SLU 52	-1.16923	-1.16923	SLV 5	-0.63526	-0.63526
1423	SLU 52	-1.21872	-1.21872	SLV 9	-0.57737	-0.57737
1424	SLU 52	-1.20812	-1.20812	SLV 9	-0.57335	-0.57335
1425	SLU 52	-1.17349	-1.17349	SLV 9	-0.56684	-0.56684
1426	SLU 52	-1.19627	-1.19627	SLV 9	-0.56972	-0.56972
1427	SLU 52	-1.18457	-1.18457	SLV 9	-0.56736	-0.56736
1428	SLU 52	-1.17346	-1.17346	SLV 5	-0.59871	-0.59871
1429	SLU 52	-1.17428	-1.17428	SLV 5	-0.64133	-0.64133
1432	SLU 52	-1.15396	-1.15396	SLV 9	-0.58656	-0.58656
1433	SLU 52	-1.19752	-1.19752	SLV 5	-0.59519	-0.59519
1434	SLU 52	-1.20342	-1.20342	SLV 5	-0.59399	-0.59399
1435	SLU 52	-1.18426	-1.18426	SLV 5	-0.59563	-0.59563
1436	SLU 52	-1.21003	-1.21003	SLV 5	-0.5922	-0.5922
1437	SLU 52	-1.13906	-1.13906	SLV 9	-0.60927	-0.60927
1438	SLU 52	-1.15298	-1.15298	SLV 9	-0.62182	-0.62182
1439	SLU 52	-1.18856	-1.18856	SLV 1	-0.6707	-0.6707
1440	SLU 52	-1.17692	-1.17692	SLV 1	-0.66276	-0.66276
1441	SLU 52	-1.20682	-1.20682	SLU 1	-0.68057	-0.68057
1442	SLU 52	-1.17145	-1.17145	SLV 5	-0.65664	-0.65664
1443	SLU 52	-1.17108	-1.17108	SLV 5	-0.65222	-0.65222
1444	SLU 52	-1.17396	-1.17396	SLV 9	-0.63769	-0.63769
1445	SLU 52	-1.23138	-1.23138	SLU 1	-0.69307	-0.69307
1446	SLU 52	-1.21757	-1.21757	SLV 5	-0.58875	-0.58875
1447	SLU 52	-1.20041	-1.20041	SLV 9	-0.65598	-0.65598
1448	SLU 52	-1.26124	-1.26124	SLU 1	-0.70836	-0.70836
1449	SLU 52	-1.23018	-1.23018	SLV 9	-0.6755	-0.6755
1450	SLU 52	-1.1741	-1.1741	SLV 5	-0.64864	-0.64864
1451	SLU 52	-1.29373	-1.29373	SLU 1	-0.72503	-0.72503
1452	SLU 50	-1.25921	-1.25921	SLV 9	-0.6941	-0.6941
1453	SLU 50	-1.28872	-1.28872	SLV 9	-0.71262	-0.71262
1456	SLU 52	-1.35987	-1.35987	SLU 1	-0.75899	-0.75899
1457	SLU 52	-1.32684	-1.32684	SLU 1	-0.74203	-0.74203
1458	SLU 52	-1.13223	-1.13223	SLV 9	-0.59874	-0.59874
1459	SLU 52	-1.13631	-1.13631	SLV 9	-0.58879	-0.58879
1460	SLU 52	-1.13178	-1.13178	SLV 9	-0.59201	-0.59201
1461	SLU 52	-1.14407	-1.14407	SLV 9	-0.58694	-0.58694
1462	SLU 52	-1.15829	-1.15829	SLV 9	-0.56076	-0.56076
1463	SLU 52	-1.1524	-1.1524	SLV 9	-0.58268	-0.58268
1464	SLU 52	-1.17626	-1.17626	SLV 5	-0.64096	-0.64096
1465	SLU 52	-1.15518	-1.15518	SLV 9	-0.56167	-0.56167
1466	SLU 52	-1.16414	-1.16414	SLV 5	-0.59084	-0.59084
1467	SLU 52	-1.2241	-1.2241	SLV 5	-0.57382	-0.57382
1468	SLU 52	-1.22857	-1.22857	SLV 5	-0.57192	-0.57192
1469	SLU 52	-1.15308	-1.15308	SLV 9	-0.56449	-0.56449
1470	SLU 52	-1.15981	-1.15981	SLV 5	-0.59197	-0.59197
1471	SLU 52	-1.21986	-1.21986	SLV 5	-0.57298	-0.57298
1472	SLU 52	-1.15697	-1.15697	SLV 5	-0.59608	-0.59608
1473	SLU 52	-1.15218	-1.15218	SLV 9	-0.56798	-0.56798
1474	SLU 52	-1.15727	-1.15727	SLV 5	-0.60312	-0.60312
1475	SLU 52	-1.16046	-1.16046	SLV 5	-0.61163	-0.61163
1476	SLU 52	-1.22489	-1.22489	SLV 9	-0.55365	-0.55365
1477	SLU 52	-1.23302	-1.23302	SLV 9	-0.55979	-0.55979
1478	SLU 52	-1.23484	-1.23484	SLV 5	-0.56297	-0.56297
1479	SLU 52	-1.23117	-1.23117	SLV 5	-0.56488	-0.56488
1480	SLU 52	-1.16545	-1.16545	SLV 5	-0.62057	-0.62057
1481	SLU 52	-1.17008	-1.17008	SLV 5	-0.62762	-0.62762
1482	SLU 52	-1.21526	-1.21526	SLV 9	-0.54802	-0.54802
1483	SLU 52	-1.15118	-1.15118	SLV 9	-0.57037	-0.57037
1484	SLU 52	-1.20537	-1.20537	SLV 9	-0.5453	-0.5453
1485	SLU 52	-1.19358	-1.19358	SLV 9	-0.54315	-0.54315
1486	SLU 52	-1.15984	-1.15984	SLV 9	-0.54524	-0.54524
1487	SLU 52	-1.1817	-1.1817	SLV 9	-0.54057	-0.54057
1488	SLU 52	-1.16976	-1.16976	SLV 9	-0.54052	-0.54052
1489	SLU 52	-1.20576	-1.20576	SLV 5	-0.56532	-0.56532
1490	SLU 52	-1.19842	-1.19842	SLV 5	-0.5671	-0.5671
1495	SLU 52	-1.21228	-1.21228	SLV 5	-0.56153	-0.56153
1496	SLU 52	-1.16585	-1.16585	SLV 5	-0.5753	-0.5753
1497	SLU 52	-1.18965	-1.18965	SLV 5	-0.56753	-0.56753
1498	SLU 52	-1.17782	-1.17782	SLV 5	-0.56995	-0.56995
1499	SLU 52	-1.17016	-1.17016	SLV 5	-0.62826	-0.62826
1500	SLU 52	-1.21685	-1.21685	SLV 5	-0.55622	-0.55622
1501	SLU 52	-1.22148	-1.22148	SLV 5	-0.55454	-0.55454
1502	SLU 52	-1.14706	-1.14706	SLV 9	-0.56737	-0.56737
1503	SLU 52	-1.16776	-1.16776	SLV 5	-0.63241	-0.63241
1504	SLU 52	-1.16442	-1.16442	SLV 5	-0.63598	-0.63598
1505	SLU 52	-1.16431	-1.16431	SLV 5	-0.64074	-0.64074
1506	SLU 52	-1.22541	-1.22541	SLV 5	-0.55195	-0.55195
1507	SLU 52	-1.16933	-1.16933	SLV 5	-0.64771	-0.64771
1508	SLU 52	-1.18059	-1.18059	SLV 5	-0.65761	-0.65761
1509	SLU 52	-1.19854	-1.19854	SLV 5	-0.67077	-0.67077

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
1510	SLU 52	-1.22253	-1.22253	SLV 1	-0.68475	-0.68475
1511	SLU 52	-1.16715	-1.16715	SLV 9	-0.62006	-0.62006
1512	SLU 52	-1.13926	-1.13926	SLV 9	-0.56854	-0.56854
1513	SLU 52	-1.14665	-1.14665	SLV 9	-0.60379	-0.60379
1514	SLU 52	-1.19276	-1.19276	SLV 9	-0.63796	-0.63796
1515	SLU 52	-1.13309	-1.13309	SLV 9	-0.5909	-0.5909
1516	SLU 52	-1.25129	-1.25129	SLV 1	-0.70035	-0.70035
1517	SLU 52	-1.15258	-1.15258	SLV 9	-0.5421	-0.5421
1518	SLU 52	-1.12654	-1.12654	SLV 9	-0.58096	-0.58096
1519	SLU 52	-1.22083	-1.22083	SLV 9	-0.65627	-0.65627
1520	SLU 52	-1.13122	-1.13122	SLV 9	-0.57045	-0.57045
1521	SLU 52	-1.12636	-1.12636	SLV 9	-0.57435	-0.57435
1522	SLU 52	-1.28242	-1.28242	SLV 1	-0.71678	-0.71678
1523	SLU 50	-1.24773	-1.24773	SLV 9	-0.67295	-0.67295
1524	SLU 52	-1.31244	-1.31244	SLV 1	-0.73226	-0.73226
1525	SLU 52	-1.22689	-1.22689	SLV 5	-0.54432	-0.54432
1526	SLU 50	-1.27635	-1.27635	SLV 9	-0.69021	-0.69021
1527	SLU 52	-1.34512	-1.34512	SLV 1	-0.74873	-0.74873
1528	SLU 52	-1.15621	-1.15621	SLV 5	-0.5732	-0.5732
1529	SLU 52	-1.1489	-1.1489	SLV 9	-0.54496	-0.54496
1530	SLU 52	-1.14628	-1.14628	SLV 9	-0.55505	-0.55505
1531	SLU 52	-1.1632	-1.1632	SLV 5	-0.61369	-0.61369
1532	SLU 52	-1.14705	-1.14705	SLV 9	-0.54977	-0.54977
1533	SLU 52	-1.22708	-1.22708	SLV 5	-0.53797	-0.53797
1534	SLU 52	-1.15194	-1.15194	SLV 5	-0.57773	-0.57773
1535	SLU 52	-1.15896	-1.15896	SLV 5	-0.6052	-0.6052
1536	SLU 52	-1.1514	-1.1514	SLV 5	-0.58494	-0.58494
1537	SLU 52	-1.22127	-1.22127	SLV 5	-0.53731	-0.53731
1538	SLU 52	-1.15421	-1.15421	SLV 5	-0.59467	-0.59467
1539	SLU 52	-1.2175	-1.2175	SLV 5	-0.53687	-0.53687
1540	SLU 52	-1.18942	-1.18942	SLV 9	-0.51831	-0.51831
1541	SLU 52	-1.2124	-1.2124	SLV 5	-0.53713	-0.53713
1542	SLU 52	-1.19931	-1.19931	SLV 9	-0.51847	-0.51847
1543	SLU 52	-1.20661	-1.20661	SLV 5	-0.53856	-0.53856
1544	SLU 52	-1.19969	-1.19969	SLV 5	-0.54082	-0.54082
1545	SLU 52	-1.20638	-1.20638	SLV 9	-0.51783	-0.51783
1546	SLU 52	-1.21588	-1.21588	SLV 9	-0.52117	-0.52117
1547	SLU 52	-1.22194	-1.22194	SLV 9	-0.52556	-0.52556
1548	SLU 52	-1.19173	-1.19173	SLV 5	-0.5416	-0.5416
1549	SLU 52	-1.17794	-1.17794	SLV 9	-0.51316	-0.51316
1550	SLU 52	-1.18195	-1.18195	SLV 5	-0.53971	-0.53971
1551	SLU 52	-1.21929	-1.21929	SLV 5	-0.52327	-0.52327
1552	SLU 52	-1.16465	-1.16465	SLV 9	-0.51097	-0.51097
1553	SLU 52	-1.15803	-1.15803	SLV 5	-0.60678	-0.60678
1554	SLU 52	-1.13873	-1.13873	SLV 9	-0.54431	-0.54431
1555	SLU 52	-1.15443	-1.15443	SLV 9	-0.51452	-0.51452
1556	SLU 52	-1.15668	-1.15668	SLV 5	-0.61297	-0.61297
1557	SLU 52	-1.22	-1.22	SLV 5	-0.51781	-0.51781
1558	SLU 52	-1.16962	-1.16962	SLV 5	-0.54081	-0.54081
1559	SLU 52	-1.15435	-1.15435	SLV 5	-0.61779	-0.61779
1560	SLU 52	-1.13061	-1.13061	SLV 9	-0.54709	-0.54709
1561	SLU 52	-1.15858	-1.15858	SLV 5	-0.54635	-0.54635
1562	SLU 52	-1.15451	-1.15451	SLV 5	-0.62314	-0.62314
1563	SLU 52	-1.21321	-1.21321	SLV 5	-0.51916	-0.51916
1564	SLU 52	-1.15959	-1.15959	SLV 5	-0.63057	-0.63057
1565	SLU 52	-1.17077	-1.17077	SLV 5	-0.64078	-0.64078
1566	SLU 52	-1.14667	-1.14667	SLV 9	-0.51685	-0.51685
1567	SLU 52	-1.18292	-1.18292	SLV 9	-0.61958	-0.61958
1568	SLU 52	-1.23918	-1.23918	SLV 5	-0.68761	-0.68761
1569	SLU 52	-1.18852	-1.18852	SLV 5	-0.65402	-0.65402
1570	SLU 52	-1.21216	-1.21216	SLV 5	-0.67012	-0.67012
1571	SLU 52	-1.12298	-1.12298	SLV 9	-0.55018	-0.55018
1572	SLU 52	-1.21818	-1.21818	SLV 9	-0.51276	-0.51276
1573	SLU 52	-1.15898	-1.15898	SLV 9	-0.60195	-0.60195
1574	SLU 52	-1.19215	-1.19215	SLV 9	-0.50159	-0.50159
1575	SLU 52	-1.13953	-1.13953	SLV 9	-0.53135	-0.53135
1576	SLU 52	-1.20774	-1.20774	SLV 9	-0.63591	-0.63591
1577	SLU 52	-1.1388	-1.1388	SLV 9	-0.58553	-0.58553
1578	SLU 52	-1.18565	-1.18565	SLV 9	-0.50068	-0.50068
1579	SLU 52	-1.14211	-1.14211	SLV 9	-0.52304	-0.52304
1580	SLU 52	-1.12523	-1.12523	SLV 9	-0.57208	-0.57208
1581	SLU 52	-1.26673	-1.26673	SLV 1	-0.70206	-0.70206
1582	SLU 52	-1.11825	-1.11825	SLV 9	-0.5545	-0.5545
1583	SLU 52	-1.20729	-1.20729	SLV 5	-0.51784	-0.51784
1584	SLU 52	-1.11853	-1.11853	SLV 9	-0.56159	-0.56159
1585	SLU 52	-1.15108	-1.15108	SLV 5	-0.59055	-0.59055
1586	SLU 52	-1.14937	-1.14937	SLV 5	-0.54917	-0.54917
1587	SLU 52	-1.14507	-1.14507	SLV 5	-0.55746	-0.55746
1588	SLU 52	-1.14637	-1.14637	SLV 5	-0.57763	-0.57763
1589	SLU 52	-1.14418	-1.14418	SLV 5	-0.56673	-0.56673
1590	SLU 52	-1.18669	-1.18669	SLV 5	-0.52262	-0.52262
1591	SLU 52	-1.20037	-1.20037	SLV 5	-0.51567	-0.51567
1592	SLU 50	-1.22984	-1.22984	SLV 9	-0.64827	-0.64827
1593	SLU 52	-1.29164	-1.29164	SLV 1	-0.71398	-0.71398
1594	SLU 52	-1.19266	-1.19266	SLV 5	-0.51794	-0.51794
1595	SLU 50	-1.25827	-1.25827	SLV 9	-0.66536	-0.66536
1596	SLU 52	-1.32445	-1.32445	SLV 1	-0.73029	-0.73029
1597	SLU 52	-1.21072	-1.21072	SLV 5	-0.49841	-0.49841
1598	SLU 52	-1.20276	-1.20276	SLV 5	-0.50199	-0.50199
1599	SLU 52	-1.21201	-1.21201	SLV 5	-0.49633	-0.49633
1600	SLU 52	-1.19066	-1.19066	SLV 9	-0.48602	-0.48602
1601	SLU 52	-1.20663	-1.20663	SLV 5	-0.49929	-0.49929
1602	SLU 52	-1.21108	-1.21108	SLV 9	-0.49434	-0.49434
1603	SLU 52	-1.20853	-1.20853	SLV 9	-0.49205	-0.49205
1604	SLU 52	-1.1751	-1.1751	SLV 9	-0.48479	-0.48479
1605	SLU 52	-1.20149	-1.20149	SLV 9	-0.48799	-0.48799
1606	SLU 52	-1.15888	-1.15888	SLV 9	-0.48368	-0.48368
1607	SLU 52	-1.17497	-1.17497	SLV 5	-0.50871	-0.50871
1608	SLU 52	-1.19513	-1.19513	SLV 9	-0.61886	-0.61886

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
1609	SLU 52	-1.25231	-1.25231	SLV 5	-0.68799	-0.68799
1610	SLU 52	-1.14736	-1.14736	SLV 9	-0.48694	-0.48694
1611	SLU 52	-1.16132	-1.16132	SLV 5	-0.51379	-0.51379
1612	SLU 52	-1.14314	-1.14314	SLV 5	-0.59224	-0.59224
1613	SLU 52	-1.14296	-1.14296	SLV 5	-0.58369	-0.58369
1614	SLU 52	-1.22832	-1.22832	SLV 5	-0.67198	-0.67198
1615	SLU 52	-1.14202	-1.14202	SLV 5	-0.5984	-0.5984
1616	SLU 52	-1.12528	-1.12528	SLV 9	-0.51746	-0.51746
1617	SLU 52	-1.17416	-1.17416	SLV 9	-0.60294	-0.60294
1618	SLU 52	-1.15018	-1.15018	SLV 5	-0.52037	-0.52037
1619	SLU 52	-1.11921	-1.11921	SLV 9	-0.52404	-0.52404
1620	SLU 52	-1.13895	-1.13895	SLV 9	-0.49176	-0.49176
1621	SLU 52	-1.14294	-1.14294	SLV 5	-0.60471	-0.60471
1622	SLU 52	-1.15029	-1.15029	SLV 9	-0.58495	-0.58495
1623	SLU 52	-1.14833	-1.14833	SLV 5	-0.61277	-0.61277
1624	SLU 52	-1.20131	-1.20131	SLV 5	-0.65381	-0.65381
1625	SLU 52	-1.15977	-1.15977	SLV 5	-0.62365	-0.62365
1626	SLU 52	-1.11279	-1.11279	SLV 9	-0.52904	-0.52904
1627	SLU 52	-1.18388	-1.18388	SLV 5	-0.49601	-0.49601
1628	SLU 52	-1.1331	-1.1331	SLV 9	-0.49867	-0.49867
1629	SLU 52	-1.14171	-1.14171	SLV 5	-0.52741	-0.52741
1630	SLU 52	-1.17748	-1.17748	SLV 5	-0.63713	-0.63713
1631	SLU 52	-1.13024	-1.13024	SLV 9	-0.56796	-0.56796
1632	SLU 52	-1.10888	-1.10888	SLV 9	-0.53489	-0.53489
1633	SLU 52	-1.11664	-1.11664	SLV 9	-0.55412	-0.55412
1634	SLU 52	-1.19344	-1.19344	SLV 5	-0.48935	-0.48935
1635	SLU 52	-1.12858	-1.12858	SLV 9	-0.50669	-0.50669
1636	SLU 52	-1.10965	-1.10965	SLV 9	-0.54298	-0.54298
1637	SLU 52	-1.13692	-1.13692	SLV 5	-0.53663	-0.53663
1638	SLU 52	-1.13933	-1.13933	SLV 5	-0.57064	-0.57064
1639	SLU 52	-1.13545	-1.13545	SLV 5	-0.54713	-0.54713
1640	SLU 52	-1.13646	-1.13646	SLV 5	-0.55832	-0.55832
1641	SLU 52	-1.20412	-1.20412	SLV 9	-0.47636	-0.47636
1642	SLU 52	-1.1984	-1.1984	SLV 5	-0.47934	-0.47934
1643	SLU 52	-1.20375	-1.20375	SLV 9	-0.47479	-0.47479
1644	SLU 52	-1.20207	-1.20207	SLV 5	-0.47536	-0.47536
1645	SLU 50	-1.20433	-1.20433	SLV 9	-0.61785	-0.61785
1646	SLU 52	-1.2625	-1.2625	SLV 5	-0.68814	-0.68814
1647	SLU 50	-1.23945	-1.23945	SLV 9	-0.63981	-0.63981
1648	SLU 52	-1.30302	-1.30302	SLV 1	-0.71144	-0.71144
1649	SLU 52	-1.19618	-1.19618	SLV 9	-0.45984	-0.45984
1650	SLU 52	-1.18756	-1.18756	SLV 9	-0.45465	-0.45465
1651	SLU 52	-1.16327	-1.16327	SLV 9	-0.45277	-0.45277
1652	SLU 52	-1.17602	-1.17602	SLV 9	-0.45155	-0.45155
1653	SLU 52	-1.1687	-1.1687	SLV 9	-0.59004	-0.59004
1654	SLU 52	-1.22216	-1.22216	SLV 5	-0.66013	-0.66013
1655	SLU 52	-1.15	-1.15	SLV 9	-0.45524	-0.45524
1656	SLU 52	-1.13896	-1.13896	SLV 9	-0.46034	-0.46034
1657	SLU 52	-1.1421	-1.1421	SLV 9	-0.56928	-0.56928
1658	SLU 52	-1.12978	-1.12978	SLV 5	-0.57219	-0.57219
1659	SLU 52	-1.1512	-1.1512	SLV 5	-0.48664	-0.48664
1660	SLU 52	-1.19135	-1.19135	SLV 5	-0.63913	-0.63913
1661	SLU 52	-1.1624	-1.1624	SLV 5	-0.47796	-0.47796
1662	SLU 52	-1.13038	-1.13038	SLV 9	-0.46718	-0.46718
1663	SLU 52	-1.12955	-1.12955	SLV 5	-0.57963	-0.57963
1664	SLU 52	-1.12951	-1.12951	SLV 5	-0.56298	-0.56298
1665	SLU 52	-1.10803	-1.10803	SLV 9	-0.50221	-0.50221
1666	SLU 52	-1.14096	-1.14096	SLV 5	-0.49542	-0.49542
1667	SLU 52	-1.11366	-1.11366	SLV 9	-0.49414	-0.49414
1668	SLU 52	-1.1668	-1.1668	SLV 5	-0.62172	-0.62172
1669	SLU 52	-1.12169	-1.12169	SLV 9	-0.55173	-0.55173
1670	SLU 52	-1.17316	-1.17316	SLV 5	-0.46956	-0.46956
1671	SLU 52	-1.14875	-1.14875	SLV 5	-0.60749	-0.60749
1672	SLU 52	-1.19534	-1.19534	SLV 9	-0.45306	-0.45306
1673	SLU 52	-1.13299	-1.13299	SLV 5	-0.50496	-0.50496
1674	SLU 52	-1.13096	-1.13096	SLV 5	-0.58668	-0.58668
1675	SLU 52	-1.10238	-1.10238	SLV 9	-0.50876	-0.50876
1676	SLU 52	-1.12379	-1.12379	SLV 9	-0.47527	-0.47527
1677	SLU 52	-1.10783	-1.10783	SLV 9	-0.53716	-0.53716
1678	SLU 52	-1.13685	-1.13685	SLV 5	-0.59567	-0.59567
1679	SLU 52	-1.18258	-1.18258	SLV 5	-0.46252	-0.46252
1680	SLU 52	-1.12807	-1.12807	SLV 5	-0.51571	-0.51571
1681	SLU 52	-1.10054	-1.10054	SLV 9	-0.52532	-0.52532
1682	SLU 52	-1.09917	-1.09917	SLV 9	-0.51602	-0.51602
1683	SLU 52	-1.12778	-1.12778	SLV 5	-0.55132	-0.55132
1684	SLU 52	-1.12648	-1.12648	SLV 5	-0.53961	-0.53961
1685	SLU 52	-1.12607	-1.12607	SLV 5	-0.52732	-0.52732
1686	SLU 52	-1.11808	-1.11808	SLV 9	-0.48356	-0.48356
1687	SLU 52	-1.19342	-1.19342	SLV 5	-0.45264	-0.45264
1688	SLU 52	-1.18915	-1.18915	SLV 5	-0.45584	-0.45584
1689	SLU 50	-1.22124	-1.22124	SLV 9	-0.61431	-0.61431
1690	SLU 50	-1.18877	-1.18877	SLV 9	-0.59261	-0.59261
1691	SLU 50	-1.15858	-1.15858	SLV 9	-0.5717	-0.5717
1692	SLU 52	-1.1327	-1.1327	SLV 9	-0.55233	-0.55233
1693	SLU 52	-1.11251	-1.11251	SLV 9	-0.53514	-0.53514
1694	SLU 52	-1.09872	-1.09872	SLV 9	-0.52048	-0.52048
1695	SLU 52	-1.09139	-1.09139	SLV 9	-0.50834	-0.50834
1696	SLU 52	-1.08976	-1.08976	SLV 9	-0.4983	-0.4983
1697	SLU 52	-1.09235	-1.09235	SLV 9	-0.48962	-0.48962
1698	SLU 52	-1.09734	-1.09734	SLV 9	-0.48135	-0.48135
1699	SLU 52	-1.10313	-1.10313	SLV 9	-0.47265	-0.47265
1700	SLU 52	-1.10888	-1.10888	SLV 9	-0.46314	-0.46314
1701	SLU 52	-1.11474	-1.11474	SLV 9	-0.45304	-0.45304
1702	SLU 52	-1.12149	-1.12149	SLV 9	-0.44306	-0.44306
1703	SLU 52	-1.1299	-1.1299	SLV 9	-0.43412	-0.43412
1704	SLU 52	-1.14016	-1.14016	SLV 9	-0.42704	-0.42704
1705	SLU 52	-1.15173	-1.15173	SLV 9	-0.42245	-0.42245
1706	SLU 52	-1.1634	-1.1634	SLV 9	-0.4206	-0.4206
1707	SLU 52	-1.17362	-1.17362	SLV 9	-0.42116	-0.42116

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
1708	SLU 52	-1.18095	-1.18095	SLV 9	-0.42299	-0.42299
1709	SLU 52	-1.1845	-1.1845	SLV 9	-0.42501	-0.42501
1710	SLU 52	-1.184	-1.184	SLV 5	-0.42748	-0.42748
1711	SLU 52	-1.17974	-1.17974	SLV 5	-0.43127	-0.43127
1712	SLU 52	-1.17237	-1.17237	SLV 5	-0.43674	-0.43674
1713	SLU 52	-1.16284	-1.16284	SLV 5	-0.44377	-0.44377
1714	SLU 52	-1.15217	-1.15217	SLV 5	-0.45205	-0.45205
1715	SLU 52	-1.14143	-1.14143	SLV 5	-0.46137	-0.46137
1716	SLU 52	-1.13172	-1.13172	SLV 5	-0.47166	-0.47166
1717	SLU 52	-1.12404	-1.12404	SLV 5	-0.48294	-0.48294
1718	SLU 52	-1.119	-1.119	SLV 5	-0.49511	-0.49511
1719	SLU 52	-1.11663	-1.11663	SLV 5	-0.5079	-0.5079
1720	SLU 52	-1.11628	-1.11628	SLV 5	-0.52072	-0.52072
1721	SLU 52	-1.11682	-1.11682	SLV 5	-0.53284	-0.53284
1722	SLU 52	-1.11718	-1.11718	SLV 5	-0.54365	-0.54365
1723	SLU 52	-1.1171	-1.1171	SLV 5	-0.55303	-0.55303
1724	SLU 52	-1.11735	-1.11735	SLV 5	-0.56149	-0.56149
1725	SLU 52	-1.11961	-1.11961	SLV 5	-0.57003	-0.57003
1726	SLU 52	-1.12582	-1.12582	SLV 5	-0.57977	-0.57977
1727	SLU 52	-1.13759	-1.13759	SLV 5	-0.59165	-0.59165
1728	SLU 52	-1.15578	-1.15578	SLV 5	-0.60623	-0.60623
1729	SLU 52	-1.18043	-1.18043	SLV 5	-0.62362	-0.62362
1730	SLU 52	-1.21078	-1.21078	SLV 5	-0.64352	-0.64352
1731	SLU 52	-1.24533	-1.24533	SLV 5	-0.66527	-0.66527
1732	SLU 52	-1.28222	-1.28222	SLV 5	-0.68801	-0.68801

7.4 Verifica effetti secondo ordine

***Quota inferiore**: quota inferiore esprimibile come livello, falda, piano orizzontale alla Z specificata. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Quota superiore**: quota superiore esprimibile come livello, falda, piano orizzontale alla Z specificata. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Comb.**: combinazione.*
***N.b.**: nome breve o compatto della combinazione di carico.*
***Carico verticale**: carico verticale. [daN]*
***Spostamento**: spostamento medio di interpiano. [cm]*
***Forza orizzontale totale**: forza orizzontale totale. [daN]*
***Altezza del piano**: altezza del piano. [cm]*
***Theta**: coefficiente Theta formula [7.3.3] § 7.3.1. Il valore è adimensionale.*

Quota inferiore	Quota superiore	Comb.	Carico verticale	Spostamento	Forza orizzontale totale	Altezza del piano	Theta
		N.b.					
fondo corsa	Fondazione	SLV 1	13269	0.051	98317	67	0
fondo corsa	Fondazione	SLV 2	13269	0.051	98317	67	0
fondo corsa	Fondazione	SLV 3	16826	0.051	99347	67	0
fondo corsa	Fondazione	SLV 4	16826	0.051	99347	67	0
fondo corsa	Fondazione	SLV 5	13612	0.066	132472	67	0
fondo corsa	Fondazione	SLV 6	13612	0.066	132472	67	0
fondo corsa	Fondazione	SLV 7	25466	0.068	137920	67	0
fondo corsa	Fondazione	SLV 8	25466	0.068	137920	67	0
fondo corsa	Fondazione	SLV 9	17461	0.066	133473	67	0
fondo corsa	Fondazione	SLV 10	17461	0.066	133473	67	0
fondo corsa	Fondazione	SLV 11	29315	0.069	141315	67	0
fondo corsa	Fondazione	SLV 12	29315	0.069	141315	67	0
fondo corsa	Fondazione	SLV 13	26101	0.054	106532	67	0
fondo corsa	Fondazione	SLV 14	26101	0.054	106532	67	0
fondo corsa	Fondazione	SLV 15	29657	0.055	110607	67	0
fondo corsa	Fondazione	SLV 16	29657	0.055	110607	67	0
Fondazione	p.lo 1	SLV 1	1554107	0.604	79411	362	0.033
Fondazione	p.lo 1	SLV 2	1554107	0.604	79411	362	0.033
Fondazione	p.lo 1	SLV 3	1552923	0.523	77187	362	0.029
Fondazione	p.lo 1	SLV 4	1552923	0.523	77187	362	0.029
Fondazione	p.lo 1	SLV 5	1560689	0.665	88693	362	0.032
Fondazione	p.lo 1	SLV 6	1560689	0.665	88693	362	0.032
Fondazione	p.lo 1	SLV 7	1556745	0.582	86708	362	0.029
Fondazione	p.lo 1	SLV 8	1556745	0.582	86708	362	0.029
Fondazione	p.lo 1	SLV 9	1565148	0.596	86708	362	0.03
Fondazione	p.lo 1	SLV 10	1565148	0.596	86708	362	0.03
Fondazione	p.lo 1	SLV 11	1561204	0.653	88693	362	0.032
Fondazione	p.lo 1	SLV 12	1561204	0.653	88693	362	0.032
Fondazione	p.lo 1	SLV 13	1568970	0.528	77187	362	0.03
Fondazione	p.lo 1	SLV 14	1568970	0.528	77187	362	0.03
Fondazione	p.lo 1	SLV 15	1567787	0.601	79411	362	0.033
Fondazione	p.lo 1	SLV 16	1567787	0.601	79411	362	0.033
p.lo 1	Piano 1	SLV 1	1522915	0.547	86650	180	0.053
p.lo 1	Piano 1	SLV 2	1522915	0.547	86650	180	0.053
p.lo 1	Piano 1	SLV 3	1525892	0.472	86750	180	0.046
p.lo 1	Piano 1	SLV 4	1525892	0.472	86750	180	0.046
p.lo 1	Piano 1	SLV 5	1527478	0.464	89096	180	0.044
p.lo 1	Piano 1	SLV 6	1527478	0.464	89096	180	0.044
p.lo 1	Piano 1	SLV 7	1537402	0.375	89193	180	0.036
p.lo 1	Piano 1	SLV 8	1537402	0.375	89193	180	0.036
p.lo 1	Piano 1	SLV 9	1534366	0.373	89193	180	0.036
p.lo 1	Piano 1	SLV 10	1534366	0.373	89193	180	0.036
p.lo 1	Piano 1	SLV 11	1544290	0.467	89096	180	0.045
p.lo 1	Piano 1	SLV 12	1544290	0.467	89096	180	0.045
p.lo 1	Piano 1	SLV 13	1545876	0.473	86750	180	0.047
p.lo 1	Piano 1	SLV 14	1545876	0.473	86750	180	0.047
p.lo 1	Piano 1	SLV 15	1548853	0.549	86650	180	0.054
p.lo 1	Piano 1	SLV 16	1548853	0.549	86650	180	0.054
Fondazione	Piano 1	SLV 1	1522915	0.915	86650	542	0.03
Fondazione	Piano 1	SLV 2	1522915	0.915	86650	542	0.03

Quota inferiore	Quota superiore	Comb.	Carico verticale	Spostamento	Forza orizzontale totale	Altezza del piano	Theta
		N.b.					
Fondazione	Piano 1	SLV 3	1525892	0.846	86750	542	0.027
Fondazione	Piano 1	SLV 4	1525892	0.846	86750	542	0.027
Fondazione	Piano 1	SLV 5	1527478	1.039	89096	542	0.033
Fondazione	Piano 1	SLV 6	1527478	1.039	89096	542	0.033
Fondazione	Piano 1	SLV 7	1537402	0.976	89193	542	0.031
Fondazione	Piano 1	SLV 8	1537402	0.976	89193	542	0.031
Fondazione	Piano 1	SLV 9	1534366	0.981	89193	542	0.031
Fondazione	Piano 1	SLV 10	1534366	0.981	89193	542	0.031
Fondazione	Piano 1	SLV 11	1544290	1.034	89096	542	0.033
Fondazione	Piano 1	SLV 12	1544290	1.034	89096	542	0.033
Fondazione	Piano 1	SLV 13	1545876	0.847	86750	542	0.028
Fondazione	Piano 1	SLV 14	1545876	0.847	86750	542	0.028
Fondazione	Piano 1	SLV 15	1548853	0.912	86650	542	0.03
Fondazione	Piano 1	SLV 16	1548853	0.912	86650	542	0.03
Piano 1	p.lo 2	SLV 1	1254010	0.457	71345	155	0.052
Piano 1	p.lo 2	SLV 2	1254010	0.457	71345	155	0.052
Piano 1	p.lo 2	SLV 3	1255178	0.397	69222	155	0.046
Piano 1	p.lo 2	SLV 4	1255178	0.397	69222	155	0.046
Piano 1	p.lo 2	SLV 5	1246510	0.406	78780	155	0.041
Piano 1	p.lo 2	SLV 6	1246510	0.406	78780	155	0.041
Piano 1	p.lo 2	SLV 7	1250404	0.332	76862	155	0.035
Piano 1	p.lo 2	SLV 8	1250404	0.332	76862	155	0.035
Piano 1	p.lo 2	SLV 9	1241250	0.338	76862	155	0.035
Piano 1	p.lo 2	SLV 10	1241250	0.338	76862	155	0.035
Piano 1	p.lo 2	SLV 11	1245144	0.398	78780	155	0.041
Piano 1	p.lo 2	SLV 12	1245144	0.398	78780	155	0.041
Piano 1	p.lo 2	SLV 13	1236476	0.395	69222	155	0.046
Piano 1	p.lo 2	SLV 14	1236476	0.395	69222	155	0.046
Piano 1	p.lo 2	SLV 15	1237644	0.451	71345	155	0.051
Piano 1	p.lo 2	SLV 16	1237644	0.451	71345	155	0.051
p.lo 2	Piano 2	SLV 1	1227157	0.434	78656	155	0.044
p.lo 2	Piano 2	SLV 2	1227157	0.434	78656	155	0.044
p.lo 2	Piano 2	SLV 3	1227082	0.373	76382	155	0.039
p.lo 2	Piano 2	SLV 4	1227082	0.373	76382	155	0.039
p.lo 2	Piano 2	SLV 5	1224116	0.408	79290	155	0.041
p.lo 2	Piano 2	SLV 6	1224116	0.408	79290	155	0.041
p.lo 2	Piano 2	SLV 7	1223868	0.335	77035	155	0.034
p.lo 2	Piano 2	SLV 8	1223868	0.335	77035	155	0.034
p.lo 2	Piano 2	SLV 9	1221436	0.342	77035	155	0.035
p.lo 2	Piano 2	SLV 10	1221436	0.342	77035	155	0.035
p.lo 2	Piano 2	SLV 11	1221187	0.398	79290	155	0.04
p.lo 2	Piano 2	SLV 12	1221187	0.398	79290	155	0.04
p.lo 2	Piano 2	SLV 13	1218221	0.367	76382	155	0.038
p.lo 2	Piano 2	SLV 14	1218221	0.367	76382	155	0.038
p.lo 2	Piano 2	SLV 15	1218146	0.425	78656	155	0.042
p.lo 2	Piano 2	SLV 16	1218146	0.425	78656	155	0.042
Piano 1	Piano 2	SLV 1	1227157	0.68	78656	310	0.034
Piano 1	Piano 2	SLV 2	1227157	0.68	78656	310	0.034
Piano 1	Piano 2	SLV 3	1227082	0.625	76382	310	0.032
Piano 1	Piano 2	SLV 4	1227082	0.625	76382	310	0.032
Piano 1	Piano 2	SLV 5	1224116	0.752	79290	310	0.037
Piano 1	Piano 2	SLV 6	1224116	0.752	79290	310	0.037
Piano 1	Piano 2	SLV 7	1223868	0.689	77035	310	0.035
Piano 1	Piano 2	SLV 8	1223868	0.689	77035	310	0.035
Piano 1	Piano 2	SLV 9	1221436	0.704	77035	310	0.036
Piano 1	Piano 2	SLV 10	1221436	0.704	77035	310	0.036
Piano 1	Piano 2	SLV 11	1221187	0.729	79290	310	0.036
Piano 1	Piano 2	SLV 12	1221187	0.729	79290	310	0.036
Piano 1	Piano 2	SLV 13	1218221	0.615	76382	310	0.032
Piano 1	Piano 2	SLV 14	1218221	0.615	76382	310	0.032
Piano 1	Piano 2	SLV 15	1218146	0.658	78656	310	0.033
Piano 1	Piano 2	SLV 16	1218146	0.658	78656	310	0.033
Piano 2	p.lo 3	SLV 1	938181	0.413	59563	155	0.042
Piano 2	p.lo 3	SLV 2	938181	0.413	59563	155	0.042
Piano 2	p.lo 3	SLV 3	944555	0.354	57279	155	0.038
Piano 2	p.lo 3	SLV 4	944555	0.354	57279	155	0.038
Piano 2	p.lo 3	SLV 5	927356	0.405	66585	155	0.036
Piano 2	p.lo 3	SLV 6	927356	0.405	66585	155	0.036
Piano 2	p.lo 3	SLV 7	948604	0.335	64550	155	0.032
Piano 2	p.lo 3	SLV 8	948604	0.335	64550	155	0.032
Piano 2	p.lo 3	SLV 9	924451	0.347	64550	155	0.032
Piano 2	p.lo 3	SLV 10	924451	0.347	64550	155	0.032
Piano 2	p.lo 3	SLV 11	945700	0.391	66585	155	0.036
Piano 2	p.lo 3	SLV 12	945700	0.391	66585	155	0.036
Piano 2	p.lo 3	SLV 13	928500	0.352	57279	155	0.037
Piano 2	p.lo 3	SLV 14	928500	0.352	57279	155	0.037
Piano 2	p.lo 3	SLV 15	934875	0.403	59563	155	0.041
Piano 2	p.lo 3	SLV 16	934875	0.403	59563	155	0.041
p.lo 3	Piano 3	SLV 1	919344	0.384	67207	155	0.034
p.lo 3	Piano 3	SLV 2	919344	0.384	67207	155	0.034
p.lo 3	Piano 3	SLV 3	919255	0.323	66573	155	0.029
p.lo 3	Piano 3	SLV 4	919255	0.323	66573	155	0.029
p.lo 3	Piano 3	SLV 5	915689	0.396	66917	155	0.035
p.lo 3	Piano 3	SLV 6	915689	0.396	66917	155	0.035
p.lo 3	Piano 3	SLV 7	915390	0.326	66280	155	0.029
p.lo 3	Piano 3	SLV 8	915390	0.326	66280	155	0.029
p.lo 3	Piano 3	SLV 9	912467	0.342	66280	155	0.03
p.lo 3	Piano 3	SLV 10	912467	0.342	66280	155	0.03
p.lo 3	Piano 3	SLV 11	912168	0.385	66917	155	0.034
p.lo 3	Piano 3	SLV 12	912168	0.385	66917	155	0.034
p.lo 3	Piano 3	SLV 13	908602	0.333	66573	155	0.029
p.lo 3	Piano 3	SLV 14	908602	0.333	66573	155	0.029
p.lo 3	Piano 3	SLV 15	908513	0.386	67207	155	0.034
p.lo 3	Piano 3	SLV 16	908513	0.386	67207	155	0.034
Piano 2	Piano 3	SLV 1	919344	0.655	67207	310	0.029
Piano 2	Piano 3	SLV 2	919344	0.655	67207	310	0.029
Piano 2	Piano 3	SLV 3	919255	0.603	66573	310	0.027
Piano 2	Piano 3	SLV 4	919255	0.603	66573	310	0.027

Quota inferiore	Quota superiore	Comb.	Carico verticale	Spostamento	Forza orizzontale totale	Altezza del piano	Theta
		N.b.					
Piano 2	Piano 3	SLV 5	915689	0.747	66917	310	0.033
Piano 2	Piano 3	SLV 6	915689	0.747	66917	310	0.033
Piano 2	Piano 3	SLV 7	915390	0.68	66280	310	0.03
Piano 2	Piano 3	SLV 8	915390	0.68	66280	310	0.03
Piano 2	Piano 3	SLV 9	912467	0.706	66280	310	0.031
Piano 2	Piano 3	SLV 10	912467	0.706	66280	310	0.031
Piano 2	Piano 3	SLV 11	912168	0.713	66917	310	0.031
Piano 2	Piano 3	SLV 12	912168	0.713	66917	310	0.031
Piano 2	Piano 3	SLV 13	908602	0.594	66573	310	0.026
Piano 2	Piano 3	SLV 14	908602	0.594	66573	310	0.026
Piano 2	Piano 3	SLV 15	908513	0.627	67207	310	0.027
Piano 2	Piano 3	SLV 16	908513	0.627	67207	310	0.027
Piano 3	p.lo 4	SLV 1	633451	0.342	46574	155	0.03
Piano 3	p.lo 4	SLV 2	633451	0.342	46574	155	0.03
Piano 3	p.lo 4	SLV 3	628335	0.289	45208	155	0.026
Piano 3	p.lo 4	SLV 4	628335	0.289	45208	155	0.026
Piano 3	p.lo 4	SLV 5	633557	0.377	53919	155	0.029
Piano 3	p.lo 4	SLV 6	633557	0.377	53919	155	0.029
Piano 3	p.lo 4	SLV 7	616504	0.317	52743	155	0.024
Piano 3	p.lo 4	SLV 8	616504	0.317	52743	155	0.024
Piano 3	p.lo 4	SLV 9	628532	0.337	52743	155	0.026
Piano 3	p.lo 4	SLV 10	628532	0.337	52743	155	0.026
Piano 3	p.lo 4	SLV 11	611480	0.363	53919	155	0.027
Piano 3	p.lo 4	SLV 12	611480	0.363	53919	155	0.027
Piano 3	p.lo 4	SLV 13	616701	0.304	45208	155	0.027
Piano 3	p.lo 4	SLV 14	616701	0.304	45208	155	0.027
Piano 3	p.lo 4	SLV 15	611585	0.345	46574	155	0.029
Piano 3	p.lo 4	SLV 16	611585	0.345	46574	155	0.029
p.lo 4	Piano 4	SLV 1	604329	0.305	52597	155	0.023
p.lo 4	Piano 4	SLV 2	604329	0.305	52597	155	0.023
p.lo 4	Piano 4	SLV 3	603267	0.255	49982	155	0.02
p.lo 4	Piano 4	SLV 4	603267	0.255	49982	155	0.02
p.lo 4	Piano 4	SLV 5	603276	0.357	52467	155	0.026
p.lo 4	Piano 4	SLV 6	603276	0.357	52467	155	0.026
p.lo 4	Piano 4	SLV 7	599737	0.306	49846	155	0.024
p.lo 4	Piano 4	SLV 8	599737	0.306	49846	155	0.024
p.lo 4	Piano 4	SLV 9	601312	0.321	49846	155	0.025
p.lo 4	Piano 4	SLV 10	601312	0.321	49846	155	0.025
p.lo 4	Piano 4	SLV 11	597773	0.347	52467	155	0.026
p.lo 4	Piano 4	SLV 12	597773	0.347	52467	155	0.026
p.lo 4	Piano 4	SLV 13	597781	0.269	49982	155	0.021
p.lo 4	Piano 4	SLV 14	597781	0.269	49982	155	0.021
p.lo 4	Piano 4	SLV 15	596720	0.309	52597	155	0.023
p.lo 4	Piano 4	SLV 16	596720	0.309	52597	155	0.023
Piano 3	Piano 4	SLV 1	604329	0.588	52597	310	0.022
Piano 3	Piano 4	SLV 2	604329	0.588	52597	310	0.022
Piano 3	Piano 4	SLV 3	603267	0.544	49982	310	0.021
Piano 3	Piano 4	SLV 4	603267	0.544	49982	310	0.021
Piano 3	Piano 4	SLV 5	603276	0.701	52467	310	0.026
Piano 3	Piano 4	SLV 6	603276	0.701	52467	310	0.026
Piano 3	Piano 4	SLV 7	599737	0.638	49846	310	0.025
Piano 3	Piano 4	SLV 8	599737	0.638	49846	310	0.025
Piano 3	Piano 4	SLV 9	601312	0.673	49846	310	0.026
Piano 3	Piano 4	SLV 10	601312	0.673	49846	310	0.026
Piano 3	Piano 4	SLV 11	597773	0.661	52467	310	0.024
Piano 3	Piano 4	SLV 12	597773	0.661	52467	310	0.024
Piano 3	Piano 4	SLV 13	597781	0.543	49982	310	0.021
Piano 3	Piano 4	SLV 14	597781	0.543	49982	310	0.021
Piano 3	Piano 4	SLV 15	596720	0.56	52597	310	0.021
Piano 3	Piano 4	SLV 16	596720	0.56	52597	310	0.021
Piano 4	p.lo 5	SLV 1	320409	0.26	16872	155	0.032
Piano 4	p.lo 5	SLV 2	320409	0.26	16872	155	0.032
Piano 4	p.lo 5	SLV 3	319437	0.218	16530	155	0.027
Piano 4	p.lo 5	SLV 4	319437	0.218	16530	155	0.027
Piano 4	p.lo 5	SLV 5	315262	0.331	21800	155	0.031
Piano 4	p.lo 5	SLV 6	315262	0.331	21800	155	0.031
Piano 4	p.lo 5	SLV 7	312022	0.289	21537	155	0.027
Piano 4	p.lo 5	SLV 8	312022	0.289	21537	155	0.027
Piano 4	p.lo 5	SLV 9	309878	0.306	21537	155	0.028
Piano 4	p.lo 5	SLV 10	309878	0.306	21537	155	0.028
Piano 4	p.lo 5	SLV 11	306639	0.321	21800	155	0.029
Piano 4	p.lo 5	SLV 12	306639	0.321	21800	155	0.029
Piano 4	p.lo 5	SLV 13	302463	0.236	16530	155	0.028
Piano 4	p.lo 5	SLV 14	302463	0.236	16530	155	0.028
Piano 4	p.lo 5	SLV 15	301492	0.265	16872	155	0.031
Piano 4	p.lo 5	SLV 16	301492	0.265	16872	155	0.031
p.lo 5	Piano 5	SLV 1	282506	0.22	23317	155	0.017
p.lo 5	Piano 5	SLV 2	282506	0.22	23317	155	0.017
p.lo 5	Piano 5	SLV 3	282730	0.177	25657	155	0.013
p.lo 5	Piano 5	SLV 4	282730	0.177	25657	155	0.013
p.lo 5	Piano 5	SLV 5	286880	0.314	23450	155	0.025
p.lo 5	Piano 5	SLV 6	286880	0.314	23450	155	0.025
p.lo 5	Piano 5	SLV 7	287628	0.272	25778	155	0.02
p.lo 5	Piano 5	SLV 8	287628	0.272	25778	155	0.02
p.lo 5	Piano 5	SLV 9	290853	0.295	25778	155	0.021
p.lo 5	Piano 5	SLV 10	290853	0.295	25778	155	0.021
p.lo 5	Piano 5	SLV 11	291601	0.3	23450	155	0.024
p.lo 5	Piano 5	SLV 12	291601	0.3	23450	155	0.024
p.lo 5	Piano 5	SLV 13	295751	0.203	25657	155	0.015
p.lo 5	Piano 5	SLV 14	295751	0.203	25657	155	0.015
p.lo 5	Piano 5	SLV 15	295975	0.228	23317	155	0.019
p.lo 5	Piano 5	SLV 16	295975	0.228	23317	155	0.019
Piano 4	Piano 5	SLV 1	282506	0.454	23317	310	0.018
Piano 4	Piano 5	SLV 2	282506	0.454	23317	310	0.018
Piano 4	Piano 5	SLV 3	282730	0.503	25657	310	0.018
Piano 4	Piano 5	SLV 4	282730	0.503	25657	310	0.018
Piano 4	Piano 5	SLV 5	286880	0.604	23450	310	0.024
Piano 4	Piano 5	SLV 6	286880	0.604	23450	310	0.024

Quota inferiore	Quota superiore	Comb.	Carico verticale	Spostamento	Forza orizzontale totale	Altezza del piano	Theta
		N.b.					
Piano 4	Piano 5	SLV 7	287628	0.62	25778	310	0.022
Piano 4	Piano 5	SLV 8	287628	0.62	25778	310	0.022
Piano 4	Piano 5	SLV 9	290853	0.648	25778	310	0.024
Piano 4	Piano 5	SLV 10	290853	0.648	25778	310	0.024
Piano 4	Piano 5	SLV 11	291601	0.568	23450	310	0.023
Piano 4	Piano 5	SLV 12	291601	0.568	23450	310	0.023
Piano 4	Piano 5	SLV 13	295751	0.504	25657	310	0.019
Piano 4	Piano 5	SLV 14	295751	0.504	25657	310	0.019
Piano 4	Piano 5	SLV 15	295975	0.429	23317	310	0.018
Piano 4	Piano 5	SLV 16	295975	0.429	23317	310	0.018
Piano 5	Piano 6	SLV 1	69849	0.363	8077	310	0.01
Piano 5	Piano 6	SLV 2	69849	0.363	8077	310	0.01
Piano 5	Piano 6	SLV 3	70093	0.324	7215	310	0.01
Piano 5	Piano 6	SLV 4	70093	0.324	7215	310	0.01
Piano 5	Piano 6	SLV 5	71489	0.476	10389	310	0.011
Piano 5	Piano 6	SLV 6	71489	0.476	10389	310	0.011
Piano 5	Piano 6	SLV 7	72302	0.424	9735	310	0.01
Piano 5	Piano 6	SLV 8	72302	0.424	9735	310	0.01
Piano 5	Piano 6	SLV 9	73138	0.449	9735	310	0.011
Piano 5	Piano 6	SLV 10	73138	0.449	9735	310	0.011
Piano 5	Piano 6	SLV 11	73951	0.437	10389	310	0.01
Piano 5	Piano 6	SLV 12	73951	0.437	10389	310	0.01
Piano 5	Piano 6	SLV 13	75347	0.298	7215	310	0.01
Piano 5	Piano 6	SLV 14	75347	0.298	7215	310	0.01
Piano 5	Piano 6	SLV 15	75591	0.314	8077	310	0.009
Piano 5	Piano 6	SLV 16	75591	0.314	8077	310	0.009

7.5 Rigidezze di interpiano

***Quota inferiore**: quota inferiore dell'interpiano per il quale è stata valutata la rigidezza relativa. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Quota superiore**: quota superiore dell'interpiano per il quale è stata valutata la rigidezza relativa. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***KUx**: rigidezza relativa alla traslazione in direzione globale X. [daN/cm]*
***KUy**: rigidezza relativa alla traslazione in direzione globale Y. [daN/cm]*

Quota inferiore	Quota superiore	KUx	KUy
fondo corsa	Fondazione	2224304	1611752
Fondazione	p.lo 1	149288	153828
p.lo 1	Piano 1	225902	250361
Piano 1	p.lo 2	129003	267379
p.lo 2	Piano 2	802383	231759
Piano 2	p.lo 3	96857	255518
p.lo 3	Piano 3	3112119	236844
Piano 3	p.lo 4	79807	223690
p.lo 4	Piano 4	412227	232093
Piano 4	p.lo 5	69112	233616
p.lo 5	Piano 5	194593	205026
Piano 5	Piano 6	59124	26887

7.6 Tagli ai livelli

***Livello**: livello rispetto a cui è calcolato il taglio.*
***Nome**: nome completo del livello.*
***Cont.**: Contesto nel quale viene valutato il taglio.*
***N.br.**: nome breve della condizione o combinazione di carico.*
***Totale**: totale del taglio al livello.*
***F**: forza del taglio. [daN]*
***X**: componente lungo l'asse X globale. [daN]*
***Y**: componente lungo l'asse Y globale. [daN]*
***Z**: componente lungo l'asse Z globale. [daN]*
***Aste verticali**: contributo al taglio totale dato dalle aste verticali.*
***F**: forza del taglio. [daN]*
***X**: componente lungo l'asse X globale. [daN]*
***Y**: componente lungo l'asse Y globale. [daN]*
***Z**: componente lungo l'asse Z globale. [daN]*
***Pareti**: contributo al taglio totale dato dalle pareti e piastre generiche verticali.*
***F**: forza del taglio. [daN]*
***X**: componente lungo l'asse X globale. [daN]*
***Y**: componente lungo l'asse Y globale. [daN]*
***Z**: componente lungo l'asse Z globale. [daN]*

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
fondo corsa	Pesi	-2872	-5796	-14554	0	0	0	-2872	-5796	-14554
fondo corsa	Port.	-1691	779	-8122	0	0	0	-1691	779	-8122
fondo corsa	Accidentali	-1183	3982	-4395	0	0	0	-1183	3982	-4395
fondo corsa	neve	-504	434	-241	0	0	0	-504	434	-241
fondo corsa	ΔT	-3738	47721	-537	0	0	0	-3738	47721	-537
fondo corsa	SLV X	-94333	-8117	1866	0	0	0	-94333	-8117	1866
fondo corsa	SLV Y	9780	-133067	-1751	0	0	0	9780	-133067	-1751
fondo corsa	X SLD	-36826	-3148	717	0	0	0	-36826	-3148	717
fondo corsa	Y SLD	3827	-52103	-673	0	0	0	3827	-52103	-673
fondo corsa	Rig Ux	-2	0	0	0	0	0	-2	0	0

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
fondo corsa	Rig Uy	0	-2	0	0	0	0	0	-2	0
fondo corsa	Rig Rz	0	0	0	0	0	0	0	0	0
fondo corsa	SLU 1	-4225	-5173	-21052	0	0	0	-4225	-5173	-21052
fondo corsa	SLU 2	-9833	66409	-21857	0	0	0	-9833	66409	-21857
fondo corsa	SLU 3	-10211	66735	-22037	0	0	0	-10211	66735	-22037
fondo corsa	SLU 4	-4981	-4522	-21413	0	0	0	-4981	-4522	-21413
fondo corsa	SLU 5	-8346	38427	-21896	0	0	0	-8346	38427	-21896
fondo corsa	SLU 6	-11075	70590	-26471	0	0	0	-11075	70590	-26471
fondo corsa	SLU 7	-11453	70915	-26651	0	0	0	-11453	70915	-26651
fondo corsa	SLU 8	-6223	-341	-26027	0	0	0	-6223	-341	-26027
fondo corsa	SLU 9	-9588	42608	-26510	0	0	0	-9588	42608	-26510
fondo corsa	SLU 10	-5999	800	-27644	0	0	0	-5999	800	-27644
fondo corsa	SLU 11	-9364	43749	-28127	0	0	0	-9364	43749	-28127
fondo corsa	SLU 12	-6377	1125	-27824	0	0	0	-6377	1125	-27824
fondo corsa	SLU 13	-9742	44074	-28307	0	0	0	-9742	44074	-28307
fondo corsa	SLU 14	-5409	-4628	-26737	0	0	0	-5409	-4628	-26737
fondo corsa	SLU 15	-11016	66955	-27542	0	0	0	-11016	66955	-27542
fondo corsa	SLU 16	-11394	67280	-27723	0	0	0	-11394	67280	-27723
fondo corsa	SLU 17	-6165	-3977	-27098	0	0	0	-6165	-3977	-27098
fondo corsa	SLU 18	-9530	38973	-27581	0	0	0	-9530	38973	-27581
fondo corsa	SLU 19	-12258	71135	-32156	0	0	0	-12258	71135	-32156
fondo corsa	SLU 20	-12636	71461	-32337	0	0	0	-12636	71461	-32337
fondo corsa	SLU 21	-7407	204	-31712	0	0	0	-7407	204	-31712
fondo corsa	SLU 22	-10771	43153	-32195	0	0	0	-10771	43153	-32195
fondo corsa	SLU 23	-7183	1345	-33329	0	0	0	-7183	1345	-33329
fondo corsa	SLU 24	-10547	44294	-33812	0	0	0	-10547	44294	-33812
fondo corsa	SLU 25	-7561	1670	-33510	0	0	0	-7561	1670	-33510
fondo corsa	SLU 26	-10925	44620	-33992	0	0	0	-10925	44620	-33992
fondo corsa	SLU 27	-5087	-6911	-25418	0	0	0	-5087	-6911	-25418
fondo corsa	SLU 28	-10695	64671	-26223	0	0	0	-10695	64671	-26223
fondo corsa	SLU 29	-11073	64996	-26404	0	0	0	-11073	64996	-26404
fondo corsa	SLU 30	-5843	-6261	-25779	0	0	0	-5843	-6261	-25779
fondo corsa	SLU 31	-9208	36689	-26262	0	0	0	-9208	36689	-26262
fondo corsa	SLU 32	-11936	68851	-30837	0	0	0	-11936	68851	-30837
fondo corsa	SLU 33	-12315	69177	-31018	0	0	0	-12315	69177	-31018
fondo corsa	SLU 34	-7085	-2080	-30393	0	0	0	-7085	-2080	-30393
fondo corsa	SLU 35	-10450	40869	-30876	0	0	0	-10450	40869	-30876
fondo corsa	SLU 36	-6861	-939	-32010	0	0	0	-6861	-939	-32010
fondo corsa	SLU 37	-10226	42010	-32493	0	0	0	-10226	42010	-32493
fondo corsa	SLU 38	-7239	-614	-32190	0	0	0	-7239	-614	-32190
fondo corsa	SLU 39	-10604	42336	-32673	0	0	0	-10604	42336	-32673
fondo corsa	SLU 40	-6270	-6366	-31104	0	0	0	-6270	-6366	-31104
fondo corsa	SLU 41	-11878	65216	-31908	0	0	0	-11878	65216	-31908
fondo corsa	SLU 42	-12256	65541	-32089	0	0	0	-12256	65541	-32089
fondo corsa	SLU 43	-7027	-5716	-31465	0	0	0	-7027	-5716	-31465
fondo corsa	SLU 44	-10391	37234	-31947	0	0	0	-10391	37234	-31947
fondo corsa	SLU 45	-13120	69397	-36523	0	0	0	-13120	69397	-36523
fondo corsa	SLU 46	-13498	69722	-36703	0	0	0	-13498	69722	-36703
fondo corsa	SLU 47	-8269	-1535	-36079	0	0	0	-8269	-1535	-36079
fondo corsa	SLU 48	-11633	41414	-36562	0	0	0	-11633	41414	-36562
fondo corsa	SLU 49	-8044	-394	-37695	0	0	0	-8044	-394	-37695
fondo corsa	SLU 50	-11409	42555	-38178	0	0	0	-11409	42555	-38178
fondo corsa	SLU 51	-8423	-69	-37876	0	0	0	-8423	-69	-37876
fondo corsa	SLU 52	-11787	42881	-38359	0	0	0	-11787	42881	-38359
fondo corsa	SLE RA 1	-4563	-5017	-22676	0	0	0	-4563	-5017	-22676
fondo corsa	SLE RA 2	-8302	42705	-23213	0	0	0	-8302	42705	-23213
fondo corsa	SLE RA 3	-8554	42921	-23333	0	0	0	-8554	42921	-23333
fondo corsa	SLE RA 4	-5067	-4583	-22917	0	0	0	-5067	-4583	-22917
fondo corsa	SLE RA 5	-7310	24050	-23239	0	0	0	-7310	24050	-23239
fondo corsa	SLE RA 6	-9130	45492	-26289	0	0	0	-9130	45492	-26289
fondo corsa	SLE RA 7	-9382	45709	-26409	0	0	0	-9382	45709	-26409
fondo corsa	SLE RA 8	-5895	-1796	-25993	0	0	0	-5895	-1796	-25993
fondo corsa	SLE RA 9	-8138	26837	-26315	0	0	0	-8138	26837	-26315
fondo corsa	SLE RA 10	-5746	-1035	-27071	0	0	0	-5746	-1035	-27071
fondo corsa	SLE RA 11	-7989	27597	-27393	0	0	0	-7989	27597	-27393
fondo corsa	SLE RA 12	-5998	-818	-27191	0	0	0	-5998	-818	-27191
fondo corsa	SLE RA 13	-8241	27814	-27513	0	0	0	-8241	27814	-27513
fondo corsa	SLE FR 1	-4563	-5017	-22676	0	0	0	-4563	-5017	-22676
fondo corsa	SLE FR 2	-6432	18844	-22945	0	0	0	-6432	18844	-22945
fondo corsa	SLE FR 3	-4664	-4930	-22724	0	0	0	-4664	-4930	-22724
fondo corsa	SLE FR 4	-6787	20038	-24263	0	0	0	-6787	20038	-24263
fondo corsa	SLE FR 5	-5019	-3736	-24043	0	0	0	-5019	-3736	-24043
fondo corsa	SLE FR 6	-5155	-3026	-24874	0	0	0	-5155	-3026	-24874
fondo corsa	SLE QP 1	-4563	-5017	-22676	0	0	0	-4563	-5017	-22676
fondo corsa	SLE QP 2	-4918	-3822	-23995	0	0	0	-4918	-3822	-23995
fondo corsa	SLD 1	30760	14956	-24510	0	0	0	30760	14956	-24510
fondo corsa	SLD 2	30760	14956	-24510	0	0	0	30760	14956	-24510
fondo corsa	SLD 3	33056	-16305	-24914	0	0	0	33056	-16305	-24914
fondo corsa	SLD 4	33056	-16305	-24914	0	0	0	33056	-16305	-24914
fondo corsa	SLD 5	2303	49225	-23537	0	0	0	2303	49225	-23537
fondo corsa	SLD 6	2303	49225	-23537	0	0	0	2303	49225	-23537
fondo corsa	SLD 7	9956	-54981	-24883	0	0	0	9956	-54981	-24883
fondo corsa	SLD 8	9956	-54981	-24883	0	0	0	9956	-54981	-24883
fondo corsa	SLD 9	-19792	47336	-23106	0	0	0	-19792	47336	-23106
fondo corsa	SLD 10	-19792	47336	-23106	0	0	0	-19792	47336	-23106
fondo corsa	SLD 11	-12139	-56870	-24453	0	0	0	-12139	-56870	-24453
fondo corsa	SLD 12	-12139	-56870	-24453	0	0	0	-12139	-56870	-24453
fondo corsa	SLD 13	-42892	8660	-23075	0	0	0	-42892	8660	-23075
fondo corsa	SLD 14	-42892	8660	-23075	0	0	0	-42892	8660	-23075
fondo corsa	SLD 15	-40596	-22601	-23479	0	0	0	-40596	-22601	-23479
fondo corsa	SLD 16	-40596	-22601	-23479	0	0	0	-40596	-22601	-23479
fondo corsa	SLV 1	86481	44215	-25335	0	0	0	86481	44215	-25335
fondo corsa	SLV 2	86481	44215	-25335	0	0	0	86481	44215	-25335
fondo corsa	SLV 3	92349	-35625	-26386	0	0	0	92349	-35625	-26386
fondo corsa	SLV 4	92349	-35625	-26386	0	0	0	92349	-35625	-26386
fondo corsa	SLV 5	13602	131680	-22804	0	0	0	13602	131680	-22804
fondo corsa	SLV 6	13602	131680	-22804	0	0	0	13602	131680	-22804
fondo corsa	SLV 7	33162	-134454	-26305	0	0	0	33162	-134454	-26305

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
fondo corsa	SLV 8	33162	-134454	-26305	0	0	0	33162	-134454	-26305
fondo corsa	SLV 9	-42998	126810	-21684	0	0	0	-42998	126810	-21684
fondo corsa	SLV 10	-42998	126810	-21684	0	0	0	-42998	126810	-21684
fondo corsa	SLV 11	-23438	-139325	-25185	0	0	0	-23438	-139325	-25185
fondo corsa	SLV 12	-23438	-139325	-25185	0	0	0	-23438	-139325	-25185
fondo corsa	SLV 13	-102185	27980	-21604	0	0	0	-102185	27980	-21604
fondo corsa	SLV 14	-102185	27980	-21604	0	0	0	-102185	27980	-21604
fondo corsa	SLV 15	-96317	-51860	-22654	0	0	0	-96317	-51860	-22654
fondo corsa	SLV 16	-96317	-51860	-22654	0	0	0	-96317	-51860	-22654
fondo corsa	CRTFP Ux+	-2	0	0	0	0	0	-2	0	0
fondo corsa	CRTFP Ux-	2	0	0	0	0	0	2	0	0
fondo corsa	CRTFP Uy+	0	-2	0	0	0	0	0	-2	0
fondo corsa	CRTFP Uy-	0	2	0	0	0	0	0	2	0
fondo corsa	CRTFP Rz+	0	0	0	0	0	0	0	0	0
fondo corsa	CRTFP Rz-	0	0	0	0	0	0	0	0	0
Fondazione	Pesi	0	0	-826802	-19	-1857	-717283	5	464	-105249
Fondazione	Port.	0	0	-676371	155	-1160	-618262	-31	-94	-54636
Fondazione	Accidentali	0	0	-337571	102	-1737	-304769	-82	680	-29613
Fondazione	neve	0	0	-15163	-7	-114	-13491	2	130	-1682
Fondazione	ΔT	0	0	0	184	-376	-1037	-286	344	1063
Fondazione	SLV X	78341	4352	-6698	30788	1244	-19922	41916	2289	15381
Fondazione	SLV Y	-3092	83722	1385	1991	31615	37919	-6522	47387	-31849
Fondazione	X SLD	31131	1694	-2697	12082	493	-7780	16845	876	5943
Fondazione	Y SLD	-1160	33214	576	863	12472	14694	-2597	18880	-12268
Fondazione	Rig Ux	1	0	0	1	0	0	0	0	0
Fondazione	Rig Uy	0	1	0	0	0	1	0	0	-1
Fondazione	Rig Rz	0	0	0	0	0	0	0	0	0
Fondazione	SLU 1	0	0	-1367899	106	-2785	-1211892	-19	389	-148957
Fondazione	SLU 2	0	0	-1367899	382	-3348	-1213448	-449	905	-147363
Fondazione	SLU 3	0	0	-1379271	377	-3434	-1223566	-448	1002	-148625
Fondazione	SLU 4	0	0	-1390643	95	-2956	-1232128	-17	584	-151481
Fondazione	SLU 5	0	0	-1390643	261	-3294	-1233062	-274	894	-150524
Fondazione	SLU 6	0	0	-1722348	490	-5172	-1533456	-535	1618	-178457
Fondazione	SLU 7	0	0	-1733720	484	-5258	-1543574	-534	1716	-179719
Fondazione	SLU 8	0	0	-1745092	202	-4780	-1552136	-103	1298	-182575
Fondazione	SLU 9	0	0	-1745092	368	-5118	-1553070	-360	1607	-181618
Fondazione	SLU 10	0	0	-1874255	259	-5391	-1669047	-142	1409	-193378
Fondazione	SLU 11	0	0	-1874255	425	-5729	-1669980	-400	1718	-192421
Fondazione	SLU 12	0	0	-1885627	253	-5476	-1679164	-141	1506	-194639
Fondazione	SLU 13	0	0	-1885627	419	-5814	-1680098	-399	1816	-193683
Fondazione	SLU 14	0	0	-1841359	215	-3597	-1644676	-41	323	-187203
Fondazione	SLU 15	0	0	-1841359	491	-4160	-1646232	-470	839	-185608
Fondazione	SLU 16	0	0	-1852731	486	-4245	-1656350	-469	937	-186870
Fondazione	SLU 17	0	0	-1864103	204	-3767	-1664912	-38	518	-189726
Fondazione	SLU 18	0	0	-1864103	370	-4105	-1665845	-296	828	-188769
Fondazione	SLU 19	0	0	-2195808	598	-5984	-1966240	-556	1553	-216702
Fondazione	SLU 20	0	0	-2207180	593	-6070	-1976358	-555	1650	-217964
Fondazione	SLU 21	0	0	-2218552	311	-5592	-1984920	-124	1232	-220820
Fondazione	SLU 22	0	0	-2218552	477	-5930	-1985853	-382	1542	-219864
Fondazione	SLU 23	0	0	-2347715	368	-6203	-2101830	-164	1343	-231623
Fondazione	SLU 24	0	0	-2347715	534	-6541	-2102764	-421	1652	-230666
Fondazione	SLU 25	0	0	-2359087	362	-6288	-2111948	-162	1440	-232885
Fondazione	SLU 26	0	0	-2359087	528	-6626	-2112881	-420	1750	-231928
Fondazione	SLU 27	0	0	-1615939	100	-3342	-1427077	-18	528	-180532
Fondazione	SLU 28	0	0	-1615939	377	-3905	-1428633	-447	1044	-178938
Fondazione	SLU 29	0	0	-1627311	371	-3991	-1438751	-446	1141	-180199
Fondazione	SLU 30	0	0	-1638684	89	-3513	-1447313	-15	723	-183055
Fondazione	SLU 31	0	0	-1638684	255	-3851	-1448246	-273	1033	-182099
Fondazione	SLU 32	0	0	-1970389	484	-5730	-1748641	-533	1758	-210032
Fondazione	SLU 33	0	0	-1981761	478	-5815	-1758759	-532	1855	-211293
Fondazione	SLU 34	0	0	-1993133	196	-5337	-1767321	-101	1437	-214150
Fondazione	SLU 35	0	0	-1993133	362	-5675	-1768254	-359	1746	-213193
Fondazione	SLU 36	0	0	-2122296	253	-5948	-1884231	-141	1548	-224952
Fondazione	SLU 37	0	0	-2122296	419	-6286	-1885165	-398	1857	-223996
Fondazione	SLU 38	0	0	-2133668	248	-6033	-1894349	-139	1645	-226214
Fondazione	SLU 39	0	0	-2133668	414	-6371	-1895283	-397	1955	-225257
Fondazione	SLU 40	0	0	-2089399	209	-4154	-1859861	-39	463	-218777
Fondazione	SLU 41	0	0	-2089399	486	-4717	-1861416	-469	978	-217183
Fondazione	SLU 42	0	0	-2100771	480	-4803	-1871534	-468	1076	-218444
Fondazione	SLU 43	0	0	-2112144	198	-4325	-1880096	-37	658	-221301
Fondazione	SLU 44	0	0	-2112144	364	-4663	-1881030	-294	967	-220344
Fondazione	SLU 45	0	0	-2443849	593	-6541	-2181424	-555	1692	-248277
Fondazione	SLU 46	0	0	-2455221	587	-6627	-2191542	-553	1790	-249539
Fondazione	SLU 47	0	0	-2466593	305	-6149	-2200104	-123	1371	-252395
Fondazione	SLU 48	0	0	-2466593	471	-6487	-2201038	-380	1681	-251438
Fondazione	SLU 49	0	0	-2595756	362	-6760	-2317015	-162	1482	-263197
Fondazione	SLU 50	0	0	-2595756	528	-7098	-2317948	-420	1792	-262241
Fondazione	SLU 51	0	0	-2607128	357	-6845	-2327133	-161	1580	-264459
Fondazione	SLU 52	0	0	-2607128	523	-7183	-2328066	-418	1889	-263502
Fondazione	SLE RA 1	0	0	-1503173	137	-3017	-1335545	-26	370	-159885
Fondazione	SLE RA 2	0	0	-1503173	321	-3392	-1336582	-312	714	-158822
Fondazione	SLE RA 3	0	0	-1510755	318	-3449	-1343327	-311	779	-159663
Fondazione	SLE RA 4	0	0	-1518336	130	-3131	-1349035	-24	500	-161567
Fondazione	SLE RA 5	0	0	-1518336	240	-3356	-1349658	-196	707	-160929
Fondazione	SLE RA 6	0	0	-1739473	393	-4609	-1549921	-369	1190	-179551
Fondazione	SLE RA 7	0	0	-1747054	389	-4665	-1556666	-368	1255	-180392
Fondazione	SLE RA 8	0	0	-1754636	201	-4347	-1562374	-81	976	-182296
Fondazione	SLE RA 9	0	0	-1754636	312	-4572	-1562996	-253	1182	-181659
Fondazione	SLE RA 10	0	0	-1840744	239	-4754	-1640314	-107	1050	-189498
Fondazione	SLE RA 11	0	0	-1840744	350	-4980	-1640937	-279	1256	-188860
Fondazione	SLE RA 12	0	0	-1848325	235	-4811	-1647059	-106	1115	-190339
Fondazione	SLE RA 13	0	0	-1848325	346	-5036	-1647682	-278	1321	-189701
Fondazione	SLE FR 1	0	0	-1503173	137	-3017	-1335545	-26	370	-159885
Fondazione	SLE FR 2	0	0	-1503173	229	-3205	-1336063	-169	542	-159353
Fondazione	SLE FR 3	0	0	-1506206	135	-3040	-1338243	-25	396	-160221
Fondazione	SLE FR 4	0	0	-1604444	260	-3726	-1427494	-193	746	-168237
Fondazione	SLE FR 5	0	0	-1607477	166	-3561	-1429674	-50	600	-169105
Fondazione	SLE FR 6	0	0	-1671959	188	-3886	-1487929	-66	710	-174691

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Fondazione	SLE QP 1	0	0	-1503173	137	-3017	-1335545	-26	370	-159885
Fondazione	SLE QP 2	0	0	-1604444	168	-3538	-1426976	-50	574	-168769
Fondazione	SLD 1	-30783	-11658	-1601921	-12173	-7773	-1423603	-16116	-5966	-171031
Fondazione	SLD 2	-30783	-11658	-1601921	-12173	-7773	-1423603	-16116	-5966	-171031
Fondazione	SLD 3	-31478	8270	-1601575	-11655	-290	-1414787	-17674	5362	-178392
Fondazione	SLD 4	-31478	8270	-1601575	-11655	-290	-1414787	-17674	5362	-178392
Fondazione	SLD 5	-8180	-33722	-1604211	-4320	-16158	-1439336	-2506	-18569	-158283
Fondazione	SLD 6	-8180	-33722	-1604211	-4320	-16158	-1439336	-2506	-18569	-158283
Fondazione	SLD 7	-10499	32706	-1603060	-2594	8786	-1409947	-7701	19191	-182820
Fondazione	SLD 8	-10499	32706	-1603060	-2594	8786	-1409947	-7701	19191	-182820
Fondazione	SLD 9	10499	-32706	-1605829	2929	-15863	-1444004	7601	-18043	-154718
Fondazione	SLD 10	10499	-32706	-1605829	2929	-15863	-1444004	7601	-18043	-154718
Fondazione	SLD 11	8180	33722	-1604678	4655	9082	-1414616	2406	19717	-179254
Fondazione	SLD 12	8180	33722	-1604678	4655	9082	-1414616	2406	19717	-179254
Fondazione	SLD 13	31478	-8270	-1607314	11990	-6787	-1439164	17574	-4214	-159146
Fondazione	SLD 14	31478	-8270	-1607314	11990	-6787	-1439164	17574	-4214	-159146
Fondazione	SLD 15	30783	11658	-1606968	12508	697	-1430348	16016	7114	-166507
Fondazione	SLD 16	30783	11658	-1606968	12508	697	-1430348	16016	7114	-166507
Fondazione	SLV 1	-77413	-29469	-1598161	-31217	-14266	-1418429	-40009	-15931	-174595
Fondazione	SLV 2	-77413	-29469	-1598161	-31217	-14266	-1418429	-40009	-15931	-174595
Fondazione	SLV 3	-79268	20764	-1597331	-30023	4703	-1395678	-43922	12501	-193704
Fondazione	SLV 4	-79268	20764	-1597331	-30023	4703	-1395678	-43922	12501	-193704
Fondazione	SLV 5	-20410	-85028	-1603819	-11060	-35526	-1458917	-6103	-47499	-141534
Fondazione	SLV 6	-20410	-85028	-1603819	-11060	-35526	-1458917	-6103	-47499	-141534
Fondazione	SLV 7	-26595	82417	-1601050	-7078	27703	-1383080	-19147	47274	-205232
Fondazione	SLV 8	-26595	82417	-1601050	-7078	27703	-1383080	-19147	47274	-205232
Fondazione	SLV 9	26595	-82417	-1607838	7413	-34780	-1470871	19046	-46126	-132306
Fondazione	SLV 10	26595	-82417	-1607838	7413	-34780	-1470871	19046	-46126	-132306
Fondazione	SLV 11	20410	85028	-1605069	11395	28450	-1395034	6003	48647	-196003
Fondazione	SLV 12	20410	85028	-1605069	11395	28450	-1395034	6003	48647	-196003
Fondazione	SLV 13	79268	-20764	-1611558	30358	-11779	-1458273	43822	-11353	-143834
Fondazione	SLV 14	79268	-20764	-1611558	30358	-11779	-1458273	43822	-11353	-143834
Fondazione	SLV 15	77413	29469	-1610727	31552	7190	-1435522	39909	17079	-162943
Fondazione	SLV 16	77413	29469	-1610727	31552	7190	-1435522	39909	17079	-162943
Fondazione	CRTFP Ux+	1	0	0	1	0	0	0	0	0
Fondazione	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
Fondazione	CRTFP Uy+	0	1	0	0	0	1	0	0	-1
Fondazione	CRTFP Uy-	0	-1	0	0	0	-1	0	0	1
Fondazione	CRTFP Rz+	0	0	0	0	0	0	0	0	0
Fondazione	CRTFP Rz-	0	0	0	0	0	0	0	0	0
p.lo 1	Pesi	0	0	-785368	-20	820	-688461	5	464	-95237
p.lo 1	Port.	0	0	-673009	-1	823	-617149	-31	-94	-54636
p.lo 1	Accidentali	0	0	-333789	117	-140	-303207	-82	680	-29613
p.lo 1	neve	0	0	-15163	-5	-37	-13420	2	130	-1682
p.lo 1	ΔT	0	0	0	272	-300	-1031	-286	344	1063
p.lo 1	SLV X	73511	3290	-8355	34256	1403	-21024	37229	3969	15169
p.lo 1	SLV Y	-4207	84545	-952	1734	24609	27042	-6517	48432	-34479
p.lo 1	X SLD	29138	1295	-3222	13433	546	-8202	14915	1571	5969
p.lo 1	Y SLD	-1744	33896	-769	772	9728	10486	-2742	19664	-13793
p.lo 1	Rig Ux	1	0	0	1	0	0	0	0	0
p.lo 1	Rig Uy	0	1	0	0	0	1	0	0	-1
p.lo 1	Rig Rz	0	0	0	0	0	0	0	0	0
p.lo 1	SLU 1	0	0	-1323775	-20	1479	-1182180	-19	389	-138946
p.lo 1	SLU 2	0	0	-1323775	388	1028	-1183727	-449	905	-137351
p.lo 1	SLU 3	0	0	-1335147	384	1001	-1193792	-448	1002	-138613
p.lo 1	SLU 4	0	0	-1346520	-28	1423	-1202310	-17	584	-141469
p.lo 1	SLU 5	0	0	-1346520	217	1153	-1203238	-274	894	-140513
p.lo 1	SLU 6	0	0	-1674254	511	881	-1502094	-535	1618	-168445
p.lo 1	SLU 7	0	0	-1685626	507	854	-1512159	-534	1716	-169707
p.lo 1	SLU 8	0	0	-1696998	95	1276	-1520678	-103	1298	-172563
p.lo 1	SLU 9	0	0	-1696998	340	1006	-1521606	-360	1607	-171607
p.lo 1	SLU 10	0	0	-1824459	156	1269	-1636991	-142	1409	-183366
p.lo 1	SLU 11	0	0	-1824459	401	998	-1637919	-400	1718	-182409
p.lo 1	SLU 12	0	0	-1835831	152	1241	-1647056	-141	1506	-184628
p.lo 1	SLU 13	0	0	-1835831	397	971	-1647984	-399	1816	-183671
p.lo 1	SLU 14	0	0	-1794882	-21	2054	-1614185	-41	323	-177191
p.lo 1	SLU 15	0	0	-1794882	387	1604	-1615731	-470	839	-175597
p.lo 1	SLU 16	0	0	-1806254	383	1576	-1625796	-469	937	-176858
p.lo 1	SLU 17	0	0	-1817626	-29	1999	-1634314	-38	518	-179715
p.lo 1	SLU 18	0	0	-1817626	216	1729	-1635242	-296	828	-178758
p.lo 1	SLU 19	0	0	-2145360	510	1457	-1934099	-556	1553	-206691
p.lo 1	SLU 20	0	0	-2156732	506	1429	-1944164	-555	1650	-207952
p.lo 1	SLU 21	0	0	-2168105	95	1852	-1952682	-124	1232	-210809
p.lo 1	SLU 22	0	0	-2168105	339	1582	-1953610	-382	1542	-209852
p.lo 1	SLU 23	0	0	-2295565	155	1844	-2068996	-164	1343	-221611
p.lo 1	SLU 24	0	0	-2295565	400	1574	-2069923	-421	1652	-220655
p.lo 1	SLU 25	0	0	-2306938	151	1817	-2079060	-162	1440	-222873
p.lo 1	SLU 26	0	0	-2306938	396	1547	-2079988	-420	1750	-221916
p.lo 1	SLU 27	0	0	-1559386	-26	1725	-1388718	-18	528	-167517
p.lo 1	SLU 28	0	0	-1559386	382	1274	-1390265	-447	1044	-165922
p.lo 1	SLU 29	0	0	-1570758	378	1247	-1400330	-446	1141	-167184
p.lo 1	SLU 30	0	0	-1582130	-34	1669	-1408848	-15	723	-170040
p.lo 1	SLU 31	0	0	-1582130	211	1399	-1409776	-273	1033	-169084
p.lo 1	SLU 32	0	0	-1909864	505	1127	-1708633	-533	1758	-197017
p.lo 1	SLU 33	0	0	-1921236	501	1100	-1718698	-532	1855	-198278
p.lo 1	SLU 34	0	0	-1932608	89	1522	-1727216	-101	1437	-201135
p.lo 1	SLU 35	0	0	-1932608	334	1252	-1728144	-359	1746	-200178
p.lo 1	SLU 36	0	0	-2060069	150	1515	-1843529	-141	1548	-211937
p.lo 1	SLU 37	0	0	-2060069	395	1245	-1844457	-398	1857	-210980
p.lo 1	SLU 38	0	0	-2071441	146	1487	-1853594	-139	1645	-213199
p.lo 1	SLU 39	0	0	-2071441	391	1217	-1854522	-397	1955	-212242
p.lo 1	SLU 40	0	0	-2030492	-27	2300	-1820723	-39	463	-205762
p.lo 1	SLU 41	0	0	-2030492	381	1850	-1822269	-469	978	-204168
p.lo 1	SLU 42	0	0	-2041864	377	1822	-1832334	-468	1076	-205429
p.lo 1	SLU 43	0	0	-2053236	-35	2245	-1840853	-37	658	-208286
p.lo 1	SLU 44	0	0	-2053236	210	1975	-1841781	-294	967	-207329
p.lo 1	SLU 45	0	0	-2380971	505	1703	-2140637	-555	1692	-235262
p.lo 1	SLU 46	0	0	-2392343	501	1676	-2150702	-553	1790	-236524

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
p.lo 1	SLU 47	0	0	-2403715	89	2098	-2159220	-123	1371	-239380
p.lo 1	SLU 48	0	0	-2403715	333	1828	-2160148	-380	1681	-238423
p.lo 1	SLU 49	0	0	-2531176	149	2091	-2275534	-162	1482	-250182
p.lo 1	SLU 50	0	0	-2531176	394	1820	-2276462	-420	1792	-249226
p.lo 1	SLU 51	0	0	-2542548	145	2063	-2285599	-161	1580	-251444
p.lo 1	SLU 52	0	0	-2542548	390	1793	-2286527	-418	1889	-250487
p.lo 1	SLE RA 1	0	0	-1458377	-20	1643	-1305610	-26	370	-149873
p.lo 1	SLE RA 2	0	0	-1458377	252	1343	-1306641	-312	714	-148810
p.lo 1	SLE RA 3	0	0	-1465959	249	1324	-1313351	-311	779	-149651
p.lo 1	SLE RA 4	0	0	-1473540	-26	1606	-1319030	-24	500	-151555
p.lo 1	SLE RA 5	0	0	-1473540	138	1426	-1319648	-196	707	-150918
p.lo 1	SLE RA 6	0	0	-1692030	334	1245	-1518886	-369	1190	-169539
p.lo 1	SLE RA 7	0	0	-1699611	331	1226	-1525596	-368	1255	-170381
p.lo 1	SLE RA 8	0	0	-1707192	56	1508	-1531275	-81	976	-172285
p.lo 1	SLE RA 9	0	0	-1707192	220	1328	-1531894	-253	1182	-171647
p.lo 1	SLE RA 10	0	0	-1792166	97	1503	-1608817	-107	1050	-179487
p.lo 1	SLE RA 11	0	0	-1792166	260	1323	-1609436	-279	1256	-178849
p.lo 1	SLE RA 12	0	0	-1799748	94	1485	-1615527	-106	1115	-180328
p.lo 1	SLE RA 13	0	0	-1799748	257	1304	-1616146	-278	1321	-179690
p.lo 1	SLE FR 1	0	0	-1458377	-20	1643	-1305610	-26	370	-149873
p.lo 1	SLE FR 2	0	0	-1458377	116	1493	-1306125	-169	542	-149342
p.lo 1	SLE FR 3	0	0	-1461410	-21	1636	-1308294	-25	396	-150210
p.lo 1	SLE FR 4	0	0	-1558514	151	1451	-1397088	-193	746	-158226
p.lo 1	SLE FR 5	0	0	-1561546	14	1594	-1399256	-50	600	-159094
p.lo 1	SLE FR 6	0	0	-1625272	38	1573	-1457214	-66	710	-164680
p.lo 1	SLE QP 1	0	0	-1458377	-20	1643	-1305610	-26	370	-149873
p.lo 1	SLE QP 2	0	0	-1558514	15	1601	-1396572	-50	574	-158757
p.lo 1	SLD 1	-28615	-11464	-1555061	-13650	-1863	-1391516	-14142	-6896	-160588
p.lo 1	SLD 2	-28615	-11464	-1555061	-13650	-1863	-1391516	-14142	-6896	-160588
p.lo 1	SLD 3	-29661	8874	-1555523	-13187	3973	-1385224	-15787	4903	-168864
p.lo 1	SLD 4	-29661	8874	-1555523	-13187	3973	-1385224	-15787	4903	-168864
p.lo 1	SLD 5	-6997	-34284	-1556778	-4787	-8290	-1404597	-1783	-19561	-146755
p.lo 1	SLD 6	-6997	-34284	-1556778	-4787	-8290	-1404597	-1783	-19561	-146755
p.lo 1	SLD 7	-10485	33507	-1558317	-3243	11165	-1383626	-7266	19767	-174341
p.lo 1	SLD 8	-10485	33507	-1558317	-3243	11165	-1383626	-7266	19767	-174341
p.lo 1	SLD 9	10485	-33507	-1558711	3273	-7963	-1409519	7166	-18619	-143173
p.lo 1	SLD 10	10485	-33507	-1558711	3273	-7963	-1409519	7166	-18619	-143173
p.lo 1	SLD 11	6997	34284	-1560250	4816	11493	-1388547	1682	20710	-170759
p.lo 1	SLD 12	6997	34284	-1560250	4816	11493	-1388547	1682	20710	-170759
p.lo 1	SLD 13	29661	-8874	-1561505	13216	-771	-1407920	15687	-3755	-148650
p.lo 1	SLD 14	29661	-8874	-1561505	13216	-771	-1407920	15687	-3755	-148650
p.lo 1	SLD 15	28615	11464	-1561967	13679	5065	-1401629	14042	8044	-156926
p.lo 1	SLD 16	28615	11464	-1561967	13679	5065	-1401629	14042	8044	-156926
p.lo 1	SLV 1	-72249	-28653	-1549873	-34762	-7185	-1383660	-35324	-17925	-163583
p.lo 1	SLV 2	-72249	-28653	-1549873	-34762	-7185	-1383660	-35324	-17925	-163583
p.lo 1	SLV 3	-74773	22073	-1550444	-33721	7580	-1367435	-39234	11134	-184270
p.lo 1	SLV 4	-74773	22073	-1550444	-33721	7580	-1367435	-39234	11134	-184270
p.lo 1	SLV 5	-17846	-85532	-1555056	-11996	-23429	-1417307	-4702	-49048	-128829
p.lo 1	SLV 6	-17846	-85532	-1555056	-11996	-23429	-1417307	-4702	-49048	-128829
p.lo 1	SLV 7	-26261	83558	-1556959	-8528	25789	-1363223	-17736	47815	-197787
p.lo 1	SLV 8	-26261	83558	-1556959	-8528	25789	-1363223	-17736	47815	-197787
p.lo 1	SLV 9	26261	-83558	-1560069	8557	-22587	-1429921	17636	-46667	-119728
p.lo 1	SLV 10	26261	-83558	-1560069	8557	-22587	-1429921	17636	-46667	-119728
p.lo 1	SLV 11	17846	85532	-1561972	12026	26631	-1375838	4602	50197	-188685
p.lo 1	SLV 12	17846	85532	-1561972	12026	26631	-1375838	4602	50197	-188685
p.lo 1	SLV 13	74773	-22073	-1566584	33751	-4378	-1425709	39134	-9986	-133244
p.lo 1	SLV 14	74773	-22073	-1566584	33751	-4378	-1425709	39134	-9986	-133244
p.lo 1	SLV 15	72249	28653	-1567155	34791	10387	-1409484	35224	19073	-153931
p.lo 1	SLV 16	72249	28653	-1567155	34791	10387	-1409484	35224	19073	-153931
p.lo 1	CRTFP Ux+	1	0	0	1	0	0	0	0	0
p.lo 1	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
p.lo 1	CRTFP Uy+	0	1	0	0	0	1	0	0	-1
p.lo 1	CRTFP Uy-	0	-1	0	0	0	-1	0	0	1
p.lo 1	CRTFP Rz+	0	0	0	0	0	0	0	0	0
p.lo 1	CRTFP Rz-	0	0	0	0	0	0	0	0	0
Piano 1	Pesi	0	0	-651506	-551	-2195	-567747	440	2160	-82446
Piano 1	Port.	0	0	-529938	-624	-2235	-484408	608	1879	-44428
Piano 1	Accidentali	0	0	-278982	-243	-1573	-253029	118	1334	-24855
Piano 1	neve	0	0	-15163	-5	-25	-13528	3	104	-1673
Piano 1	ΔT	0	0	0	-260	1406	-819	274	-1430	818
Piano 1	SLV X	75091	6428	7513	27536	-776	-7899	45396	3335	17456
Piano 1	SLV Y	-6199	76068	-2714	1590	22719	33387	-8267	40083	-29881
Piano 1	X SLD	29618	2538	3450	10765	-305	-3106	18010	1327	7357
Piano 1	Y SLD	-2745	30087	-1744	653	8892	12955	-3584	16010	-12267
Piano 1	Rig Ux	1	0	0	1	0	0	0	0	0
Piano 1	Rig Uy	0	1	0	0	0	1	0	0	-1
Piano 1	Rig Rz	0	0	0	0	0	0	0	0	0
Piano 1	SLU 1	0	0	-1075457	-1050	-3983	-955274	926	3663	-117988
Piano 1	SLU 2	0	0	-1075457	-1441	-1874	-956502	1337	1518	-116762
Piano 1	SLU 3	0	0	-1086829	-1445	-1892	-966648	1340	1596	-118017
Piano 1	SLU 4	0	0	-1098201	-1058	-4020	-975566	931	3819	-120498
Piano 1	SLU 5	0	0	-1098201	-1293	-2754	-976303	1177	2532	-119762
Piano 1	SLU 6	0	0	-1368388	-1695	-3526	-1222183	1461	2918	-142860
Piano 1	SLU 7	0	0	-1379760	-1699	-3544	-1232329	1463	2996	-144115
Piano 1	SLU 8	0	0	-1391132	-1313	-5672	-1241247	1055	5219	-146596
Piano 1	SLU 9	0	0	-1391132	-1547	-4406	-1241984	1301	3932	-145860
Piano 1	SLU 10	0	0	-1493929	-1414	-6343	-1334818	1103	5664	-155271
Piano 1	SLU 11	0	0	-1493929	-1648	-5078	-1335555	1350	4377	-154535
Piano 1	SLU 12	0	0	-1505301	-1418	-6362	-1344964	1105	5742	-156526
Piano 1	SLU 13	0	0	-1505301	-1652	-5096	-1345701	1352	4455	-155790
Piano 1	SLU 14	0	0	-1446414	-1487	-5548	-1294360	1352	4978	-149088
Piano 1	SLU 15	0	0	-1446414	-1877	-3438	-1295588	1763	2833	-147862
Piano 1	SLU 16	0	0	-1457786	-1881	-3457	-1305734	1765	2911	-149117
Piano 1	SLU 17	0	0	-1469158	-1495	-5585	-1314652	1357	5134	-151598
Piano 1	SLU 18	0	0	-1469158	-1729	-4319	-1315389	1603	3847	-150862
Piano 1	SLU 19	0	0	-1739344	-2132	-5090	-1561269	1887	4234	-173959
Piano 1	SLU 20	0	0	-1750717	-2136	-5109	-1571415	1889	4312	-175214
Piano 1	SLU 21	0	0	-1762089	-1750	-7237	-1580332	1480	6535	-177696

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Piano 1	SLU 22	0	0	-1762089	-1984	-5971	-1581069	1727	5248	-176960
Piano 1	SLU 23	0	0	-1864886	-1851	-7908	-1673904	1529	6979	-186371
Piano 1	SLU 24	0	0	-1864886	-2085	-6642	-1674641	1775	5692	-185635
Piano 1	SLU 25	0	0	-1876258	-1855	-7926	-1684050	1531	7057	-187625
Piano 1	SLU 26	0	0	-1876258	-2089	-6660	-1684787	1778	5770	-186890
Piano 1	SLU 27	0	0	-1270908	-1216	-4642	-1125598	1058	4311	-142722
Piano 1	SLU 28	0	0	-1270908	-1606	-2532	-1126827	1469	2166	-141496
Piano 1	SLU 29	0	0	-1282281	-1610	-2551	-1136973	1471	2244	-142751
Piano 1	SLU 30	0	0	-1293653	-1224	-4679	-1145890	1063	4467	-145232
Piano 1	SLU 31	0	0	-1293653	-1458	-3413	-1146627	1309	3180	-144496
Piano 1	SLU 32	0	0	-1563839	-1861	-4184	-1392507	1593	3566	-167593
Piano 1	SLU 33	0	0	-1575211	-1865	-4203	-1402653	1595	3644	-168848
Piano 1	SLU 34	0	0	-1586584	-1479	-6331	-1411571	1186	5867	-171330
Piano 1	SLU 35	0	0	-1586584	-1713	-5065	-1412308	1433	4580	-170594
Piano 1	SLU 36	0	0	-1689381	-1580	-7002	-1505142	1235	6311	-180005
Piano 1	SLU 37	0	0	-1689381	-1814	-5736	-1505879	1481	5024	-179269
Piano 1	SLU 38	0	0	-1700753	-1584	-7020	-1515288	1237	6390	-181259
Piano 1	SLU 39	0	0	-1700753	-1818	-5755	-1516025	1484	5103	-180524
Piano 1	SLU 40	0	0	-1641865	-1652	-6206	-1464684	1484	5626	-173822
Piano 1	SLU 41	0	0	-1641865	-2042	-4097	-1465912	1895	3481	-172596
Piano 1	SLU 42	0	0	-1653237	-2047	-4115	-1476058	1897	3559	-173850
Piano 1	SLU 43	0	0	-1664610	-1660	-6243	-1484976	1488	5782	-176332
Piano 1	SLU 44	0	0	-1664610	-1895	-4977	-1485713	1735	4495	-175596
Piano 1	SLU 45	0	0	-1934796	-2297	-5749	-1731593	2019	4882	-198693
Piano 1	SLU 46	0	0	-1946168	-2301	-5767	-1741739	2021	4960	-199948
Piano 1	SLU 47	0	0	-1957540	-1915	-7895	-1750657	1612	7183	-202429
Piano 1	SLU 48	0	0	-1957540	-2149	-6629	-1751394	1859	5896	-201693
Piano 1	SLU 49	0	0	-2060338	-2016	-8566	-1844228	1661	7627	-211104
Piano 1	SLU 50	0	0	-2060338	-2250	-7301	-1844965	1907	6340	-210368
Piano 1	SLU 51	0	0	-2071710	-2020	-8585	-1854374	1663	7705	-212359
Piano 1	SLU 52	0	0	-2071710	-2254	-7319	-1855111	1910	6418	-211623
Piano 1	SLE RA 1	0	0	-1181444	-1175	-4430	-1052156	1048	4039	-126874
Piano 1	SLE RA 2	0	0	-1181444	-1435	-3024	-1052975	1322	2609	-126056
Piano 1	SLE RA 3	0	0	-1189026	-1438	-3036	-1059738	1323	2661	-126893
Piano 1	SLE RA 4	0	0	-1196607	-1180	-4455	-1065684	1051	4143	-128547
Piano 1	SLE RA 5	0	0	-1196607	-1337	-3611	-1066175	1215	3285	-128057
Piano 1	SLE RA 6	0	0	-1376732	-1605	-4125	-1230095	1404	3542	-143455
Piano 1	SLE RA 7	0	0	-1384313	-1608	-4138	-1236859	1406	3594	-144291
Piano 1	SLE RA 8	0	0	-1391894	-1350	-5556	-1242804	1133	5076	-145946
Piano 1	SLE RA 9	0	0	-1391894	-1506	-4712	-1243295	1298	4218	-145455
Piano 1	SLE RA 10	0	0	-1460426	-1418	-6004	-1305185	1166	5372	-151729
Piano 1	SLE RA 11	0	0	-1460426	-1574	-5160	-1305676	1330	4514	-151238
Piano 1	SLE RA 12	0	0	-1468008	-1420	-6016	-1311949	1167	5424	-152566
Piano 1	SLE RA 13	0	0	-1468008	-1576	-5172	-1312440	1332	4566	-152075
Piano 1	SLE FR 1	0	0	-1181444	-1175	-4430	-1052156	1048	4039	-126874
Piano 1	SLE FR 2	0	0	-1181444	-1305	-3727	-1052565	1185	3324	-126465
Piano 1	SLE FR 3	0	0	-1184477	-1176	-4435	-1054861	1048	4060	-127209
Piano 1	SLE FR 4	0	0	-1265139	-1378	-4199	-1128474	1220	3724	-133922
Piano 1	SLE FR 5	0	0	-1268171	-1249	-4907	-1130770	1084	4460	-134665
Piano 1	SLE FR 6	0	0	-1320935	-1296	-5217	-1178670	1107	4706	-139302
Piano 1	SLE QP 1	0	0	-1181444	-1175	-4430	-1052156	1048	4039	-126874
Piano 1	SLE QP 2	0	0	-1265139	-1248	-4902	-1128064	1083	4439	-134331
Piano 1	SLD 1	-28794	-11564	-1268066	-12209	-7264	-1128845	-15852	-1691	-138007
Piano 1	SLD 2	-28794	-11564	-1268066	-12209	-7264	-1128845	-15852	-1691	-138007
Piano 1	SLD 3	-30441	6488	-1269112	-11817	-1929	-1121072	-18003	7915	-145367
Piano 1	SLD 4	-30441	6488	-1269112	-11817	-1929	-1121072	-18003	7915	-145367
Piano 1	SLD 5	-6140	-30849	-1264430	-5130	-13702	-1140088	-735	-11970	-124271
Piano 1	SLD 6	-6140	-30849	-1264430	-5130	-13702	-1140088	-735	-11970	-124271
Piano 1	SLD 7	-11631	29326	-1267918	-3824	4081	-1114178	-7904	20051	-148804
Piano 1	SLD 8	-11631	29326	-1267918	-3824	4081	-1114178	-7904	20051	-148804
Piano 1	SLD 9	11631	-29326	-1262360	1329	-13886	-1141951	10071	-11173	-119857
Piano 1	SLD 10	11631	-29326	-1262360	1329	-13886	-1141951	10071	-11173	-119857
Piano 1	SLD 11	6140	30849	-1265848	2635	3898	-1116041	2902	20847	-144390
Piano 1	SLD 12	6140	30849	-1265848	2635	3898	-1116041	2902	20847	-144390
Piano 1	SLD 13	30441	-6488	-1261166	9322	-7875	-1135057	20169	963	-123294
Piano 1	SLD 14	30441	-6488	-1261166	9322	-7875	-1135057	20169	963	-123294
Piano 1	SLD 15	28794	11564	-1262212	9713	-2540	-1127284	18018	10569	-130654
Piano 1	SLD 16	28794	11564	-1262212	9713	-2540	-1127284	18018	10569	-130654
Piano 1	SLV 1	-73231	-29249	-1271837	-29260	-10942	-1130182	-41833	-10921	-142822
Piano 1	SLV 2	-73231	-29249	-1271837	-29260	-10942	-1130182	-41833	-10921	-142822
Piano 1	SLV 3	-76951	16392	-1273466	-28306	2689	-1110150	-46793	13128	-160751
Piano 1	SLV 4	-76951	16392	-1273466	-28306	2689	-1110150	-46793	13128	-160751
Piano 1	SLV 5	-16328	-77996	-1264678	-11098	-27389	-1159082	-4269	-36645	-109686
Piano 1	SLV 6	-16328	-77996	-1264678	-11098	-27389	-1159082	-4269	-36645	-109686
Piano 1	SLV 7	-28727	74139	-1270107	-7919	18050	-1092308	-20802	43521	-169449
Piano 1	SLV 8	-28727	74139	-1270107	-7919	18050	-1092308	-20802	43521	-169449
Piano 1	SLV 9	28727	-74139	-1260171	5423	-27854	-1163821	22968	-34643	-99212
Piano 1	SLV 10	28727	-74139	-1260171	5423	-27854	-1163821	22968	-34643	-99212
Piano 1	SLV 11	16328	77996	-1265599	8603	17584	-1097047	6435	45522	-158975
Piano 1	SLV 12	16328	77996	-1265599	8603	17584	-1097047	6435	45522	-158975
Piano 1	SLV 13	76951	-16392	-1256812	25811	-12494	-1145979	48959	-4251	-107910
Piano 1	SLV 14	76951	-16392	-1256812	25811	-12494	-1145979	48959	-4251	-107910
Piano 1	SLV 15	73231	29249	-1258441	26765	1138	-1125947	43999	19799	-125839
Piano 1	SLV 16	73231	29249	-1258441	26765	1138	-1125947	43999	19799	-125839
Piano 1	CRTFP Ux+	1	0	0	1	0	0	0	0	0
Piano 1	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
Piano 1	CRTFP Uy+	0	1	0	0	0	1	0	0	-1
Piano 1	CRTFP Uy-	0	-1	0	0	0	-1	0	0	1
Piano 1	CRTFP Rz+	0	0	0	0	0	0	0	0	0
Piano 1	CRTFP Rz-	0	0	0	0	0	0	0	0	0
p.lo 2	Pesi	0	0	-631807	-319	-1308	-552830	440	2160	-77951
p.lo 2	Port.	0	0	-527362	-535	-1594	-482252	608	1879	-44428
p.lo 2	Accidentali	0	0	-275985	0	-1158	-250604	118	1334	-24855
p.lo 2	neve	0	0	-15163	-4	-6	-13438	3	104	-1673
p.lo 2	ΔT	0	0	0	-269	824	-1128	274	-1430	818
p.lo 2	SLV X	65973	5645	6611	27675	4544	-8907	36439	3451	17950
p.lo 2	SLV Y	-3619	74798	-8029	1645	22401	21218	-5696	39100	-35416
p.lo 2	X SLD	25858	2212	3353	10821	1775	-3502	14312	1353	7804

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
p.lo 2	Y SLD	-1439	29459	-4714	682	8773	8252	-2289	15501	-15371
p.lo 2	Rig Ux	1	0	0	1	0	0	0	0	0
p.lo 2	Rig Uy	0	1	0	0	0	1	0	0	-1
p.lo 2	Rig Rz	0	0	0	0	0	0	0	0	0
p.lo 2	SLU 1	0	0	-1053696	-747	-2584	-938631	926	3663	-113493
p.lo 2	SLU 2	0	0	-1053696	-1151	-1348	-940324	1337	1518	-112267
p.lo 2	SLU 3	0	0	-1065068	-1154	-1352	-950402	1340	1596	-113522
p.lo 2	SLU 4	0	0	-1076440	-753	-2593	-958788	931	3819	-116003
p.lo 2	SLU 5	0	0	-1076440	-995	-1851	-959803	1177	2532	-115267
p.lo 2	SLU 6	0	0	-1343480	-1151	-2564	-1203458	1461	2918	-138365
p.lo 2	SLU 7	0	0	-1354852	-1154	-2569	-1213536	1463	2996	-139620
p.lo 2	SLU 8	0	0	-1366224	-753	-3809	-1221922	1055	5219	-142101
p.lo 2	SLU 9	0	0	-1366224	-995	-3068	-1222937	1301	3932	-141365
p.lo 2	SLU 10	0	0	-1467674	-747	-4321	-1314537	1103	5664	-150776
p.lo 2	SLU 11	0	0	-1467674	-989	-3580	-1315553	1350	4377	-150040
p.lo 2	SLU 12	0	0	-1479046	-750	-4326	-1324616	1105	5742	-152031
p.lo 2	SLU 13	0	0	-1479046	-992	-3584	-1325631	1352	4455	-151295
p.lo 2	SLU 14	0	0	-1422849	-1121	-3700	-1276208	1352	4978	-144593
p.lo 2	SLU 15	0	0	-1422849	-1525	-2464	-1277900	1763	2833	-143367
p.lo 2	SLU 16	0	0	-1434221	-1528	-2469	-1287978	1765	2911	-144622
p.lo 2	SLU 17	0	0	-1445593	-1127	-3709	-1296364	1357	5134	-147103
p.lo 2	SLU 18	0	0	-1445593	-1370	-2967	-1297380	1603	3847	-146367
p.lo 2	SLU 19	0	0	-1712633	-1525	-3680	-1541034	1887	4234	-169464
p.lo 2	SLU 20	0	0	-1724005	-1528	-3685	-1551113	1889	4312	-170719
p.lo 2	SLU 21	0	0	-1735377	-1127	-4925	-1559499	1480	6535	-173201
p.lo 2	SLU 22	0	0	-1735377	-1370	-4184	-1560514	1727	5248	-172465
p.lo 2	SLU 23	0	0	-1836827	-1122	-5437	-1652114	1529	6979	-181876
p.lo 2	SLU 24	0	0	-1836827	-1364	-4696	-1653129	1775	5692	-181140
p.lo 2	SLU 25	0	0	-1848199	-1125	-5442	-1662192	1531	7057	-183130
p.lo 2	SLU 26	0	0	-1848199	-1367	-4700	-1663208	1778	5770	-182395
p.lo 2	SLU 27	0	0	-1243238	-842	-2976	-1104480	1058	4311	-136879
p.lo 2	SLU 28	0	0	-1243238	-1246	-1740	-1106172	1469	2166	-135652
p.lo 2	SLU 29	0	0	-1254610	-1249	-1745	-1116251	1471	2244	-136907
p.lo 2	SLU 30	0	0	-1265982	-848	-2985	-1124637	1063	4467	-139388
p.lo 2	SLU 31	0	0	-1265982	-1091	-2244	-1125652	1309	3180	-138653
p.lo 2	SLU 32	0	0	-1533022	-1247	-2957	-1369307	1593	3566	-161750
p.lo 2	SLU 33	0	0	-1544394	-1250	-2961	-1379385	1595	3644	-163005
p.lo 2	SLU 34	0	0	-1555766	-849	-4201	-1387771	1186	5867	-165486
p.lo 2	SLU 35	0	0	-1555766	-1091	-3460	-1388786	1433	4580	-164750
p.lo 2	SLU 36	0	0	-1657216	-843	-4713	-1480386	1235	6311	-174161
p.lo 2	SLU 37	0	0	-1657216	-1085	-3972	-1481402	1481	5024	-173425
p.lo 2	SLU 38	0	0	-1668588	-846	-4718	-1490464	1237	6390	-175416
p.lo 2	SLU 39	0	0	-1668588	-1088	-3977	-1491480	1484	5103	-174680
p.lo 2	SLU 40	0	0	-1612391	-1217	-4092	-1442057	1484	5626	-167978
p.lo 2	SLU 41	0	0	-1612391	-1621	-2856	-1443749	1895	3481	-166752
p.lo 2	SLU 42	0	0	-1623763	-1624	-2861	-1453827	1897	3559	-168007
p.lo 2	SLU 43	0	0	-1635135	-1223	-4101	-1462213	1488	5782	-170488
p.lo 2	SLU 44	0	0	-1635135	-1465	-3360	-1463229	1735	4495	-169752
p.lo 2	SLU 45	0	0	-1902175	-1621	-4073	-1706883	2019	4882	-192850
p.lo 2	SLU 46	0	0	-1913547	-1624	-4077	-1716961	2021	4960	-194105
p.lo 2	SLU 47	0	0	-1924920	-1223	-5318	-1725347	1612	7183	-196586
p.lo 2	SLU 48	0	0	-1924920	-1465	-4576	-1726363	1859	5896	-195850
p.lo 2	SLU 49	0	0	-2026369	-1217	-5830	-1817963	1661	7627	-205261
p.lo 2	SLU 50	0	0	-2026369	-1460	-5088	-1818978	1907	6340	-204525
p.lo 2	SLU 51	0	0	-2037741	-1220	-5834	-1828041	1663	7705	-206516
p.lo 2	SLU 52	0	0	-2037741	-1463	-5093	-1829056	1910	6418	-205780
p.lo 2	SLE RA 1	0	0	-1159168	-854	-2903	-1035082	1048	4039	-122379
p.lo 2	SLE RA 2	0	0	-1159168	-1123	-2079	-1036210	1322	2609	-121561
p.lo 2	SLE RA 3	0	0	-1166750	-1125	-2082	-1042929	1323	2661	-122398
p.lo 2	SLE RA 4	0	0	-1174331	-858	-2909	-1048519	1051	4143	-124052
p.lo 2	SLE RA 5	0	0	-1174331	-1019	-2414	-1049196	1215	3285	-123562
p.lo 2	SLE RA 6	0	0	-1352358	-1123	-2889	-1211633	1404	3542	-138960
p.lo 2	SLE RA 7	0	0	-1359939	-1125	-2893	-1218352	1406	3594	-139796
p.lo 2	SLE RA 8	0	0	-1367521	-858	-3719	-1223942	1133	5076	-141451
p.lo 2	SLE RA 9	0	0	-1367521	-1019	-3225	-1224619	1298	4218	-140960
p.lo 2	SLE RA 10	0	0	-1435153	-854	-4061	-1285686	1166	5372	-147234
p.lo 2	SLE RA 11	0	0	-1435153	-1016	-3566	-1286363	1330	4514	-146743
p.lo 2	SLE RA 12	0	0	-1442735	-856	-4064	-1292405	1167	5424	-148071
p.lo 2	SLE RA 13	0	0	-1442735	-1018	-3570	-1293082	1332	4566	-147580
p.lo 2	SLE FR 1	0	0	-1159168	-854	-2903	-1035082	1048	4039	-122379
p.lo 2	SLE FR 2	0	0	-1159168	-988	-2491	-1035646	1185	3324	-121970
p.lo 2	SLE FR 3	0	0	-1162201	-855	-2904	-1037769	1048	4060	-122714
p.lo 2	SLE FR 4	0	0	-1241964	-988	-2838	-1110827	1220	3724	-129427
p.lo 2	SLE FR 5	0	0	-1244996	-855	-3251	-1112951	1084	4460	-130170
p.lo 2	SLE FR 6	0	0	-1297161	-854	-3482	-1160384	1107	4706	-134807
p.lo 2	SLE QP 1	0	0	-1159168	-854	-2903	-1035082	1048	4039	-122379
p.lo 2	SLE QP 2	0	0	-1241964	-854	-3250	-1110263	1083	4439	-129836
p.lo 2	SLD 1	-25426	-11049	-1243902	-11880	-7657	-1109236	-12542	-1564	-133028
p.lo 2	SLD 2	-25426	-11049	-1243902	-11880	-7657	-1109236	-12542	-1564	-133028
p.lo 2	SLD 3	-26290	6626	-1246731	-11471	-2393	-1104285	-13915	7736	-142250
p.lo 2	SLD 4	-26290	6626	-1246731	-11471	-2393	-1104285	-13915	7736	-142250
p.lo 2	SLD 5	-6319	-30122	-1238256	-4782	-12556	-1117464	-921	-11468	-116806
p.lo 2	SLD 6	-6319	-30122	-1238256	-4782	-12556	-1117464	-921	-11468	-116806
p.lo 2	SLD 7	-9196	28795	-1247683	-3418	4991	-1100961	-5499	19534	-147547
p.lo 2	SLD 8	-9196	28795	-1247683	-3418	4991	-1100961	-5499	19534	-147547
p.lo 2	SLD 9	9196	-28795	-1236244	1711	-11491	-1119565	7666	-10657	-112124
p.lo 2	SLD 10	9196	-28795	-1236244	1711	-11491	-1119565	7666	-10657	-112124
p.lo 2	SLD 11	6319	30122	-1245672	3075	6056	-1103062	3087	20346	-142865
p.lo 2	SLD 12	6319	30122	-1245672	3075	6056	-1103062	3087	20346	-142865
p.lo 2	SLD 13	26290	-6626	-1237197	9763	-4107	-1116241	16082	1141	-117421
p.lo 2	SLD 14	26290	-6626	-1237197	9763	-4107	-1116241	16082	1141	-117421
p.lo 2	SLD 15	25426	11049	-1240025	10172	1157	-1111289	14708	10442	-126643
p.lo 2	SLD 16	25426	11049	-1240025	10172	1157	-1111289	14708	10442	-126643
p.lo 2	SLV 1	-64887	-28084	-1246166	-29022	-14514	-1107721	-33647	-10742	-137161
p.lo 2	SLV 2	-64887	-28084	-1246166	-29022	-14514	-1107721	-33647	-10742	-137161
p.lo 2	SLV 3	-67058	16795	-1250983	-28035	-1073	-1094991	-37064	12718	-158411
p.lo 2	SLV 4	-67058	16795	-1250983	-28035	-1073	-1094991	-37064	12718	-158411
p.lo 2	SLV 5	-16173	-76491	-1235919	-10802	-27014	-1128808	-4153	-35696	-99804

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
p.lo 2	SLV 6	-16173	-76491	-1235919	-10802	-27014	-1128808	-4153	-35696	-99804
p.lo 2	SLV 7	-23411	73105	-1251976	-7511	17788	-1086373	-15544	42503	-170637
p.lo 2	SLV 8	-23411	73105	-1251976	-7511	17788	-1086373	-15544	42503	-170637
p.lo 2	SLV 9	23411	-73105	-1231952	5803	-24288	-1134153	17710	-33626	-89034
p.lo 2	SLV 10	23411	-73105	-1231952	5803	-24288	-1134153	17710	-33626	-89034
p.lo 2	SLV 11	16173	76491	-1248009	9094	20514	-1091718	6319	44574	-159867
p.lo 2	SLV 12	16173	76491	-1248009	9094	20514	-1091718	6319	44574	-159867
p.lo 2	SLV 13	67058	-16795	-1232944	26327	-5427	-1125535	39231	-3840	-101260
p.lo 2	SLV 14	67058	-16795	-1232944	26327	-5427	-1125535	39231	-3840	-101260
p.lo 2	SLV 15	64887	28084	-1237761	27314	8014	-1112805	35813	19620	-122510
p.lo 2	SLV 16	64887	28084	-1237761	27314	8014	-1112805	35813	19620	-122510
p.lo 2	CRTFP Ux+	1	0	0	1	0	0	0	0	0
p.lo 2	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
p.lo 2	CRTFP Uy+	0	1	0	0	0	1	0	0	-1
p.lo 2	CRTFP Uy-	0	-1	0	0	0	-1	0	0	1
p.lo 2	CRTFP Rz+	0	0	0	0	0	0	0	0	0
p.lo 2	CRTFP Rz-	0	0	0	0	0	0	0	0	0
Piano 2	Pesi	0	0	-502535	-519	-1784	-435889	466	2066	-65548
Piano 2	Port.	0	0	-386715	-550	-1458	-351493	565	1328	-34288
Piano 2	Accidentali	0	0	-222336	-153	-1452	-201613	90	1359	-19738
Piano 2	neve	0	0	-15163	-6	-52	-13573	2	150	-1638
Piano 2	ΔT	0	0	0	-41	315	-637	47	-366	652
Piano 2	SLV X	63177	5059	12986	26869	-680	-4110	34514	2839	19961
Piano 2	SLV Y	-779	65234	-49050	1138	22816	26515	-2434	29300	-69493
Piano 2	X SLD	25037	2021	6401	10535	-249	-1655	13803	1137	9175
Piano 2	Y SLD	-139	25957	-25589	518	8956	10276	-861	11887	-33498
Piano 2	Rig Ux	1	0	0	1	0	0	0	0	0
Piano 2	Rig Uy	0	1	0	0	0	1	0	0	0
Piano 2	Rig Rz	0	0	0	0	0	0	0	0	0
Piano 2	SLU 1	0	0	-811907	-960	-2951	-717083	918	3129	-92978
Piano 2	SLU 2	0	0	-811907	-1021	-2479	-718038	988	2580	-92000
Piano 2	SLU 3	0	0	-823279	-1025	-2518	-728218	990	2692	-93229
Piano 2	SLU 4	0	0	-834651	-969	-3029	-737442	922	3354	-95435
Piano 2	SLU 5	0	0	-834651	-1005	-2745	-738015	964	3025	-94849
Piano 2	SLU 6	0	0	-1045359	-1182	-4004	-929732	1082	4006	-112725
Piano 2	SLU 7	0	0	-1056731	-1186	-4043	-939911	1084	4119	-113953
Piano 2	SLU 8	0	0	-1068104	-1129	-4554	-949135	1016	4781	-116160
Piano 2	SLU 9	0	0	-1068104	-1166	-4270	-949709	1058	4452	-115573
Piano 2	SLU 10	0	0	-1145410	-1189	-5129	-1019502	1053	5167	-122585
Piano 2	SLU 11	0	0	-1145410	-1226	-4846	-1020075	1095	4837	-121998
Piano 2	SLU 12	0	0	-1156782	-1194	-5168	-1029682	1055	5280	-123813
Piano 2	SLU 13	0	0	-1156782	-1230	-4885	-1030255	1097	4950	-123227
Piano 2	SLU 14	0	0	-1082607	-1345	-3971	-963128	1314	4058	-116979
Piano 2	SLU 15	0	0	-1082607	-1406	-3499	-964083	1384	3509	-116001
Piano 2	SLU 16	0	0	-1093980	-1411	-3538	-974263	1386	3622	-117230
Piano 2	SLU 17	0	0	-1105352	-1354	-4049	-983487	1318	4284	-119437
Piano 2	SLU 18	0	0	-1105352	-1391	-3766	-984060	1360	3955	-118850
Piano 2	SLU 19	0	0	-1316060	-1567	-5024	-1175776	1478	4936	-136726
Piano 2	SLU 20	0	0	-1327432	-1571	-5063	-1185956	1480	5049	-137955
Piano 2	SLU 21	0	0	-1338804	-1515	-5574	-1195180	1412	5711	-140161
Piano 2	SLU 22	0	0	-1338804	-1551	-5291	-1195753	1454	5381	-139575
Piano 2	SLU 23	0	0	-1416111	-1575	-6150	-1265547	1449	6097	-146586
Piano 2	SLU 24	0	0	-1416111	-1611	-5867	-1266120	1491	5767	-145999
Piano 2	SLU 25	0	0	-1427483	-1579	-6189	-1275727	1450	6209	-147815
Piano 2	SLU 26	0	0	-1427483	-1616	-5906	-1276300	1492	5880	-147228
Piano 2	SLU 27	0	0	-962668	-1116	-3486	-847850	1058	3748	-112642
Piano 2	SLU 28	0	0	-962668	-1177	-3014	-848805	1128	3199	-111664
Piano 2	SLU 29	0	0	-974040	-1181	-3053	-858985	1129	3312	-112893
Piano 2	SLU 30	0	0	-985412	-1125	-3564	-868209	1061	3974	-115100
Piano 2	SLU 31	0	0	-985412	-1161	-3281	-868782	1103	3645	-114513
Piano 2	SLU 32	0	0	-1196120	-1337	-4539	-1060498	1222	4626	-132389
Piano 2	SLU 33	0	0	-1207492	-1342	-4578	-1070678	1224	4739	-133618
Piano 2	SLU 34	0	0	-1218864	-1285	-5089	-1079902	1156	5401	-135824
Piano 2	SLU 35	0	0	-1218864	-1322	-4806	-1080475	1198	5071	-135238
Piano 2	SLU 36	0	0	-1296171	-1345	-5664	-1150269	1192	5787	-142249
Piano 2	SLU 37	0	0	-1296171	-1382	-5381	-1150842	1234	5457	-141662
Piano 2	SLU 38	0	0	-1307543	-1350	-5703	-1160448	1194	5899	-143478
Piano 2	SLU 39	0	0	-1307543	-1386	-5420	-1161022	1236	5570	-142891
Piano 2	SLU 40	0	0	-1233368	-1501	-4507	-1093895	1454	4678	-136644
Piano 2	SLU 41	0	0	-1233368	-1562	-4035	-1094850	1523	4129	-135666
Piano 2	SLU 42	0	0	-1244740	-1566	-4074	-1105029	1525	4242	-136894
Piano 2	SLU 43	0	0	-1256112	-1510	-4585	-1114254	1457	4904	-139101
Piano 2	SLU 44	0	0	-1256112	-1546	-4301	-1114827	1499	4574	-138514
Piano 2	SLU 45	0	0	-1466820	-1723	-5559	-1306543	1618	5556	-156390
Piano 2	SLU 46	0	0	-1478192	-1727	-5599	-1316723	1620	5669	-157619
Piano 2	SLU 47	0	0	-1489565	-1670	-6110	-1325947	1552	6331	-159826
Piano 2	SLU 48	0	0	-1489565	-1707	-5826	-1326520	1594	6001	-159239
Piano 2	SLU 49	0	0	-1566871	-1730	-6685	-1396314	1588	6716	-166250
Piano 2	SLU 50	0	0	-1566871	-1767	-6402	-1396887	1630	6387	-165664
Piano 2	SLU 51	0	0	-1578243	-1735	-6724	-1406493	1590	6829	-167479
Piano 2	SLU 52	0	0	-1578243	-1772	-6441	-1407066	1632	6500	-166892
Piano 2	SLE RA 1	0	0	-889250	-1070	-3242	-787382	1031	3394	-99835
Piano 2	SLE RA 2	0	0	-889250	-1111	-2928	-788018	1078	3028	-99183
Piano 2	SLE RA 3	0	0	-896831	-1114	-2954	-794805	1079	3103	-100003
Piano 2	SLE RA 4	0	0	-904413	-1076	-3294	-800954	1034	3545	-101474
Piano 2	SLE RA 5	0	0	-904413	-1100	-3105	-801336	1062	3325	-101083
Piano 2	SLE RA 6	0	0	-1044885	-1218	-3944	-929147	1141	3979	-113000
Piano 2	SLE RA 7	0	0	-1052466	-1221	-3970	-935934	1142	4055	-113819
Piano 2	SLE RA 8	0	0	-1060048	-1183	-4311	-942083	1096	4496	-115290
Piano 2	SLE RA 9	0	0	-1060048	-1207	-4122	-942465	1124	4276	-114899
Piano 2	SLE RA 10	0	0	-1111586	-1223	-4695	-988994	1121	4753	-119573
Piano 2	SLE RA 11	0	0	-1111586	-1247	-4506	-989376	1149	4533	-119182
Piano 2	SLE RA 12	0	0	-1119167	-1226	-4721	-995781	1122	4828	-120392
Piano 2	SLE RA 13	0	0	-1119167	-1250	-4532	-996163	1150	4609	-120001
Piano 2	SLE FR 1	0	0	-889250	-1070	-3242	-787382	1031	3394	-99835
Piano 2	SLE FR 2	0	0	-889250	-1090	-3085	-787700	1054	3211	-99509
Piano 2	SLE FR 3	0	0	-892283	-1071	-3253	-790096	1032	3424	-100163
Piano 2	SLE FR 4	0	0	-955951	-1136	-3521	-848184	1081	3619	-105431

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Piano 2	SLE FR 5	0	0	-958983	-1117	-3688	-850580	1059	3832	-106084
Piano 2	SLE FR 6	0	0	-1000418	-1146	-3968	-888188	1076	4074	-109704
Piano 2	SLE QP 1	0	0	-889250	-1070	-3242	-787382	1031	3394	-99835
Piano 2	SLE QP 2	0	0	-955951	-1116	-3678	-847866	1058	3802	-105757
Piano 2	SLD 1	-24996	-9809	-954675	-11806	-6116	-849293	-12486	-902	-104883
Piano 2	SLD 2	-24996	-9809	-954675	-11806	-6116	-849293	-12486	-902	-104883
Piano 2	SLD 3	-25079	5766	-970028	-11495	-742	-843128	-13003	6231	-124981
Piano 2	SLD 4	-25079	5766	-970028	-11495	-742	-843128	-13003	6231	-124981
Piano 2	SLD 5	-7372	-26563	-932282	-4794	-12559	-857645	-2222	-8427	-75012
Piano 2	SLD 6	-7372	-26563	-932282	-4794	-12559	-857645	-2222	-8427	-75012
Piano 2	SLD 7	-7651	25351	-983460	-3758	5352	-837093	-3944	15348	-142007
Piano 2	SLD 8	-7651	25351	-983460	-3758	5352	-837093	-3944	15348	-142007
Piano 2	SLD 9	7651	-25351	-928441	1527	-12708	-858638	6060	-7744	-69507
Piano 2	SLD 10	7651	-25351	-928441	1527	-12708	-858638	6060	-7744	-69507
Piano 2	SLD 11	7372	26563	-979620	2563	5203	-838086	4338	16030	-136502
Piano 2	SLD 12	7372	26563	-979620	2563	5203	-838086	4338	16030	-136502
Piano 2	SLD 13	25079	-5766	-941873	9263	-6614	-852603	15119	1373	-86532
Piano 2	SLD 14	25079	-5766	-941873	9263	-6614	-852603	15119	1373	-86532
Piano 2	SLD 15	24996	9809	-957227	9574	-1240	-846438	14603	8505	-106631
Piano 2	SLD 16	24996	9809	-957227	9574	-1240	-846438	14603	8505	-106631
Piano 2	SLV 1	-62943	-24629	-954222	-28326	-9842	-851710	-32726	-7827	-104870
Piano 2	SLV 2	-62943	-24629	-954222	-28326	-9842	-851710	-32726	-7827	-104870
Piano 2	SLV 3	-63410	14511	-983652	-27643	3847	-835801	-34186	9753	-146566
Piano 2	SLV 4	-63410	14511	-983652	-27643	3847	-835801	-34186	9753	-146566
Piano 2	SLV 5	-18174	-66751	-910797	-10314	-26290	-873148	-6862	-26350	-42252
Piano 2	SLV 6	-18174	-66751	-910797	-10314	-26290	-873148	-6862	-26350	-42252
Piano 2	SLV 7	-19732	63716	-1008896	-8039	19342	-820117	-11730	32251	-181238
Piano 2	SLV 8	-19732	63716	-1008896	-8039	19342	-820117	-11730	32251	-181238
Piano 2	SLV 9	19732	-63716	-903005	5807	-26698	-875614	13847	-24647	-30275
Piano 2	SLV 10	19732	-63716	-903005	5807	-26698	-875614	13847	-24647	-30275
Piano 2	SLV 11	18174	66751	-1001104	8083	18934	-822583	8978	33954	-169261
Piano 2	SLV 12	18174	66751	-1001104	8083	18934	-822583	8978	33954	-169261
Piano 2	SLV 13	63410	-14511	-928250	25412	-11203	-859930	36303	-2150	-64948
Piano 2	SLV 14	63410	-14511	-928250	25412	-11203	-859930	36303	-2150	-64948
Piano 2	SLV 15	62943	24629	-957679	26095	2487	-844021	34842	15431	-106643
Piano 2	SLV 16	62943	24629	-957679	26095	2487	-844021	34842	15431	-106643
Piano 2	CRTFP Ux+	1	0	0	1	0	0	0	0	0
Piano 2	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
Piano 2	CRTFP Uy+	0	1	0	0	0	1	0	0	0
Piano 2	CRTFP Uy-	0	-1	0	0	0	-1	0	0	0
Piano 2	CRTFP Rz+	0	0	0	0	0	0	0	0	0
Piano 2	CRTFP Rz-	0	0	0	0	0	0	0	0	0
p.lo 3	Pesi	0	0	-483152	-381	-1077	-420935	466	2066	-61136
p.lo 3	Port.	0	0	-384138	-522	-971	-349142	565	1328	-34288
p.lo 3	Accidentali	0	0	-219339	-1	-1099	-199040	90	1359	-19738
p.lo 3	neve	0	0	-15163	-4	-31	-13461	2	150	-1638
p.lo 3	ΔT	0	0	0	-43	-100	-891	47	-366	652
p.lo 3	SLV X	54863	5057	3980	26690	4385	-5129	26395	2971	11493
p.lo 3	SLV Y	15	63013	-1176	1213	22772	14631	-1670	27433	-21748
p.lo 3	X SLD	21537	1980	1821	10467	1737	-2059	10375	1149	4822
p.lo 3	Y SLD	91	24816	-1087	545	8932	5664	-640	10879	-9074
p.lo 3	Rig Ux	1	0	0	1	0	0	0	0	0
p.lo 3	Rig Uy	0	1	0	0	0	0	0	0	0
p.lo 3	Rig Rz	0	0	0	0	0	0	0	0	0
p.lo 3	SLU 1	0	0	-790462	-799	-1854	-700249	918	3129	-88566
p.lo 3	SLU 2	0	0	-790462	-863	-2003	-701586	988	2580	-87588
p.lo 3	SLU 3	0	0	-801834	-866	-2026	-711682	990	2692	-88817
p.lo 3	SLU 4	0	0	-813206	-805	-1900	-720441	922	3354	-91023
p.lo 3	SLU 5	0	0	-813206	-843	-1990	-721243	964	3025	-90437
p.lo 3	SLU 6	0	0	-1020768	-864	-3157	-910578	1082	4006	-108313
p.lo 3	SLU 7	0	0	-1032140	-867	-3180	-920674	1084	4119	-109542
p.lo 3	SLU 8	0	0	-1043512	-806	-3054	-929433	1016	4781	-111748
p.lo 3	SLU 9	0	0	-1043512	-845	-3144	-930235	1058	4452	-111161
p.lo 3	SLU 10	0	0	-1119470	-801	-3502	-998809	1053	5167	-118173
p.lo 3	SLU 11	0	0	-1119470	-839	-3592	-999611	1095	4837	-117586
p.lo 3	SLU 12	0	0	-1130842	-804	-3525	-1008905	1055	5280	-119402
p.lo 3	SLU 13	0	0	-1130842	-842	-3615	-1009707	1097	4950	-118815
p.lo 3	SLU 14	0	0	-1059359	-1164	-2533	-944649	1314	4058	-112567
p.lo 3	SLU 15	0	0	-1059359	-1228	-2683	-945986	1384	3509	-111589
p.lo 3	SLU 16	0	0	-1070731	-1231	-2706	-956082	1386	3622	-112818
p.lo 3	SLU 17	0	0	-1082103	-1171	-2580	-964841	1318	4284	-115025
p.lo 3	SLU 18	0	0	-1082103	-1209	-2670	-965643	1360	3955	-114438
p.lo 3	SLU 19	0	0	-1289664	-1230	-3837	-1154977	1478	4936	-132314
p.lo 3	SLU 20	0	0	-1301036	-1233	-3860	-1165073	1480	5049	-133543
p.lo 3	SLU 21	0	0	-1312409	-1172	-3734	-1173833	1412	5711	-135750
p.lo 3	SLU 22	0	0	-1312409	-1210	-3824	-1174635	1454	5381	-135163
p.lo 3	SLU 23	0	0	-1388367	-1166	-4182	-1243208	1449	6097	-142174
p.lo 3	SLU 24	0	0	-1388367	-1205	-4272	-1244010	1491	5767	-141587
p.lo 3	SLU 25	0	0	-1399739	-1170	-4205	-1253305	1450	6209	-143403
p.lo 3	SLU 26	0	0	-1399739	-1208	-4295	-1254107	1492	5880	-142816
p.lo 3	SLU 27	0	0	-935407	-913	-2177	-826530	1058	3748	-106907
p.lo 3	SLU 28	0	0	-935407	-977	-2326	-827866	1128	3199	-105929
p.lo 3	SLU 29	0	0	-946780	-980	-2349	-837962	1129	3312	-107158
p.lo 3	SLU 30	0	0	-958152	-919	-2223	-846722	1061	3974	-109364
p.lo 3	SLU 31	0	0	-958152	-958	-2313	-847524	1103	3645	-108777
p.lo 3	SLU 32	0	0	-1165713	-978	-3480	-1036858	1222	4626	-126654
p.lo 3	SLU 33	0	0	-1177085	-981	-3503	-1046954	1224	4739	-127882
p.lo 3	SLU 34	0	0	-1188457	-921	-3377	-1055714	1156	5401	-130089
p.lo 3	SLU 35	0	0	-1188457	-959	-3467	-1056516	1198	5071	-129502
p.lo 3	SLU 36	0	0	-1264416	-915	-3825	-1125089	1192	5787	-136514
p.lo 3	SLU 37	0	0	-1264416	-953	-3915	-1125891	1234	5457	-135927
p.lo 3	SLU 38	0	0	-1275788	-918	-3848	-1135185	1194	5899	-137742
p.lo 3	SLU 39	0	0	-1275788	-957	-3938	-1135987	1236	5570	-137156
p.lo 3	SLU 40	0	0	-1204304	-1279	-2856	-1070929	1454	4678	-130908
p.lo 3	SLU 41	0	0	-1204304	-1343	-3006	-1072266	1523	4129	-129930
p.lo 3	SLU 42	0	0	-1215676	-1346	-3029	-1082362	1525	4242	-131159
p.lo 3	SLU 43	0	0	-1227048	-1285	-2903	-1091122	1457	4904	-133366
p.lo 3	SLU 44	0	0	-1227048	-1323	-2993	-1091924	1499	4574	-132779

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
p.lo 3	SLU 45	0	0	-1434610	-1344	-4160	-1281258	1618	5556	-150655
p.lo 3	SLU 46	0	0	-1445982	-1347	-4183	-1291354	1620	5669	-151884
p.lo 3	SLU 47	0	0	-1457354	-1286	-4057	-1300113	1552	6331	-154090
p.lo 3	SLU 48	0	0	-1457354	-1325	-4147	-1300915	1594	6001	-153504
p.lo 3	SLU 49	0	0	-1533312	-1281	-4505	-1369489	1588	6716	-160515
p.lo 3	SLU 50	0	0	-1533312	-1319	-4595	-1370291	1630	6387	-159928
p.lo 3	SLU 51	0	0	-1544684	-1284	-4528	-1379585	1590	6829	-161744
p.lo 3	SLU 52	0	0	-1544684	-1322	-4618	-1380387	1632	6500	-161157
p.lo 3	SLE RA 1	0	0	-867290	-903	-2048	-770078	1031	3394	-95424
p.lo 3	SLE RA 2	0	0	-867290	-946	-2148	-770969	1078	3028	-94772
p.lo 3	SLE RA 3	0	0	-874871	-948	-2163	-777699	1079	3103	-95591
p.lo 3	SLE RA 4	0	0	-882452	-907	-2079	-783539	1034	3545	-97062
p.lo 3	SLE RA 5	0	0	-882452	-933	-2139	-784074	1062	3325	-96671
p.lo 3	SLE RA 6	0	0	-1020827	-947	-2917	-910297	1141	3979	-108588
p.lo 3	SLE RA 7	0	0	-1028408	-949	-2932	-917027	1142	4055	-109407
p.lo 3	SLE RA 8	0	0	-1035990	-908	-2848	-922867	1096	4496	-110878
p.lo 3	SLE RA 9	0	0	-1035990	-934	-2908	-923402	1124	4276	-110487
p.lo 3	SLE RA 10	0	0	-1086628	-905	-3147	-969117	1121	4753	-115161
p.lo 3	SLE RA 11	0	0	-1086628	-930	-3207	-969652	1149	4533	-114770
p.lo 3	SLE RA 12	0	0	-1094210	-907	-3162	-975848	1122	4828	-115981
p.lo 3	SLE RA 13	0	0	-1094210	-932	-3222	-976383	1150	4609	-115589
p.lo 3	SLE FR 1	0	0	-867290	-903	-2048	-770078	1031	3394	-95424
p.lo 3	SLE FR 2	0	0	-867290	-925	-2098	-770523	1054	3211	-95098
p.lo 3	SLE FR 3	0	0	-870322	-904	-2054	-772770	1032	3424	-95751
p.lo 3	SLE FR 4	0	0	-933091	-925	-2427	-830235	1081	3619	-101019
p.lo 3	SLE FR 5	0	0	-936124	-905	-2384	-832482	1059	3832	-101673
p.lo 3	SLE FR 6	0	0	-976959	-904	-2597	-869597	1076	4074	-105292
p.lo 3	SLE QP 1	0	0	-867290	-903	-2048	-770078	1031	3394	-95424
p.lo 3	SLE QP 2	0	0	-933091	-904	-2378	-829790	1058	3802	-101345
p.lo 3	SLD 1	-21564	-9424	-934587	-11534	-6794	-829429	-9125	-611	-103444
p.lo 3	SLD 2	-21564	-9424	-934587	-11534	-6794	-829429	-9125	-611	-103444
p.lo 3	SLD 3	-21509	5465	-935239	-11207	-1435	-826031	-9509	5916	-108889
p.lo 3	SLD 4	-21509	5465	-935239	-11207	-1435	-826031	-9509	5916	-108889
p.lo 3	SLD 5	-6552	-25410	-932551	-4589	-11831	-834836	-1414	-7422	-93718
p.lo 3	SLD 6	-6552	-25410	-932551	-4589	-11831	-834836	-1414	-7422	-93718
p.lo 3	SLD 7	-6370	24222	-934725	-3499	6033	-823508	-2695	14336	-111865
p.lo 3	SLD 8	-6370	24222	-934725	-3499	6033	-823508	-2695	14336	-111865
p.lo 3	SLD 9	6370	-24222	-931458	1692	-10788	-836071	4811	-6732	-90825
p.lo 3	SLD 10	6370	-24222	-931458	1692	-10788	-836071	4811	-6732	-90825
p.lo 3	SLD 11	6552	25410	-933632	2781	7075	-824743	3530	15025	-108972
p.lo 3	SLD 12	6552	25410	-933632	2781	7075	-824743	3530	15025	-108972
p.lo 3	SLD 13	21509	-5465	-930944	9400	-3320	-833548	11626	1688	-93801
p.lo 3	SLD 14	21509	-5465	-930944	9400	-3320	-833548	11626	1688	-93801
p.lo 3	SLD 15	21564	9424	-931596	9727	2039	-830150	11241	8215	-99245
p.lo 3	SLD 16	21564	9424	-931596	9727	2039	-830150	11241	8215	-99245
p.lo 3	SLV 1	-54867	-23961	-936719	-27958	-13594	-829050	-24836	-7400	-106314
p.lo 3	SLV 2	-54867	-23961	-936719	-27958	-13594	-829050	-24836	-7400	-106314
p.lo 3	SLV 3	-54858	13847	-937424	-27230	69	-820272	-25838	9060	-119362
p.lo 3	SLV 4	-54858	13847	-937424	-27230	69	-820272	-25838	9060	-119362
p.lo 3	SLV 5	-16474	-64530	-933110	-10124	-26464	-842882	-5190	-24523	-83045
p.lo 3	SLV 6	-16474	-64530	-933110	-10124	-26464	-842882	-5190	-24523	-83045
p.lo 3	SLV 7	-16444	61496	-935461	-7698	19079	-813620	-8530	30344	-126541
p.lo 3	SLV 8	-16444	61496	-935461	-7698	19079	-813620	-8530	30344	-126541
p.lo 3	SLV 9	16444	-61496	-930722	5890	-23834	-845959	10646	-22740	-76149
p.lo 3	SLV 10	16444	-61496	-930722	5890	-23834	-845959	10646	-22740	-76149
p.lo 3	SLV 11	16474	64530	-933073	8316	21709	-816697	7307	32127	-119645
p.lo 3	SLV 12	16474	64530	-933073	8316	21709	-816697	7307	32127	-119645
p.lo 3	SLV 13	54858	-13847	-928758	25422	-4824	-839307	27954	-1457	-83327
p.lo 3	SLV 14	54858	-13847	-928758	25422	-4824	-839307	27954	-1457	-83327
p.lo 3	SLV 15	54867	23961	-929463	26150	8839	-830529	26952	15003	-96376
p.lo 3	SLV 16	54867	23961	-929463	26150	8839	-830529	26952	15003	-96376
p.lo 3	CRTFP Ux+	1	0	0	1	0	0	0	0	0
p.lo 3	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
p.lo 3	CRTFP Uy+	0	1	0	0	0	0	0	0	0
p.lo 3	CRTFP Uy-	0	-1	0	0	0	0	0	0	0
p.lo 3	CRTFP Rz+	0	0	0	0	0	0	0	0	0
p.lo 3	CRTFP Rz-	0	0	0	0	0	0	0	0	0
Piano 3	Pesi	0	0	-351866	-604	-1799	-302474	484	2568	-48535
Piano 3	Port.	0	0	-239878	-654	-1484	-216086	626	1738	-23046
Piano 3	Accidentali	0	0	-163918	-215	-1431	-148400	78	1633	-14668
Piano 3	neve	0	0	-15163	-12	-61	-13645	9	188	-1580
Piano 3	ΔT	0	0	0	-50	417	-493	54	-400	475
Piano 3	SLV X	49795	6578	-938	22205	-598	-2790	25780	4512	4505
Piano 3	SLV Y	-628	51252	15120	-238	20121	22066	-833	18760	-1180
Piano 3	X SLD	20073	2842	-489	8695	-248	-1153	10671	2037	1716
Piano 3	Y SLD	-47	20839	7765	-73	7971	8820	-149	8025	1201
Piano 3	Rig Ux	1	0	0	1	0	0	0	0	0
Piano 3	Rig Uy	0	1	0	0	0	0	0	0	0
Piano 3	Rig Rz	0	0	0	0	0	0	0	0	0
Piano 3	SLU 1	0	0	-543768	-1127	-2986	-475343	984	3958	-66972
Piano 3	SLU 2	0	0	-543768	-1201	-2360	-476082	1065	3358	-66258
Piano 3	SLU 3	0	0	-555140	-1210	-2406	-486316	1072	3499	-67443
Piano 3	SLU 4	0	0	-566512	-1145	-3078	-495810	998	4240	-69341
Piano 3	SLU 5	0	0	-566512	-1190	-2702	-496254	1046	3880	-68913
Piano 3	SLU 6	0	0	-715882	-1427	-3863	-631902	1147	5073	-81660
Piano 3	SLU 7	0	0	-727254	-1436	-3909	-642136	1154	5214	-82845
Piano 3	SLU 8	0	0	-738626	-1371	-4581	-651631	1080	5954	-84743
Piano 3	SLU 9	0	0	-738626	-1416	-4205	-652074	1128	5594	-84315
Piano 3	SLU 10	0	0	-789644	-1450	-5133	-697943	1102	6407	-88974
Piano 3	SLU 11	0	0	-789644	-1494	-4758	-698387	1150	6048	-88546
Piano 3	SLU 12	0	0	-801017	-1459	-5179	-708177	1108	6548	-90159
Piano 3	SLU 13	0	0	-801017	-1504	-4803	-708621	1157	6188	-89731
Piano 3	SLU 14	0	0	-711683	-1584	-4025	-626603	1422	5175	-83104
Piano 3	SLU 15	0	0	-711683	-1659	-3399	-627342	1503	4575	-82390
Piano 3	SLU 16	0	0	-723055	-1668	-3445	-637576	1510	4716	-83575
Piano 3	SLU 17	0	0	-734427	-1603	-4117	-647071	1436	5456	-85473
Piano 3	SLU 18	0	0	-734427	-1647	-3741	-647514	1484	5096	-85045
Piano 3	SLU 19	0	0	-883796	-1885	-4902	-783162	1585	6289	-97792

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Piano 3	SLU 20	0	0	-895168	-1894	-4948	-793396	1592	6430	-98977
Piano 3	SLU 21	0	0	-906540	-1829	-5620	-802891	1518	7171	-100875
Piano 3	SLU 22	0	0	-906540	-1873	-5244	-803334	1567	6811	-100447
Piano 3	SLU 23	0	0	-957559	-1907	-6172	-849204	1540	7624	-105106
Piano 3	SLU 24	0	0	-957559	-1952	-5796	-849647	1588	7264	-104678
Piano 3	SLU 25	0	0	-968931	-1916	-6218	-859437	1546	7765	-106291
Piano 3	SLU 26	0	0	-968931	-1961	-5842	-859881	1595	7405	-105863
Piano 3	SLU 27	0	0	-649328	-1308	-3526	-566085	1129	4728	-81532
Piano 3	SLU 28	0	0	-649328	-1382	-2900	-566824	1210	4129	-80819
Piano 3	SLU 29	0	0	-660700	-1391	-2946	-577058	1217	4269	-82004
Piano 3	SLU 30	0	0	-672072	-1326	-3618	-586553	1143	5010	-83902
Piano 3	SLU 31	0	0	-672072	-1371	-3242	-586996	1191	4650	-83474
Piano 3	SLU 32	0	0	-821441	-1608	-4403	-722644	1292	5843	-96221
Piano 3	SLU 33	0	0	-832814	-1618	-4448	-732878	1299	5984	-97405
Piano 3	SLU 34	0	0	-844186	-1552	-5120	-742373	1225	6724	-99303
Piano 3	SLU 35	0	0	-844186	-1597	-4745	-742817	1274	6365	-98875
Piano 3	SLU 36	0	0	-895204	-1631	-5673	-788686	1247	7178	-103535
Piano 3	SLU 37	0	0	-895204	-1675	-5297	-789129	1295	6818	-103107
Piano 3	SLU 38	0	0	-906576	-1640	-5719	-798919	1253	7318	-104719
Piano 3	SLU 39	0	0	-906576	-1685	-5343	-799363	1302	6959	-104292
Piano 3	SLU 40	0	0	-817242	-1765	-4565	-717345	1567	5945	-97664
Piano 3	SLU 41	0	0	-817242	-1840	-3939	-718084	1648	5345	-96951
Piano 3	SLU 42	0	0	-828614	-1849	-3985	-728318	1655	5486	-98136
Piano 3	SLU 43	0	0	-839987	-1784	-4657	-737813	1581	6226	-100034
Piano 3	SLU 44	0	0	-839987	-1828	-4281	-738256	1629	5867	-99606
Piano 3	SLU 45	0	0	-989356	-2066	-5442	-873905	1730	7060	-112353
Piano 3	SLU 46	0	0	-1000728	-2075	-5487	-884138	1737	7200	-113538
Piano 3	SLU 47	0	0	-1012100	-2010	-6159	-893633	1663	7941	-115435
Piano 3	SLU 48	0	0	-1012100	-2054	-5784	-894077	1712	7581	-115008
Piano 3	SLU 49	0	0	-1063119	-2088	-6712	-939946	1685	8394	-119667
Piano 3	SLU 50	0	0	-1063119	-2133	-6336	-940389	1733	8034	-119239
Piano 3	SLU 51	0	0	-1074491	-2097	-6758	-950180	1692	8535	-120851
Piano 3	SLU 52	0	0	-1074491	-2142	-6382	-950623	1740	8175	-120424
Piano 3	SLE RA 1	0	0	-591744	-1257	-3283	-518560	1109	4306	-71581
Piano 3	SLE RA 2	0	0	-591744	-1307	-2866	-519053	1163	3906	-71105
Piano 3	SLE RA 3	0	0	-599325	-1313	-2896	-525875	1168	4000	-71895
Piano 3	SLE RA 4	0	0	-606907	-1270	-3344	-532205	1118	4493	-73160
Piano 3	SLE RA 5	0	0	-606907	-1299	-3094	-532501	1151	4253	-72875
Piano 3	SLE RA 6	0	0	-706486	-1458	-3868	-622933	1218	5049	-81373
Piano 3	SLE RA 7	0	0	-714067	-1464	-3898	-629756	1223	5143	-82163
Piano 3	SLE RA 8	0	0	-721649	-1420	-4346	-636085	1173	5636	-83428
Piano 3	SLE RA 9	0	0	-721649	-1450	-4096	-636381	1206	5396	-83143
Piano 3	SLE RA 10	0	0	-755661	-1473	-4715	-666960	1188	5939	-86249
Piano 3	SLE RA 11	0	0	-755661	-1503	-4464	-667256	1220	5699	-85964
Piano 3	SLE RA 12	0	0	-763243	-1479	-4745	-673783	1192	6032	-87039
Piano 3	SLE RA 13	0	0	-763243	-1509	-4495	-674079	1225	5792	-86754
Piano 3	SLE FR 1	0	0	-591744	-1257	-3283	-518560	1109	4306	-71581
Piano 3	SLE FR 2	0	0	-591744	-1282	-3075	-518806	1136	4106	-71343
Piano 3	SLE FR 3	0	0	-594776	-1260	-3296	-521289	1111	4343	-71897
Piano 3	SLE FR 4	0	0	-640919	-1347	-3504	-563326	1160	4596	-75744
Piano 3	SLE FR 5	0	0	-643952	-1324	-3725	-565809	1135	4833	-76297
Piano 3	SLE FR 6	0	0	-673703	-1365	-3999	-592760	1149	5122	-78915
Piano 3	SLE QP 1	0	0	-591744	-1257	-3283	-518560	1109	4306	-71581
Piano 3	SLE QP 2	0	0	-640919	-1322	-3713	-563080	1133	4796	-75981
Piano 3	SLD 1	-20059	-9094	-642759	-9995	-5856	-564573	-9494	351	-78058
Piano 3	SLD 2	-20059	-9094	-642759	-9995	-5856	-564573	-9494	351	-78058
Piano 3	SLD 3	-20087	3410	-638100	-10039	-1073	-559281	-9583	5166	-77337
Piano 3	SLD 4	-20087	3410	-638100	-10039	-1073	-559281	-9583	5166	-77337
Piano 3	SLD 5	-5975	-21692	-648537	-3857	-11609	-571554	-1920	-3840	-77698
Piano 3	SLD 6	-5975	-21692	-648537	-3857	-11609	-571554	-1920	-3840	-77698
Piano 3	SLD 7	-6069	19987	-633007	-4004	4332	-553914	-2217	12209	-75295
Piano 3	SLD 8	-6069	19987	-633007	-4004	4332	-553914	-2217	12209	-75295
Piano 3	SLD 9	6069	-19987	-648831	1360	-11758	-572246	4483	-2618	-76668
Piano 3	SLD 10	6069	-19987	-648831	1360	-11758	-572246	4483	-2618	-76668
Piano 3	SLD 11	5975	21692	-633301	1213	4183	-554606	4185	13431	-74265
Piano 3	SLD 12	5975	21692	-633301	1213	4183	-554606	4185	13431	-74265
Piano 3	SLD 13	20087	-3410	-643738	7395	-6352	-566879	11849	4425	-74625
Piano 3	SLD 14	20087	-3410	-643738	7395	-6352	-566879	11849	4425	-74625
Piano 3	SLD 15	20059	9094	-639079	7351	-1570	-561587	11759	9240	-73904
Piano 3	SLD 16	20059	9094	-639079	7351	-1570	-561587	11759	9240	-73904
Piano 3	SLV 1	-49607	-21954	-644517	-23456	-9151	-566910	-24398	-5345	-80133
Piano 3	SLV 2	-49607	-21954	-644517	-23456	-9151	-566910	-24398	-5345	-80133
Piano 3	SLV 3	-49984	8798	-635445	-23599	2921	-553670	-24897	5911	-80841
Piano 3	SLV 4	-49984	8798	-635445	-23599	2921	-553670	-24897	5911	-80841
Piano 3	SLV 5	-14310	-53225	-655757	-7745	-23654	-584309	-5768	-15318	-76153
Piano 3	SLV 6	-14310	-53225	-655757	-7745	-23654	-584309	-5768	-15318	-76153
Piano 3	SLV 7	-15567	49278	-625518	-8222	16587	-540177	-7434	22201	-78513
Piano 3	SLV 8	-15567	49278	-625518	-8222	16587	-540177	-7434	22201	-78513
Piano 3	SLV 9	15567	-49278	-656320	5578	-24013	-585983	9700	-12610	-73450
Piano 3	SLV 10	15567	-49278	-656320	5578	-24013	-585983	9700	-12610	-73450
Piano 3	SLV 11	14310	53225	-626081	5101	16228	-541851	8034	24909	-75809
Piano 3	SLV 12	14310	53225	-626081	5101	16228	-541851	8034	24909	-75809
Piano 3	SLV 13	49984	-8798	-646393	20955	-10347	-572490	27163	3680	-71122
Piano 3	SLV 14	49984	-8798	-646393	20955	-10347	-572490	27163	3680	-71122
Piano 3	SLV 15	49607	21954	-637321	20812	1726	-559250	26663	14936	-71830
Piano 3	SLV 16	49607	21954	-637321	20812	1726	-559250	26663	14936	-71830
Piano 3	CRTFP Ux+	1	0	0	1	0	0	0	0	0
Piano 3	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
Piano 3	CRTFP Uy+	0	1	0	0	0	0	0	0	0
Piano 3	CRTFP Uy-	0	-1	0	0	0	0	0	0	0
Piano 3	CRTFP Rz+	0	0	0	0	0	0	0	0	0
Piano 3	CRTFP Rz-	0	0	0	0	0	0	0	0	0
p.lo 4	Pesi	0	0	-333553	-376	-1466	-288049	484	2568	-44380
p.lo 4	Port.	0	0	-237301	-570	-1307	-213525	626	1738	-23046
p.lo 4	Accidentali	0	0	-160921	31	-1288	-145653	78	1633	-14668
p.lo 4	neve	0	0	-15163	-10	-40	-13505	9	188	-1580
p.lo 4	ΔT	0	0	0	-51	2	-683	54	-400	475
p.lo 4	SLV X	42667	1189	6308	22228	993	-2908	18938	2386	11486

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
p.lo 4	SLV Y	-609	51223	5223	-78	20537	11041	-940	19172	-11147
p.lo 4	X SLD	17077	480	2985	8705	378	-1183	7787	985	5086
p.lo 4	Y SLD	-252	21022	2759	-16	8123	4505	-399	8365	-3846
p.lo 4	Rig Ux	1	0	0	1	0	0	0	0	0
p.lo 4	Rig Uy	0	1	0	0	0	0	0	0	0
p.lo 4	Rig Rz	0	0	0	0	0	0	0	0	0
p.lo 4	SLU 1	0	0	-523394	-832	-2512	-458869	984	3958	-62817
p.lo 4	SLU 2	0	0	-523394	-908	-2509	-459893	1065	3358	-62104
p.lo 4	SLU 3	0	0	-534766	-916	-2539	-470022	1072	3499	-63288
p.lo 4	SLU 4	0	0	-546138	-846	-2571	-479126	998	4240	-65186
p.lo 4	SLU 5	0	0	-546138	-892	-2570	-479741	1046	3880	-64758
p.lo 4	SLU 6	0	0	-692361	-875	-3862	-612829	1147	5073	-77505
p.lo 4	SLU 7	0	0	-703733	-883	-3892	-622957	1154	5214	-78690
p.lo 4	SLU 8	0	0	-715105	-814	-3924	-632062	1080	5954	-80588
p.lo 4	SLU 9	0	0	-715105	-860	-3923	-632676	1128	5594	-80160
p.lo 4	SLU 10	0	0	-764775	-785	-4444	-677348	1102	6407	-84819
p.lo 4	SLU 11	0	0	-764775	-831	-4443	-677963	1150	6048	-84391
p.lo 4	SLU 12	0	0	-776147	-792	-4474	-687477	1108	6548	-86004
p.lo 4	SLU 13	0	0	-776147	-838	-4473	-688091	1157	6188	-85576
p.lo 4	SLU 14	0	0	-689504	-1231	-3427	-608336	1422	5175	-78949
p.lo 4	SLU 15	0	0	-689504	-1307	-3425	-609361	1503	4575	-78236
p.lo 4	SLU 16	0	0	-700877	-1315	-3454	-619489	1510	4716	-79420
p.lo 4	SLU 17	0	0	-712249	-1245	-3486	-628594	1436	5456	-81318
p.lo 4	SLU 18	0	0	-712249	-1291	-3485	-629208	1484	5096	-80890
p.lo 4	SLU 19	0	0	-858471	-1274	-4777	-762296	1585	6289	-93637
p.lo 4	SLU 20	0	0	-869843	-1282	-4807	-772425	1592	6430	-94822
p.lo 4	SLU 21	0	0	-881216	-1212	-4839	-781529	1518	7171	-96720
p.lo 4	SLU 22	0	0	-881216	-1258	-4838	-782144	1567	6811	-96292
p.lo 4	SLU 23	0	0	-930886	-1184	-5360	-826816	1540	7624	-100951
p.lo 4	SLU 24	0	0	-930886	-1230	-5358	-827430	1588	7264	-100524
p.lo 4	SLU 25	0	0	-942258	-1191	-5389	-836944	1546	7765	-102136
p.lo 4	SLU 26	0	0	-942258	-1237	-5388	-837559	1595	7405	-101708
p.lo 4	SLU 27	0	0	-623460	-944	-2951	-545283	1129	4728	-76131
p.lo 4	SLU 28	0	0	-623460	-1021	-2949	-546308	1210	4129	-75418
p.lo 4	SLU 29	0	0	-634832	-1028	-2979	-556436	1217	4269	-76602
p.lo 4	SLU 30	0	0	-646204	-959	-3011	-565541	1143	5010	-78500
p.lo 4	SLU 31	0	0	-646204	-1005	-3010	-566155	1191	4650	-78072
p.lo 4	SLU 32	0	0	-792427	-988	-4302	-699243	1292	5843	-90819
p.lo 4	SLU 33	0	0	-803799	-996	-4332	-709372	1299	5984	-92004
p.lo 4	SLU 34	0	0	-815171	-926	-4364	-718476	1225	6724	-93902
p.lo 4	SLU 35	0	0	-815171	-972	-4362	-719091	1274	6365	-93474
p.lo 4	SLU 36	0	0	-864841	-897	-4884	-763763	1247	7178	-98133
p.lo 4	SLU 37	0	0	-864841	-943	-4883	-764377	1295	6818	-97706
p.lo 4	SLU 38	0	0	-876213	-905	-4914	-773891	1253	7318	-99318
p.lo 4	SLU 39	0	0	-876213	-951	-4913	-774506	1302	6959	-98890
p.lo 4	SLU 40	0	0	-789570	-1343	-3867	-694751	1567	5945	-92263
p.lo 4	SLU 41	0	0	-789570	-1420	-3864	-695775	1648	5345	-91550
p.lo 4	SLU 42	0	0	-800943	-1427	-3894	-705904	1655	5486	-92734
p.lo 4	SLU 43	0	0	-812315	-1358	-3926	-715008	1581	6226	-94632
p.lo 4	SLU 44	0	0	-812315	-1404	-3925	-715623	1629	5867	-94204
p.lo 4	SLU 45	0	0	-958537	-1387	-5217	-848711	1730	7060	-106952
p.lo 4	SLU 46	0	0	-969909	-1394	-5247	-858840	1737	7200	-108136
p.lo 4	SLU 47	0	0	-981281	-1325	-5279	-867944	1663	7941	-110034
p.lo 4	SLU 48	0	0	-981281	-1371	-5278	-868559	1712	7581	-109606
p.lo 4	SLU 49	0	0	-1030952	-1296	-5799	-913230	1685	8394	-114266
p.lo 4	SLU 50	0	0	-1030952	-1342	-5798	-913845	1733	8034	-113838
p.lo 4	SLU 51	0	0	-1042324	-1304	-5829	-923359	1692	8535	-115450
p.lo 4	SLU 52	0	0	-1042324	-1350	-5828	-923974	1740	8175	-115022
p.lo 4	SLE RA 1	0	0	-570854	-946	-2773	-501574	1109	4306	-67426
p.lo 4	SLE RA 2	0	0	-570854	-997	-2772	-502257	1163	3906	-66951
p.lo 4	SLE RA 3	0	0	-578435	-1002	-2791	-509009	1168	4000	-67740
p.lo 4	SLE RA 4	0	0	-586017	-955	-2813	-515079	1118	4493	-69006
p.lo 4	SLE RA 5	0	0	-586017	-986	-2812	-515489	1151	4253	-68720
p.lo 4	SLE RA 6	0	0	-683499	-975	-3674	-604214	1218	5049	-77218
p.lo 4	SLE RA 7	0	0	-691080	-980	-3693	-610966	1223	5143	-78008
p.lo 4	SLE RA 8	0	0	-698661	-934	-3715	-617036	1173	5636	-79274
p.lo 4	SLE RA 9	0	0	-698661	-964	-3714	-617446	1206	5396	-78988
p.lo 4	SLE RA 10	0	0	-731775	-914	-4062	-647227	1188	5939	-82094
p.lo 4	SLE RA 11	0	0	-731775	-945	-4061	-647636	1220	5699	-81809
p.lo 4	SLE RA 12	0	0	-739356	-919	-4081	-653979	1192	6032	-82884
p.lo 4	SLE RA 13	0	0	-739356	-950	-4081	-654389	1225	5792	-82599
p.lo 4	SLE FR 1	0	0	-570854	-946	-2773	-501574	1109	4306	-67426
p.lo 4	SLE FR 2	0	0	-570854	-971	-2772	-501915	1136	4106	-67188
p.lo 4	SLE FR 3	0	0	-573887	-948	-2781	-504275	1111	4343	-67742
p.lo 4	SLE FR 4	0	0	-619130	-962	-3159	-545611	1160	4596	-71589
p.lo 4	SLE FR 5	0	0	-622163	-938	-3168	-547971	1135	4833	-72142
p.lo 4	SLE FR 6	0	0	-651314	-930	-3417	-574400	1149	5122	-74760
p.lo 4	SLE QP 1	0	0	-570854	-946	-2773	-501574	1109	4306	-67426
p.lo 4	SLE QP 2	0	0	-619130	-936	-3160	-545270	1133	4796	-71826
p.lo 4	SLD 1	-17001	-6786	-622943	-9636	-5975	-545438	-6534	1301	-75758
p.lo 4	SLD 2	-17001	-6786	-622943	-9636	-5975	-545438	-6534	1301	-75758
p.lo 4	SLD 3	-17153	5827	-621288	-9646	-1101	-542735	-6773	6320	-78066
p.lo 4	SLD 4	-17153	5827	-621288	-9646	-1101	-542735	-6773	6320	-78066
p.lo 4	SLD 5	-4871	-21166	-622784	-3532	-11396	-549420	-805	-3865	-69506
p.lo 4	SLD 6	-4871	-21166	-622784	-3532	-11396	-549420	-805	-3865	-69506
p.lo 4	SLD 7	-5375	20878	-617267	-3563	4850	-540409	-1602	12865	-77198
p.lo 4	SLD 8	-5375	20878	-617267	-3563	4850	-540409	-1602	12865	-77198
p.lo 4	SLD 9	5375	-20878	-620993	1691	-11169	-550130	3867	-3274	-66455
p.lo 4	SLD 10	5375	-20878	-620993	1691	-11169	-550130	3867	-3274	-66455
p.lo 4	SLD 11	4871	21166	-615476	1659	5077	-541119	3070	13456	-74147
p.lo 4	SLD 12	4871	21166	-615476	1659	5077	-541119	3070	13456	-74147
p.lo 4	SLD 13	17153	-5827	-616973	7773	-5218	-547804	9039	3271	-65587
p.lo 4	SLD 14	17153	-5827	-616973	7773	-5218	-547804	9039	3271	-65587
p.lo 4	SLD 15	17001	6786	-615318	7764	-344	-545101	8800	8290	-67895
p.lo 4	SLD 16	17001	6786	-615318	7764	-344	-545101	8800	8290	-67895
p.lo 4	SLV 1	-42484	-16556	-627005	-23141	-10314	-545674	-17524	-3342	-79968
p.lo 4	SLV 2	-42484	-16556	-627005	-23141	-10314	-545674	-17524	-3342	-79968
p.lo 4	SLV 3	-42849	14178	-623872	-23188	2008	-539050	-18087	8161	-86656

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
p.lo 4	SLV 4	-42849	14178	-623872	-23188	2008	-539050	-18087	8161	-86656
p.lo 4	SLV 5	-12191	-51579	-626245	-7526	-23995	-555438	-3609	-15092	-64125
p.lo 4	SLV 6	-12191	-51579	-626245	-7526	-23995	-555438	-3609	-15092	-64125
p.lo 4	SLV 7	-13409	50866	-615800	-7683	17080	-533357	-5488	23251	-86419
p.lo 4	SLV 8	-13409	50866	-615800	-7683	17080	-533357	-5488	23251	-86419
p.lo 4	SLV 9	13409	-50866	-622461	5811	-23399	-557183	7754	-13660	-57234
p.lo 4	SLV 10	13409	-50866	-622461	5811	-23399	-557183	7754	-13660	-57234
p.lo 4	SLV 11	12191	51579	-612015	5654	17676	-535101	5875	24683	-79528
p.lo 4	SLV 12	12191	51579	-612015	5654	17676	-535101	5875	24683	-79528
p.lo 4	SLV 13	42849	-14178	-614389	21315	-8328	-551490	20353	1431	-56997
p.lo 4	SLV 14	42849	-14178	-614389	21315	-8328	-551490	20353	1431	-56997
p.lo 4	SLV 15	42484	16556	-611256	21268	3995	-544865	19789	12933	-63685
p.lo 4	SLV 16	42484	16556	-611256	21268	3995	-544865	19789	12933	-63685
p.lo 4	CRTFP Ux+	1	0	0	1	0	0	0	0	0
p.lo 4	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
p.lo 4	CRTFP Uy+	0	1	0	0	0	0	0	0	0
p.lo 4	CRTFP Uy-	0	-1	0	0	0	0	0	0	0
p.lo 4	CRTFP Rz+	0	0	0	0	0	0	0	0	0
p.lo 4	CRTFP Rz-	0	0	0	0	0	0	0	0	0
Piano 4	Pesi	0	0	-204197	-545	-3569	-172400	449	4432	-31019
Piano 4	Port.	0	0	-93462	-652	-2396	-82426	649	2812	-10418
Piano 4	Accidentali	0	0	-106585	-237	-2818	-96502	115	3068	-9283
Piano 4	neve	0	0	-15163	24	-197	-13727	-26	341	-1507
Piano 4	ΔT	0	0	0	-77	461	-320	81	-410	288
Piano 4	SLV X	24994	-4013	2629	21639	-1632	-3511	1936	427	4712
Piano 4	SLV Y	150	23777	7593	-763	20785	15127	565	-7984	-2344
Piano 4	X SLD	9643	-1668	978	8510	-653	-1491	578	118	1897
Piano 4	Y SLD	138	8990	4166	-256	8354	6070	258	-3696	145
Piano 4	Rig Ux	1	0	0	1	0	0	0	0	0
Piano 4	Rig Uy	0	1	0	0	0	0	0	0	0
Piano 4	Rig Rz	0	0	0	0	0	0	0	0	0
Piano 4	SLU 1	0	0	-278967	-1066	-5485	-238341	968	6681	-39354
Piano 4	SLU 2	0	0	-278967	-1182	-4794	-238820	1089	6066	-38922
Piano 4	SLU 3	0	0	-290339	-1164	-4942	-249115	1069	6321	-40052
Piano 4	SLU 4	0	0	-301711	-1030	-5781	-258931	928	7192	-41614
Piano 4	SLU 5	0	0	-301711	-1099	-5366	-259219	1001	6823	-41355
Piano 4	SLU 6	0	0	-390881	-1430	-7753	-340147	1209	9288	-48668
Piano 4	SLU 7	0	0	-402253	-1412	-7901	-350442	1190	9543	-49799
Piano 4	SLU 8	0	0	-413625	-1279	-8740	-360258	1049	10414	-51361
Piano 4	SLU 9	0	0	-413625	-1348	-8325	-360546	1121	10045	-51102
Piano 4	SLU 10	0	0	-438844	-1421	-9712	-383093	1140	11284	-53278
Piano 4	SLU 11	0	0	-438844	-1491	-9297	-383381	1213	10915	-53018
Piano 4	SLU 12	0	0	-450217	-1403	-9860	-393388	1120	11539	-54408
Piano 4	SLU 13	0	0	-450217	-1473	-9445	-393676	1193	11170	-54149
Piano 4	SLU 14	0	0	-344391	-1522	-7162	-296039	1422	8650	-46647
Piano 4	SLU 15	0	0	-344391	-1638	-6471	-296518	1543	8034	-46215
Piano 4	SLU 16	0	0	-355763	-1620	-6619	-306813	1523	8290	-47345
Piano 4	SLU 17	0	0	-367135	-1486	-7458	-316629	1383	9161	-48907
Piano 4	SLU 18	0	0	-367135	-1555	-7043	-316917	1455	8791	-48648
Piano 4	SLU 19	0	0	-456305	-1886	-9430	-397845	1664	11256	-55961
Piano 4	SLU 20	0	0	-467677	-1868	-9578	-408140	1644	11512	-57091
Piano 4	SLU 21	0	0	-479049	-1735	-10417	-417956	1503	12383	-58654
Piano 4	SLU 22	0	0	-479049	-1804	-10002	-418244	1576	12013	-58394
Piano 4	SLU 23	0	0	-504268	-1878	-11389	-440791	1594	13252	-60571
Piano 4	SLU 24	0	0	-504268	-1947	-10974	-441079	1667	12883	-60311
Piano 4	SLU 25	0	0	-515640	-1859	-11537	-451087	1575	13508	-61701
Piano 4	SLU 26	0	0	-515640	-1929	-11122	-451374	1647	13139	-61441
Piano 4	SLU 27	0	0	-340226	-1230	-6556	-290061	1103	8011	-48659
Piano 4	SLU 28	0	0	-340226	-1345	-5865	-290540	1223	7395	-48227
Piano 4	SLU 29	0	0	-351598	-1327	-6013	-300835	1204	7651	-49358
Piano 4	SLU 30	0	0	-362970	-1194	-6852	-310651	1063	8522	-50920
Piano 4	SLU 31	0	0	-362970	-1263	-6437	-310939	1136	8152	-50660
Piano 4	SLU 32	0	0	-452140	-1594	-8824	-391867	1344	10617	-57974
Piano 4	SLU 33	0	0	-463513	-1576	-8971	-402162	1324	10873	-59104
Piano 4	SLU 34	0	0	-474885	-1442	-9810	-411978	1183	11744	-60666
Piano 4	SLU 35	0	0	-474885	-1511	-9396	-412265	1256	11374	-60407
Piano 4	SLU 36	0	0	-500104	-1585	-10783	-434813	1275	12613	-62583
Piano 4	SLU 37	0	0	-500104	-1654	-10368	-435101	1347	12244	-62324
Piano 4	SLU 38	0	0	-511476	-1567	-10931	-445108	1255	12869	-63713
Piano 4	SLU 39	0	0	-511476	-1636	-10516	-445396	1327	12500	-63454
Piano 4	SLU 40	0	0	-405650	-1686	-8233	-347759	1557	9979	-55952
Piano 4	SLU 41	0	0	-405650	-1801	-7542	-348238	1678	9364	-55520
Piano 4	SLU 42	0	0	-417022	-1783	-7689	-358533	1658	9619	-56650
Piano 4	SLU 43	0	0	-428394	-1650	-8529	-368349	1517	10490	-58213
Piano 4	SLU 44	0	0	-428394	-1719	-8114	-368637	1590	10121	-57953
Piano 4	SLU 45	0	0	-517564	-2050	-10500	-449565	1798	12585	-65267
Piano 4	SLU 46	0	0	-528936	-2032	-10648	-459860	1779	12841	-66397
Piano 4	SLU 47	0	0	-540308	-1898	-11487	-469676	1638	13712	-67959
Piano 4	SLU 48	0	0	-540308	-1968	-11073	-469964	1710	13343	-67700
Piano 4	SLU 49	0	0	-565527	-2041	-12460	-492511	1729	14582	-69876
Piano 4	SLU 50	0	0	-565527	-2110	-12045	-492799	1802	14213	-69617
Piano 4	SLU 51	0	0	-576899	-2023	-12608	-502806	1709	14837	-71006
Piano 4	SLU 52	0	0	-576899	-2092	-12193	-503094	1782	14468	-70747
Piano 4	SLE RA 1	0	0	-297660	-1197	-5964	-254826	1098	7244	-41437
Piano 4	SLE RA 2	0	0	-297660	-1274	-5504	-255145	1178	6833	-41149
Piano 4	SLE RA 3	0	0	-305241	-1261	-5602	-262009	1165	7004	-41903
Piano 4	SLE RA 4	0	0	-312822	-1173	-6162	-268553	1071	7584	-42944
Piano 4	SLE RA 5	0	0	-312822	-1219	-5885	-268745	1120	7338	-42771
Piano 4	SLE RA 6	0	0	-372269	-1439	-7476	-322697	1259	8981	-47647
Piano 4	SLE RA 7	0	0	-379850	-1427	-7575	-329560	1245	9152	-48401
Piano 4	SLE RA 8	0	0	-387432	-1338	-8134	-336104	1152	9732	-49442
Piano 4	SLE RA 9	0	0	-387432	-1384	-7858	-336296	1200	9486	-49269
Piano 4	SLE RA 10	0	0	-404244	-1433	-8782	-351328	1213	10312	-50720
Piano 4	SLE RA 11	0	0	-404244	-1480	-8506	-351519	1261	10066	-50547
Piano 4	SLE RA 12	0	0	-411826	-1421	-8881	-358191	1199	10482	-51473
Piano 4	SLE RA 13	0	0	-411826	-1467	-8604	-358383	1248	10236	-51301
Piano 4	SLE FR 1	0	0	-297660	-1197	-5964	-254826	1098	7244	-41437
Piano 4	SLE FR 2	0	0	-297660	-1235	-5734	-254986	1138	7038	-41293

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Piano 4	SLE FR 3	0	0	-300692	-1192	-6004	-257571	1092	7312	-41739
Piano 4	SLE FR 4	0	0	-329635	-1306	-6579	-283936	1173	7959	-44078
Piano 4	SLE FR 5	0	0	-332668	-1263	-6849	-286522	1127	8232	-44524
Piano 4	SLE FR 6	0	0	-350952	-1315	-7373	-303077	1155	8778	-46079
Piano 4	SLE QP 1	0	0	-297660	-1197	-5964	-254826	1098	7244	-41437
Piano 4	SLE QP 2	0	0	-329635	-1268	-6810	-283776	1132	8164	-44222
Piano 4	SLD 1	-9684	-1029	-331863	-9701	-8664	-284107	477	9155	-46162
Piano 4	SLD 2	-9684	-1029	-331863	-9701	-8664	-284107	477	9155	-46162
Piano 4	SLD 3	-9601	4365	-329363	-9854	-3651	-280465	632	6938	-46076
Piano 4	SLD 4	-9601	4365	-329363	-9854	-3651	-280465	632	6938	-46076
Piano 4	SLD 5	-3031	-8490	-334095	-3565	-14968	-289399	701	11825	-44936
Piano 4	SLD 6	-3031	-8490	-334095	-3565	-14968	-289399	701	11825	-44936
Piano 4	SLD 7	-2755	9491	-325762	-4077	1740	-277259	1216	4433	-44647
Piano 4	SLD 8	-2755	9491	-325762	-4077	1740	-277259	1216	4433	-44647
Piano 4	SLD 9	2755	-9491	-333508	1541	-15360	-290293	1048	11896	-43798
Piano 4	SLD 10	2755	-9491	-333508	1541	-15360	-290293	1048	11896	-43798
Piano 4	SLD 11	3031	8490	-325175	1029	1349	-278154	1563	4503	-43509
Piano 4	SLD 12	3031	8490	-325175	1029	1349	-278154	1563	4503	-43509
Piano 4	SLD 13	9601	-4365	-329907	7319	-9969	-287088	1633	9391	-42369
Piano 4	SLD 14	9601	-4365	-329907	7319	-9969	-287088	1633	9391	-42369
Piano 4	SLD 15	9684	1029	-327407	7165	-4956	-283446	1787	7173	-42282
Piano 4	SLD 16	9684	1029	-327407	7165	-4956	-283446	1787	7173	-42282
Piano 4	SLV 1	-25039	-3121	-334542	-22678	-11414	-284804	-973	10132	-48231
Piano 4	SLV 2	-25039	-3121	-334542	-22678	-11414	-284804	-973	10132	-48231
Piano 4	SLV 3	-24949	11146	-329986	-23136	1057	-275727	-634	5342	-49637
Piano 4	SLV 4	-24949	11146	-329986	-23136	1057	-275727	-634	5342	-49637
Piano 4	SLV 5	-7648	-22573	-338017	-6996	-27105	-297850	-14	16020	-43292
Piano 4	SLV 6	-7648	-22573	-338017	-6996	-27105	-297850	-14	16020	-43292
Piano 4	SLV 7	-7349	24981	-322830	-8523	14465	-267596	1117	52	-47979
Piano 4	SLV 8	-7349	24981	-322830	-8523	14465	-267596	1117	52	-47979
Piano 4	SLV 9	7349	-24981	-336440	5987	-28084	-299957	1148	16276	-40465
Piano 4	SLV 10	7349	-24981	-336440	5987	-28084	-299957	1148	16276	-40465
Piano 4	SLV 11	7648	22573	-321253	4461	13486	-269702	2278	309	-45152
Piano 4	SLV 12	7648	22573	-321253	4461	13486	-269702	2278	309	-45152
Piano 4	SLV 13	24949	-11146	-329284	20600	-14677	-291825	2898	10987	-38807
Piano 4	SLV 14	24949	-11146	-329284	20600	-14677	-291825	2898	10987	-38807
Piano 4	SLV 15	25039	3121	-324728	20142	-2206	-282749	3237	6197	-40213
Piano 4	SLV 16	25039	3121	-324728	20142	-2206	-282749	3237	6197	-40213
Piano 4	CRTFP Ux+	1	0	0	1	0	0	0	0	0
Piano 4	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
Piano 4	CRTFP Uy+	0	1	0	0	0	0	0	0	0
Piano 4	CRTFP Uy-	0	-1	0	0	0	0	0	0	0
Piano 4	CRTFP Rz+	0	0	0	0	0	0	0	0	0
Piano 4	CRTFP Rz-	0	0	0	0	0	0	0	0	0
p.lo 5	Pesi	0	0	-186028	-395	-3096	-157791	449	4432	-27007
p.lo 5	Port.	0	0	-90886	-596	-2322	-79787	649	2812	-10418
p.lo 5	Accidentali	0	0	-103588	-72	-2669	-93667	115	3068	-9283
p.lo 5	neve	0	0	-15163	25	-122	-13547	-26	341	-1507
p.lo 5	ΔT	0	0	0	-76	48	-476	81	-410	288
p.lo 5	SLV X	14997	-2438	-841	21469	-2693	-3368	-7569	2103	4477
p.lo 5	SLV Y	155	21986	2616	-692	21390	4904	574	-9150	-6717
p.lo 5	X SLD	5160	-878	-363	8443	-1098	-1398	-3712	978	1837
p.lo 5	Y SLD	143	8181	1356	-227	8579	1958	262	-4261	-2358
p.lo 5	Rig Ux	1	0	0	1	0	0	0	0	0
p.lo 5	Rig Uy	0	1	0	0	0	0	0	0	0
p.lo 5	Rig Rz	0	0	0	0	0	0	0	0	0
p.lo 5	SLU 1	0	0	-258736	-871	-4954	-221620	968	6681	-35342
p.lo 5	SLU 2	0	0	-258736	-985	-4882	-222335	1089	6066	-34910
p.lo 5	SLU 3	0	0	-270108	-966	-4974	-232495	1069	6321	-36040
p.lo 5	SLU 4	0	0	-281480	-833	-5137	-241941	928	7192	-37602
p.lo 5	SLU 5	0	0	-281480	-902	-5094	-242370	1001	6823	-37343
p.lo 5	SLU 6	0	0	-367504	-1060	-7685	-320685	1209	9288	-44657
p.lo 5	SLU 7	0	0	-378876	-1041	-7776	-330846	1190	9543	-45787
p.lo 5	SLU 8	0	0	-390248	-908	-7939	-340291	1049	10414	-47349
p.lo 5	SLU 9	0	0	-390248	-977	-7896	-340720	1121	10045	-47090
p.lo 5	SLU 10	0	0	-414118	-978	-8957	-362121	1140	11284	-49266
p.lo 5	SLU 11	0	0	-414118	-1047	-8914	-362550	1213	10915	-49007
p.lo 5	SLU 12	0	0	-425490	-960	-9049	-372281	1120	11539	-50396
p.lo 5	SLU 13	0	0	-425490	-1028	-9006	-372710	1193	11170	-50137
p.lo 5	SLU 14	0	0	-322356	-1288	-6579	-277471	1422	8650	-42635
p.lo 5	SLU 15	0	0	-322356	-1402	-6508	-278186	1543	8034	-42203
p.lo 5	SLU 16	0	0	-333728	-1383	-6599	-288346	1523	8290	-43333
p.lo 5	SLU 17	0	0	-345100	-1250	-6762	-297792	1383	9161	-44895
p.lo 5	SLU 18	0	0	-345100	-1319	-6719	-298220	1455	8791	-44636
p.lo 5	SLU 19	0	0	-431123	-1477	-9310	-376536	1664	11256	-51950
p.lo 5	SLU 20	0	0	-442496	-1458	-9402	-386696	1644	11512	-53080
p.lo 5	SLU 21	0	0	-453868	-1325	-9565	-396142	1503	12383	-54642
p.lo 5	SLU 22	0	0	-453868	-1394	-9522	-396571	1576	12013	-54383
p.lo 5	SLU 23	0	0	-477738	-1395	-10583	-417971	1594	13252	-56559
p.lo 5	SLU 24	0	0	-477738	-1464	-10540	-418400	1667	12883	-56300
p.lo 5	SLU 25	0	0	-489110	-1376	-10675	-428132	1575	13508	-57689
p.lo 5	SLU 26	0	0	-489110	-1445	-10632	-428561	1647	13139	-57430
p.lo 5	SLU 27	0	0	-314544	-989	-5882	-268957	1103	8011	-43444
p.lo 5	SLU 28	0	0	-314544	-1103	-5811	-269672	1223	7395	-43012
p.lo 5	SLU 29	0	0	-325916	-1085	-5902	-279833	1204	7651	-44143
p.lo 5	SLU 30	0	0	-337288	-952	-6065	-289278	1063	8522	-45705
p.lo 5	SLU 31	0	0	-337288	-1020	-6022	-289707	1136	8152	-45445
p.lo 5	SLU 32	0	0	-423312	-1179	-8613	-368023	1344	10617	-52759
p.lo 5	SLU 33	0	0	-434684	-1160	-8705	-378183	1324	10873	-53889
p.lo 5	SLU 34	0	0	-446056	-1027	-8868	-387628	1183	11744	-55451
p.lo 5	SLU 35	0	0	-446056	-1095	-8825	-388057	1256	11374	-55192
p.lo 5	SLU 36	0	0	-469927	-1097	-9886	-409458	1275	12613	-57368
p.lo 5	SLU 37	0	0	-469927	-1165	-9843	-409887	1347	12244	-57109
p.lo 5	SLU 38	0	0	-481299	-1078	-9978	-419618	1255	12869	-58498
p.lo 5	SLU 39	0	0	-481299	-1146	-9935	-420047	1327	12500	-58239
p.lo 5	SLU 40	0	0	-378164	-1406	-7508	-324808	1557	9979	-50737
p.lo 5	SLU 41	0	0	-378164	-1520	-7437	-325523	1678	9364	-50305
p.lo 5	SLU 42	0	0	-389536	-1501	-7528	-335683	1658	9619	-51435

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
p.lo 5	SLU 43	0	0	-400908	-1369	-7691	-345129	1517	10490	-52998
p.lo 5	SLU 44	0	0	-400908	-1437	-7648	-345558	1590	10121	-52738
p.lo 5	SLU 45	0	0	-486932	-1595	-10239	-423873	1798	12585	-60052
p.lo 5	SLU 46	0	0	-498304	-1577	-10331	-434034	1779	12841	-61182
p.lo 5	SLU 47	0	0	-509676	-1444	-10494	-443479	1638	13712	-62744
p.lo 5	SLU 48	0	0	-509676	-1512	-10451	-443908	1710	13343	-62485
p.lo 5	SLU 49	0	0	-533546	-1514	-11512	-465309	1729	14582	-64661
p.lo 5	SLU 50	0	0	-533546	-1582	-11469	-465737	1802	14213	-64402
p.lo 5	SLU 51	0	0	-544919	-1495	-11603	-475469	1709	14837	-65791
p.lo 5	SLU 52	0	0	-544919	-1563	-11560	-475898	1782	14468	-65532
p.lo 5	SLE RA 1	0	0	-276913	-990	-5418	-237578	1098	7244	-37426
p.lo 5	SLE RA 2	0	0	-276913	-1066	-5370	-238054	1178	6833	-37138
p.lo 5	SLE RA 3	0	0	-284494	-1054	-5431	-244828	1165	7004	-37891
p.lo 5	SLE RA 4	0	0	-292076	-965	-5540	-251125	1071	7584	-38933
p.lo 5	SLE RA 5	0	0	-292076	-1011	-5511	-251411	1120	7338	-38760
p.lo 5	SLE RA 6	0	0	-349425	-1116	-7239	-303621	1259	8981	-43636
p.lo 5	SLE RA 7	0	0	-357006	-1104	-7300	-310394	1245	9152	-44389
p.lo 5	SLE RA 8	0	0	-364588	-1015	-7409	-316692	1152	9732	-45430
p.lo 5	SLE RA 9	0	0	-364588	-1061	-7380	-316977	1200	9486	-45258
p.lo 5	SLE RA 10	0	0	-380501	-1062	-8087	-331245	1213	10312	-46708
p.lo 5	SLE RA 11	0	0	-380501	-1107	-8059	-331530	1261	10066	-46536
p.lo 5	SLE RA 12	0	0	-388083	-1049	-8148	-338018	1199	10482	-47462
p.lo 5	SLE RA 13	0	0	-388083	-1095	-8120	-338304	1248	10236	-47289
p.lo 5	SLE FR 1	0	0	-276913	-990	-5418	-237578	1098	7244	-37426
p.lo 5	SLE FR 2	0	0	-276913	-1028	-5394	-237816	1138	7038	-37282
p.lo 5	SLE FR 3	0	0	-279946	-985	-5443	-240287	1092	7312	-37727
p.lo 5	SLE FR 4	0	0	-307990	-1050	-6195	-265916	1173	7959	-40067
p.lo 5	SLE FR 5	0	0	-311022	-1007	-6243	-268387	1127	8232	-40512
p.lo 5	SLE FR 6	0	0	-328707	-1026	-6753	-284411	1155	8778	-42067
p.lo 5	SLE QP 1	0	0	-276913	-990	-5418	-237578	1098	7244	-37426
p.lo 5	SLE QP 2	0	0	-307990	-1012	-6219	-265678	1132	8164	-40211
p.lo 5	SLD 1	-5204	-1576	-308034	-9386	-7695	-264867	4766	8465	-41340
p.lo 5	SLD 2	-5204	-1576	-308034	-9386	-7695	-264867	4766	8465	-41340
p.lo 5	SLD 3	-5117	3333	-307220	-9522	-2547	-263692	4923	5908	-42755
p.lo 5	SLD 4	-5117	3333	-307220	-9522	-2547	-263692	4923	5908	-42755
p.lo 5	SLD 5	-1692	-7918	-309237	-3317	-14468	-267216	1984	12132	-38404
p.lo 5	SLD 6	-1692	-7918	-309237	-3317	-14468	-267216	1984	12132	-38404
p.lo 5	SLD 7	-1405	8445	-306524	-3772	2689	-263300	2508	3609	-43120
p.lo 5	SLD 8	-1405	8445	-306524	-3772	2689	-263300	2508	3609	-43120
p.lo 5	SLD 9	1405	-8445	-309455	1749	-15127	-268055	-244	12719	-37302
p.lo 5	SLD 10	1405	-8445	-309455	1749	-15127	-268055	-244	12719	-37302
p.lo 5	SLD 11	1692	7918	-306742	1294	2031	-264139	281	4196	-42018
p.lo 5	SLD 12	1692	7918	-306742	1294	2031	-264139	281	4196	-42018
p.lo 5	SLD 13	5117	-3333	-308759	7499	-9891	-267663	-2658	10420	-37667
p.lo 5	SLD 14	5117	-3333	-308759	7499	-9891	-267663	-2658	10420	-37667
p.lo 5	SLD 15	5204	1576	-307946	7363	-4743	-266489	-2501	7864	-39081
p.lo 5	SLD 16	5204	1576	-307946	7363	-4743	-266489	-2501	7864	-39081
p.lo 5	SLV 1	-15043	-4158	-307934	-22273	-9943	-263781	8529	8806	-42673
p.lo 5	SLV 2	-15043	-4158	-307934	-22273	-9943	-263781	8529	8806	-42673
p.lo 5	SLV 3	-14950	9034	-306364	-22688	2891	-260839	8874	3316	-46703
p.lo 5	SLV 4	-14950	9034	-306364	-22688	2891	-260839	8874	3316	-46703
p.lo 5	SLV 5	-4654	-21255	-310353	-6761	-26801	-269571	2829	16683	-34837
p.lo 5	SLV 6	-4654	-21255	-310353	-6761	-26801	-269571	2829	16683	-34837
p.lo 5	SLV 7	-4344	22718	-305122	-8144	15979	-259764	3977	-1617	-48270
p.lo 5	SLV 8	-4344	22718	-305122	-8144	15979	-259764	3977	-1617	-48270
p.lo 5	SLV 9	4344	-22718	-310857	6121	-28417	-271591	-1713	17945	-32151
p.lo 5	SLV 10	4344	-22718	-310857	6121	-28417	-271591	-1713	17945	-32151
p.lo 5	SLV 11	4654	21255	-305626	4738	14363	-261784	-564	-355	-45584
p.lo 5	SLV 12	4654	21255	-305626	4738	14363	-261784	-564	-355	-45584
p.lo 5	SLV 13	14950	-9034	-309615	20665	-15329	-270516	-6609	13012	-33719
p.lo 5	SLV 14	14950	-9034	-309615	20665	-15329	-270516	-6609	13012	-33719
p.lo 5	SLV 15	15043	4158	-308046	20250	-2495	-267574	-6265	7522	-37749
p.lo 5	SLV 16	15043	4158	-308046	20250	-2495	-267574	-6265	7522	-37749
p.lo 5	CRTFP Ux+	1	0	0	1	0	0	0	0	0
p.lo 5	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
p.lo 5	CRTFP Uy+	0	1	0	0	0	0	0	0	0
p.lo 5	CRTFP Uy-	0	-1	0	0	0	0	0	0	0
p.lo 5	CRTFP Rz+	0	0	0	0	0	0	0	0	0
p.lo 5	CRTFP Rz-	0	0	0	0	0	0	0	0	0
Piano 5	Pesi	0	0	-61518	-530	-700	-49307	530	700	-12211
Piano 5	Port.	0	0	-25074	-575	-478	-22787	575	478	-2286
Piano 5	Accidentali	0	0	-16278	-117	-358	-14739	117	358	-1539
Piano 5	neve	0	0	-15163	-107	-157	-14001	107	157	-1162
Piano 5	ΔT	0	0	0	47	67	-65	-47	-67	65
Piano 5	SLV X	8275	1804	-308	8715	1664	-646	-441	140	339
Piano 5	SLV Y	1499	10325	-49	1550	12394	2895	-51	-2068	-2944
Piano 5	X SLD	3238	568	-106	3511	559	-291	-273	10	185
Piano 5	Y SLD	708	4489	41	685	5303	1091	23	-814	-1050
Piano 5	Rig Ux	1	0	0	1	0	0	0	0	0
Piano 5	Rig Uy	0	1	0	0	1	0	0	0	0
Piano 5	Rig Rz	0	0	0	0	0	0	0	0	0
Piano 5	SLU 1	0	0	-81577	-990	-1082	-67537	990	1082	-14040
Piano 5	SLU 2	0	0	-81577	-920	-982	-67634	920	982	-13943
Piano 5	SLU 3	0	0	-92949	-1001	-1100	-78135	1001	1100	-14814
Piano 5	SLU 4	0	0	-104321	-1151	-1318	-88538	1151	1318	-15783
Piano 5	SLU 5	0	0	-104321	-1109	-1258	-88596	1109	1258	-15725
Piano 5	SLU 6	0	0	-98669	-1043	-1358	-83110	1043	1358	-15559
Piano 5	SLU 7	0	0	-110041	-1123	-1476	-93610	1123	1476	-16431
Piano 5	SLU 8	0	0	-121413	-1274	-1694	-104013	1274	1694	-17400
Piano 5	SLU 9	0	0	-121413	-1232	-1634	-104072	1232	1634	-17341
Piano 5	SLU 10	0	0	-105994	-1165	-1620	-89645	1165	1620	-16349
Piano 5	SLU 11	0	0	-105994	-1123	-1560	-89703	1123	1560	-16291
Piano 5	SLU 12	0	0	-117366	-1246	-1738	-100145	1246	1738	-17221
Piano 5	SLU 13	0	0	-117366	-1204	-1677	-100204	1204	1677	-17162
Piano 5	SLU 14	0	0	-99128	-1393	-1417	-83488	1393	1417	-15640
Piano 5	SLU 15	0	0	-99128	-1323	-1317	-83585	1323	1317	-15543
Piano 5	SLU 16	0	0	-110500	-1403	-1434	-94086	1403	1434	-16415
Piano 5	SLU 17	0	0	-121873	-1554	-1652	-104489	1554	1652	-17384

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Piano 5	SLU 18	0	0	-121873	-1512	-1592	-104547	1512	1592	-17325
Piano 5	SLU 19	0	0	-116220	-1445	-1693	-99061	1445	1693	-17159
Piano 5	SLU 20	0	0	-127592	-1526	-1810	-109561	1526	1810	-18031
Piano 5	SLU 21	0	0	-138964	-1676	-2028	-119965	1676	2028	-19000
Piano 5	SLU 22	0	0	-138964	-1634	-1968	-120023	1634	1968	-18942
Piano 5	SLU 23	0	0	-123545	-1568	-1954	-105596	1568	1954	-17949
Piano 5	SLU 24	0	0	-123545	-1526	-1894	-105655	1526	1894	-17891
Piano 5	SLU 25	0	0	-134918	-1648	-2072	-116097	1648	2072	-18821
Piano 5	SLU 26	0	0	-134918	-1606	-2012	-116155	1606	2012	-18763
Piano 5	SLU 27	0	0	-100032	-1149	-1293	-82329	1149	1293	-17703
Piano 5	SLU 28	0	0	-100032	-1079	-1192	-82426	1079	1192	-17606
Piano 5	SLU 29	0	0	-111404	-1160	-1310	-92927	1160	1310	-18478
Piano 5	SLU 30	0	0	-122776	-1310	-1528	-103330	1310	1528	-19446
Piano 5	SLU 31	0	0	-122776	-1268	-1468	-103388	1268	1468	-19388
Piano 5	SLU 32	0	0	-117124	-1202	-1568	-97902	1202	1568	-19222
Piano 5	SLU 33	0	0	-128496	-1282	-1686	-108402	1282	1686	-20094
Piano 5	SLU 34	0	0	-139868	-1433	-1904	-118806	1433	1904	-21063
Piano 5	SLU 35	0	0	-139868	-1391	-1844	-118864	1391	1844	-21004
Piano 5	SLU 36	0	0	-124449	-1324	-1830	-104437	1324	1830	-20012
Piano 5	SLU 37	0	0	-124449	-1282	-1770	-104496	1282	1770	-19954
Piano 5	SLU 38	0	0	-135821	-1405	-1948	-114938	1405	1948	-20884
Piano 5	SLU 39	0	0	-135821	-1363	-1888	-114996	1363	1888	-20825
Piano 5	SLU 40	0	0	-117584	-1552	-1627	-98280	1552	1627	-19303
Piano 5	SLU 41	0	0	-117584	-1482	-1527	-98378	1482	1527	-19206
Piano 5	SLU 42	0	0	-128956	-1562	-1644	-108878	1562	1644	-20078
Piano 5	SLU 43	0	0	-140328	-1713	-1862	-119281	1713	1862	-21047
Piano 5	SLU 44	0	0	-140328	-1671	-1802	-119339	1671	1802	-20988
Piano 5	SLU 45	0	0	-134676	-1604	-1903	-113853	1604	1903	-20823
Piano 5	SLU 46	0	0	-146048	-1685	-2021	-124354	1685	2021	-21694
Piano 5	SLU 47	0	0	-157420	-1835	-2239	-134757	1835	2239	-22663
Piano 5	SLU 48	0	0	-157420	-1793	-2178	-134815	1793	2178	-22605
Piano 5	SLU 49	0	0	-142001	-1727	-2164	-120388	1727	2164	-21612
Piano 5	SLU 50	0	0	-142001	-1685	-2104	-120447	1685	2104	-21554
Piano 5	SLU 51	0	0	-153373	-1807	-2282	-130889	1807	2282	-22484
Piano 5	SLU 52	0	0	-153373	-1765	-2222	-130947	1765	2222	-22426
Piano 5	SLE RA 1	0	0	-86592	-1105	-1178	-72095	1105	1178	-14497
Piano 5	SLE RA 2	0	0	-86592	-1059	-1111	-72159	1059	1111	-14432
Piano 5	SLE RA 3	0	0	-94173	-1112	-1190	-79160	1112	1190	-15013
Piano 5	SLE RA 4	0	0	-101754	-1212	-1335	-86095	1212	1335	-15659
Piano 5	SLE RA 5	0	0	-101754	-1185	-1295	-86134	1185	1295	-15620
Piano 5	SLE RA 6	0	0	-97986	-1140	-1362	-82476	1140	1362	-15510
Piano 5	SLE RA 7	0	0	-105568	-1194	-1440	-89477	1194	1440	-16091
Piano 5	SLE RA 8	0	0	-113149	-1294	-1586	-96412	1294	1586	-16737
Piano 5	SLE RA 9	0	0	-113149	-1266	-1546	-96451	1266	1546	-16698
Piano 5	SLE RA 10	0	0	-102870	-1222	-1536	-86833	1222	1536	-16036
Piano 5	SLE RA 11	0	0	-102870	-1194	-1496	-86872	1194	1496	-15997
Piano 5	SLE RA 12	0	0	-110451	-1275	-1615	-93833	1275	1615	-16617
Piano 5	SLE RA 13	0	0	-110451	-1248	-1575	-93872	1248	1575	-16579
Piano 5	SLE FR 1	0	0	-86592	-1105	-1178	-72095	1105	1178	-14497
Piano 5	SLE FR 2	0	0	-86592	-1082	-1145	-72127	1082	1145	-14465
Piano 5	SLE FR 3	0	0	-89624	-1127	-1209	-74895	1127	1209	-14729
Piano 5	SLE FR 4	0	0	-91475	-1117	-1252	-76549	1117	1252	-14926
Piano 5	SLE FR 5	0	0	-94508	-1162	-1317	-79316	1162	1317	-15191
Piano 5	SLE FR 6	0	0	-94731	-1163	-1357	-79464	1163	1357	-15267
Piano 5	SLE QP 1	0	0	-86592	-1105	-1178	-72095	1105	1178	-14497
Piano 5	SLE QP 2	0	0	-91475	-1140	-1285	-76516	1140	1285	-14959
Piano 5	SLD 1	-3450	-1915	-91381	-4857	-3435	-76552	1406	1520	-14829
Piano 5	SLD 2	-3450	-1915	-91381	-4857	-3435	-76552	1406	1520	-14829
Piano 5	SLD 3	-3026	778	-91357	-4446	-253	-75897	1420	1031	-15459
Piano 5	SLD 4	-3026	778	-91357	-4446	-253	-75897	1420	1031	-15459
Piano 5	SLD 5	-1679	-4659	-91484	-2878	-6756	-77520	1199	2097	-13964
Piano 5	SLD 6	-1679	-4659	-91484	-2878	-6756	-77520	1199	2097	-13964
Piano 5	SLD 7	-264	4318	-91402	-1509	3850	-75337	1245	468	-16065
Piano 5	SLD 8	-264	4318	-91402	-1509	3850	-75337	1245	468	-16065
Piano 5	SLD 9	264	-4318	-91548	-772	-6421	-77695	1035	2103	-13853
Piano 5	SLD 10	264	-4318	-91548	-772	-6421	-77695	1035	2103	-13853
Piano 5	SLD 11	1679	4659	-91466	598	4185	-75512	1081	474	-15954
Piano 5	SLD 12	1679	4659	-91466	598	4185	-75512	1081	474	-15954
Piano 5	SLD 13	3026	-778	-91593	2166	-2318	-77135	860	1539	-14458
Piano 5	SLD 14	3026	-778	-91593	2166	-2318	-77135	860	1539	-14458
Piano 5	SLD 15	3450	1915	-91569	2576	864	-76480	874	1051	-15088
Piano 5	SLD 16	3450	1915	-91569	2576	864	-76480	874	1051	-15088
Piano 5	SLV 1	-8725	-4902	-91152	-10320	-6667	-76738	1596	1765	-14414
Piano 5	SLV 2	-8725	-4902	-91152	-10320	-6667	-76738	1596	1765	-14414
Piano 5	SLV 3	-7825	1293	-91182	-9391	769	-75001	1566	524	-16181
Piano 5	SLV 4	-7825	1293	-91182	-9391	769	-75001	1566	524	-16181
Piano 5	SLV 5	-3982	-10867	-91334	-5305	-14178	-79217	1323	3312	-12117
Piano 5	SLV 6	-3982	-10867	-91334	-5305	-14178	-79217	1323	3312	-12117
Piano 5	SLV 7	-983	9784	-91431	-2205	10609	-73427	1222	-825	-18004
Piano 5	SLV 8	-983	9784	-91431	-2205	10609	-73427	1222	-825	-18004
Piano 5	SLV 9	983	-9784	-91518	-75	-13180	-79605	1059	3396	-11913
Piano 5	SLV 10	983	-9784	-91518	-75	-13180	-79605	1059	3396	-11913
Piano 5	SLV 11	3982	10867	-91616	3024	11608	-73815	957	-741	-17801
Piano 5	SLV 12	3982	10867	-91616	3024	11608	-73815	957	-741	-17801
Piano 5	SLV 13	7825	-1293	-91768	7110	-3340	-78031	715	2046	-13737
Piano 5	SLV 14	7825	-1293	-91768	7110	-3340	-78031	715	2046	-13737
Piano 5	SLV 15	8725	4902	-91797	8040	4097	-76294	684	805	-15503
Piano 5	SLV 16	8725	4902	-91797	8040	4097	-76294	684	805	-15503
Piano 5	CRTFP Ux+	1	0	0	1	0	0	0	0	0
Piano 5	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
Piano 5	CRTFP Uy+	0	1	0	0	1	0	0	0	0
Piano 5	CRTFP Uy-	0	-1	0	0	-1	0	0	0	0
Piano 5	CRTFP Rz+	0	0	0	0	0	0	0	0	0
Piano 5	CRTFP Rz-	0	0	0	0	0	0	0	0	0
p.lo 6	Pesi	0	0	-52140	-530	-700	-44425	530	700	-7716
p.lo 6	Port.	0	0	-25074	-575	-478	-22787	575	478	-2286
p.lo 6	Accidentali	0	0	-16278	-117	-358	-14739	117	358	-1539
p.lo 6	neve	0	0	-15163	-107	-157	-14001	107	157	-1162

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
p.lo 6	ΔT	0	0	0	47	67	-65	-47	-67	65
p.lo 6	SLV X	6268	1712	-3476	8715	1664	-646	-2448	48	-2830
p.lo 6	SLV Y	1204	9851	-533	1550	12394	2895	-346	-2543	-3428
p.lo 6	X SLD	2421	590	-1452	3511	559	-291	-1090	31	-1160
p.lo 6	Y SLD	549	4295	-321	685	5303	1091	-136	-1009	-1412
p.lo 6	Rig Ux	1	0	0	1	0	0	0	0	0
p.lo 6	Rig Uy	0	1	0	0	1	0	0	0	0
p.lo 6	Rig Rz	0	0	0	0	0	0	0	0	0
p.lo 6	SLU 1	0	0	-72199	-990	-1082	-62655	990	1082	-9545
p.lo 6	SLU 2	0	0	-72199	-920	-982	-62752	920	982	-9448
p.lo 6	SLU 3	0	0	-83571	-1001	-1100	-73252	1001	1100	-10319
p.lo 6	SLU 4	0	0	-94943	-1151	-1318	-83655	1151	1318	-11288
p.lo 6	SLU 5	0	0	-94943	-1109	-1258	-83714	1109	1258	-11230
p.lo 6	SLU 6	0	0	-89291	-1043	-1358	-78227	1043	1358	-11064
p.lo 6	SLU 7	0	0	-100663	-1123	-1476	-88728	1123	1476	-11936
p.lo 6	SLU 8	0	0	-112035	-1274	-1694	-99131	1274	1694	-12905
p.lo 6	SLU 9	0	0	-112035	-1232	-1634	-99189	1232	1634	-12846
p.lo 6	SLU 10	0	0	-96616	-1165	-1620	-84763	1165	1620	-11854
p.lo 6	SLU 11	0	0	-96616	-1123	-1560	-84821	1123	1560	-11796
p.lo 6	SLU 12	0	0	-107988	-1246	-1738	-95263	1246	1738	-12726
p.lo 6	SLU 13	0	0	-107988	-1204	-1677	-95321	1204	1677	-12667
p.lo 6	SLU 14	0	0	-89751	-1393	-1417	-78606	1393	1417	-11145
p.lo 6	SLU 15	0	0	-89751	-1323	-1317	-78703	1323	1317	-11048
p.lo 6	SLU 16	0	0	-101123	-1403	-1434	-89203	1403	1434	-11920
p.lo 6	SLU 17	0	0	-112495	-1554	-1652	-99606	1554	1652	-12889
p.lo 6	SLU 18	0	0	-112495	-1512	-1592	-99665	1512	1592	-12830
p.lo 6	SLU 19	0	0	-106843	-1445	-1693	-94179	1445	1693	-12664
p.lo 6	SLU 20	0	0	-118215	-1526	-1810	-104679	1526	1810	-13536
p.lo 6	SLU 21	0	0	-129587	-1676	-2028	-115082	1676	2028	-14505
p.lo 6	SLU 22	0	0	-129587	-1634	-1968	-115140	1634	1968	-14447
p.lo 6	SLU 23	0	0	-114168	-1568	-1954	-100714	1568	1954	-13454
p.lo 6	SLU 24	0	0	-114168	-1526	-1894	-100772	1526	1894	-13396
p.lo 6	SLU 25	0	0	-125540	-1648	-2072	-111214	1648	2072	-14326
p.lo 6	SLU 26	0	0	-125540	-1606	-2012	-111272	1606	2012	-14268
p.lo 6	SLU 27	0	0	-87841	-1149	-1293	-75982	1149	1293	-11859
p.lo 6	SLU 28	0	0	-87841	-1079	-1192	-76079	1079	1192	-11762
p.lo 6	SLU 29	0	0	-99214	-1160	-1310	-86580	1160	1310	-12634
p.lo 6	SLU 30	0	0	-110586	-1310	-1528	-96983	1310	1528	-13603
p.lo 6	SLU 31	0	0	-110586	-1268	-1468	-97041	1268	1468	-13545
p.lo 6	SLU 32	0	0	-104933	-1202	-1568	-91555	1202	1568	-13379
p.lo 6	SLU 33	0	0	-116305	-1282	-1686	-102055	1282	1686	-14250
p.lo 6	SLU 34	0	0	-127678	-1433	-1904	-112458	1433	1904	-15219
p.lo 6	SLU 35	0	0	-127678	-1391	-1844	-112517	1391	1844	-15161
p.lo 6	SLU 36	0	0	-112259	-1324	-1830	-98090	1324	1830	-14169
p.lo 6	SLU 37	0	0	-112259	-1282	-1770	-98148	1282	1770	-14110
p.lo 6	SLU 38	0	0	-123631	-1405	-1948	-108590	1405	1948	-15040
p.lo 6	SLU 39	0	0	-123631	-1363	-1888	-108649	1363	1888	-14982
p.lo 6	SLU 40	0	0	-105393	-1552	-1627	-91933	1552	1627	-13460
p.lo 6	SLU 41	0	0	-105393	-1482	-1527	-92030	1482	1527	-13363
p.lo 6	SLU 42	0	0	-116765	-1562	-1644	-102531	1562	1644	-14234
p.lo 6	SLU 43	0	0	-128137	-1713	-1862	-112934	1713	1862	-15203
p.lo 6	SLU 44	0	0	-128137	-1671	-1802	-112992	1671	1802	-15145
p.lo 6	SLU 45	0	0	-122485	-1604	-1903	-107506	1604	1903	-14979
p.lo 6	SLU 46	0	0	-133857	-1685	-2021	-118006	1685	2021	-15851
p.lo 6	SLU 47	0	0	-145229	-1835	-2239	-128410	1835	2239	-16820
p.lo 6	SLU 48	0	0	-145229	-1793	-2178	-128468	1793	2178	-16761
p.lo 6	SLU 49	0	0	-129810	-1727	-2164	-114041	1727	2164	-15769
p.lo 6	SLU 50	0	0	-129810	-1685	-2104	-114099	1685	2104	-15711
p.lo 6	SLU 51	0	0	-141182	-1807	-2282	-124542	1807	2282	-16641
p.lo 6	SLU 52	0	0	-141182	-1765	-2222	-124600	1765	2222	-16582
p.lo 6	SLE RA 1	0	0	-77214	-1105	-1178	-67212	1105	1178	-10002
p.lo 6	SLE RA 2	0	0	-77214	-1059	-1111	-67277	1059	1111	-9937
p.lo 6	SLE RA 3	0	0	-84795	-1112	-1190	-74277	1112	1190	-10518
p.lo 6	SLE RA 4	0	0	-92377	-1212	-1335	-81213	1212	1335	-11164
p.lo 6	SLE RA 5	0	0	-92377	-1185	-1295	-81251	1185	1295	-11125
p.lo 6	SLE RA 6	0	0	-88609	-1140	-1362	-77594	1140	1362	-11015
p.lo 6	SLE RA 7	0	0	-96190	-1194	-1440	-84594	1194	1440	-11596
p.lo 6	SLE RA 8	0	0	-103771	-1294	-1586	-91530	1294	1586	-12242
p.lo 6	SLE RA 9	0	0	-103771	-1266	-1546	-91568	1266	1546	-12203
p.lo 6	SLE RA 10	0	0	-93492	-1222	-1536	-81951	1222	1536	-11541
p.lo 6	SLE RA 11	0	0	-93492	-1194	-1496	-81990	1194	1496	-11502
p.lo 6	SLE RA 12	0	0	-101073	-1275	-1615	-88951	1275	1615	-12122
p.lo 6	SLE RA 13	0	0	-101073	-1248	-1575	-88990	1248	1575	-12084
p.lo 6	SLE FR 1	0	0	-77214	-1105	-1178	-67212	1105	1178	-10002
p.lo 6	SLE FR 2	0	0	-77214	-1082	-1145	-67244	1082	1145	-9970
p.lo 6	SLE FR 3	0	0	-80247	-1127	-1209	-70012	1127	1209	-10234
p.lo 6	SLE FR 4	0	0	-82097	-1117	-1252	-71666	1117	1252	-10431
p.lo 6	SLE FR 5	0	0	-85130	-1162	-1317	-74434	1162	1317	-10696
p.lo 6	SLE FR 6	0	0	-85353	-1163	-1357	-74581	1163	1357	-10772
p.lo 6	SLE QP 1	0	0	-77214	-1105	-1178	-67212	1105	1178	-10002
p.lo 6	SLE QP 2	0	0	-82097	-1140	-1285	-71634	1140	1285	-10464
p.lo 6	SLD 1	-2586	-1878	-80550	-4857	-3435	-71670	2271	1557	-8880
p.lo 6	SLD 2	-2586	-1878	-80550	-4857	-3435	-71670	2271	1557	-8880
p.lo 6	SLD 3	-2257	698	-80742	-4446	-253	-71015	2189	951	-9727
p.lo 6	SLD 4	-2257	698	-80742	-4446	-253	-71015	2189	951	-9727
p.lo 6	SLD 5	-1276	-4472	-81341	-2878	-6756	-72638	1603	2285	-8704
p.lo 6	SLD 6	-1276	-4472	-81341	-2878	-6756	-72638	1603	2285	-8704
p.lo 6	SLD 7	-177	4118	-81982	-1509	3850	-70455	1331	267	-11528
p.lo 6	SLD 8	-177	4118	-81982	-1509	3850	-70455	1331	267	-11528
p.lo 6	SLD 9	177	-4118	-82212	-772	-6421	-72812	949	2303	-9400
p.lo 6	SLD 10	177	-4118	-82212	-772	-6421	-72812	949	2303	-9400
p.lo 6	SLD 11	1276	4472	-82854	598	4185	-70630	678	286	-12224
p.lo 6	SLD 12	1276	4472	-82854	598	4185	-70630	678	286	-12224
p.lo 6	SLD 13	2257	-698	-83453	2166	-2318	-72252	91	1619	-11201
p.lo 6	SLD 14	2257	-698	-83453	2166	-2318	-72252	91	1619	-11201
p.lo 6	SLD 15	2586	1878	-83645	2576	864	-71598	10	1014	-12048
p.lo 6	SLD 16	2586	1878	-83645	2576	864	-71598	10	1014	-12048
p.lo 6	SLV 1	-6629	-4667	-78461	-10320	-6667	-71856	3691	2000	-6606

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
p.lo 6	SLV 2	-6629	-4667	-78461	-10320	-6667	-71856	3691	2000	-6606
p.lo 6	SLV 3	-5906	1243	-78781	-9391	769	-70119	3484	474	-8662
p.lo 6	SLV 4	-5906	1243	-78781	-9391	769	-70119	3484	474	-8662
p.lo 6	SLV 5	-3084	-10364	-80522	-5305	-14178	-74335	2220	3814	-6187
p.lo 6	SLV 6	-3084	-10364	-80522	-5305	-14178	-74335	2220	3814	-6187
p.lo 6	SLV 7	-676	9337	-81588	-2205	10609	-68545	1529	-1272	-13043
p.lo 6	SLV 8	-676	9337	-81588	-2205	10609	-68545	1529	-1272	-13043
p.lo 6	SLV 9	676	-9337	-82607	-75	-13180	-74723	752	3843	-7885
p.lo 6	SLV 10	676	-9337	-82607	-75	-13180	-74723	752	3843	-7885
p.lo 6	SLV 11	3084	10364	-83673	3024	11608	-68933	60	-1243	-14741
p.lo 6	SLV 12	3084	10364	-83673	3024	11608	-68933	60	-1243	-14741
p.lo 6	SLV 13	5906	-1243	-85414	7110	-3340	-73149	-1204	2097	-12265
p.lo 6	SLV 14	5906	-1243	-85414	7110	-3340	-73149	-1204	2097	-12265
p.lo 6	SLV 15	6629	4667	-85734	8040	4097	-71412	-1411	571	-14322
p.lo 6	SLV 16	6629	4667	-85734	8040	4097	-71412	-1411	571	-14322
p.lo 6	CRTFP Ux+	1	0	0	1	0	0	0	0	0
p.lo 6	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
p.lo 6	CRTFP Uy+	0	1	0	0	1	0	0	0	0
p.lo 6	CRTFP Uy-	0	-1	0	0	-1	0	0	0	0
p.lo 6	CRTFP Rz+	0	0	0	0	0	0	0	0	0
p.lo 6	CRTFP Rz-	0	0	0	0	0	0	0	0	0

7.7 Risposta modale

***Modo**: identificativo del modo di vibrare.*
***Periodo**: periodo. [s]*
***Massa X**: massa partecipante in direzione globale X. Il valore è adimensionale.*
***Massa Y**: massa partecipante in direzione globale Y. Il valore è adimensionale.*
***Massa Z**: massa partecipante in direzione globale Z. Il valore è adimensionale.*
***Massa rot. X**: massa rotazionale partecipante attorno la direzione globale X. Il valore è adimensionale.*
***Massa rot. Y**: massa rotazionale partecipante attorno la direzione globale Y. Il valore è adimensionale.*
***Massa rot. Z**: massa rotazionale partecipante attorno la direzione globale Z. Il valore è adimensionale.*
***Massa sX**: massa partecipante in direzione Sisma X. Il valore è adimensionale.*
***Massa sY**: massa partecipante in direzione Sisma Y. Il valore è adimensionale.*

Totale masse partecipanti:

Traslazione X: 0.998401
Traslazione Y: 0.994551
Traslazione Z: 0
Rotazione X: 0.999945
Rotazione Y: 0.999982
Rotazione Z: 0.994676

Modo	Periodo	Massa X	Massa Y	Massa Z	Massa rot. X	Massa rot. Y	Massa rot. Z	Massa sX	Massa sY
1	1.511681364	0.315558676	0.01147022	0	0.015985501	0.353287345	0.022410278	0.315558676	0.01147022
2	1.10812125	0.029623406	0.818346837	0	0.962240009	0.035001419	0.826182605	0.029623406	0.818346837
3	0.96866998	0.505129604	0.018719996	0	0.019178386	0.608015012	0.000056065	0.505129604	0.018719996
4	0.433791677	0.036939005	0.001730381	0	0.000173614	0.002129971	0.002876659	0.036939005	0.001730381
5	0.257168982	0.018007728	0.0888237	0	0.002044605	0.000168422	0.096666977	0.018007728	0.0888237
6	0.237522671	0.007943001	0.001083185	0	0.000046135	0.001185243	0.000020306	0.007943001	0.001083185
7	0.218601637	0.049971763	0.026136425	0	0.000144819	0.000137189	0.016224641	0.049971763	0.026136425
8	0.169992406	0.014311191	0.007391277	0	0.000072218	0.000000567	0.009613956	0.014311191	0.007391277
9	0.166056833	0.000686702	0.000475288	0	0.000008798	0.000014177	0.001473119	0.000686702	0.000475288
10	0.132001905	0.006137369	0.000796116	0	0.00000546	0.000007689	0.000138172	0.006137369	0.000796116
11	0.112809941	0.000658261	0.008731002	0	0.000000013	0.000000783	0.008799056	0.000658261	0.008731002
12	0.110342863	0.001786847	0.007050817	0	0.000001156	0.000004291	0.006724593	0.001786847	0.007050817
13	0.091430174	0.008174277	0.000192718	0	0.000000888	0.000008696	0.000015099	0.008174277	0.000192718
14	0.080404809	0.000184214	0.001851117	0	0.000025224	0.000000104	0.001837985	0.000184214	0.001851117
15	0.078148508	0.000517377	0.000935553	0	0.000012371	0.000000021	0.000855195	0.000517377	0.000935553
16	0.069604963	0.00018675	0.000008317	0	0.00000139	0.000000837	0.000022858	0.00018675	0.000008317
17	0.0678942	0.000213915	0.00001117	0	0.000001171	0.000003718	0.000032892	0.000213915	0.00001117
18	0.06563551	0.001213462	0.000192504	0	0.000002424	0.000007237	0.00035493	0.001213462	0.000192504
19	0.063722363	0.001136185	0.000244881	0	0.000000117	0.000000956	0.000145153	0.001136185	0.000244881
20	0.062722177	0.000021695	0.000359068	0	0.000000829	0.000008002	0.000225905	0.000021695	0.000359068

7.8 Equilibrio globale forze

***Contributo**: Nome attribuito al sistema risultante.*
***Fx**: Componente X di forza del sistema risultante. [daN]*
***Fy**: Componente Y di forza del sistema risultante. [daN]*
***Fz**: Componente Z di forza del sistema risultante. [daN]*
***Mx**: Componente di momento attorno l'asse X del sistema risultante. [daN*cm]*
***My**: Componente di momento attorno l'asse Y del sistema risultante. [daN*cm]*
***Mz**: Componente di momento attorno l'asse Z del sistema risultante. [daN*cm]*

Bilancio in condizione di carico: Pesi strutturali

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	-1267722.098	-662962967	6822645082	0
Reazioni	0	0	1267722.098	662962967	-6822645082	0
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Permanenti portati

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	-676371.422	-344318441	3641295513	0
Reazioni	0	0	676371.422	344318441	-3641295513	0
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Accidentali

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	-337570.786	-172856100	1817706305	0
Reazioni	0	0	337570.786	172856100	-1817706305	0
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: neve

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	-15162.79	-7678748	84570759	0
Reazioni	0	0	15162.79	7678748	-84570759	0
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: ΔT

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	0	0	0	0
Reazioni	0	0	0	0	0	0
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Sisma X SLV

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	109319.139	0	0	0	133140179	-57249060
Reazioni	-109319.139	0	0	0	-133140179	57249060
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Sisma Y SLV

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	95561.896	0	-116385183	0	515549229
Reazioni	0	-95561.896	0	116385183	0	-515549229
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Sisma X SLD

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	42607.801	0	0	0	51892197	-22313171
Reazioni	-42607.801	0	0	0	-51892197	22313170
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Sisma Y SLD

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	37245.832	0	-45361835	0	200938457
Reazioni	0	-37245.832	0	45361835	0	-200938457
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Rig Ux

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	1	0	0	0	1920	-540
Reazioni	-1	0	0	0	-1920	540
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Rig Uy

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	1	0	-1920	0	5626
Reazioni	0	-1	0	1920	0	-5626
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Rig Rz

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	0	0	0	1
Reazioni	0	0	0	0	0	-1
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

7.9 Risposta di spettro

***Spettro**: condizione elementare corrispondente allo spettro.*
***N.b.**: nome breve della condizione elementare.*
***Fx**: componente della forza lungo l'asse X. [daN]*
***Fy**: componente della forza lungo l'asse Y. [daN]*
***Fz**: componente della forza lungo l'asse Z. [daN]*
***Mx**: componente della coppia attorno all'asse X. [daN*cm]*
***My**: componente della coppia attorno all'asse Y. [daN*cm]*
***Mz**: componente della coppia attorno all'asse Z. [daN*cm]*
***Max X**: massima reazione lungo l'asse X.*
***Valore**: valore massimo della reazione. [daN]*

***Angolo**: angolo d'ingresso del sisma che provoca il valore massimo della reazione. [deg]*
***Max Y**: massima reazione lungo l'asse Y.*
***Valore**: valore massimo della reazione. [daN]*
***Angolo**: angolo d'ingresso del sisma che provoca il valore massimo della reazione. [deg]*
***Max Z**: massima reazione lungo l'asse Z.*
***Valore**: valore massimo della reazione. [daN]*
***Angolo**: angolo d'ingresso del sisma che provoca il valore massimo della reazione. [deg]*

Spettro	Fx	Fy	Fz	Mx	My	Mz	Max X		Max Y		Max Z	
N.b.							Valore	Angolo	Valore	Angolo	Valore	Angolo
SLV X	64579	19046.2	0	1.809E07	7.388E07	1.053E08	64908.64	6	83719.59	98	0	0
SLV Y	19046.2	82927.98	0	9.433E07	1.829E07	4.507E08	64908.64	6	83719.59	98	0	0
X SLD	25664.15	8131.74	0	7.065E06	2.880E07	4.465E07	25800.52	6	33486.38	98	0	0
Y SLD	8131.74	33157.09	0	3.678E07	7.133E06	1.803E08	25800.52	6	33486.38	98	0	0

8 Verifiche

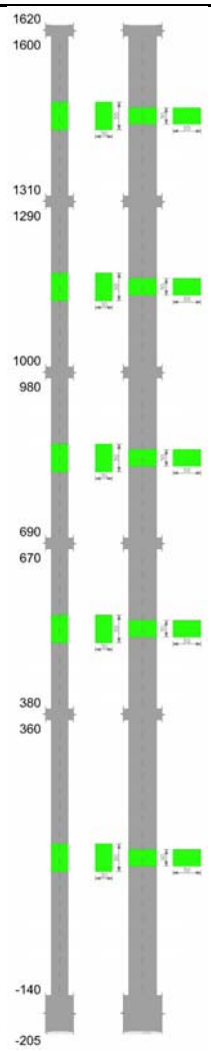
8.1 Verifiche pilastrate C.A.

Le unità di misura elencate nel capitolo sono in [cm, daN] ove non espressamente specificato.

***Q.inf.**: quota inferiore. [cm]*
***Q.sup.**: quota superiore. [cm]*
***Sezione**: sezione impiegata.*
***Esistente**: campata esistente.*
***Secondaria**: campata secondaria.*
***Dissipativa**: campata dissipativa.*
***Interna a parete**: campata adiacente ad una parete in c.a.*
***Sovraresistenza**: aliquota di sovraresistenza da assicurare in verifica.*
***Materiale CLS**: materiale calcestruzzo impiegato.*
***Materiale Acciaio**: materiale/i acciaio impiegato/i.*
***FC**: fattore di confidenza riferito al materiale CLS.*
***Posizione**: posizione della barra.*
***X**: ascissa relativa della barra rispetto al baricentro della sezione. [cm]*
***Y**: ordinata relativa della barra rispetto al baricentro della sezione. [cm]*
***Diametro**: diametro nominale della barra. [cm]*
***Area**: area nominale della barra. [cm²]*
***Q.inf.**: quota inferiore della barra. [cm]*
***Q.sup.**: quota superiore della barra. [cm]*
***Materiale**: materiale della barra.*
***Quota**: quota della sezione. [cm]*
***As**: area complessiva delle armature verticali. [cm²]*
***%**: percentuale di acciaio.*
***At**: area delle armature verticali destinata alla verifica di torsione. [cm²]*
***Pos.**: posizioni barre longitudinali presenti nella sezione.*
***Mx**: momento Mx. [daN*cm]*
***My**: momento My. [daN*cm]*
***N**: sforzo normale. [daN]*
***MRdx**: momento resistente in direzione X. [daN*cm]*
***MRdy**: momento resistente in direzione Y. [daN*cm]*
***Comb.**: combinazione peggiore.*
***Coeff.s.**: coefficiente di sicurezza minimo.*
***Verifica**: stato di verifica.*
***ε,cu**: deformazione ultima utilizzata per il calcestruzzo [‰].*
***ε,fk**: deformazione ultima utilizzata per l'acciaio [‰].*
***C.S.**: coefficiente di sicurezza minimo.*
***Nmin**: compressione massima. [daN]*
***Nlim**: compressione limite. [daN]*
***Comb.Nmin**: combinazione in cui si ottiene la compressione massima.*
***Ver.**: stato di verifica.*
***Staffe**: staffatura presente nella sezione.*
***Direzione X**: dati della verifica a taglio in direzione X.*
***V**: taglio di verifica per la direzione considerata. [daN]*
***N**: sforzo normale per la verifica nella direzione considerata. [daN]*
***Comb.**: combinazione per la verifica nella direzione considerata.*
***VRd**: resistenza a taglio del calcestruzzo non staffato per la verifica nella direzione considerata. [daN]*
***VRsd**: resistenza a taglio delle staffe per la verifica nella direzione considerata. [daN]*
***VRcd**: resistenza a taglio delle bielle compresse per la verifica nella direzione considerata. [daN]*
***Cot**: cotagente delle bielle compresse per la verifica nella direzione considerata.*
***c.s.**: coefficiente di sicurezza per la verifica nella direzione considerata.*
***Direzione Y**: dati della verifica a taglio in direzione Y.*
***σc,max**: tensione massima sul calcestruzzo. [daN/cm²]*
***σf,max**: tensione massima sull'acciaio. [daN/cm²]*
***Mx,sr**: momento Mx di fessurazione. [daN*cm]*
***My,sr**: momento My di fessurazione. [daN*cm]*
***N,sr**: sforzo normale di fessurazione. [daN]*
***σs**: tensione massima sull'acciaio in condizioni fessurate. [daN/cm²]*
***Ac,eff**: area di calcestruzzo efficace. [cm²]*
***ρ,eff**: rapporto geometrico di area d'acciaio efficace.*
***Sm**: distanza media fra le fessure. [cm]*
***Wk**: apertura delle fessure. [cm]*
***Fessurata**: presenza di fessurazione.*

Pilastro 9B

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x50	No	No	No	No		C30/37	B450C	
380	670	R 30x50	No	No	No	No		C30/37	B450C	
690	980	R 30x50	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.67	-19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.67	19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.67	19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.9	-6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.9	6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.9	-6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.9	6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.2	-9.67	-19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.67	-19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.67	19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.67	19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.9	-6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.9	6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.9	-6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.9	6.9	1.6	2.011	-140	380	R 30x50	B450C
p.3	-9.67	-19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	9.67	-19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	9.67	19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.67	19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.9	-6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.9	6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	9.9	-6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	9.9	6.9	1.6	2.011	380	690	R 30x50	B450C
p.4	-9.67	-19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.67	-19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.67	19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.67	19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.9	-6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.9	6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.9	-6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.9	6.9	1.6	2.011	690	1000	R 30x50	B450C
p.5	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.5	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.5	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.6	-9.67	-19.67	1.6	2.011	1310.1	1620	R 30x50	B450C
p.6	9.67	-19.67	1.6	2.011	1310.1	1620	R 30x50	B450C
p.6	9.67	19.67	1.6	2.011	1310.1	1620	R 30x50	B450C
p.6	-9.67	19.67	1.6	2.011	1310.1	1620	R 30x50	B450C
p.7	-9.9	-6.9	1.6	2.011	1310.1	1620	R 30x50	B450C
p.7	-9.9	6.9	1.6	2.011	1310.1	1620	R 30x50	B450C
p.7	9.9	-6.9	1.6	2.011	1310.1	1620	R 30x50	B450C
p.7	9.9	6.9	1.6	2.011	1310.1	1620	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2.1	0	1,2	-263883	-263883	-97284	-667210	-667210	SLU 52	2.528	Si
-111	16.08	2.1	0	1,2	-263500	-263500	-97143	-667210	-667210	SLU 52	2.532	Si
-81	16.08	1.1	0	2	-263111	-263111	-97000	-667210	-667210	SLU 52	2.536	Si
-52	16.08	1.1	0	2	-262722	-262722	-96856	-667210	-667210	SLU 52	2.54	Si
-22	16.08	1.1	0	2	-262333	-262333	-96713	-667210	-667210	SLU 52	2.543	Si
7	16.08	1.1	0	2	-261945	-261945	-96569	-667210	-667210	SLU 52	2.547	Si
36	16.08	1.1	0	2	-261556	-261556	-96426	-667210	-667210	SLU 52	2.551	Si
66	16.08	1.1	0	2	-261167	-261167	-96283	-667210	-667210	SLU 52	2.555	Si
95	16.08	1.1	0	2	-260778	-260778	-96139	-667210	-667210	SLU 52	2.559	Si
125	16.08	1.1	0	2	-260385	-260385	-95994	-667210	-667210	SLU 52	2.562	Si
154	16.08	1.1	0	2	-260000	-260000	-95853	-667210	-667210	SLU 52	2.566	Si
184	16.08	1.1	0	2	259611	-259611	-95709	667210	-667210	SLU 52	2.57	Si
213	16.08	1.1	0	2	259228	-259228	-95568	667210	-667210	SLU 52	2.574	Si
242	16.08	1.1	0	2	258833	-258833	-95422	667210	-667210	SLU 52	2.578	Si
272	16.08	1.1	0	2	258444	-258444	-95279	667210	-667210	SLU 52	2.582	Si
301	16.08	1.1	0	2	258055	-258055	-95136	667210	-667210	SLU 52	2.586	Si
331	16.08	1.1	0	2	257666	-257666	-94992	667210	-667210	SLU 52	2.589	Si
360	16.08	1.1	0	2	257284	-257284	-94851	667210	-667210	SLU 52	2.593	Si
380	16.08	2.1	0	2,3	153163	326178	-76581	443106	943646	SLU 51	2.893	Si
409	16.08	2.1	0	2,3	152880	268959	-76440	470913	828470	SLU 51	3.08	Si
438	16.08	1.1	0	3	152597	211740	-76299	499455	693033	SLU 51	3.273	Si
467	16.08	1.1	0	3	152314	154522	-76157	529532	537206	SLU 51	3.477	Si
496	16.08	1.1	0	3	152080	152080	-76040	530708	530708	SLU 52	3.49	Si
525	16.08	1.1	0	3	151797	151797	-75899	530708	530708	SLU 52	3.496	Si
554	16.08	1.1	0	3	151514	-151514	-75757	530708	-530708	SLU 52	3.503	Si
583	16.08	1.1	0	3	151232	-151232	-75616	530708	-530708	SLU 52	3.509	Si
612	16.08	1.1	0	3	150949	-150949	-75474	530708	-530708	SLU 52	3.516	Si
641	16.08	1.1	0	3	-150618	-188790	-75309	-510419	-639779	SLU 51	3.389	Si
670	16.08	1.1	0	3	-150335	-246009	-75168	-480407	-786139	SLU 51	3.196	Si
690	16.08	2.1	0	3,4	113318	221044	-56659	456221	889927	SLU 52	4.026	Si
719	16.08	2.1	0	3,4	113035	176176	-56518	486189	757772	SLU 52	4.301	Si
748	16.08	1.1	0	4	112753	131309	-56376	517680	602877	SLU 52	4.591	Si
777	16.08	1.1	0	4	112470	112470	-56235	530708	530708	SLU 52	4.719	Si
806	16.08	1.1	0	4	112187	112187	-56094	530708	530708	SLU 52	4.731	Si
835	16.08	1.1	0	4	111904	-111904	-55952	530708	-530708	SLU 52	4.743	Si
864	16.08	1.1	0	4	111622	-111622	-55811	530708	-530708	SLU 52	4.755	Si
893	16.08	1.1	0	4	111339	-111339	-55669	530708	-530708	SLU 52	4.767	Si
922	16.08	1.1	0	4	111056	-137896	-55528	511384	-634976	SLU 52	4.605	Si
951	16.08	1.1	0	4	110773	-182764	-55387	479424	-790997	SLU 52	4.328	Si
980	16.08	1.1	0	4	110491	-227631	-55245	448143	-923258	SLU 52	4.056	Si
1000	16.08	2.1	0	4,5	79746	239103	-36515	399065	1196513	SLU 52	5.004	Si
1029	16.08	2.1	0	4,5	72718	192014	-36359	407335	1075575	SLU 51	5.602	Si
1058	16.08	1.1	0	5	72435	144589	-36218	452848	903931	SLU 51	6.252	Si
1087	16.08	1.1	0	5	72153	97163	-36076	502761	677037	SLU 51	6.968	Si
1116	16.08	1.1	0	5	71898	71898	-35949	530708	530708	SLU 52	7.381	Si
1145	16.08	1.1	0	5	71615	71615	-35808	530708	530708	SLU 52	7.411	Si
1174	16.08	1.1	0	5	71333	-71333	-35666	530708	-530708	SLU 52	7.44	Si
1203	16.08	1.1	0	5	-71050	-92657	-35525	-506204	-660146	SLU 52	7.125	Si
1232	16.08	1.1	0	5	-70767	-140051	-35384	-454108	-898700	SLU 52	6.417	Si
1261	16.08	1.1	0	5	-70484	-187446	-35242	-406083	-1079933	SLU 52	5.761	Si
1290	16.08	1.1	0	5	-70202	-234840	-35101	-363016	-1214367	SLU 52	5.171	Si
1310	16.08	1.1	0	5	53506	264401	-16175	287107	1418744	SLU 52	5.366	Si
1339	16.05	2.1	0	5,6,7	39857	205590	-16034	282449	1456911	SLU 52	7.086	Si
1368	16.08	1.1	0	6,7	31785	146779	-15892	295769	1365829	SLU 52	9.305	Si
1397	16.08	1.1	0	6,7	31502	87968	-15751	397318	1109491	SLU 52	12.612	Si
1426	16.08	1.1	0	6,7	-31219	31219	-15610	-530708	530708	SLU 52	16.999	Si
1455	16.08	1.1	0	6,7	-30937	-30937	-15468	-530708	-530708	SLU 52	17.155	Si
1484	16.08	1.1	0	6,7	-30654	-88464	-15327	-391161	-1128854	SLU 52	12.761	Si
1513	16.08	1.1	0	6,7	-42805	-147111	-15177	-395562	-1359462	SLU 51	9.241	Si
1542	16.08	1.1	0	6,7	-56571	-205863	-15036	-390359	-1420520	SLU 51	6.9	Si
1571	16.08	1.1	0	6,7	-69332	-264897	-14903	-353800	-1351764	SLU 52	5.103	Si
1600	22.11	2.1	0	6,7	-82981	-323708	-14761	-396905	-1548325	SLU 52	4.783	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	16.08	2.1	0	1,2	927734	-359197	-53456	-2.02	1.92	1321545	-511670	SLV 13	1.424				Si
-111	16.08	2.1	0	1,2	862887	-332057	-53348	-2.02	1.92	1333096	-513004	SLV 13	1.545				Si
-81	16.08	1.1	0	2	796964	-304450	-53237	-2.02	1.92	1344764	-513717	SLV 13	1.687				Si
-52	16.08	1.1	0	2	731103	-276846	-53127	-2.02	1.92	1354527	-512918	SLV 13	1.853				Si
-22	16.08	1.1	0	2	665326	-249247	-53017	-2.02	1.92	1360269	-509588	SLV 13	2.045				Si
7	16.08	1.1	0	2	599655	-221653	-52906	-2.02	1.92	1358876	-502287	SLV 13	2.266				Si
36	16.08	1.1	0	2	534129	-194068	-52796	-2.02	1.92	1346026	-489059	SLV 13	2.52				Si
66	16.08	1.1	0	2	468831	-166500	-52686	-2.02	1.92	1317011	-467722	SLV 13	2.809				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
95	16.08	1.1	0	2	-433419	27906	-64761	-2.02	1.92	-1355136	87252	SLV 3	3.127				Si
125	16.08	1.1	0	2	-357813	6707	-64649	-2.02	1.92	-1217238	22818	SLV 3	3.402				Si
154	16.08	1.1	0	2	-284693	-16594	-64540	-2.02	1.92	-1026396	-59824	SLV 3	3.605				Si
184	16.08	1.1	0	2	-212678	-35629	-64430	-2.02	1.92	-805035	-134865	SLV 3	3.785				Si
213	16.08	1.1	0	2	-145659	-58602	-64321	-2.02	1.92	-571749	-230029	SLV 3	3.925				Si
242	16.08	1.1	0	2	-90948	-78831	-64209	-2.02	1.92	-365257	-316594	SLV 3	4.016				Si
272	16.08	1.1	0	2	-58461	-99704	-64099	-2.02	1.92	-233983	-399054	SLV 3	4.002				Si
301	16.08	1.1	0	2	-58105	-120731	-63989	-2.02	1.92	-225296	-468124	SLV 3	3.877				Si
331	16.08	1.1	0	2	152693	-141811	-63878	-2.02	1.92	533695	-495663	SLV 3	3.495				Si
360	16.08	1.1	0	2	278725	-162554	-63770	-2.02	1.92	861159	-502234	SLV 3	3.09				Si
380	16.08	2.1	0	2,3	-190311	340928	-51224	-2.02	1.92	-530041	949531	SLV 3	2.785				Si
409	16.08	2.1	0	2,3	-159081	278382	-51115	-2.02	1.92	-509144	890969	SLV 3	3.201				Si
438	16.08	1.1	0	3	-131908	215933	-51006	-2.02	1.92	-482279	789493	SLV 3	3.656				Si
467	16.08	1.1	0	3	-111484	153717	-50897	-2.02	1.92	-461047	635704	SLV 3	4.136				Si
496	16.08	1.1	0	3	-101586	92357	-50789	-2.02	1.92	-472140	429247	SLV 3	4.648				Si
525	16.08	1.1	0	3	33644	33656	-50917	-2.02	1.92	179572	179638	SLV 7	5.337				Si
554	16.08	1.1	0	3	155325	-39302	-50571	-2.02	1.92	746447	-188873	SLV 3	4.806				Si
583	16.08	1.1	0	3	177154	-100242	-50462	-2.02	1.92	755097	-427271	SLV 3	4.262				Si
612	16.08	1.1	0	3	205148	-162367	-50354	-2.02	1.92	771473	-610590	SLV 3	3.761				Si
641	16.08	1.1	0	3	236858	-224783	-50245	-2.02	1.92	779152	-739432	SLV 3	3.29				Si
670	16.08	1.1	0	3	270843	-287314	-50136	-2.02	1.92	774015	-821085	SLV 3	2.858				Si
690	16.08	2.1	0	3,4	-188342	274541	-37571	-2.02	1.92	-636229	927414	SLV 3	3.378				Si
719	16.08	2.1	0	3,4	151108	199433	-35775	-2.02	1.92	649042	856607	SLV 1	4.295				Si
748	16.08	1.1	0	4	196408	149457	-35667	-2.02	1.92	896356	682085	SLV 1	4.564				Si
777	16.08	1.1	0	4	179503	99604	-35558	-2.02	1.92	942227	522828	SLV 1	5.249				Si
806	16.08	1.1	0	4	175084	50243	-35449	-2.02	1.92	1029640	295473	SLV 1	5.881				Si
835	16.08	1.1	0	4	156769	-6825	-37027	-2.02	1.92	1000480	-43553	SLV 3	6.382				Si
864	16.08	1.1	0	4	204275	-59127	-36918	-2.02	1.92	1103226	-319328	SLV 3	5.401				Si
893	16.08	1.1	0	4	232194	-112763	-36809	-2.02	1.92	1080636	-524800	SLV 3	4.654				Si
922	16.08	1.1	0	4	264940	-167360	-36701	-2.02	1.92	1044112	-659556	SLV 3	3.941				Si
951	16.08	1.1	0	4	300711	-222191	-36592	-2.02	1.92	997467	-737011	SLV 3	3.317				Si
980	16.08	1.1	0	4	338443	-277113	-36483	-2.02	1.92	948451	-776582	SLV 3	2.802				Si
1000	16.08	2.1	0	4,5	226559	250502	-22760	-2.02	1.92	774636	856499	SLV 1	3.419				Si
1029	16.08	2.1	0	4,5	198178	199061	-22651	-2.02	1.92	835348	839070	SLV 1	4.215				Si
1058	16.08	1.1	0	5	176667	147662	-22542	-2.02	1.92	931563	778623	SLV 1	5.273				Si
1087	16.08	1.1	0	5	164493	96384	-22434	-2.02	1.92	1077588	631410	SLV 1	6.551				Si
1116	16.08	1.1	0	5	140371	50815	-23386	-2.02	1.92	1119518	405271	SLV 3	7.975				Si
1145	16.08	1.1	0	5	172380	-10215	-23277	-2.02	1.92	1441547	-85420	SLV 3	8.363				Si
1174	16.08	1.1	0	5	189429	-64657	-23169	-2.02	1.92	1294680	-441911	SLV 3	6.835				Si
1203	16.08	1.1	0	5	211925	-120352	-23060	-2.02	1.92	1138279	-646425	SLV 3	5.371				Si
1232	16.08	1.1	0	5	238037	-176356	-22951	-2.02	1.92	1003673	-743599	SLV 3	4.216				Si
1261	16.08	1.1	0	5	266564	-232450	-22842	-2.02	1.92	900589	-785333	SLV 3	3.379				Si
1290	16.08	1.1	0	5	296743	-288581	-22734	-2.02	1.92	827863	-805093	SLV 3	2.79				Si
1310	16.08	1.1	0	5	116827	276971	-10087	-2.02	1.92	366764	869521	SLV 3	3.139				Si
1339	16.05	2.1	0	5,6,7	103686	212943	-9978	-2.02	1.92	460547	945835	SLV 3	4.442				Si
1368	16.08	1.1	0	6,7	109410	148958	-9870	-2.02	1.92	656973	894450	SLV 3	6.005				Si
1397	16.08	1.1	0	6,7	114092	85160	-9761	-2.02	1.92	993146	741298	SLV 3	8.705				Si
1426	16.08	1.1	0	6,7	-121528	24142	-7808	-2.02	1.92	-1602016	318244	SLV 13	13.182				Si
1455	16.08	1.1	0	6,7	120052	-44035	-9543	-2.02	1.92	1369802	-502444	SLV 3	11.41				Si
1484	16.08	1.1	0	6,7	129373	-107832	-9435	-2.02	1.92	913069	-761044	SLV 3	7.058				Si
1513	16.08	1.1	0	6,7	141503	-171818	-9326	-2.02	1.92	696912	-846214	SLV 3	4.925				Si
1542	16.08	1.1	0	6,7	155644	-235846	-9217	-2.02	1.92	526726	-798145	SLV 3	3.384				Si
1571	16.08	1.1	0	6,7	171220	-299892	-9108	-2.02	1.92	432294	-757163	SLV 3	2.525				Si
1600	22.11	2.1	0	6,7	187832	-363946	-9000	-2.02	1.92	484449	-938674	SLV 3	2.579				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2.1	0	1,2	328252	-190252	-57173	991568	-574704	SLD 13	3.021	Si
-111	16.08	2.1	0	1,2	305974	-177664	-57064	960633	-557791	SLD 13	3.14	Si
-81	16.08	1.1	0	2	283331	-164859	-56954	925053	-538252	SLD 13	3.265	Si
-52	16.08	1.1	0	2	260714	-152056	-56844	885062	-516192	SLD 13	3.395	Si
-22	16.08	1.1	0	2	238135	-139255	-56733	840497	-491500	SLD 13	3.529	Si
7	16.08	1.1	0	2	215601	-126457	-56623	791215	-464074	SLD 13	3.67	Si
36	16.08	1.1	0	2	193131	-113665	-56513	737108	-433814	SLD 13	3.817	Si
66	16.08	1.1	0	2	170761	-100881	-56402	678510	-400848	SLD 13	3.973	Si
95	16.08	1.1	0	2	148529	-88116	-56292	615372	-365071	SLD 13	4.143	Si
125	16.08	1.1	0	2	-145383	-29256	-60933	-620552	-124877	SLD 3	4.268	Si
154	16.08	1.1	0	2	-98291	-46244	-60935	-430314	-202455	SLD 7	4.378	Si
184	16.08	1.1	0	2	-70207	-46421	-60825	-313691	-207413	SLD 7	4.468	Si
213	16.08	1.1	0	2	-43978	-48007	-60716	-196849	-214882	SLD 7	4.476	Si
242	16.08	1.1	0	2	-22392	-49771	-60604	-100414	-223191	SLD 7	4.484	Si
272	16.08	1.1	0	2	9342	-51741	-60494	41969	-232449	SLD 7	4.493	Si
301	16.08	1.1	0	2	40956	-53766	-60384	184332	-241984	SLD 7	4.501	Si
331	16.08	1.1	0	2	77409	-73945	-60162	334258	-319299	SLD 3	4.318	Si
360	16.08	1.1	0	2	130023	-80150	-60054	529276	-326262	SLD 3	4.071	Si
380	16.08	2.1	0	2,3	-57131	253253	-48407	-213730	947424	SLD 3	3.741	Si
409	16.08	2.1	0	2,3	-46533	207845	-48299	-191227	854138	SLD 3	4.109	Si
438	16.08	1.1	0	3	-37558	162493	-48190	-169030	731299	SLD 3	4.5	Si
467	16.08	1.1	0	3	-31234	117275	-48081	-154469	579985	SLD 3	4.946	Si
496	16.08	1.1	0	3	-28963	72529	-47972	-158122	395966	SLD 3	5.459	Si
525	16.08	1.1	0	3	27262	28859	-47959	154485	163536	SLD 7	5.667	Si
554	16.08	1.1	0	3	60533	-17194	-47850	343802	-97657	SLD 7	5.68	Si
583	16.08	1.1	0	3	79793	-66542	-47646	418556	-349050	SLD 3	5.246	Si
612	16.08	1.1	0	3	89066	-111715	-47537	424216	-532092	SLD 3	4.763	Si
641	16.08	1.1	0	3	99833	-157050	-47429	433961	-682676	SLD 3	4.347	Si
670	16.08	1.1	0	3	111533	-202450	-47320	442224	-802709	SLD 3	3.965	Si
690	16.08	2.1	0	3,4	-54777	186973	-35542	-274274	936185	SLD 3	5.007	Si
719	16.08	2.1	0	3,4	80090	141265	-34772	441388	778538	SLD 1	5.511	Si
748	16.08	1.1	0	4	97251	105532	-34663	572898	621677	SLD 1	5.891	Si
777	16.08	1.1	0	4	89807	69862	-34555	584022	454315	SLD 1	6.503	Si
806	16.08	1.1	0	4	87153	34447	-34446	623658	246499	SLD 1	7.156	Si
835	16.08	1.1	0	4	85291	-5448	-34337	658433	-42057	SLD 1	7.72	Si
864	16.08	1.1	0	4	96102	-41275	-34890	659536	-283266	SLD 3	6.863	Si
893	16.08	1.1	0	4	105693	-78250	-34781	655294	-485150	SLD 3	6.2	Si
922	16.08	1.1	0	4	117226	-115736	-34672	655777	-647445	SLD 3	5.594	Si
951	16.08	1.1	0	4	129998	-153350	-34563	652838	-770108	SLD 3	5.022	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
980	16.08	1.1	0	4	143582	-191015	-34455	643858	-856562	SLD 3	4.484	Si
1000	16.08	2.1	0	4,5	113132	186109	-22148	586386	964644	SLD 1	5.183	Si
1029	16.08	2.1	0	4,5	99075	148450	-22039	614512	920758	SLD 1	6.202	Si
1058	16.08	1.1	0	5	87549	110812	-21930	649491	822069	SLD 1	7.419	Si
1087	16.08	1.1	0	5	79404	73238	-21821	696127	642064	SLD 1	8.767	Si
1116	16.08	1.1	0	5	64613	38143	-22130	661687	390612	SLD 3	10.241	Si
1145	16.08	1.1	0	5	75033	-3933	-22021	848314	-44461	SLD 3	11.306	Si
1174	16.08	1.1	0	5	78053	-42575	-21912	766801	-418260	SLD 3	9.824	Si
1203	16.08	1.1	0	5	83414	-81855	-21803	701564	-688454	SLD 3	8.411	Si
1232	16.08	1.1	0	5	90378	-121305	-21695	640894	-860209	SLD 3	7.091	Si
1261	16.08	1.1	0	5	98430	-160803	-21586	583075	-952563	SLD 3	5.924	Si
1290	16.08	1.1	0	5	107231	-200322	-21477	532471	-994725	SLD 3	4.966	Si
1310	16.08	1.1	0	5	60497	202415	-9528	313210	1047965	SLD 3	5.177	Si
1339	16.05	2.1	0	5,6,7	64498	150390	-9220	437169	1019341	SLD 1	6.778	Si
1368	16.08	1.1	0	6,7	50203	111673	-9310	460818	1025046	SLD 3	9.179	Si
1397	16.08	1.1	0	6,7	47918	66395	-9201	660635	915372	SLD 3	13.787	Si
1426	16.08	1.1	0	6,7	-50476	22124	-8367	-1083572	474936	SLD 13	21.467	Si
1455	16.08	1.1	0	6,7	41453	-24882	-8984	882521	-529721	SLD 3	21.29	Si
1484	16.08	1.1	0	6,7	41235	-70156	-8875	568234	-966781	SLD 3	13.78	Si
1513	16.08	1.1	0	6,7	42382	-115517	-8766	388392	-1058602	SLD 3	9.164	Si
1542	16.08	1.1	0	6,7	44503	-160898	-8658	302037	-1091988	SLD 3	6.787	Si
1571	16.08	1.1	0	6,7	47313	-206286	-8549	233017	-1015969	SLD 3	4.925	Si
1600	22.11	2.1	0	6,7	50612	-251679	-8440	241846	-1202624	SLD 3	4.778	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	175	-97158	SLU 49	12805	42315	43268	2.4	241.5	441	-77922	SLU 42	12600	39534	45230	2.5	89.6	Si
-111	4X/2Y Ø8/10	175	-97017	SLU 49	12805	42315	43268	2.4	241.5	441	-77781	SLU 42	12600	39534	45230	2.5	89.6	Si
-81	4X/2Y Ø8/10	175	-96874	SLU 49	12805	42315	43268	2.4	241.5	441	-77637	SLU 42	12600	39534	45230	2.5	89.6	Si
-52	4X/2Y Ø8/10	175	-96731	SLU 49	12805	42315	43268	2.4	241.5	441	-77494	SLU 42	12600	39534	45230	2.5	89.6	Si
-22	4X/2Y Ø8/15	175	-96587	SLU 49	12805	29386	42024	2.5	167.71	441	-77351	SLU 42	12600	26356	45230	2.5	59.73	Si
7	4X/2Y Ø8/15	175	-96444	SLU 49	12805	29386	42024	2.5	167.71	441	-77207	SLU 42	12600	26356	45230	2.5	59.73	Si
36	4X/2Y Ø8/15	175	-96300	SLU 49	12805	29386	42024	2.5	167.71	441	-77064	SLU 42	12600	26356	45230	2.5	59.73	Si
66	4X/2Y Ø8/15	175	-96157	SLU 49	12805	29386	42024	2.5	167.71	441	-76920	SLU 42	12600	26356	45230	2.5	59.73	Si
95	4X/2Y Ø8/15	175	-96014	SLU 49	12805	29386	42024	2.5	167.71	441	-76777	SLU 42	12600	26356	45230	2.5	59.73	Si
125	4X/2Y Ø8/15	175	-95869	SLU 49	12805	29386	42024	2.5	167.71	441	-76632	SLU 42	12600	26356	45230	2.5	59.73	Si
154	4X/2Y Ø8/15	175	-95727	SLU 49	12805	29386	42024	2.5	167.71	441	-76490	SLU 42	12600	26356	45230	2.5	59.73	Si
184	4X/2Y Ø8/15	175	-95584	SLU 49	12805	29386	42024	2.5	167.71	441	-76347	SLU 42	12600	26356	45230	2.5	59.73	Si
213	4X/2Y Ø8/15	175	-95442	SLU 49	12805	29386	42024	2.5	167.71	441	-76206	SLU 42	12600	26356	45230	2.5	59.73	Si
242	4X/2Y Ø8/10	175	-95297	SLU 49	12805	42315	43268	2.4	241.5	441	-76060	SLU 42	12600	39534	45230	2.5	89.6	Si
272	4X/2Y Ø8/10	175	-95153	SLU 49	12805	42315	43268	2.4	241.5	441	-75917	SLU 42	12600	39534	45230	2.5	89.6	Si
301	4X/2Y Ø8/10	175	-95010	SLU 49	12805	42315	43268	2.4	241.5	441	-75773	SLU 42	12600	39534	45230	2.5	89.6	Si
331	4X/2Y Ø8/10	175	-94867	SLU 49	12805	42315	43268	2.4	241.5	441	-75630	SLU 42	12600	39534	45230	2.5	89.6	Si
360	4X/2Y Ø8/10	175	-94726	SLU 49	12805	42315	43268	2.4	241.5	441	-75489	SLU 42	12600	39534	45230	2.5	89.6	Si
380	4X/2Y Ø8/10	-1973	-76581	SLU 51	12805	42315	43268	2.4	21.45	-368	-61961	SLU 39	12600	39534	44773	2.5	107.29	Si
409	4X/2Y Ø8/10	-1973	-76440	SLU 51	12805	42315	43268	2.4	21.45	-368	-61819	SLU 39	12600	39534	44753	2.5	107.29	Si
438	4X/2Y Ø8/10	-1973	-76299	SLU 51	12805	42315	43268	2.4	21.45	-368	-61678	SLU 39	12600	39534	44734	2.5	107.29	Si
467	4X/2Y Ø8/14.4	-1973	-76157	SLU 51	12805	30516	42024	2.5	15.47	-368	-61536	SLU 39	12600	27370	44714	2.5	74.28	Si
496	4X/2Y Ø8/14.4	-1973	-76016	SLU 51	12805	30516	42024	2.5	15.47	-368	-61395	SLU 39	12600	27370	44695	2.5	74.28	Si
525	4X/2Y Ø8/14.4	-1973	-75874	SLU 51	12805	30516	42024	2.5	15.47	-368	-61254	SLU 39	12600	27370	44675	2.5	74.28	Si
554	4X/2Y Ø8/14.4	-1973	-75733	SLU 51	12805	30516	42024	2.5	15.47	-368	-61112	SLU 39	12600	27370	44655	2.5	74.28	Si
583	4X/2Y Ø8/14.4	-1973	-75592	SLU 51	12805	30516	42024	2.5	15.47	-368	-60971	SLU 39	12600	27370	44636	2.5	74.28	Si
612	4X/2Y Ø8/10	-1973	-75450	SLU 51	12805	42315	43268	2.4	21.45	-368	-60830	SLU 39	12600	39534	44616	2.5	107.29	Si
641	4X/2Y Ø8/10	-1973	-75309	SLU 51	12805	42315	43268	2.4	21.45	-368	-60688	SLU 39	12600	39534	44597	2.5	107.29	Si
670	4X/2Y Ø8/10	-1973	-75168	SLU 51	12805	42315	43268	2.4	21.45	-368	-60547	SLU 39	12600	39534	44577	2.5	107.29	Si
690	4X/2Y Ø8/10	-1547	-56659	SLU 52	12805	41434	42752	2.35	26.78	-259	-46198	SLU 36	11795	39534	42588	2.5	152.7	Si
719	4X/2Y Ø8/10	-1547	-56518	SLU 52	12805	41434	42733	2.35	26.78	-259	-46057	SLU 36	11776	39534	42568	2.5	152.7	Si
748	4X/2Y Ø8/10	-1547	-56376	SLU 52	12805	41434	42714	2.35	26.78	-259	-45915	SLU 36	11757	39534	42549	2.5	152.7	Si
777	4X/2Y Ø8/14.4	-1547	-56235	SLU 52	12805	30516	40862	2.5	19.72	-259	-45774	SLU 36	11738	27370	42529	2.5	105.71	Si
806	4X/2Y Ø8/14.4	-1547	-56094	SLU 52	12805	30516	40844	2.5	19.72	-259	-45633	SLU 36	11719	27370	42510	2.5	105.71	Si
835	4X/2Y Ø8/14.4	-1547	-55952	SLU 52	12805	30516	40826	2.5	19.72	-259	-45491	SLU 36	11700	27370	42490	2.5	105.71	Si
864	4X/2Y Ø8/14.4	-1547	-55811	SLU 52	12805	30516	40808	2.5	19.72	-259	-45350	SLU 36	11681	27370	42470	2.5	105.71	Si
893	4X/2Y Ø8/14.4	-1547	-55669	SLU 52	12805	30516	40789	2.5	19.72	-259	-45209	SLU 36	11662	27370	42451	2.5	105.71	Si
922	4X/2Y Ø8/10	-1547	-55528	SLU 52	12805	41434	42600	2.35	26.78	-259	-45067	SLU 36	11644	39534	42431	2.5	152.7	Si
951	4X/2Y Ø8/10	-1547	-55387	SLU 52	12805	41434	42580	2.35	26.78	-259	-44926	SLU 36	11625	39534	42412	2.5	152.7	Si
980	4X/2Y Ø8/10	-1547	-55245	SLU 52	12805	41434	42561	2.35	26.78	-259	-44784	SLU 36	11606	39534	42392	2.5	152.7	Si
1000	4X/2Y Ø8/10	-1635	-36500	SLU 51	10850	40552	40636	2.3	24.8	-443	-36515	SLU 52	10498	39534	41246	2.5	89.18	Si
1029	4X/2Y Ø8/10	-1635	-36359	SLU 51	10832	40552	40616	2.3	24.8	-443	-36373	SLU 52	10479	39534	41226	2.5	89.18	Si
1058	4X/2Y Ø8/10	-1635	-36218	SLU 51	10814	40552	40597	2.3	24.8	-443	-36232	SLU 52	10460	39534	41206	2.5	89.18	Si
1087	4X/2Y Ø8/14.4	-1635	-36076	SLU 51	10797	30516	38266	2.5	18.66	-443	-36090	SLU 52	10441	27370	41187	2.5	61.74	Si
1116	4X/2Y Ø8/14.4	-1635	-35935	SLU 51	10779	30516	38248	2.5	18.66	-443	-35949	SLU 52	10422	27370	41167	2.5	61.74	Si
1145	4X/2Y Ø8/14.4	-1635	-35794	SLU 51	10762	30516	38229	2.5	18.66	-443	-35808	SLU 52	10403	27370	41148	2.5	61.74	Si
1174	4X/2Y Ø8/14.4	-1635	-35652	SLU 51	10744	30516	38211	2.5	18.66	-443	-35666	SLU 52	10384	27370	41128	2.5	61.74	Si
1203	4X/2Y Ø8/14.4	-1635	-35511	SLU 51	10726	30516	38193	2.5	18.66	-443	-35525	SLU 52	10365	27370	41108	2.5	61.74	Si
1232	4X/2Y Ø8/10	-1635	-35369	SLU 51	10709	39671	41087	2.25	24.26	-443	-35384	SLU 52	10346	39534	41089	2.5	89.18	Si
1261	4X/2Y Ø8/10	-1635	-35228	SLU 51	10691	39671	41068	2.25	24.26	-443	-35242	SLU 52	10327	39534	41069	2.5	89.18	Si
1290	4X/2Y Ø8/10	-1635	-35087	SLU 51	10674	39671	41048	2.25	24.26	-443	-35101	SLU 52	10308	39534	41050	2.5	89.18	Si
1310	4X/2Y Ø8/10	-2028	-16175	SLU 52	8319	38789	39004	2.2	19.13	-478	-16151	SLU 49	7769	38743	38985	2.45	81.02	Si
1339	4X/2Y Ø8/10	-2028	-16034	SLU 52	8302	38789	38984	2.2	19.13	-478	-16010	SLU 49	7750	38743	38965	2.45	81.02	Si
1368	4X/2Y Ø8/10	-2028	-15892	SLU 52	8284	38789	38964	2.2	19.13	-478	-15868	SLU 49	7731	38743	38946	2.45	81.02	Si
1397	4X/2Y Ø8/14.4	-2028	-15751	SLU 52	8266	30516	35648	2.5	15.05	-478	-15727	SLU 49	7712	27370	38364	2.5	57.23	Si
1426	4X/2Y Ø8/14.4	-2028	-15610	SLU 52	8249	30516	35630	2.5	15.05	-478	-15585	SLU 49	7693	27370	38344	2.5	57.23	Si
1455	4X/2Y Ø8/14.4	-2028	-15468	SLU 52	8231	30516	35612	2.5	15.05	-478	-15444	SLU 49	7674	27370	38325	2.5	57.23	Si
1484	4X/2Y Ø8/14.4	-2028	-15327	SLU 52	8214	30516	35594	2.5	15.05	-478	-15303	SLU 49	7655	27370	38305	2.5	57.23	Si
1513	4X/2Y Ø8/14.4	-2028	-15186	SLU 52	8196	30516	35575	2.5	15.05	-478	-15161	SLU 49	7636	27370	38286	2.5	57.23	Si
1542	4X/2Y Ø8/10	-2028	-15044	SLU 52	8178	38789	38845	2.2	19.13	-478	-15020	SLU 49	7617	38743	38826	2.45	81.02	Si
1571	4X/2Y Ø8/10	-2028	-14903	SLU 52	8161	38789	38825	2.2	19.13	-478	-14879	SLU 49	7598	38743	38806	2.45	81.02	Si
1600	4X/2Y Ø8/10	-2028	-14761	SLU 52	8143	38789	38805	2.2	19.13	-478	-14737	SLU 49	7579	38743	38786	2.45	81.02	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	939	-53456	SLV 13	12805	41434	42321	2.35	44.12	2605	-65641	SLV 3	12600	39534	45230	2.5	15.17	Si
-111	4X/2Y Ø8/10	939	-53348	SLV 13	12805	41434	42306	2.35	44.12	2605	-65533	SLV 3	12600	39534	45230	2.5	15.17	Si
-81	4X/2Y Ø8/10	939	-53237	SLV 13	12805	41434	42291	2.35	44.12	2605	-65423	SLV 3	12600	39534	45230	2.5	15.17	Si
-52	4X/2Y Ø8/10	939	-53127	SLV 13	12805	41434	42276	2.35	44.12	2605	-65312	SLV 3	12600	39534	45230	2.5	15.17	Si
-22	4X/2Y Ø8/15	939	-53017	SLV 13	12805	29386	40448	2.5	31.29	2605	-65202	SLV 3	12600	26356	45222	2.5	10.12	Si
7	4X/2Y Ø8/15	939	-52906	SLV 13	12805	29386	40434	2.5	31.29	2605	-65092	SLV 3	12600	26356	45207	2.5	10.12	Si
36	4X/2Y Ø8/15	939	-52796	SLV 13	12805	29386	40419	2.5	31.29	2605	-64981	SLV 3	12600	26356	45192	2.5	10.12	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
66	4X/2Y Ø8/15	939	-52686	SLV 13	12805	29386	40405	2.5	31.29	2605	-64871	SLV 3	12600	26356	45176	2.5	10.12	Si
95	4X/2Y Ø8/15	939	-52576	SLV 13	12805	29386	40391	2.5	31.29	2605	-64761	SLV 3	12600	26356	45161	2.5	10.12	Si
125	4X/2Y Ø8/15	939	-52464	SLV 13	12805	29386	40377	2.5	31.29	2605	-64649	SLV 3	12600	26356	45146	2.5	10.12	Si
154	4X/2Y Ø8/15	939	-52355	SLV 13	12805	29386	40362	2.5	31.29	2605	-64540	SLV 3	12600	26356	45130	2.5	10.12	Si
184	4X/2Y Ø8/15	939	-52245	SLV 13	12805	29386	40348	2.5	31.29	2605	-64430	SLV 3	12600	26356	45115	2.5	10.12	Si
213	4X/2Y Ø8/15	939	-52136	SLV 13	12796	29386	40334	2.5	31.29	2605	-64321	SLV 3	12600	26356	45100	2.5	10.12	Si
242	4X/2Y Ø8/10	939	-52024	SLV 13	12782	41434	42128	2.35	44.12	2605	-64209	SLV 3	12600	39534	45085	2.5	15.17	Si
272	4X/2Y Ø8/10	939	-51914	SLV 13	12769	41434	42113	2.35	44.12	2605	-64099	SLV 3	12600	39534	45069	2.5	15.17	Si
301	4X/2Y Ø8/10	939	-51804	SLV 13	12755	41434	42098	2.35	44.12	2605	-63989	SLV 3	12600	39534	45054	2.5	15.17	Si
331	4X/2Y Ø8/10	939	-51693	SLV 13	12741	41434	42083	2.35	44.12	2605	-63878	SLV 3	12600	39534	45039	2.5	15.17	Si
360	4X/2Y Ø8/10	939	-51585	SLV 13	12728	41434	42069	2.35	44.12	2605	-63770	SLV 3	12600	39534	45024	2.5	15.17	Si
380	4X/2Y Ø8/10	-2162	-51224	SLV 3	12683	41434	42020	2.35	19.16	-1529	-41983	SLV 13	11230	39534	42004	2.5	25.86	Si
409	4X/2Y Ø8/10	-2162	-51115	SLV 3	12669	41434	42006	2.35	19.16	-1529	-41874	SLV 13	11216	39534	41989	2.5	25.86	Si
438	4X/2Y Ø8/10	-2162	-51006	SLV 3	12656	41434	41991	2.35	19.16	-1529	-41765	SLV 13	11201	39534	41973	2.5	25.86	Si
467	4X/2Y Ø8/14.4	-2162	-50897	SLV 3	12642	30516	40175	2.5	14.11	-1529	-41656	SLV 13	11186	27370	41958	2.5	17.9	Si
496	4X/2Y Ø8/14.4	-2162	-50789	SLV 3	12629	30516	40161	2.5	14.11	-1529	-41548	SLV 13	11172	27370	41943	2.5	17.9	Si
525	4X/2Y Ø8/14.4	-2162	-50680	SLV 3	12615	30516	40147	2.5	14.11	-1529	-41439	SLV 13	11157	27370	41928	2.5	17.9	Si
554	4X/2Y Ø8/14.4	-2162	-50571	SLV 3	12601	30516	40133	2.5	14.11	-1529	-41330	SLV 13	11143	27370	41913	2.5	17.9	Si
583	4X/2Y Ø8/14.4	-2162	-50462	SLV 3	12588	30516	40119	2.5	14.11	-1529	-41221	SLV 13	11128	27370	41898	2.5	17.9	Si
612	4X/2Y Ø8/10	-2162	-50354	SLV 3	12574	41434	41903	2.35	19.16	-1529	-41113	SLV 13	11114	39534	41883	2.5	25.86	Si
641	4X/2Y Ø8/10	-2162	-50245	SLV 3	12561	41434	41889	2.35	19.16	-1529	-41004	SLV 13	11099	39534	41868	2.5	25.86	Si
670	4X/2Y Ø8/10	-2162	-50136	SLV 3	12547	41434	41874	2.35	19.16	-1529	-40895	SLV 13	11084	39534	41853	2.5	25.86	Si
690	4X/2Y Ø8/10	-1899	-37571	SLV 3	10983	40552	40782	2.3	21.36	-1626	-30907	SLV 13	9746	39534	40468	2.5	24.31	Si
719	4X/2Y Ø8/10	-1899	-37462	SLV 3	10969	40552	40767	2.3	21.36	-1626	-30799	SLV 13	9732	39534	40453	2.5	24.31	Si
748	4X/2Y Ø8/10	-1899	-37353	SLV 3	10956	40552	40752	2.3	21.36	-1626	-30690	SLV 13	9717	39534	40438	2.5	24.31	Si
777	4X/2Y Ø8/14.4	-1899	-37244	SLV 3	10942	30516	38416	2.5	16.07	-1626	-30581	SLV 13	9702	27370	40423	2.5	16.83	Si
806	4X/2Y Ø8/14.4	-1899	-37136	SLV 3	10929	30516	38402	2.5	16.07	-1626	-30472	SLV 13	9688	27370	40408	2.5	16.83	Si
835	4X/2Y Ø8/14.4	-1899	-37027	SLV 3	10915	30516	38388	2.5	16.07	-1626	-30364	SLV 13	9673	27370	40393	2.5	16.83	Si
864	4X/2Y Ø8/14.4	-1899	-36918	SLV 3	10902	30516	38374	2.5	16.07	-1626	-30255	SLV 13	9659	27370	40378	2.5	16.83	Si
893	4X/2Y Ø8/14.4	-1899	-36809	SLV 3	10888	30516	38360	2.5	16.07	-1626	-30146	SLV 13	9644	27370	40363	2.5	16.83	Si
922	4X/2Y Ø8/10	-1899	-36701	SLV 3	10875	40552	40663	2.3	21.36	-1626	-30037	SLV 13	9630	39534	40348	2.5	24.31	Si
951	4X/2Y Ø8/10	-1899	-36592	SLV 3	10861	40552	40648	2.3	21.36	-1626	-29929	SLV 13	9615	39534	40333	2.5	24.31	Si
980	4X/2Y Ø8/10	-1899	-36483	SLV 3	10848	40552	40633	2.3	21.36	-1626	-29820	SLV 13	9600	39534	40318	2.5	24.31	Si
1000	4X/2Y Ø8/10	-1938	-23821	SLV 3	9271	38789	40080	2.2	20.02	-1549	-19688	SLV 13	8243	38743	39483	2.45	25.02	Si
1029	4X/2Y Ø8/10	-1938	-23712	SLV 3	9258	38789	40065	2.2	20.02	-1549	-19579	SLV 13	8228	38743	39467	2.45	25.02	Si
1058	4X/2Y Ø8/10	-1938	-23604	SLV 3	9244	38789	40049	2.2	20.02	-1549	-19470	SLV 13	8214	38743	39452	2.45	25.02	Si
1087	4X/2Y Ø8/14.4	-1938	-23495	SLV 3	9230	30516	36645	2.5	15.75	-1549	-19361	SLV 13	8199	27370	38868	2.5	17.67	Si
1116	4X/2Y Ø8/14.4	-1938	-23386	SLV 3	9217	30516	36631	2.5	15.75	-1549	-19253	SLV 13	8184	27370	38853	2.5	17.67	Si
1145	4X/2Y Ø8/14.4	-1938	-23277	SLV 3	9203	30516	36617	2.5	15.75	-1549	-19144	SLV 13	8170	27370	38838	2.5	17.67	Si
1174	4X/2Y Ø8/14.4	-1938	-23169	SLV 3	9190	30516	36603	2.5	15.75	-1549	-19035	SLV 13	8155	27370	38823	2.5	17.67	Si
1203	4X/2Y Ø8/14.4	-1938	-23060	SLV 3	9176	30516	36589	2.5	15.75	-1549	-18926	SLV 13	8141	27370	38808	2.5	17.67	Si
1232	4X/2Y Ø8/10	-1938	-22951	SLV 3	9163	38789	39957	2.2	20.02	-1549	-18818	SLV 13	8126	38743	39360	2.45	25.02	Si
1261	4X/2Y Ø8/10	-1938	-22842	SLV 3	9149	38789	39942	2.2	20.02	-1549	-18709	SLV 13	8112	38743	39345	2.45	25.02	Si
1290	4X/2Y Ø8/10	-1938	-22734	SLV 3	9136	38789	39927	2.2	20.02	-1549	-18600	SLV 13	8097	38743	39330	2.45	25.02	Si
1310	4X/2Y Ø8/10	-2209	-10087	SLV 3	7561	37907	38723	2.15	17.16	-1118	-9583	SLV 1	6889	37953	38622	2.4	33.95	Si
1339	4X/2Y Ø8/10	-2209	-9978	SLV 3	7548	37907	38707	2.15	17.16	-1118	-9474	SLV 1	6874	37953	38607	2.4	33.95	Si
1368	4X/2Y Ø8/10	-2209	-9870	SLV 3	7534	37907	38692	2.15	17.16	-1118	-9366	SLV 1	6860	37953	38591	2.4	33.95	Si
1397	4X/2Y Ø8/14.4	-2209	-9761	SLV 3	7521	30516	34877	2.5	13.81	-1118	-9257	SLV 1	6845	27370	37467	2.5	24.48	Si
1426	4X/2Y Ø8/14.4	-2209	-9652	SLV 3	7507	30516	34863	2.5	13.81	-1118	-9148	SLV 1	6830	27370	37452	2.5	24.48	Si
1455	4X/2Y Ø8/14.4	-2209	-9543	SLV 3	7494	30516	34849	2.5	13.81	-1118	-9039	SLV 1	6816	27370	37437	2.5	24.48	Si
1484	4X/2Y Ø8/14.4	-2209	-9435	SLV 3	7480	30516	34835	2.5	13.81	-1118	-8931	SLV 1	6801	27370	37422	2.5	24.48	Si
1513	4X/2Y Ø8/14.4	-2209	-9326	SLV 3	7466	30516	34821	2.5	13.81	-1118	-8822	SLV 1	6787	27370	37407	2.5	24.48	Si
1542	4X/2Y Ø8/10	-2209	-9217	SLV 3	7453	37907	38598	2.15	17.16	-1118	-8713	SLV 1	6772	37953	38498	2.4	33.95	Si
1571	4X/2Y Ø8/10	-2209	-9108	SLV 3	7439	37907	38583	2.15	17.16	-1118	-8604	SLV 1	6758	37953	38483	2.4	33.95	Si
1600	4X/2Y Ø8/10	-2209	-9000	SLV 3	7426	37907	38567	2.15	17.16	-1118	-8496	SLV 1	6743	37953	38467	2.4	33.95	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	436	-57173	SLD 13	13423	44078	40983	2.5	94.09	1128	-61925	SLD 3	13902	39534	44768	2.5	35.06	Si
-111	4X/2Y Ø8/10	436	-57064	SLD 13	13410	44078	40969	2.5	94.06	1128	-61816	SLD 3	13888	39534	44753	2.5	35.06	Si
-81	4X/2Y Ø8/10	436	-56954	SLD 13	13396	44078	40955	2.5	94.02	1128	-61706	SLD 3	13873	39534	44738	2.5	35.06	Si
-52	4X/2Y Ø8/10	436	-56844	SLD 13	13382	44078	40941	2.5	93.99	1128	-61596	SLD 3	13858	39534	44722	2.5	35.06	Si
-22	4X/2Y Ø8/15	436	-56733	SLD 13	13369	29386	40926	2.5	67.46	1128	-61485	SLD 3	13844	26356	44707	2.5	23.37	Si
7	4X/2Y Ø8/15	436	-56623	SLD 13	13355	29386	40912	2.5	67.46	1128	-61375	SLD 3	13829	26356	44692	2.5	23.37	Si
36	4X/2Y Ø8/15	436	-56513	SLD 13	13341	29386	40898	2.5	67.46	1128	-61265	SLD 3	13814	26356	44676	2.5	23.37	Si
66	4X/2Y Ø8/15	436	-56402	SLD 13	13327	29386	40884	2.5	67.46	1128	-61155	SLD 3	13799	26356	44661	2.5	23.37	Si
95	4X/2Y Ø8/15	436	-56292	SLD 13	13314	29386	40870	2.5	67.46	1128	-61044	SLD 3	13784	26356	44646	2.5	23.37	Si
125	4X/2Y Ø8/15	436	-56181	SLD 13	13300	29386	40855	2.5	67.46	1128	-60933	SLD 3	13769	26356	44630	2.5	23.37	Si
154	4X/2Y Ø8/15	436	-56072	SLD 13	13286	29386	40841	2.5	67.46	1128	-60824	SLD 3	13755	26356	44615	2.5	23.37	Si
184	4X/2Y Ø8/15	436	-55961	SLD 13	13273	29386	40827	2.5	67.46	1128	-60713	SLD 3	13740	26356	44600	2.5	23.37	Si
213	4X/2Y Ø8/15	436	-55853	SLD 13	13259	29386	40813	2.5	67.46	1128	-60605	SLD 3	13726	26356	44585	2.5	23.37	Si
242	4X/2Y Ø8/10	436	-55741	SLD 13	13245	44078	40799	2.5	93.67	1128	-60493	SLD 3	13711	39534	44569	2.5	35.06	Si
272	4X/2Y Ø8/10	436	-55630	SLD 13	13231	44078	40784	2.5	93.63	1128	-60383	SLD 3	13696	39534	44554	2.5	35.06	Si
301	4X/2Y Ø8/10	436	-55520	SLD 13	13218	44078	40770	2.5	93.6	1128	-60272	SLD 3	13681	39534	44539	2.5	35.06	Si
331	4X/2Y Ø8/10	436	-55410	SLD 13	13204	44078	40756	2.5	93.57	1128	-60162	SLD 3	13666	39534	44524	2.5	35.06	Si
360	4X/2Y Ø8/10	436	-55301	SLD 13	13190	44078	40742	2.5	93.54	1128	-60054	SLD 3	13652	39534	44509	2.5	35.06	Si
380	4X/2Y Ø8/10	-1569	-48407	SLD 3	12332	44078	39854	2.5	25.4	-650	-44799	SLD 13	11608	39534	42394	2.5	60.82	Si
409	4X/2Y Ø8/10	-1569	-48299	SLD 3	12319	44078	39840	2.5	25.39	-650	-44690	SLD 13	11593	39534	42379	2.5	60.82	Si
438	4X/2Y Ø8/10	-1569	-48190	SLD 3	12305	44078	39826	2.5	25.39	-650	-44581	SLD 13	11578	39534	42364	2.5	60.82	Si
467	4X/2Y Ø8/14.4	-1569	-48081	SLD 3	12291	30516	39812	2.5	19.45	-650	-44473	SLD 13	11564	27370	42349	2.5	42.1	Si
496	4X/2Y Ø8/14.4	-1569	-47972	SLD 3	12278	30516	39798	2.5	19.45	-650	-44364	SLD 13	11549	27370	42334	2.5	42.1	Si
525	4X/2Y Ø8/14.4	-1569	-47864	SLD 3	12264	30516	39784	2.5	19.45	-650	-44255	SLD 13	11535	27370	42319	2.5	42.1	Si
554	4X/2Y Ø8/14.4	-1569	-47755	SLD 3	12251	30516	39770	2.5	19.45	-650	-44146	SLD 13	11520	27370	42304	2.5	42.1	Si
583	4X/2Y Ø8/14.4	-1569	-47646	SLD 3	12237	30516	39756	2.5	19.45	-650	-44038	SLD 13	11506	27370	42288	2.5	42.1	Si
612	4X/2Y Ø8/10	-1569	-47537	SLD 3	12224	44078	39742	2.5	25.33	-650	-43929	SLD 13	11491	39534	42273	2.5	60.82	Si
641	4X/2Y Ø8/10	-1569	-47429	SLD 3	12210	44078	39728	2.5	25.32	-650	-43820	SLD 13	11476	39534	42258	2.5	60.82	Si
670	4X/2Y Ø8/10	-1569	-47320	SLD 3	12197	44078	39714	2.5	25.31	-650	-43711	SLD 13	11462	39534	42243	2.5	60.82	Si
690	4X/2Y Ø8/10	-1301	-35542	SLD 3	10730	44078	38197	2.5	29.35	-679	-32936	SLD 13	10018	39534	40750	2.5	58.19	Si
719	4X/2Y Ø8/10	-1301	-35433	SLD 3	10717	44078	38183	2.5	29.34	-679	-32827	SLD 13	10003	39534	40734	2.5	58.19	Si
748	4X/2Y Ø8/10	-1301	-35325	SLD 3	10703	44078	38169	2.5	29.33	-679	-32718	SLD 13	9989	39534	40719	2.5	58.19	Si
777	4X/2Y Ø8/14.4	-1301	-35216	SLD 3	10690	30516	38155	2.5	23.45	-679	-32610	SLD 13	9974	27370	40704	2.5	40.28	Si
806	4X/2Y Ø8/14.4	-1301	-35107	SLD 3	10676	30516	38141	2.5	23.45	-679	-32501	SLD 13	9960	27370	40689	2.5	40.28	Si
835	4X/2Y Ø8/14.4	-1301	-34998	SLD 3	10663	30516	38127	2.5	23.45	-679	-32392	SLD 13	9945	27370	40674	2.5	40.28	Si
864	4X/2Y Ø8/14.4	-1301	-34890	SLD 3	10649	30516	38113	2.5	23.45	-679	-32283	SLD 13	9931	27370	40659	2.5	40.28	Si
893	4X/2Y Ø8/14.4	-1301	-34781	SLD 3	10636	30516	38099	2.5	23.45	-679	-32175	SLD 13	9916	27370	40644	2.5	40.28	Si
922	4X/2Y Ø8/10	-1301	-34672	SLD 3	10622	44078	38085	2.5	29.27	-679	-32066	SLD 13	9901	39534	40629	2.5	58.19	Si
951	4X/2Y Ø8/10	-1301	-34563	SLD 3	10609	44078	38071	2.5	29.25	-679	-31957	SLD 13	9887	39534	40614	2.5	58.19	Si
980	4X/2Y Ø8/10	-1301	-34455	SLD 3	10595	44078	38057	2.5	29.24	-679	-31848	SLD 13	9872	39534	40599	2.5	58.19	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1000	4X/2Y Ø8/10	-1364	-22565	SLD 3	9115	44078	36526	2.5	26.78	-710	-20944	SLD 13	8411	39534	39087	2.5	55.04	Si
1029	4X/2Y Ø8/10	-1364	-22456	SLD 3	9101	44078	36512	2.5	26.77	-710	-20835	SLD 13	8397	39534	39072	2.5	55.02	Si
1058	4X/2Y Ø8/10	-1364	-22347	SLD 3	9088	44078	36498	2.5	26.76	-710	-20727	SLD 13	8382	39534	39057	2.5	55	Si
1087	4X/2Y Ø8/14.4	-1364	-22238	SLD 3	9074	30516	36484	2.5	22.37	-710	-20618	SLD 13	8367	27370	39042	2.5	38.54	Si
1116	4X/2Y Ø8/14.4	-1364	-22130	SLD 3	9061	30516	36470	2.5	22.37	-710	-20509	SLD 13	8353	27370	39027	2.5	38.54	Si
1145	4X/2Y Ø8/14.4	-1364	-22021	SLD 3	9047	30516	36456	2.5	22.37	-710	-20400	SLD 13	8338	27370	39012	2.5	38.54	Si
1174	4X/2Y Ø8/14.4	-1364	-21912	SLD 3	9033	30516	36442	2.5	22.37	-710	-20292	SLD 13	8324	27370	38997	2.5	38.54	Si
1203	4X/2Y Ø8/14.4	-1364	-21803	SLD 3	9020	30516	36428	2.5	22.37	-710	-20183	SLD 13	8309	27370	38982	2.5	38.54	Si
1232	4X/2Y Ø8/10	-1364	-21695	SLD 3	9006	44078	36414	2.5	26.7	-710	-20074	SLD 13	8295	39534	38967	2.5	54.87	Si
1261	4X/2Y Ø8/10	-1364	-21586	SLD 3	8993	44078	36400	2.5	26.69	-710	-19965	SLD 13	8280	39534	38952	2.5	54.85	Si
1290	4X/2Y Ø8/10	-1364	-21477	SLD 3	8979	44078	36386	2.5	26.68	-710	-19857	SLD 13	8265	39534	38937	2.5	54.83	Si
1310	4X/2Y Ø8/10	-1566	-9528	SLD 3	7492	44078	34847	2.5	22.26	-585	-9329	SLD 1	6855	39534	37477	2.5	64.06	Si
1339	4X/2Y Ø8/10	-1566	-9419	SLD 3	7478	44078	34833	2.5	22.25	-585	-9220	SLD 1	6840	39534	37462	2.5	64.04	Si
1368	4X/2Y Ø8/10	-1566	-9310	SLD 3	7464	44078	34819	2.5	22.24	-585	-9112	SLD 1	6826	39534	37447	2.5	64.01	Si
1397	4X/2Y Ø8/14.4	-1566	-9201	SLD 3	7451	30516	34805	2.5	19.49	-585	-9003	SLD 1	6811	27370	37432	2.5	46.79	Si
1426	4X/2Y Ø8/14.4	-1566	-9093	SLD 3	7437	30516	34791	2.5	19.49	-585	-8894	SLD 1	6796	27370	37417	2.5	46.79	Si
1455	4X/2Y Ø8/14.4	-1566	-8984	SLD 3	7424	30516	34777	2.5	19.49	-585	-8785	SLD 1	6782	27370	37402	2.5	46.79	Si
1484	4X/2Y Ø8/14.4	-1566	-8875	SLD 3	7410	30516	34763	2.5	19.49	-585	-8677	SLD 1	6767	27370	37387	2.5	46.79	Si
1513	4X/2Y Ø8/14.4	-1566	-8766	SLD 3	7397	30516	34749	2.5	19.49	-585	-8568	SLD 1	6753	27370	37372	2.5	46.79	Si
1542	4X/2Y Ø8/10	-1566	-8658	SLD 3	7383	44078	34735	2.5	22.19	-585	-8459	SLD 1	6738	39534	37357	2.5	63.86	Si
1571	4X/2Y Ø8/10	-1566	-8549	SLD 3	7370	44078	34721	2.5	22.18	-585	-8350	SLD 1	6724	39534	37342	2.5	63.83	Si
1600	4X/2Y Ø8/10	-1566	-8440	SLD 3	7356	44078	34707	2.5	22.17	-585	-8242	SLD 1	6709	39534	37326	2.5	63.81	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	-45102	-91670	-68613	SLE RA 10	-52.6	-45102	-91670	-68613	SLE RA 10	-725.5	Si
-111	-41203	-88249	-68505	SLE RA 10	-51.9	-41203	-88249	-68505	SLE RA 10	-717.8	Si
-81	-37236	-84769	-68394	SLE RA 10	-51.2	-37236	-84769	-68394	SLE RA 10	-709.9	Si
-52	-33270	-81288	-68284	SLE RA 10	-50.5	-33270	-81288	-68284	SLE RA 10	-702	Si
-22	-29303	-77808	-68174	SLE RA 10	-49.8	-29303	-77808	-68174	SLE RA 10	-694.2	Si
7	-25336	-74328	-68064	SLE RA 10	-49	-25336	-74328	-68064	SLE RA 10	-686.3	Si
36	-21370	-70848	-67953	SLE RA 10	-48.3	-21370	-70848	-67953	SLE RA 10	-678.4	Si
66	-17403	-67367	-67843	SLE RA 10	-47.6	-23779	-62463	-67905	SLE RA 11	-671	Si
95	-17755	-61334	-67794	SLE RA 11	-46.9	-17755	-61334	-67794	SLE RA 11	-663.9	Si
125	-11670	-60194	-67683	SLE RA 11	-46.3	-11624	-60100	-67705	SLE RA 13	-656.9	Si
154	-5654	-59044	-67596	SLE RA 13	-45.7	-5654	-59044	-67596	SLE RA 13	-650	Si
184	376	-57978	-67486	SLE RA 13	-45.2	376	-57978	-67486	SLE RA 13	-644.9	Si
213	6315	-56928	-67377	SLE RA 13	-45.4	6315	-56928	-67377	SLE RA 13	-646.4	Si
242	12435	-55846	-67265	SLE RA 13	-45.7	12435	-55846	-67265	SLE RA 13	-649.2	Si
272	18465	-54780	-67155	SLE RA 13	-45.9	18465	-54780	-67155	SLE RA 13	-652	Si
301	24495	-53713	-67044	SLE RA 13	-46.1	24495	-53713	-67044	SLE RA 13	-654.8	Si
331	30525	-52647	-66934	SLE RA 13	-46.4	30525	-52647	-66934	SLE RA 13	-657.6	Si
360	36452	-51599	-66826	SLE RA 13	-46.6	36452	-51599	-66826	SLE RA 13	-660.3	Si
380	52031	229763	-54054	SLE RA 12	-60	52031	229763	-54054	SLE RA 12	-753.4	Si
409	46238	189438	-53945	SLE RA 12	-55.1	46238	189438	-53945	SLE RA 12	-704.6	Si
438	40445	149114	-53836	SLE RA 12	-50.2	40445	149114	-53836	SLE RA 12	-655.9	Si
467	34652	108789	-53727	SLE RA 12	-45.3	34652	108789	-53727	SLE RA 12	-607.2	Si
496	28859	68465	-53619	SLE RA 12	-40.3	28859	68465	-53619	SLE RA 12	-558.4	Si
525	23065	28140	-53510	SLE RA 12	-35.4	28475	23962	-53526	SLE RA 13	-509.7	Si
554	21598	-14953	-53417	SLE RA 13	-33.8	21598	-14953	-53417	SLE RA 13	-493.6	Si
583	14720	-53867	-53309	SLE RA 13	-37.6	14720	-53867	-53309	SLE RA 13	-528.7	Si
612	7843	-92782	-53200	SLE RA 13	-41.4	7843	-92782	-53200	SLE RA 13	-563.8	Si
641	-107	-133158	-53075	SLE RA 12	-45.2	-107	-133158	-53075	SLE RA 12	-603.1	Si
670	-5901	-173482	-52966	SLE RA 12	-50	-5901	-173482	-52966	SLE RA 12	-647.9	Si
690	52368	155978	-40026	SLE RA 13	-43.8	52368	155978	-40026	SLE RA 13	-553.9	Si
719	47803	124311	-39917	SLE RA 13	-40	47803	124311	-39917	SLE RA 13	-515.4	Si
748	43237	92644	-39808	SLE RA 13	-36.1	43237	92644	-39808	SLE RA 13	-476.9	Si
777	38672	60976	-39699	SLE RA 13	-32.2	38672	60976	-39699	SLE RA 13	-438.4	Si
806	34107	29309	-39591	SLE RA 13	-28.3	34107	29309	-39591	SLE RA 13	-400	Si
835	29328	-3104	-39466	SLE RA 12	-25	29328	-3104	-39466	SLE RA 12	-367	Si
864	24373	-34501	-39357	SLE RA 12	-28.1	24977	-34025	-39373	SLE RA 13	-395.7	Si
893	20412	-65692	-39264	SLE RA 13	-31.2	20412	-65692	-39264	SLE RA 13	-425	Si
922	15847	-97359	-39156	SLE RA 13	-34.3	15847	-97359	-39156	SLE RA 13	-454.2	Si
951	11282	-129027	-39047	SLE RA 13	-37.5	11282	-129027	-39047	SLE RA 13	-483.4	Si
980	6717	-160694	-38938	SLE RA 13	-40.6	6717	-160694	-38938	SLE RA 13	-513.3	Si
1000	55375	168689	-25842	SLE RA 13	-37.3	55375	168689	-25842	SLE RA 13	-447.7	Si
1029	46452	135279	-25733	SLE RA 13	-32.9	46452	135279	-25733	SLE RA 13	-403.9	Si
1058	37528	101870	-25624	SLE RA 13	-28.6	37528	101870	-25624	SLE RA 13	-360	Si
1087	28604	68461	-25515	SLE RA 13	-24.2	28604	68461	-25515	SLE RA 13	-316.1	Si
1116	19681	35052	-25407	SLE RA 13	-19.8	19681	35052	-25407	SLE RA 13	-272.3	Si
1145	10757	1642	-25298	SLE RA 13	-15.4	10757	1642	-25298	SLE RA 13	-228.4	Si
1174	1833	-31767	-25189	SLE RA 13	-18.1	1833	-31767	-25189	SLE RA 13	-252.4	Si
1203	-7913	-65096	-25071	SLE RA 12	-22.1	-7913	-65096	-25071	SLE RA 12	-292	Si
1232	-16817	-98526	-24962	SLE RA 12	-26.4	-16817	-98526	-24962	SLE RA 12	-334	Si
1261	-25722	-131956	-24853	SLE RA 12	-30.6	-25722	-131956	-24853	SLE RA 12	-376	Si
1290	-34626	-165386	-24745	SLE RA 12	-34.9	-34626	-165386	-24745	SLE RA 12	-418	Si
1310	36729	187103	-11521	SLE RA 13	-40.2	36729	187103	-11521	SLE RA 13	478.3	Si
1339	27332	145382	-11412	SLE RA 13	-24.5	27332	145382	-11412	SLE RA 13	-275.9	Si
1368	17935	103662	-11303	SLE RA 13	-19.2	17935	103662	-11303	SLE RA 13	-222.7	Si
1397	8538	61941	-11195	SLE RA 13	-13.9	8538	61941	-11195	SLE RA 13	-169.6	Si
1426	-1581	20328	-11070	SLE RA 10	-8.7	-1581	20328	-11070	SLE RA 10	-118.4	Si
1455	-10612	-21469	-10972	SLE RA 12	-9.4	-10612	-21469	-10972	SLE RA 12	-126	Si
1484	-20087	-63151	-10863	SLE RA 12	-14.6	-20087	-63151	-10863	SLE RA 12	-177.3	Si
1513	-29563	-104833	-10754	SLE RA 12	-19.8	-29563	-104833	-10754	SLE RA 12	-228.6	Si
1542	-39038	-146514	-10645	SLE RA 12	-25	-39038	-146514	-10645	SLE RA 12	-279.9	Si
1571	-48513	-188196	-10537	SLE RA 12	-42.3	-48513	-188196	-10537	SLE RA 12	553.9	Si
1600	-57988	-229877	-10428	SLE RA 12	-45.6	-57988	-229877	-10428	SLE RA 12	618	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	-56197	-81375	-59549	SLE QP 2	-47.1	Si
-111	-51098	-78193	-59440	SLE QP 2	-46.3	Si
-81	-45910	-74955	-59330	SLE QP 2	-45.5	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
-52	-40722	-71717	-59220	SLE QP 2	-44.7	Si
-22	-35534	-68480	-59109	SLE QP 2	-44	Si
7	-30347	-65242	-58999	SLE QP 2	-43.2	Si
36	-25159	-62004	-58889	SLE QP 2	-42.4	Si
66	-19971	-58767	-58778	SLE QP 2	-41.6	Si
95	-14783	-55529	-58668	SLE QP 2	-40.8	Si
125	-9544	-52259	-58557	SLE QP 2	-40.1	Si
154	-4408	-49054	-58448	SLE QP 2	-39.3	Si
184	780	-45816	-58337	SLE QP 2	-38.6	Si
213	5890	-42627	-58229	SLE QP 2	-38.6	Si
242	11156	-39341	-58117	SLE QP 2	-38.5	Si
272	16343	-36103	-58006	SLE QP 2	-38.4	Si
301	21531	-32865	-57896	SLE QP 2	-38.4	Si
331	26719	-29628	-57786	SLE QP 2	-38.3	Si
360	31819	-26445	-57677	SLE QP 2	-38.2	Si
380	31001	197123	-46603	SLE QP 2	-50.7	Si
409	28600	162624	-46494	SLE QP 2	-46.7	Si
438	26200	128125	-46386	SLE QP 2	-42.6	Si
467	23799	93626	-46277	SLE QP 2	-38.6	Si
496	21399	59127	-46168	SLE QP 2	-34.5	Si
525	18998	24628	-46059	SLE QP 2	-30.5	Si
554	16598	-9871	-45951	SLE QP 2	-28.6	Si
583	14197	-44369	-45842	SLE QP 2	-32.2	Si
612	11797	-78868	-45733	SLE QP 2	-35.8	Si
641	9396	-113367	-45624	SLE QP 2	-39.4	Si
670	6996	-147866	-45516	SLE QP 2	-43	Si
690	33775	130546	-34239	SLE QP 2	-36.4	Si
719	31898	103895	-34130	SLE QP 2	-33.3	Si
748	30022	77244	-34022	SLE QP 2	-30.1	Si
777	28146	50593	-33913	SLE QP 2	-27	Si
806	26269	23942	-33804	SLE QP 2	-23.9	Si
835	24393	-2709	-33695	SLE QP 2	-21.3	Si
864	22516	-29360	-33587	SLE QP 2	-24.1	Si
893	20640	-56011	-33478	SLE QP 2	-26.8	Si
922	18764	-82662	-33369	SLE QP 2	-29.6	Si
951	16887	-109313	-33260	SLE QP 2	-32.4	Si
980	15011	-135964	-33152	SLE QP 2	-35.1	Si
1000	31087	144636	-21754	SLE QP 2	-30.6	Si
1029	26425	115802	-21646	SLE QP 2	-27.1	Si
1058	21763	86967	-21537	SLE QP 2	-23.5	Si
1087	17101	58133	-21428	SLE QP 2	-19.9	Si
1116	12439	29299	-21319	SLE QP 2	-16.3	Si
1145	7777	465	-21211	SLE QP 2	-12.8	Si
1174	3115	-28369	-21102	SLE QP 2	-15.5	Si
1203	-1548	-57203	-20993	SLE QP 2	-18.5	Si
1232	-6210	-86037	-20884	SLE QP 2	-21.9	Si
1261	-10872	-114872	-20776	SLE QP 2	-25.4	Si
1290	-15534	-143706	-20667	SLE QP 2	-28.8	Si
1310	20370	154097	-9165	SLE QP 2	-23.7	Si
1339	14408	120760	-9056	SLE QP 2	-19.6	Si
1368	8446	87424	-8947	SLE QP 2	-15.4	Si
1397	2484	54087	-8839	SLE QP 2	-11.2	Si
1426	-3478	20750	-8730	SLE QP 2	-7.5	Si
1455	-9440	-12587	-8621	SLE QP 2	-7	Si
1484	-15402	-45923	-8512	SLE QP 2	-11	Si
1513	-21365	-79260	-8404	SLE QP 2	-15.1	Si
1542	-27327	-112597	-8295	SLE QP 2	-19.1	Si
1571	-33289	-145934	-8186	SLE QP 2	-23.1	Si
1600	-39251	-179271	-8077	SLE QP 2	-34.8	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

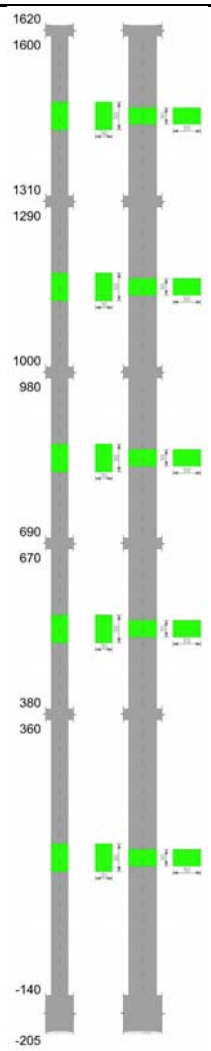
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 990 in quanto nodo interno a piastra.

Pilastro 20B

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x50	No	No	No	No		C30/37	B450C	
380	670	R 30x50	No	No	No	No		C30/37	B450C	
690	980	R 30x50	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.67	-19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.67	19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.67	19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.9	-6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.9	6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.9	-6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.9	6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.2	-9.67	-19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.67	-19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.67	19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.67	19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.9	-6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.9	6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.9	-6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.9	6.9	1.6	2.011	-140	380	R 30x50	B450C
p.3	-9.67	-19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	9.67	-19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	9.67	19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.67	19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.9	-6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.9	6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	9.9	-6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	9.9	6.9	1.6	2.011	380	690	R 30x50	B450C
p.4	-9.67	-19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.67	-19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.67	19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.67	19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.9	-6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.9	6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.9	-6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.9	6.9	1.6	2.011	690	1000	R 30x50	B450C
p.5	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.5	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.5	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.6	-9.67	-19.67	1.6	2.011	1310.1	1620	R 30x50	B450C
p.6	9.67	-19.67	1.6	2.011	1310.1	1620	R 30x50	B450C
p.6	9.67	19.67	1.6	2.011	1310.1	1620	R 30x50	B450C
p.6	-9.67	19.67	1.6	2.011	1310.1	1620	R 30x50	B450C
p.7	-9.9	-6.9	1.6	2.011	1310.1	1620	R 30x50	B450C
p.7	-9.9	6.9	1.6	2.011	1310.1	1620	R 30x50	B450C
p.7	9.9	-6.9	1.6	2.011	1310.1	1620	R 30x50	B450C
p.7	9.9	6.9	1.6	2.011	1310.1	1620	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2.1	0	1,2	-305609	-305609	-112667	-667210	-667210	SLU 52	2.183	Si
-111	16.08	2.1	0	1,2	-305227	-305227	-112526	-667210	-667210	SLU 52	2.186	Si
-81	16.08	1.1	0	2	-304838	-304838	-112383	-667210	-667210	SLU 52	2.189	Si
-52	16.08	1.1	0	2	-304449	-304449	-112239	-667210	-667210	SLU 52	2.192	Si
-22	16.08	1.1	0	2	-304060	-304060	-112096	-667210	-667210	SLU 52	2.194	Si
7	16.08	1.1	0	2	-303671	-303671	-111952	-667210	-667210	SLU 52	2.197	Si
36	16.08	1.1	0	2	-303282	-303282	-111809	-667210	-667210	SLU 52	2.2	Si
66	16.08	1.1	0	2	-302893	-302893	-111666	-667210	-667210	SLU 52	2.203	Si
95	16.08	1.1	0	2	-302504	-302504	-111522	-667210	-667210	SLU 52	2.206	Si
125	16.08	1.1	0	2	-302111	-302111	-111377	-667210	-667210	SLU 52	2.208	Si
154	16.08	1.1	0	2	-301726	-301726	-111236	-667210	-667210	SLU 52	2.211	Si
184	16.08	1.1	0	2	-301337	-301337	-111092	-667210	-667210	SLU 52	2.214	Si
213	16.08	1.1	0	2	-300954	-300954	-110951	-667210	-667210	SLU 52	2.217	Si
242	16.08	1.1	0	2	-300560	-300560	-110805	-667210	-667210	SLU 52	2.22	Si
272	16.08	1.1	0	2	-300171	-300171	-110662	-667210	-667210	SLU 52	2.223	Si
301	16.08	1.1	0	2	-299782	-299782	-110519	-667210	-667210	SLU 52	2.226	Si
331	16.08	1.1	0	2	299393	-299393	-110375	667210	-667210	SLU 52	2.229	Si
360	16.08	1.1	0	2	299011	-299011	-110234	667210	-667210	SLU 52	2.231	Si
380	16.08	2.1	0	2,3	177970	303969	-88985	475049	811372	SLU 51	2.669	Si
409	16.08	2.1	0	2,3	177687	252587	-88844	496755	706151	SLU 51	2.796	Si
438	16.08	1.1	0	3	177405	201206	-88702	520031	589799	SLU 51	2.931	Si
467	16.08	1.1	0	3	177122	177122	-88561	530708	530708	SLU 51	2.996	Si
496	16.08	1.1	0	3	176839	176839	-88420	530708	530708	SLU 51	3.001	Si
525	16.08	1.1	0	3	176556	176556	-88278	530708	530708	SLU 51	3.006	Si
554	16.08	1.1	0	3	176274	-176274	-88137	530708	-530708	SLU 51	3.011	Si
583	16.08	1.1	0	3	175991	-175991	-87995	530708	-530708	SLU 51	3.016	Si
612	16.08	1.1	0	3	175708	-175708	-87854	530708	-530708	SLU 51	3.02	Si
641	16.08	1.1	0	3	175425	-175425	-87713	530708	-530708	SLU 51	3.025	Si
670	16.08	1.1	0	3	-175148	-208963	-87574	-515447	-614963	SLU 51	2.943	Si
690	16.08	2.1	0	3,4	130194	153453	-65097	516595	608886	SLU 52	3.968	Si
719	16.08	2.1	0	3,4	129917	129917	-64958	530708	530708	SLU 51	4.085	Si
748	16.08	1.1	0	4	129634	129634	-64817	530708	530708	SLU 51	4.094	Si
777	16.08	1.1	0	4	129351	129351	-64676	530708	530708	SLU 51	4.103	Si
806	16.08	1.1	0	4	129068	129068	-64534	530708	530708	SLU 51	4.112	Si
835	16.08	1.1	0	4	128786	-128786	-64393	530708	-530708	SLU 51	4.121	Si
864	16.08	1.1	0	4	128503	-128503	-64251	530708	-530708	SLU 51	4.13	Si
893	16.08	1.1	0	4	128220	-128220	-64110	530708	-530708	SLU 51	4.139	Si
922	16.08	1.1	0	4	-127937	-127937	-63969	-530708	-530708	SLU 51	4.148	Si
951	16.08	1.1	0	4	-127649	-147413	-63824	-518430	-598700	SLU 52	4.061	Si
980	16.08	1.1	0	4	-127366	-180843	-63683	-496887	-705512	SLU 52	3.901	Si
1000	16.08	2.1	0	4,5	119329	167351	-43036	620357	870005	SLU 51	5.199	Si
1029	16.08	2.1	0	4,5	99917	136959	-42897	558066	764956	SLU 51	5.585	Si
1058	16.08	1.1	0	5	85511	106033	-42755	511523	634287	SLU 51	5.982	Si
1087	16.08	1.1	0	5	85228	85228	-42614	530708	530708	SLU 51	6.227	Si
1116	16.08	1.1	0	5	84945	84945	-42473	530708	530708	SLU 51	6.248	Si
1145	16.08	1.1	0	5	84663	84663	-42331	530708	530708	SLU 51	6.269	Si
1174	16.08	1.1	0	5	84380	-84380	-42190	530708	-530708	SLU 51	6.29	Si
1203	16.08	1.1	0	5	-84097	-84097	-42049	-530708	-530708	SLU 51	6.311	Si
1232	16.08	1.1	0	5	-83814	-83814	-41907	-530708	-530708	SLU 51	6.332	Si
1261	16.08	1.1	0	5	-83532	-110444	-41766	-504735	-667350	SLU 51	6.042	Si
1290	16.08	1.1	0	5	-83249	-141369	-41624	-475853	-808069	SLU 51	5.716	Si
1310	16.08	1.1	0	5	82850	230001	-21100	490169	1360759	SLU 51	5.916	Si
1339	16.05	2.1	0	5,6,7	64583	172226	-20961	479480	1278640	SLU 51	7.424	Si
1368	16.08	1.1	0	6,7	45996	113438	-20820	441495	1088838	SLU 51	9.599	Si
1397	16.08	1.1	0	6,7	41357	54650	-20679	504797	667041	SLU 51	12.206	Si
1426	16.08	1.1	0	6,7	41078	-41078	-20539	530708	-530708	SLU 52	12.919	Si
1455	16.08	1.1	0	6,7	-40792	-62927	-20396	-487393	-751871	SLU 51	11.948	Si
1484	16.08	1.1	0	6,7	-40509	-121715	-20254	-383565	-1152477	SLU 51	9.469	Si
1513	16.08	1.1	0	6,7	-46941	-180503	-20113	-349522	-1344037	SLU 51	7.446	Si
1542	16.08	1.1	0	6,7	-65528	-239292	-19972	-386602	-1411773	SLU 51	5.9	Si
1571	16.08	1.1	0	6,7	-84115	-298080	-19830	-395645	-1402052	SLU 51	4.704	Si
1600	22.11	2.1	0	6,7	-102703	-356868	-19689	-460606	-1600502	SLU 51	4.485	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	16.08	2.1	0	1,2	1002543	-332650	-65911	-2.02	1.92	1409738	-467760	SLV 13	1.406				Si
-111	16.08	2.1	0	1,2	928311	-307608	-65803	-2.02	1.92	1414790	-468810	SLV 13	1.524				Si
-81	16.08	1.1	0	2	852835	-282138	-65692	-2.02	1.92	1415701	-468348	SLV 13	1.66				Si
-52	16.08	1.1	0	2	777414	-256675	-65582	-2.02	1.92	1410333	-465643	SLV 13	1.814				Si
-22	16.08	1.1	0	2	702070	-231222	-65472	-2.02	1.92	1395378	-459559	SLV 13	1.988				Si
7	16.08	1.1	0	2	626821	-205783	-65361	-2.02	1.92	1366979	-448775	SLV 13	2.181				Si
36	16.08	1.1	0	2	551709	-180366	-65251	-2.02	1.92	1321206	-431933	SLV 13	2.395				Si
66	16.08	1.1	0	2	476816	-154990	-65141	-2.02	1.92	1253056	-407308	SLV 13	2.628				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
95	16.08	1.1	0	2	402241	-129686	-65030	-2.02	1.92	1157954	-373335	SLV 13	2.879				Si
125	16.08	1.1	0	2	-353471	-9238	-74290	-2.02	1.92	-1093492	-28579	SLV 3	3.094				Si
154	16.08	1.1	0	2	-275080	-21901	-74181	-2.02	1.92	-898475	-71533	SLV 3	3.266				Si
184	16.08	1.1	0	2	-198255	-31645	-74071	-2.02	1.92	-685958	-109490	SLV 3	3.46				Si
213	16.08	1.1	0	2	-128579	-56025	-73962	-2.02	1.92	-460119	-200486	SLV 3	3.578				Si
242	16.08	1.1	0	2	-78570	-74177	-74480	-2.02	1.92	-284545	-268633	SLV 1	3.622				Si
272	16.08	1.1	0	2	-100188	-90056	-74370	-2.02	1.92	-349392	-314058	SLV 1	3.487				Si
301	16.08	1.1	0	2	-97446	-106532	-74259	-2.02	1.92	-333477	-364572	SLV 1	3.422				Si
331	16.08	1.1	0	2	242657	-107428	-73520	-2.02	1.92	748792	-331502	SLV 3	3.086				Si
360	16.08	1.1	0	2	319756	-120870	-73411	-2.02	1.92	920715	-348036	SLV 3	2.879				Si
380	16.08	2.1	0	2,3	-224778	330220	-58885	-2.02	1.92	-595840	875344	SLV 3	2.651				Si
409	16.08	2.1	0	2,3	-184226	272095	-58776	-2.02	1.92	-550734	813416	SLV 3	2.989				Si
438	16.08	1.1	0	3	-146735	214151	-58668	-2.02	1.92	-492155	718272	SLV 3	3.354				Si
467	16.08	1.1	0	3	-114897	156620	-58559	-2.02	1.92	-429899	586010	SLV 3	3.742				Si
496	16.08	1.1	0	3	-93766	100394	-58450	-2.02	1.92	-390349	417940	SLV 3	4.163				Si
525	16.08	1.1	0	3	-82280	52319	-58341	-2.02	1.92	-375989	239077	SLV 3	4.57				Si
554	16.08	1.1	0	3	157517	-29952	-58233	-2.02	1.92	687131	-130657	SLV 3	4.362				Si
583	16.08	1.1	0	3	180407	-83814	-58124	-2.02	1.92	712928	-331214	SLV 3	3.952				Si
612	16.08	1.1	0	3	213222	-140848	-58015	-2.02	1.92	756916	-499995	SLV 3	3.55				Si
641	16.08	1.1	0	3	251244	-198620	-57906	-2.02	1.92	797335	-630329	SLV 3	3.174				Si
670	16.08	1.1	0	3	291385	-255664	-57800	-2.02	1.92	823387	-722448	SLV 3	2.826				Si
690	16.08	2.1	0	3,4	-193332	192867	-42651	-2.02	1.92	-752564	750751	SLV 3	3.893				Si
719	16.08	2.1	0	3,4	-165246	151987	-42542	-2.02	1.92	-721290	663413	SLV 3	4.365				Si
748	16.08	1.1	0	4	194123	123312	-42767	-2.02	1.92	863542	548545	SLV 1	4.448				Si
777	16.08	1.1	0	4	173521	81290	-42658	-2.02	1.92	855712	400878	SLV 1	4.931				Si
806	16.08	1.1	0	4	165605	39138	-42549	-2.02	1.92	891066	210590	SLV 1	5.381				Si
835	16.08	1.1	0	4	162597	-40266	-42441	-2.02	1.92	878266	-217495	SLV 1	5.401				Si
864	16.08	1.1	0	4	190165	-69061	-41998	-2.02	1.92	948677	-344526	SLV 3	4.989				Si
893	16.08	1.1	0	4	216655	-107694	-41890	-2.02	1.92	976909	-485598	SLV 3	4.509				Si
922	16.08	1.1	0	4	248101	-147929	-41781	-2.02	1.92	997822	-594945	SLV 3	4.022				Si
951	16.08	1.1	0	4	282599	-188791	-41672	-2.02	1.92	1005627	-671812	SLV 3	3.558				Si
980	16.08	1.1	0	4	319056	-229956	-41563	-2.02	1.92	1000576	-721155	SLV 3	3.136				Si
1000	16.08	2.1	0	4,5	263638	208389	-27750	-2.02	1.92	968219	765313	SLV 1	3.673				Si
1029	16.08	2.1	0	4,5	229043	158250	-27643	-2.02	1.92	1031083	712395	SLV 1	4.502				Si
1058	16.08	1.1	0	5	200466	118013	-27534	-2.02	1.92	1073847	632169	SLV 1	5.357				Si
1087	16.08	1.1	0	5	181051	82094	-27425	-2.02	1.92	1119713	507712	SLV 1	6.185				Si
1116	16.08	1.1	0	5	160295	33401	-27317	-2.02	1.92	1180473	245975	SLV 1	7.364				Si
1145	16.08	1.1	0	5	175176	-18473	-26984	-2.02	1.92	1308497	-137989	SLV 3	7.47				Si
1174	16.08	1.1	0	5	185705	-49651	-26875	-2.02	1.92	1257902	-336322	SLV 3	6.774				Si
1203	16.08	1.1	0	5	201675	-85479	-26766	-2.02	1.92	1197281	-507463	SLV 3	5.937				Si
1232	16.08	1.1	0	5	221222	-122780	-26657	-2.02	1.92	1130818	-627611	SLV 3	5.112				Si
1261	16.08	1.1	0	5	243154	-160662	-26549	-2.02	1.92	1063475	-702680	SLV 3	4.374				Si
1290	16.08	1.1	0	5	266720	-198825	-26440	-2.02	1.92	1000721	-745983	SLV 3	3.752				Si
1310	16.08	1.1	0	5	179438	222490	-12733	-2.02	1.92	690996	856784	SLV 1	3.851				Si
1339	16.05	2.1	0	5,6,7	151897	166721	-12626	-2.02	1.92	765248	839929	SLV 1	5.038				Si
1368	16.08	1.1	0	6,7	133063	110734	-12517	-2.02	1.92	934873	777997	SLV 1	7.026				Si
1397	16.08	1.1	0	6,7	126506	41179	-12294	-2.02	1.92	1389947	452441	SLV 3	10.987				Si
1426	16.08	1.1	0	6,7	130526	-14162	-12185	-2.02	1.92	1646842	-178681	SLV 3	12.617				Si
1455	16.08	1.1	0	6,7	141581	-63306	-12077	-2.02	1.92	1274847	-570029	SLV 3	9.004				Si
1484	16.08	1.1	0	6,7	157098	-116329	-11968	-2.02	1.92	988110	-731682	SLV 3	6.29				Si
1513	16.08	1.1	0	6,7	175444	-170075	-11859	-2.02	1.92	819479	-794402	SLV 3	4.671				Si
1542	16.08	1.1	0	6,7	195616	-224061	-11750	-2.02	1.92	717239	-821535	SLV 3	3.667				Si
1571	16.08	1.1	0	6,7	217003	-278155	-11642	-2.02	1.92	604356	-774666	SLV 3	2.785				Si
1600	22.11	2.1	0	6,7	239223	-332307	-11533	-2.02	1.92	672785	-934571	SLV 3	2.812				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2.1	0	1,2	366729	-196562	-68770	976548	-523418	SLD 13	2.663	Si
-111	16.08	2.1	0	1,2	339545	-183272	-68662	937599	-506075	SLD 13	2.761	Si
-81	16.08	1.1	0	2	311910	-169754	-68551	893537	-486299	SLD 13	2.865	Si
-52	16.08	1.1	0	2	284298	-156239	-68441	844908	-464328	SLD 13	2.972	Si
-22	16.08	1.1	0	2	256719	-142728	-68331	791596	-440105	SLD 13	3.084	Si
7	16.08	1.1	0	2	229182	-129224	-68220	733583	-413629	SLD 13	3.201	Si
36	16.08	1.1	0	2	201704	-115729	-68110	671004	-384992	SLD 13	3.327	Si
66	16.08	1.1	0	2	174322	-102251	-68000	603577	-354037	SLD 13	3.462	Si
95	16.08	1.1	0	2	-179417	-36551	-71543	-645411	-131485	SLD 3	3.597	Si
125	16.08	1.1	0	2	-145818	-38235	-71431	-540594	-141751	SLD 3	3.707	Si
154	16.08	1.1	0	2	-74262	-37490	-71569	-281993	-142361	SLD 1	3.797	Si
184	16.08	1.1	0	2	-54489	-39912	-71459	-207231	-151793	SLD 1	3.803	Si
213	16.08	1.1	0	2	-36507	-48258	-71350	-139052	-183812	SLD 1	3.809	Si
242	16.08	1.1	0	2	-32346	-49967	-71238	-123398	-190620	SLD 1	3.815	Si
272	16.08	1.1	0	2	-39420	-52626	-71128	-150618	-201076	SLD 1	3.821	Si
301	16.08	1.1	0	2	-35978	-55538	-71018	-137682	-212530	SLD 1	3.827	Si
331	16.08	1.1	0	2	101705	-51743	-70661	389311	-198066	SLD 3	3.828	Si
360	16.08	1.1	0	2	133655	-53481	-70552	496384	-198625	SLD 3	3.714	Si
380	16.08	2.1	0	2,3	-50135	243158	-56695	-176303	855082	SLD 3	3.517	Si
409	16.08	2.1	0	2,3	86410	183762	-55949	327003	695413	SLD 5	3.784	Si
438	16.08	1.1	0	3	75161	146227	-55840	304940	593266	SLD 5	4.057	Si
467	16.08	1.1	0	3	64424	108900	-55731	281406	475681	SLD 5	4.368	Si
496	16.08	1.1	0	3	54552	72090	-55623	257487	340265	SLD 5	4.72	Si
525	16.08	1.1	0	3	-6356	40124	-56340	-30658	193549	SLD 1	4.824	Si
554	16.08	1.1	0	3	60715	-16297	-56231	293439	-78764	SLD 1	4.833	Si
583	16.08	1.1	0	3	82893	-53586	-55934	390958	-252737	SLD 3	4.716	Si
612	16.08	1.1	0	3	91401	-95101	-55825	398218	-414336	SLD 3	4.357	Si
641	16.08	1.1	0	3	102021	-136926	-55717	411462	-552239	SLD 3	4.033	Si
670	16.08	1.1	0	3	113606	-178143	-55610	426234	-668366	SLD 3	3.752	Si
690	16.08	2.1	0	3,4	-56639	131363	-41067	-296316	687252	SLD 3	5.232	Si
719	16.08	2.1	0	3,4	-48450	103167	-40958	-272516	580285	SLD 3	5.625	Si
748	16.08	1.1	0	4	93374	80133	-40983	523531	449293	SLD 1	5.607	Si
777	16.08	1.1	0	4	83055	51450	-40874	504048	312243	SLD 1	6.069	Si
806	16.08	1.1	0	4	77620	22410	-40766	508191	146725	SLD 1	6.547	Si
835	16.08	1.1	0	4	73242	-21124	-40657	485445	-140008	SLD 1	6.628	Si
864	16.08	1.1	0	4	81812	-44391	-40414	509864	-276647	SLD 3	6.232	Si
893	16.08	1.1	0	4	89353	-71706	-40306	519114	-416587	SLD 3	5.81	Si
922	16.08	1.1	0	4	98903	-99649	-40197	535433	-539473	SLD 3	5.414	Si
951	16.08	1.1	0	4	109711	-127839	-40088	553977	-645515	SLD 3	5.049	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
980	16.08	1.1	0	4	121332	-156149	-39979	570298	-733944	SLD 3	4.7	Si
1000	16.08	2.1	0	4,5	149675	145052	-26585	817414	792166	SLD 1	5.461	Si
1029	16.08	2.1	0	4,5	129294	113522	-26478	813103	713915	SLD 1	6.289	Si
1058	16.08	1.1	0	5	111018	85802	-26369	790112	610648	SLD 1	7.117	Si
1087	16.08	1.1	0	5	96077	59822	-26260	763258	475238	SLD 1	7.944	Si
1116	16.08	1.1	0	5	79479	28717	-26152	720871	260461	SLD 1	9.07	Si
1145	16.08	1.1	0	5	78287	-3604	-25953	772545	-35561	SLD 3	9.868	Si
1174	16.08	1.1	0	5	74710	-27715	-25844	693158	-257138	SLD 3	9.278	Si
1203	16.08	1.1	0	5	73478	-53654	-25735	629908	-459963	SLD 3	8.573	Si
1232	16.08	1.1	0	5	73832	-80180	-25626	582170	-632230	SLD 3	7.885	Si
1261	16.08	1.1	0	5	75259	-106940	-25518	542963	-771528	SLD 3	7.215	Si
1290	16.08	1.1	0	5	77426	-133812	-25409	508114	-878149	SLD 3	6.563	Si
1310	16.08	1.1	0	5	103922	167986	-12109	585373	946234	SLD 1	5.633	Si
1339	16.05	2.1	0	5,6,7	86143	126743	-12002	637637	938161	SLD 1	7.402	Si
1368	16.08	1.1	0	6,7	71354	85091	-11894	738067	880158	SLD 1	10.344	Si
1397	16.08	1.1	0	6,7	61210	37913	-11738	932494	577576	SLD 3	15.234	Si
1426	16.08	1.1	0	6,7	55629	-3625	-11630	1084865	-70701	SLD 3	19.502	Si
1455	16.08	1.1	0	6,7	53377	-42523	-11521	821194	-654204	SLD 3	15.385	Si
1484	16.08	1.1	0	6,7	53296	-83003	-11412	603572	-939993	SLD 3	11.325	Si
1513	16.08	1.1	0	6,7	54594	-123779	-11303	454829	-1031212	SLD 3	8.331	Si
1542	16.08	1.1	0	6,7	56774	-164652	-11195	367208	-1064944	SLD 3	6.468	Si
1571	16.08	1.1	0	6,7	59534	-205569	-11086	314227	-1085011	SLD 3	5.278	Si
1600	22.11	2.1	0	6,7	-111747	-222942	-10811	-560718	-1118662	SLD 5	5.018	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	305	-112541	SLU 49	12805	42315	43268	2.4	138.59	180	-93395	SLU 41	12600	39534	45230	2.5	219.93	Si
-111	4X/2Y Ø8/10	305	-112400	SLU 49	12805	42315	43268	2.4	138.59	180	-93254	SLU 41	12600	39534	45230	2.5	219.93	Si
-81	4X/2Y Ø8/10	305	-112256	SLU 49	12805	42315	43268	2.4	138.59	180	-93111	SLU 41	12600	39534	45230	2.5	219.93	Si
-52	4X/2Y Ø8/10	305	-112113	SLU 49	12805	42315	43268	2.4	138.59	180	-92967	SLU 41	12600	39534	45230	2.5	219.93	Si
-22	4X/2Y Ø8/15	305	-111970	SLU 49	12805	29386	42024	2.5	96.25	180	-92824	SLU 41	12600	26356	45230	2.5	146.62	Si
7	4X/2Y Ø8/15	305	-111826	SLU 49	12805	29386	42024	2.5	96.25	180	-92681	SLU 41	12600	26356	45230	2.5	146.62	Si
36	4X/2Y Ø8/15	305	-111683	SLU 49	12805	29386	42024	2.5	96.25	180	-92537	SLU 41	12600	26356	45230	2.5	146.62	Si
66	4X/2Y Ø8/15	305	-111540	SLU 49	12805	29386	42024	2.5	96.25	180	-92394	SLU 41	12600	26356	45230	2.5	146.62	Si
95	4X/2Y Ø8/15	305	-111396	SLU 49	12805	29386	42024	2.5	96.25	180	-92251	SLU 41	12600	26356	45230	2.5	146.62	Si
125	4X/2Y Ø8/15	305	-111251	SLU 49	12805	29386	42024	2.5	96.25	180	-92106	SLU 41	12600	26356	45230	2.5	146.62	Si
154	4X/2Y Ø8/15	305	-111109	SLU 49	12805	29386	42024	2.5	96.25	180	-91964	SLU 41	12600	26356	45230	2.5	146.62	Si
184	4X/2Y Ø8/15	305	-110966	SLU 49	12805	29386	42024	2.5	96.25	180	-91820	SLU 41	12600	26356	45230	2.5	146.62	Si
213	4X/2Y Ø8/15	305	-110825	SLU 49	12805	29386	42024	2.5	96.25	180	-91679	SLU 41	12600	26356	45230	2.5	146.62	Si
242	4X/2Y Ø8/10	305	-110679	SLU 49	12805	42315	43268	2.4	138.59	180	-91534	SLU 41	12600	39534	45230	2.5	219.93	Si
272	4X/2Y Ø8/10	305	-110536	SLU 49	12805	42315	43268	2.4	138.59	180	-91390	SLU 41	12600	39534	45230	2.5	219.93	Si
301	4X/2Y Ø8/10	305	-110393	SLU 49	12805	42315	43268	2.4	138.59	180	-91247	SLU 41	12600	39534	45230	2.5	219.93	Si
331	4X/2Y Ø8/10	305	-110249	SLU 49	12805	42315	43268	2.4	138.59	180	-91103	SLU 41	12600	39534	45230	2.5	219.93	Si
360	4X/2Y Ø8/10	305	-110108	SLU 49	12805	42315	43268	2.4	138.59	180	-90963	SLU 41	12600	39534	45230	2.5	219.93	Si
380	4X/2Y Ø8/10	-1772	-88985	SLU 51	12805	42315	43268	2.4	23.88	-369	-88985	SLU 51	12600	39534	45230	2.5	107.24	Si
409	4X/2Y Ø8/10	-1772	-88844	SLU 51	12805	42315	43268	2.4	23.88	-369	-88844	SLU 51	12600	39534	45230	2.5	107.24	Si
438	4X/2Y Ø8/10	-1772	-88702	SLU 51	12805	42315	43268	2.4	23.88	-369	-88702	SLU 51	12600	39534	45230	2.5	107.24	Si
467	4X/2Y Ø8/14.4	-1772	-88561	SLU 51	12805	30516	42024	2.5	17.22	-369	-88561	SLU 51	12600	27370	45230	2.5	74.24	Si
496	4X/2Y Ø8/14.4	-1772	-88420	SLU 51	12805	30516	42024	2.5	17.22	-369	-88420	SLU 51	12600	27370	45230	2.5	74.24	Si
525	4X/2Y Ø8/14.4	-1772	-88278	SLU 51	12805	30516	42024	2.5	17.22	-369	-88278	SLU 51	12600	27370	45230	2.5	74.24	Si
554	4X/2Y Ø8/14.4	-1772	-88137	SLU 51	12805	30516	42024	2.5	17.22	-369	-88137	SLU 51	12600	27370	45230	2.5	74.24	Si
583	4X/2Y Ø8/14.4	-1772	-87995	SLU 51	12805	30516	42024	2.5	17.22	-369	-87995	SLU 51	12600	27370	45230	2.5	74.24	Si
612	4X/2Y Ø8/10	-1772	-87854	SLU 51	12805	42315	43268	2.4	23.88	-369	-87854	SLU 51	12600	39534	45230	2.5	107.24	Si
641	4X/2Y Ø8/10	-1772	-87713	SLU 51	12805	42315	43268	2.4	23.88	-369	-87713	SLU 51	12600	39534	45230	2.5	107.24	Si
670	4X/2Y Ø8/10	-1772	-87574	SLU 51	12805	42315	43268	2.4	23.88	-369	-87574	SLU 51	12600	39534	45230	2.5	107.24	Si
690	4X/2Y Ø8/10	-1153	-65097	SLU 52	12805	42315	43246	2.4	36.71	-266	-65100	SLU 51	12600	39534	45208	2.5	148.66	Si
719	4X/2Y Ø8/10	-1153	-64955	SLU 52	12805	42315	43227	2.4	36.71	-266	-64958	SLU 51	12600	39534	45188	2.5	148.66	Si
748	4X/2Y Ø8/10	-1153	-64814	SLU 52	12805	42315	43209	2.4	36.71	-266	-64817	SLU 51	12600	39534	45169	2.5	148.66	Si
777	4X/2Y Ø8/14.4	-1153	-64673	SLU 52	12805	30516	41949	2.5	26.47	-266	-64676	SLU 51	12600	27370	45149	2.5	102.92	Si
806	4X/2Y Ø8/14.4	-1153	-64531	SLU 52	12805	30516	41931	2.5	26.47	-266	-64534	SLU 51	12600	27370	45130	2.5	102.92	Si
835	4X/2Y Ø8/14.4	-1153	-64390	SLU 52	12805	30516	41912	2.5	26.47	-266	-64393	SLU 51	12600	27370	45110	2.5	102.92	Si
864	4X/2Y Ø8/14.4	-1153	-64249	SLU 52	12805	30516	41894	2.5	26.47	-266	-64251	SLU 51	12600	27370	45090	2.5	102.92	Si
893	4X/2Y Ø8/14.4	-1153	-64107	SLU 52	12805	30516	41876	2.5	26.47	-266	-64110	SLU 51	12600	27370	45071	2.5	102.92	Si
922	4X/2Y Ø8/10	-1153	-63966	SLU 52	12805	42315	43096	2.4	36.71	-266	-63969	SLU 51	12600	39534	45051	2.5	148.66	Si
951	4X/2Y Ø8/10	-1153	-63824	SLU 52	12805	42315	43078	2.4	36.71	-266	-63827	SLU 51	12600	39534	45032	2.5	148.66	Si
980	4X/2Y Ø8/10	-1153	-63683	SLU 52	12805	42315	43059	2.4	36.71	-266	-63686	SLU 51	12600	39534	45012	2.5	148.66	Si
1000	4X/2Y Ø8/10	-1066	-43036	SLU 51	11663	40552	41528	2.3	38.03	-681	-43036	SLU 51	11371	39534	42150	2.5	58.04	Si
1029	4X/2Y Ø8/10	-1066	-42897	SLU 51	11646	40552	41509	2.3	38.03	-681	-42897	SLU 51	11353	39534	42130	2.5	58.04	Si
1058	4X/2Y Ø8/10	-1066	-42755	SLU 51	11628	40552	41490	2.3	38.03	-681	-42755	SLU 51	11334	39534	42111	2.5	58.04	Si
1087	4X/2Y Ø8/14.4	-1066	-42614	SLU 51	11611	30516	39108	2.5	28.62	-681	-42614	SLU 51	11315	27370	42091	2.5	40.18	Si
1116	4X/2Y Ø8/14.4	-1066	-42473	SLU 51	11593	30516	39090	2.5	28.62	-681	-42473	SLU 51	11296	27370	42072	2.5	40.18	Si
1145	4X/2Y Ø8/14.4	-1066	-42331	SLU 51	11576	30516	39071	2.5	28.62	-681	-42331	SLU 51	11277	27370	42052	2.5	40.18	Si
1174	4X/2Y Ø8/14.4	-1066	-42190	SLU 51	11558	30516	39053	2.5	28.62	-681	-42190	SLU 51	11258	27370	42032	2.5	40.18	Si
1203	4X/2Y Ø8/14.4	-1066	-42049	SLU 51	11540	30516	39035	2.5	28.62	-681	-42049	SLU 51	11239	27370	42013	2.5	40.18	Si
1232	4X/2Y Ø8/10	-1066	-41907	SLU 51	11523	40552	41374	2.3	38.03	-681	-41907	SLU 51	11220	39534	41993	2.5	58.04	Si
1261	4X/2Y Ø8/10	-1066	-41766	SLU 51	11505	40552	41355	2.3	38.03	-681	-41766	SLU 51	11201	39534	41974	2.5	58.04	Si
1290	4X/2Y Ø8/10	-1066	-41624	SLU 51	11488	40552	41335	2.3	38.03	-681	-41624	SLU 51	11182	39534	41954	2.5	58.04	Si
1310	4X/2Y Ø8/10	-2027	-21100	SLU 51	8932	38789	39697	2.2	19.13	-641	-21100	SLU 51	8432	38743	39681	2.45	60.45	Si
1339	4X/2Y Ø8/10	-2027	-20961	SLU 51	8915	38789	39677	2.2	19.13	-641	-20961	SLU 51	8413	38743	39662	2.45	60.45	Si
1368	4X/2Y Ø8/10	-2027	-20820	SLU 51	8897	38789	39658	2.2	19.13	-641	-20820	SLU 51	8394	38743	39642	2.45	60.45	Si
1397	4X/2Y Ø8/14.4	-2027	-20679	SLU 51	8880	30516	36283	2.5	15.05	-641	-20679	SLU 51	8376	27370	39050	2.5	42.7	Si
1426	4X/2Y Ø8/14.4	-2027	-20537	SLU 51	8862	30516	36265	2.5	15.05	-641	-20537	SLU 51	8357	27370	39031	2.5	42.7	Si
1455	4X/2Y Ø8/14.4	-2027	-20396	SLU 51	8845	30516	36246	2.5	15.05	-641	-20396	SLU 51	8338	27370	39011	2.5	42.7	Si
1484	4X/2Y Ø8/14.4	-2027	-20254	SLU 51	8827	30516	36228	2.5	15.05	-641	-20254	SLU 51	8319	27370	38992	2.5	42.7	Si
1513	4X/2Y Ø8/14.4	-2027	-20113	SLU 51	8809	30516	36210	2.5	15.05	-641	-20113	SLU 51	8300	27370	38972	2.5	42.7	Si
1542	4X/2Y Ø8/10	-2027	-19972	SLU 51	8792	38789	39538	2.2	19.13	-641	-19972	SLU 51	8281	38743	39523	2.45	60.45	Si
1571	4X/2Y Ø8/10	-2027	-19830	SLU 51	8774	38789	39518	2.2	19.13	-641	-19830	SLU 51	8262	38743	39503	2.45	60.45	Si
1600	4X/2Y Ø8/10	-2027	-19689	SLU 51	8757	38789	39498	2.2	19.13	-641	-19689	SLU 51	8243	38743	39483	2.45	60.45	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	976	-65281	SLV 15	12805	42315	43268	2.4	43.38	2788	-75282	SLV 3	12600	39534	45230	2.5	14.18	Si
-111	4X/2Y Ø8/10	976	-65173	SLV 15	12805	42315	43256	2.4	43.38	2788	-75174	SLV 3	12600	39534	45230	2.5	14.18	Si
-81	4X/2Y Ø8/10	976	-65063	SLV 15	12805	42315	43242	2.4	43.38	2788	-75064	SLV 3	12600	39534	45230	2.5	14.18	Si
-52	4X/2Y Ø8/10	976	-64952	SLV 15	12805	42315	43227	2.4	43.38	2788	-74953	SLV 3	12600	39534	45230	2.5	14.18	Si
-22	4X/2Y Ø8/15	976	-64842	SLV 15	12805	29386	41971	2.5	30.12	2788	-74843	SLV 3	12600	26356	45230	2.5	9.45	Si
7	4X/2Y Ø8/15	976	-64732	SLV 15	12805	29386	41957	2.5	30.12	2788	-74733	SLV 3	12600	26356	45230	2.5	9.45	Si
36	4X/2Y Ø8/15	976	-64621	SLV 15	12805	29386	41942	2.5	30.12	2788	-74622	SLV 3	12600	26356	45230	2.5	9.45	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
66	4X/2Y Ø8/15	976	-64511	SLV 15	12805	29386	41928	2.5	30.12	2788	-74512	SLV 3	12600	26356	45230	2.5	9.45	Si
95	4X/2Y Ø8/15	976	-64401	SLV 15	12805	29386	41914	2.5	30.12	2788	-74402	SLV 3	12600	26356	45230	2.5	9.45	Si
125	4X/2Y Ø8/15	976	-64289	SLV 15	12805	29386	41900	2.5	30.12	2788	-74290	SLV 3	12600	26356	45230	2.5	9.45	Si
154	4X/2Y Ø8/15	976	-64180	SLV 15	12805	29386	41885	2.5	30.12	2788	-74181	SLV 3	12600	26356	45230	2.5	9.45	Si
184	4X/2Y Ø8/15	976	-64070	SLV 15	12805	29386	41871	2.5	30.12	2788	-74071	SLV 3	12600	26356	45230	2.5	9.45	Si
213	4X/2Y Ø8/15	976	-63961	SLV 15	12805	29386	41857	2.5	30.12	2788	-73962	SLV 3	12600	26356	45230	2.5	9.45	Si
242	4X/2Y Ø8/10	976	-63849	SLV 15	12805	42315	43081	2.4	43.38	2788	-73850	SLV 3	12600	39534	45230	2.5	14.18	Si
272	4X/2Y Ø8/10	976	-63739	SLV 15	12805	42315	43066	2.4	43.38	2788	-73740	SLV 3	12600	39534	45230	2.5	14.18	Si
301	4X/2Y Ø8/10	976	-63629	SLV 15	12805	42315	43052	2.4	43.38	2788	-73630	SLV 3	12600	39534	45230	2.5	14.18	Si
331	4X/2Y Ø8/10	976	-63518	SLV 15	12805	42315	43037	2.4	43.38	2788	-73520	SLV 3	12600	39534	45230	2.5	14.18	Si
360	4X/2Y Ø8/10	976	-63410	SLV 15	12805	42315	43023	2.4	43.38	2788	-73411	SLV 3	12600	39534	45230	2.5	14.18	Si
380	4X/2Y Ø8/10	-2162	-59360	SLV 1	12805	42315	42486	2.4	19.57	-2059	-51705	SLV 13	12533	39534	43351	2.5	19.2	Si
409	4X/2Y Ø8/10	-2162	-59251	SLV 1	12805	42315	42471	2.4	19.57	-2059	-51597	SLV 13	12518	39534	43336	2.5	19.2	Si
438	4X/2Y Ø8/10	-2162	-59142	SLV 1	12805	42315	42457	2.4	19.57	-2059	-51488	SLV 13	12504	39534	43321	2.5	19.2	Si
467	4X/2Y Ø8/14.4	-2162	-59034	SLV 1	12805	30516	41223	2.5	14.11	-2059	-51379	SLV 13	12489	27370	43306	2.5	13.29	Si
496	4X/2Y Ø8/14.4	-2162	-58925	SLV 1	12805	30516	41209	2.5	14.11	-2059	-51270	SLV 13	12475	27370	43291	2.5	13.29	Si
525	4X/2Y Ø8/14.4	-2162	-58816	SLV 1	12805	30516	41195	2.5	14.11	-2059	-51162	SLV 13	12460	27370	43276	2.5	13.29	Si
554	4X/2Y Ø8/14.4	-2162	-58707	SLV 1	12805	30516	41181	2.5	14.11	-2059	-51053	SLV 13	12446	27370	43261	2.5	13.29	Si
583	4X/2Y Ø8/14.4	-2162	-58599	SLV 1	12805	30516	41167	2.5	14.11	-2059	-50944	SLV 13	12431	27370	43246	2.5	13.29	Si
612	4X/2Y Ø8/10	-2162	-58490	SLV 1	12805	42315	42370	2.4	19.57	-2059	-50835	SLV 13	12416	39534	43231	2.5	19.2	Si
641	4X/2Y Ø8/10	-2162	-58381	SLV 1	12805	42315	42356	2.4	19.57	-2059	-50727	SLV 13	12402	39534	43216	2.5	19.2	Si
670	4X/2Y Ø8/10	-2162	-58274	SLV 1	12805	42315	42342	2.4	19.57	-2059	-50620	SLV 13	12388	39534	43201	2.5	19.2	Si
690	4X/2Y Ø8/10	-1566	-42984	SLV 1	11657	40552	41521	2.3	25.89	-1745	-37455	SLV 13	10624	39534	41376	2.5	22.66	Si
719	4X/2Y Ø8/10	-1566	-42876	SLV 1	11643	40552	41506	2.3	25.89	-1745	-37346	SLV 13	10609	39534	41361	2.5	22.66	Si
748	4X/2Y Ø8/10	-1566	-42767	SLV 1	11630	40552	41491	2.3	25.89	-1745	-37238	SLV 13	10594	39534	41346	2.5	22.66	Si
777	4X/2Y Ø8/14.4	-1566	-42658	SLV 1	11616	30516	39114	2.5	19.48	-1745	-37129	SLV 13	10580	27370	41331	2.5	15.69	Si
806	4X/2Y Ø8/14.4	-1566	-42549	SLV 1	11603	30516	39100	2.5	19.48	-1745	-37020	SLV 13	10565	27370	41316	2.5	15.69	Si
835	4X/2Y Ø8/14.4	-1566	-42441	SLV 1	11589	30516	39086	2.5	19.48	-1745	-36911	SLV 13	10551	27370	41301	2.5	15.69	Si
864	4X/2Y Ø8/14.4	-1566	-42332	SLV 1	11576	30516	39072	2.5	19.48	-1745	-36803	SLV 13	10536	27370	41286	2.5	15.69	Si
893	4X/2Y Ø8/14.4	-1566	-42223	SLV 1	11562	30516	39058	2.5	19.48	-1745	-36694	SLV 13	10522	27370	41270	2.5	15.69	Si
922	4X/2Y Ø8/10	-1566	-42114	SLV 1	11549	40552	41402	2.3	25.89	-1745	-36585	SLV 13	10507	39534	41255	2.5	22.66	Si
951	4X/2Y Ø8/10	-1566	-42006	SLV 1	11535	40552	41387	2.3	25.89	-1745	-36476	SLV 13	10492	39534	41240	2.5	22.66	Si
980	4X/2Y Ø8/10	-1566	-41897	SLV 1	11522	40552	41373	2.3	25.89	-1745	-36368	SLV 13	10478	39534	41225	2.5	22.66	Si
1000	4X/2Y Ø8/10	-1456	-27750	SLV 1	9760	39671	40031	2.25	27.25	-1778	-24141	SLV 13	8839	38743	40109	2.45	21.79	Si
1029	4X/2Y Ø8/10	-1456	-27643	SLV 1	9747	39671	40016	2.25	27.25	-1778	-24034	SLV 13	8825	38743	40094	2.45	21.79	Si
1058	4X/2Y Ø8/10	-1456	-27534	SLV 1	9733	39671	40001	2.25	27.25	-1778	-23925	SLV 13	8811	38743	40079	2.45	21.79	Si
1087	4X/2Y Ø8/14.4	-1456	-27425	SLV 1	9720	30516	37152	2.5	20.96	-1778	-23816	SLV 13	8796	27370	39485	2.5	15.39	Si
1116	4X/2Y Ø8/14.4	-1456	-27317	SLV 1	9706	30516	37138	2.5	20.96	-1778	-23707	SLV 13	8781	27370	39470	2.5	15.39	Si
1145	4X/2Y Ø8/14.4	-1456	-27208	SLV 1	9693	30516	37124	2.5	20.96	-1778	-23599	SLV 13	8767	27370	39455	2.5	15.39	Si
1174	4X/2Y Ø8/14.4	-1456	-27099	SLV 1	9679	30516	37110	2.5	20.96	-1778	-23490	SLV 13	8752	27370	39440	2.5	15.39	Si
1203	4X/2Y Ø8/14.4	-1456	-26990	SLV 1	9666	30516	37096	2.5	20.96	-1778	-23381	SLV 13	8738	27370	39425	2.5	15.39	Si
1232	4X/2Y Ø8/10	-1456	-26882	SLV 1	9652	39671	39911	2.25	27.25	-1778	-23272	SLV 13	8723	38743	39987	2.45	21.79	Si
1261	4X/2Y Ø8/10	-1456	-26773	SLV 1	9639	39671	39895	2.25	27.25	-1778	-23164	SLV 13	8709	38743	39972	2.45	21.79	Si
1290	4X/2Y Ø8/10	-1456	-26664	SLV 1	9625	39671	39880	2.25	27.25	-1778	-23055	SLV 13	8694	38743	39956	2.45	21.79	Si
1310	4X/2Y Ø8/10	-1979	-12733	SLV 1	7891	37907	39100	2.15	19.16	-1550	-12187	SLV 5	7238	37953	38994	2.4	24.48	Si
1339	4X/2Y Ø8/10	-1979	-12626	SLV 1	7877	37907	39085	2.15	19.16	-1550	-12080	SLV 5	7223	37953	38979	2.4	24.48	Si
1368	4X/2Y Ø8/10	-1979	-12517	SLV 1	7864	37907	39070	2.15	19.16	-1550	-11971	SLV 5	7209	37953	38963	2.4	24.48	Si
1397	4X/2Y Ø8/14.4	-1979	-12409	SLV 1	7850	30516	35218	2.5	15.42	-1550	-11862	SLV 5	7194	27370	37828	2.5	17.66	Si
1426	4X/2Y Ø8/14.4	-1979	-12300	SLV 1	7837	30516	35204	2.5	15.42	-1550	-11754	SLV 5	7180	27370	37813	2.5	17.66	Si
1455	4X/2Y Ø8/14.4	-1979	-12191	SLV 1	7823	30516	35190	2.5	15.42	-1550	-11645	SLV 5	7165	27370	37798	2.5	17.66	Si
1484	4X/2Y Ø8/14.4	-1979	-12082	SLV 1	7810	30516	35176	2.5	15.42	-1550	-11536	SLV 5	7150	27370	37783	2.5	17.66	Si
1513	4X/2Y Ø8/14.4	-1979	-11974	SLV 1	7796	30516	35162	2.5	15.42	-1550	-11427	SLV 5	7136	27370	37768	2.5	17.66	Si
1542	4X/2Y Ø8/10	-1979	-11865	SLV 1	7783	37907	38977	2.15	19.16	-1550	-11319	SLV 5	7121	37953	38870	2.4	24.48	Si
1571	4X/2Y Ø8/10	-1979	-11756	SLV 1	7769	37907	38961	2.15	19.16	-1550	-11210	SLV 5	7107	37953	38854	2.4	24.48	Si
1600	4X/2Y Ø8/10	-1979	-11647	SLV 1	7755	37907	38945	2.15	19.16	-1550	-11101	SLV 5	7092	37953	38839	2.4	24.48	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	505	-68523	SLD 15	14837	44078	42024	2.5	83.25	1156	-72423	SLD 3	15309	39534	45230	2.5	34.19	Si
-111	4X/2Y Ø8/10	505	-68415	SLD 15	14823	44078	42024	2.5	83.25	1156	-72315	SLD 3	15295	39534	45230	2.5	34.19	Si
-81	4X/2Y Ø8/10	505	-68304	SLD 15	14809	44078	42024	2.5	83.25	1156	-72205	SLD 3	15280	39534	45230	2.5	34.19	Si
-52	4X/2Y Ø8/10	505	-68194	SLD 15	14796	44078	42024	2.5	83.25	1156	-72094	SLD 3	15265	39534	45230	2.5	34.19	Si
-22	4X/2Y Ø8/15	505	-68084	SLD 15	14782	29386	42024	2.5	58.21	1156	-71984	SLD 3	15250	26356	45230	2.5	22.79	Si
7	4X/2Y Ø8/15	505	-67974	SLD 15	14768	29386	42024	2.5	58.21	1156	-71874	SLD 3	15236	26356	45230	2.5	22.79	Si
36	4X/2Y Ø8/15	505	-67863	SLD 15	14754	29386	42024	2.5	58.21	1156	-71763	SLD 3	15221	26356	45230	2.5	22.79	Si
66	4X/2Y Ø8/15	505	-67753	SLD 15	14741	29386	42024	2.5	58.21	1156	-71653	SLD 3	15206	26356	45230	2.5	22.79	Si
95	4X/2Y Ø8/15	505	-67643	SLD 15	14727	29386	42024	2.5	58.21	1156	-71543	SLD 3	15191	26356	45230	2.5	22.79	Si
125	4X/2Y Ø8/15	505	-67531	SLD 15	14713	29386	42024	2.5	58.21	1156	-71431	SLD 3	15176	26356	45230	2.5	22.79	Si
154	4X/2Y Ø8/15	505	-67422	SLD 15	14699	29386	42024	2.5	58.21	1156	-71322	SLD 3	15162	26356	45230	2.5	22.79	Si
184	4X/2Y Ø8/15	505	-67312	SLD 15	14686	29386	42024	2.5	58.21	1156	-71212	SLD 3	15147	26356	45230	2.5	22.79	Si
213	4X/2Y Ø8/15	505	-67203	SLD 15	14672	29386	42024	2.5	58.21	1156	-71103	SLD 3	15132	26356	45230	2.5	22.79	Si
242	4X/2Y Ø8/10	505	-67091	SLD 15	14658	44078	42024	2.5	83.25	1156	-70991	SLD 3	15117	39534	45230	2.5	34.19	Si
272	4X/2Y Ø8/10	505	-66981	SLD 15	14644	44078	42024	2.5	83.25	1156	-70881	SLD 3	15103	39534	45230	2.5	34.19	Si
301	4X/2Y Ø8/10	505	-66871	SLD 15	14631	44078	42024	2.5	83.25	1156	-70771	SLD 3	15088	39534	45230	2.5	34.19	Si
331	4X/2Y Ø8/10	505	-66760	SLD 15	14617	44078	42024	2.5	83.25	1156	-70661	SLD 3	15073	39534	45230	2.5	34.19	Si
360	4X/2Y Ø8/10	505	-66652	SLD 15	14604	44078	42024	2.5	83.25	1156	-70552	SLD 3	15058	39534	45230	2.5	34.19	Si
380	4X/2Y Ø8/10	-1509	-56884	SLD 1	13387	44078	40946	2.5	27.13	-945	-53895	SLD 13	12826	39534	43655	2.5	41.84	Si
409	4X/2Y Ø8/10	-1509	-56775	SLD 1	13374	44078	40932	2.5	27.12	-945	-53787	SLD 13	12812	39534	43640	2.5	41.84	Si
438	4X/2Y Ø8/10	-1509	-56666	SLD 1	13360	44078	40918	2.5	27.11	-945	-53678	SLD 13	12797	39534	43625	2.5	41.84	Si
467	4X/2Y Ø8/14.4	-1509	-56558	SLD 1	13347	30516	40904	2.5	20.22	-945	-53569	SLD 13	12783	27370	43610	2.5	28.97	Si
496	4X/2Y Ø8/14.4	-1509	-56449	SLD 1	13333	30516	40890	2.5	20.22	-945	-53460	SLD 13	12768	27370	43595	2.5	28.97	Si
525	4X/2Y Ø8/14.4	-1509	-56340	SLD 1	13320	30516	40876	2.5	20.22	-945	-53352	SLD 13	12754	27370	43580	2.5	28.97	Si
554	4X/2Y Ø8/14.4	-1509	-56231	SLD 1	13306	30516	40862	2.5	20.22	-945	-53243	SLD 13	12739	27370	43564	2.5	28.97	Si
583	4X/2Y Ø8/14.4	-1509	-56123	SLD 1	13293	30516	40848	2.5	20.22	-945	-53134	SLD 13	12724	27370	43549	2.5	28.97	Si
612	4X/2Y Ø8/10	-1509	-56014	SLD 1	13279	44078	40834	2.5	27.06	-945	-53025	SLD 13	12710	39534	43534	2.5	41.84	Si
641	4X/2Y Ø8/10	-1509	-55905	SLD 1	13266	44078	40820	2.5	27.05	-945	-52917	SLD 13	12695	39534	43519	2.5	41.84	Si
670	4X/2Y Ø8/10	-1509	-55798	SLD 1	13252	44078	40806	2.5	27.04	-945	-52810	SLD 13	12681	39534	43504	2.5	41.84	Si
690	4X/2Y Ø8/10	-1036	-41201	SLD 1	11435	44078	38926	2.5	37.59	-776	-39039	SLD 13	10836	39534	41596	2.5	50.98	Si
719	4X/2Y Ø8/10	-1036	-41092	SLD 1	11421	44078	38912	2.5	37.57	-776	-38930	SLD 13	10821	39534	41580	2.5	50.98	Si
748	4X/2Y Ø8/10	-1036	-40983	SLD 1	11408	44078	38898	2.5	37.56	-776	-38822	SLD 13	10807	39534	41565	2.5	50.98	Si
777	4X/2Y Ø8/14.4	-1036	-40874	SLD 1	11394	30516	38884	2.5	29.47	-776	-38713	SLD 13	10792	27370	41550	2.5	35.29	Si
806	4X/2Y Ø8/14.4	-1036	-40766	SLD 1	11381	30516	38870	2.5	29.47	-776	-38604	SLD 13	10777	27370	41535	2.5	35.29	Si
835	4X/2Y Ø8/14.4	-1036	-40657	SLD 1	11367	30516	38856	2.5	29.47	-776	-38495	SLD 13	10763	27370	41520	2.5	35.29	Si
864	4X/2Y Ø8/14.4	-1036	-40548	SLD 1	11354	30516	38842	2.5	29.47	-776	-38387	SLD 13	10748	27370	41505	2.5	35.29	Si
893	4X/2Y Ø8/14.4	-1036	-40439	SLD 1	11340	30516	38828	2.5	29.47	-776	-38278	SLD 13	10734	27370	41490	2.5	35.29	Si
922	4X/2Y Ø8/10	-1036	-40331	SLD 1	11327	44078	38814	2.5	37.48	-776	-38169	SLD 13	10719	39534	41475	2.5	50.98	Si
951	4X/2Y Ø8/10	-1036	-40222	SLD 1	11313	44078	38800	2.5	37.47	-776	-38060	SLD 13	10705	39534	41460	2.5	50.98	Si
980	4X/2Y Ø8/10	-1036	-40113	SLD 1	11299	44078	38786	2.5	37.45	-776	-37952	SLD 13	10690	39534	41445	2.5	50.98	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1000	4X/2Y Ø8/10	-983	-26585	SLD 1	9615	44078	37043	2.5	37.68	-939	-25172	SLD 13	8978	39534	39673	2.5	42.11	Si
1029	4X/2Y Ø8/10	-983	-26478	SLD 1	9602	44078	37030	2.5	37.67	-939	-25065	SLD 13	8963	39534	39658	2.5	42.11	Si
1058	4X/2Y Ø8/10	-983	-26369	SLD 1	9588	44078	37016	2.5	37.65	-939	-24956	SLD 13	8949	39534	39643	2.5	42.11	Si
1087	4X/2Y Ø8/14.4	-983	-26260	SLD 1	9575	30516	37002	2.5	31.04	-939	-24847	SLD 13	8934	27370	39628	2.5	29.15	Si
1116	4X/2Y Ø8/14.4	-983	-26152	SLD 1	9561	30516	36988	2.5	31.04	-939	-24738	SLD 13	8920	27370	39613	2.5	29.15	Si
1145	4X/2Y Ø8/14.4	-983	-26043	SLD 1	9548	30516	36974	2.5	31.04	-939	-24630	SLD 13	8905	27370	39598	2.5	29.15	Si
1174	4X/2Y Ø8/14.4	-983	-25934	SLD 1	9534	30516	36960	2.5	31.04	-939	-24521	SLD 13	8890	27370	39583	2.5	29.15	Si
1203	4X/2Y Ø8/14.4	-983	-25825	SLD 1	9521	30516	36946	2.5	31.04	-939	-24412	SLD 13	8876	27370	39568	2.5	29.15	Si
1232	4X/2Y Ø8/10	-983	-25717	SLD 1	9507	44078	36932	2.5	37.57	-939	-24303	SLD 13	8861	39534	39553	2.5	42.11	Si
1261	4X/2Y Ø8/10	-983	-25608	SLD 1	9494	44078	36918	2.5	37.55	-939	-24195	SLD 13	8847	39534	39538	2.5	42.11	Si
1290	4X/2Y Ø8/10	-983	-25499	SLD 1	9480	44078	36904	2.5	37.54	-939	-24086	SLD 13	8832	39534	39523	2.5	42.09	Si
1310	4X/2Y Ø8/10	-1456	-12109	SLD 1	7813	44078	35179	2.5	24.15	-837	-12109	SLD 1	7227	39534	37863	2.5	45.22	Si
1339	4X/2Y Ø8/10	-1456	-12002	SLD 1	7800	44078	35165	2.5	24.15	-837	-12002	SLD 1	7213	39534	37848	2.5	45.2	Si
1368	4X/2Y Ø8/10	-1456	-11894	SLD 1	7786	44078	35151	2.5	24.14	-837	-11894	SLD 1	7198	39534	37833	2.5	45.18	Si
1397	4X/2Y Ø8/14.4	-1456	-11785	SLD 1	7773	30516	35137	2.5	20.95	-837	-11785	SLD 1	7184	27370	37818	2.5	32.69	Si
1426	4X/2Y Ø8/14.4	-1456	-11676	SLD 1	7759	30516	35123	2.5	20.95	-837	-11676	SLD 1	7169	27370	37803	2.5	32.69	Si
1455	4X/2Y Ø8/14.4	-1456	-11567	SLD 1	7746	30516	35109	2.5	20.95	-837	-11567	SLD 1	7155	27370	37788	2.5	32.69	Si
1484	4X/2Y Ø8/14.4	-1456	-11459	SLD 1	7732	30516	35095	2.5	20.95	-837	-11459	SLD 1	7140	27370	37772	2.5	32.69	Si
1513	4X/2Y Ø8/14.4	-1456	-11350	SLD 1	7718	30516	35081	2.5	20.95	-837	-11350	SLD 1	7126	27370	37757	2.5	32.69	Si
1542	4X/2Y Ø8/10	-1456	-11241	SLD 1	7705	44078	35067	2.5	24.08	-837	-11241	SLD 1	7111	39534	37742	2.5	45.08	Si
1571	4X/2Y Ø8/10	-1456	-11132	SLD 1	7691	44078	35053	2.5	24.07	-837	-11132	SLD 1	7096	39534	37727	2.5	45.06	Si
1600	4X/2Y Ø8/10	-1456	-11024	SLD 1	7678	44078	35039	2.5	24.06	-837	-11024	SLD 1	7082	39534	37712	2.5	45.04	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	-29203	-119111	-79550	SLE RA 10	-60.9	-29203	-119111	-79550	SLE RA 10	-836.2	Si
-111	-27127	-113097	-79442	SLE RA 10	-60	-27127	-113097	-79442	SLE RA 10	-827.2	Si
-81	-25016	-106980	-79332	SLE RA 10	-59.1	-25016	-106980	-79332	SLE RA 10	-818	Si
-52	-22904	-100863	-79221	SLE RA 10	-58.2	-22904	-100863	-79221	SLE RA 10	-808.8	Si
-22	-20793	-94746	-79111	SLE RA 10	-57.3	-20793	-94746	-79111	SLE RA 10	-799.6	Si
7	-18681	-88628	-79001	SLE RA 10	-56.5	-18681	-88628	-79001	SLE RA 10	-790.4	Si
36	-16570	-82511	-78891	SLE RA 10	-55.6	-16570	-82511	-78891	SLE RA 10	-781.2	Si
66	-14459	-76394	-78780	SLE RA 10	-54.7	-14075	-76200	-78848	SLE RA 12	-772.1	Si
95	-12034	-70147	-78738	SLE RA 12	-53.8	-15024	-67767	-78754	SLE RA 13	-763	Si
125	-12842	-63957	-78643	SLE RA 13	-53.1	-12842	-63957	-78643	SLE RA 13	-756.2	Si
154	-10703	-60224	-78533	SLE RA 13	-52.5	-10703	-60224	-78533	SLE RA 13	-749.6	Si
184	-8543	-56452	-78423	SLE RA 13	-51.9	-8543	-56452	-78423	SLE RA 13	-742.8	Si
213	-6415	-52737	-78315	SLE RA 13	-51.2	-6415	-52737	-78315	SLE RA 13	-736.2	Si
242	-4222	-48909	-78203	SLE RA 13	-50.6	-4222	-48909	-78203	SLE RA 13	-729.4	Si
272	-2062	-45138	-78092	SLE RA 13	-50	-2062	-45138	-78092	SLE RA 13	-722.7	Si
301	99	-41366	-77982	SLE RA 13	-49.4	99	-41366	-77982	SLE RA 13	-717.1	Si
331	2259	-37595	-77872	SLE RA 13	-49	2259	-37595	-77872	SLE RA 13	-712.8	Si
360	4383	-33887	-77763	SLE RA 13	-48.7	4383	-33887	-77763	SLE RA 13	-709.7	Si
380	72172	216036	-62876	SLE RA 12	-65	72172	216036	-62876	SLE RA 12	-831	Si
409	64666	179483	-62767	SLE RA 12	-60.3	64666	179483	-62767	SLE RA 12	-784.9	Si
438	57160	142930	-62659	SLE RA 12	-55.7	57160	142930	-62659	SLE RA 12	-738.8	Si
467	49654	106377	-62550	SLE RA 12	-51.1	49654	106377	-62550	SLE RA 12	-692.7	Si
496	42148	69824	-62441	SLE RA 12	-46.5	42148	69824	-62441	SLE RA 12	-646.6	Si
525	34642	33271	-62332	SLE RA 12	-41.9	34642	33271	-62332	SLE RA 12	-600.5	Si
554	27519	-5986	-62216	SLE RA 13	-38.3	27519	-5986	-62216	SLE RA 13	-564.6	Si
583	21010	-41127	-62108	SLE RA 13	-41.7	21010	-41127	-62108	SLE RA 13	-596	Si
612	14501	-76268	-61999	SLE RA 13	-45	14501	-76268	-61999	SLE RA 13	-627.4	Si
641	7993	-111409	-61890	SLE RA 13	-48.4	7993	-111409	-61890	SLE RA 13	-658.7	Si
670	-2758	-148864	-61790	SLE RA 12	-52.1	-2758	-148864	-61790	SLE RA 12	-696.1	Si
690	44053	109570	-46044	SLE RA 13	-41.6	44053	109570	-46044	SLE RA 13	-549.4	Si
719	38687	85705	-45935	SLE RA 13	-38.5	38687	85705	-45935	SLE RA 13	-518.6	Si
748	33322	61840	-45827	SLE RA 13	-35.4	33322	61840	-45827	SLE RA 13	-487.8	Si
777	27956	37974	-45718	SLE RA 13	-32.4	27956	37974	-45718	SLE RA 13	-457	Si
806	22590	14109	-45609	SLE RA 13	-29.3	22590	14109	-45609	SLE RA 13	-426.2	Si
835	17224	-9756	-45500	SLE RA 13	-28.4	17224	-9756	-45500	SLE RA 13	-416.3	Si
864	11858	-33622	-45392	SLE RA 13	-30.6	11858	-33622	-45392	SLE RA 13	-436.6	Si
893	6492	-57487	-45283	SLE RA 13	-32.8	6492	-57487	-45283	SLE RA 13	-456.8	Si
922	1126	-81352	-45174	SLE RA 13	-35	-649	-81499	-45176	SLE RA 12	-478.6	Si
951	-6044	-105171	-45067	SLE RA 12	-37.9	-6044	-105171	-45067	SLE RA 12	-505.6	Si
980	-11439	-128844	-44959	SLE RA 12	-40.9	-11439	-128844	-44959	SLE RA 12	-534.3	Si
1000	83556	119635	-30484	SLE RA 12	-36.5	83556	119635	-30484	SLE RA 12	-458.1	Si
1029	69974	97903	-30377	SLE RA 12	-33.1	69974	97903	-30377	SLE RA 12	-422.9	Si
1058	56155	75790	-30269	SLE RA 12	-29.6	56155	75790	-30269	SLE RA 12	-387.2	Si
1087	42335	53677	-30160	SLE RA 12	-26.2	42335	53677	-30160	SLE RA 12	-351.4	Si
1116	28515	31564	-30051	SLE RA 12	-22.7	28873	31332	-30051	SLE RA 13	-315.7	Si
1145	15211	9298	-29942	SLE RA 13	-19.3	15211	9298	-29942	SLE RA 13	-280.2	Si
1174	1549	-12736	-29834	SLE RA 13	-18.6	1549	-12736	-29834	SLE RA 13	-271.9	Si
1203	-12943	-34775	-29725	SLE RA 12	-21.8	-12943	-34775	-29725	SLE RA 12	-303.7	Si
1232	-26763	-56888	-29616	SLE RA 12	-25.1	-26763	-56888	-29616	SLE RA 12	-337.6	Si
1261	-40583	-79001	-29507	SLE RA 12	-28.5	-40583	-79001	-29507	SLE RA 12	-371.5	Si
1290	-54402	-101115	-29399	SLE RA 12	-31.8	-54402	-101115	-29399	SLE RA 12	-405.3	Si
1310	58020	164208	-15010	SLE RA 12	-30.8	58020	164208	-15010	SLE RA 12	-351.8	Si
1339	45194	122997	-14903	SLE RA 12	-25.3	45194	122997	-14903	SLE RA 12	-296.5	Si
1368	32143	81063	-14795	SLE RA 12	-19.7	32143	81063	-14795	SLE RA 12	-240.1	Si
1397	19273	39051	-14687	SLE RA 13	-14.1	19273	39051	-14687	SLE RA 13	-183.9	Si
1426	6439	-2827	-14578	SLE RA 13	-9.1	6439	-2827	-14578	SLE RA 13	-133.8	Si
1455	-7009	-44739	-14468	SLE RA 12	-13.7	-7009	-44739	-14468	SLE RA 12	-178.1	Si
1484	-20060	-86673	-14360	SLE RA 12	-19.2	-20060	-86673	-14360	SLE RA 12	-232.6	Si
1513	-33111	-128606	-14251	SLE RA 12	-24.7	-33111	-128606	-14251	SLE RA 12	-287	Si
1542	-46161	-170540	-14142	SLE RA 12	-37.2	-46161	-170540	-14142	SLE RA 12	-386.9	Si
1571	-59212	-212474	-14033	SLE RA 12	-47.6	-59212	-212474	-14033	SLE RA 12	526.9	Si
1600	-72263	-254408	-13925	SLE RA 12	-51.2	-72263	-254408	-13925	SLE RA 12	602.5	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	-41115	-109428	-70597	SLE QP 2	-55.5	Si
-111	-38043	-103671	-70488	SLE QP 2	-54.6	Si
-81	-34918	-97815	-70378	SLE QP 2	-53.6	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
-52	-31794	-91959	-70268	SLE QP 2	-52.7	Si
-22	-28669	-86103	-70157	SLE QP 2	-51.8	Si
7	-25544	-80246	-70047	SLE QP 2	-50.9	Si
36	-22419	-74390	-69937	SLE QP 2	-49.9	Si
66	-19294	-68534	-69826	SLE QP 2	-49	Si
95	-16170	-62678	-69716	SLE QP 2	-48.1	Si
125	-13014	-56763	-69605	SLE QP 2	-47.1	Si
154	-9920	-50965	-69496	SLE QP 2	-46.2	Si
184	-6795	-45109	-69385	SLE QP 2	-45.3	Si
213	-3717	-39341	-69277	SLE QP 2	-44.4	Si
242	-546	-33397	-69165	SLE QP 2	-43.5	Si
272	2579	-27540	-69054	SLE QP 2	-42.9	Si
301	5704	-21684	-68944	SLE QP 2	-42.4	Si
331	8829	-15828	-68834	SLE QP 2	-41.9	Si
360	11901	-10071	-68725	SLE QP 2	-41.4	Si
380	63652	187425	-55295	SLE QP 2	-56.9	Si
409	57038	155771	-55187	SLE QP 2	-52.8	Si
438	50424	124116	-55078	SLE QP 2	-48.8	Si
467	43810	92461	-54969	SLE QP 2	-44.8	Si
496	37196	60807	-54860	SLE QP 2	-40.8	Si
525	30582	29152	-54752	SLE QP 2	-36.8	Si
554	23968	-2502	-54643	SLE QP 2	-33.3	Si
583	17354	-34157	-54534	SLE QP 2	-36.3	Si
612	10740	-65812	-54425	SLE QP 2	-39.3	Si
641	4127	-97466	-54317	SLE QP 2	-42.3	Si
670	-2373	-128575	-54210	SLE QP 2	-45.5	Si
690	33775	91897	-40053	SLE QP 2	-35.5	Si
719	29514	71818	-39944	SLE QP 2	-32.9	Si
748	25253	51739	-39835	SLE QP 2	-30.3	Si
777	20992	31660	-39727	SLE QP 2	-27.8	Si
806	16731	11581	-39618	SLE QP 2	-25.2	Si
835	12470	-8498	-39509	SLE QP 2	-24.5	Si
864	8209	-28577	-39400	SLE QP 2	-26.4	Si
893	3948	-48656	-39292	SLE QP 2	-28.2	Si
922	-313	-68735	-39183	SLE QP 2	-30.1	Si
951	-4574	-88814	-39074	SLE QP 2	-32.6	Si
980	-8835	-108893	-38965	SLE QP 2	-35	Si
1000	67587	104092	-25833	SLE QP 2	-31	Si
1029	56479	84765	-25726	SLE QP 2	-28	Si
1058	45177	65099	-25617	SLE QP 2	-25	Si
1087	33874	45433	-25509	SLE QP 2	-22	Si
1116	22571	25767	-25400	SLE QP 2	-19	Si
1145	11268	6101	-25291	SLE QP 2	-16	Si
1174	-35	-13565	-25182	SLE QP 2	-16	Si
1203	-11338	-33231	-25074	SLE QP 2	-18.9	Si
1232	-22640	-52897	-24965	SLE QP 2	-21.7	Si
1261	-33943	-72563	-24856	SLE QP 2	-24.6	Si
1290	-45246	-92229	-24747	SLE QP 2	-27.5	Si
1310	45921	132440	-11705	SLE QP 2	-24.5	Si
1339	36180	100553	-11598	SLE QP 2	-20.3	Si
1368	26269	68107	-11489	SLE QP 2	-15.9	Si
1397	16357	35661	-11380	SLE QP 2	-11.6	Si
1426	6446	3215	-11271	SLE QP 2	-7.3	Si
1455	-3466	-29231	-11163	SLE QP 2	-9.9	Si
1484	-13378	-61677	-11054	SLE QP 2	-14.1	Si
1513	-23289	-94123	-10945	SLE QP 2	-18.3	Si
1542	-33201	-126569	-10836	SLE QP 2	-22.5	Si
1571	-43112	-159015	-10728	SLE QP 2	-35.4	Si
1600	-53024	-191461	-10619	SLE QP 2	-38.4	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

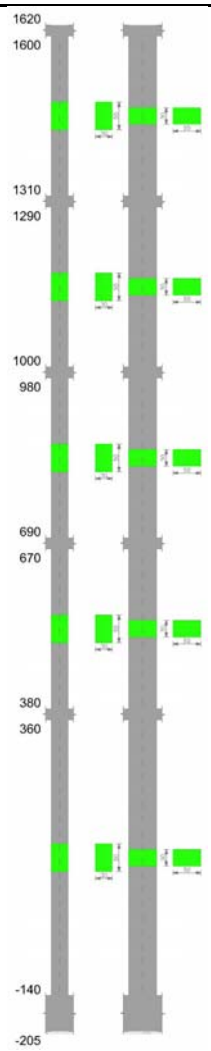
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.

Pilastro 30B

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x50	No	No	No	No		C30/37	B450C	
380	670	R 30x50	No	No	No	No		C30/37	B450C	
690	980	R 30x50	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.67	-19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.67	19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.67	19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.9	-6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.9	6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.9	-6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.9	6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.2	-9.67	-19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.67	-19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.67	19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.67	19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.9	-6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.9	6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.9	-6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.9	6.9	1.6	2.011	-140	380	R 30x50	B450C
p.3	-9.67	-19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	9.67	-19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	9.67	19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.67	19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.9	-6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.9	6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	9.9	-6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	9.9	6.9	1.6	2.011	380	690	R 30x50	B450C
p.4	-9.67	-19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.67	-19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.67	19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.67	19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.9	-6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.9	6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.9	-6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.9	6.9	1.6	2.011	690	1000	R 30x50	B450C
p.5	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.5	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.5	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.6	-9.67	-19.67	1.6	2.011	1310.1	1620	R 30x50	B450C
p.6	9.67	-19.67	1.6	2.011	1310.1	1620	R 30x50	B450C
p.6	9.67	19.67	1.6	2.011	1310.1	1620	R 30x50	B450C
p.6	-9.67	19.67	1.6	2.011	1310.1	1620	R 30x50	B450C
p.7	-9.9	-6.9	1.6	2.011	1310.1	1620	R 30x50	B450C
p.7	-9.9	6.9	1.6	2.011	1310.1	1620	R 30x50	B450C
p.7	9.9	-6.9	1.6	2.011	1310.1	1620	R 30x50	B450C
p.7	9.9	6.9	1.6	2.011	1310.1	1620	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2.1	0	1,2	-225426	-225426	-83106	-667210	-667210	SLU 51	2.96	Si
-111	16.08	2.1	0	1,2	-225044	-225044	-82965	-667210	-667210	SLU 51	2.965	Si
-81	16.08	1.1	0	2	224655	-224655	-82822	667210	-667210	SLU 51	2.97	Si
-52	16.08	1.1	0	2	224266	-224266	-82679	667210	-667210	SLU 51	2.975	Si
-22	16.08	1.1	0	2	223877	-223877	-82535	667210	-667210	SLU 51	2.98	Si
7	16.08	1.1	0	2	223488	-223488	-82392	667210	-667210	SLU 51	2.985	Si
36	16.08	1.1	0	2	223099	-223099	-82249	667210	-667210	SLU 51	2.991	Si
66	16.08	1.1	0	2	222710	-222710	-82105	667210	-667210	SLU 51	2.996	Si
95	16.08	1.1	0	2	222321	-222321	-81962	667210	-667210	SLU 51	3.001	Si
125	16.08	1.1	0	2	221929	-221929	-81817	667210	-667210	SLU 51	3.006	Si
154	16.08	1.1	0	2	221544	-221544	-81675	667210	-667210	SLU 51	3.012	Si
184	16.08	1.1	0	2	221155	-221155	-81532	667210	-667210	SLU 51	3.017	Si
213	16.08	1.1	0	2	220772	-220772	-81390	667210	-667210	SLU 51	3.022	Si
242	16.08	1.1	0	2	220377	-220377	-81245	667210	-667210	SLU 51	3.028	Si
272	16.08	1.1	0	2	219988	-219988	-81102	667210	-667210	SLU 51	3.033	Si
301	16.08	1.1	0	2	219599	-219599	-80958	667210	-667210	SLU 51	3.038	Si
331	16.08	1.1	0	2	219210	-219210	-80815	667210	-667210	SLU 51	3.044	Si
360	16.08	1.1	0	2	218828	-218828	-80674	667210	-667210	SLU 51	3.049	Si
380	16.08	2.1	0	2,3	128943	258231	-64472	452364	905939	SLU 51	3.508	Si
409	16.08	2.1	0	2,3	128665	222904	-64333	473063	819549	SLU 51	3.677	Si
438	16.08	1.1	0	3	-128382	186956	-64191	-494030	719429	SLU 51	3.848	Si
467	16.08	1.1	0	3	-128100	151009	-64050	-516580	608964	SLU 51	4.033	Si
496	16.08	1.1	0	3	-127817	127817	-63908	-530708	530708	SLU 51	4.152	Si
525	16.08	1.1	0	3	-127534	127534	-63767	-530708	530708	SLU 51	4.161	Si
554	16.08	1.1	0	3	-127251	127251	-63626	-530708	530708	SLU 51	4.171	Si
583	16.08	1.1	0	3	-126969	126969	-63484	-530708	530708	SLU 51	4.18	Si
612	16.08	1.1	0	3	-126686	-126686	-63343	-530708	-530708	SLU 51	4.189	Si
641	16.08	1.1	0	3	-126403	-126403	-63202	-530708	-530708	SLU 51	4.199	Si
670	16.08	1.1	0	3	-126120	-126120	-63060	-530708	-530708	SLU 51	4.208	Si
690	16.08	2.1	0	3,4	105761	105761	-52880	530708	530708	SLU 51	5.018	Si
719	16.08	2.1	0	3,4	105483	105483	-52741	530708	530708	SLU 51	5.031	Si
748	16.08	1.1	0	4	105200	105200	-52600	530708	530708	SLU 51	5.045	Si
777	16.08	1.1	0	4	104917	-104917	-52459	530708	-530708	SLU 51	5.058	Si
806	16.08	1.1	0	4	104635	-104635	-52317	530708	-530708	SLU 51	5.072	Si
835	16.08	1.1	0	4	111502	-104259	-52129	565319	-528595	SLU 52	5.07	Si
864	16.08	1.1	0	4	123000	-103976	-51988	620805	-524787	SLU 52	5.047	Si
893	16.08	1.1	0	4	134498	-103693	-51847	675628	-520886	SLU 52	5.023	Si
922	16.08	1.1	0	4	145996	-103410	-51705	729334	-516596	SLU 52	4.996	Si
951	16.08	1.1	0	4	157493	-105260	-51564	779638	-521068	SLU 52	4.95	Si
980	16.08	1.1	0	4	168991	-121587	-51422	812907	-584874	SLU 52	4.81	Si
1000	16.08	2.1	0	4,5	-130020	180285	-31013	-764912	1060623	SLU 49	5.883	Si
1029	16.08	2.1	0	4,5	-102139	138916	-30874	-693047	942595	SLU 49	6.785	Si
1058	16.08	1.1	0	5	-73768	96821	-30733	-575926	755906	SLU 49	7.807	Si
1087	16.08	1.1	0	5	-61192	61192	-30596	-530708	530708	SLU 51	8.673	Si
1116	16.08	1.1	0	5	-60909	60909	-30455	-530708	530708	SLU 51	8.713	Si
1145	16.08	1.1	0	5	60627	-60627	-30313	530708	-530708	SLU 51	8.754	Si
1174	16.08	1.1	0	5	60344	-71527	-30172	516068	-611703	SLU 51	8.552	Si
1203	16.08	1.1	0	5	69492	-113627	-29998	529381	-865600	SLU 52	7.618	Si
1232	16.08	1.1	0	5	98105	-155589	-29857	649195	-1029586	SLU 52	6.617	Si
1261	16.08	1.1	0	5	126718	-197550	-29715	725598	-1131189	SLU 52	5.726	Si
1290	16.08	1.1	0	5	155331	-239511	-29574	770843	-1188595	SLU 52	4.963	Si
1310	16.08	1.1	0	5	-50007	214715	-8361	-265720	1140915	SLU 51	5.314	Si
1339	16.05	2.1	0	5,6,7	-55047	182291	-8222	-365913	1211732	SLU 51	6.647	Si
1368	16.08	1.1	0	6,7	-60836	149133	-8078	-514149	1260388	SLU 49	8.451	Si
1397	16.08	1.1	0	6,7	-65746	116263	-7937	-704721	1246194	SLU 49	10.719	Si
1426	16.08	1.1	0	6,7	-70657	83392	-7795	-969508	1144251	SLU 49	13.721	Si
1455	16.08	1.1	0	6,7	-75567	50522	-7654	-1348386	901481	SLU 49	17.843	Si
1484	16.08	1.1	0	6,7	-80478	17651	-7513	-1845682	404812	SLU 49	22.934	Si
1513	16.08	1.1	0	6,7	-85818	-15665	-7374	-1931574	-352590	SLU 51	22.508	Si
1542	16.08	1.1	0	6,7	-90947	-48658	-7233	-1522589	-814608	SLU 51	16.742	Si
1571	16.08	1.1	0	6,7	-96075	-81651	-7091	-1173142	-997006	SLU 51	12.211	Si
1600	22.11	2.1	0	6,7	-101204	-114643	-6950	-1097804	-1243586	SLU 51	10.847	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	16.08	2.1	0	1,2	955899	-401655	-49657	-2.02	1.92	1265434	-531717	SLV 13	1.324				Si
-111	16.08	2.1	0	1,2	892032	-373090	-49548	-2.02	1.92	1276997	-534100	SLV 13	1.432				Si
-81	16.08	1.1	0	2	827110	-344040	-49438	-2.02	1.92	1290073	-536611	SLV 13	1.56				Si
-52	16.08	1.1	0	2	762251	-315002	-49328	-2.02	1.92	1302293	-538175	SLV 13	1.708				Si
-22	16.08	1.1	0	2	697480	-285981	-49217	-2.02	1.92	1313936	-538741	SLV 13	1.884				Si
7	16.08	1.1	0	2	632815	-256983	-49107	-2.02	1.92	1322637	-537117	SLV 13	2.09				Si
36	16.08	1.1	0	2	568297	-228019	-48997	-2.02	1.92	1325144	-531691	SLV 13	2.332				Si
66	16.08	1.1	0	2	504003	-199111	-48886	-2.02	1.92	1317539	-520506	SLV 13	2.614				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
95	16.08	1.1	0	2	440016	-170292	-48776	-2.02	1.92	1292178	-500091	SLV 13	2.937				Si
125	16.08	1.1	0	2	375859	-141348	-48665	-2.02	1.92	1242442	-467240	SLV 13	3.306				Si
154	16.08	1.1	0	2	313856	-113402	-48555	-2.02	1.92	1162193	-419922	SLV 13	3.703				Si
184	16.08	1.1	0	2	252763	-87214	-48445	-2.02	1.92	1042442	-359689	SLV 13	4.124				Si
213	16.08	1.1	0	2	166915	-61271	-52239	-2.02	1.92	746486	-274017	SLV 9	4.472				Si
242	16.08	1.1	0	2	120744	-43472	-52127	-2.02	1.92	586957	-211324	SLV 9	4.861				Si
272	16.08	1.1	0	2	-47705	-81344	-53714	-2.02	1.92	-229105	-390658	SLV 1	4.803				Si
301	16.08	1.1	0	2	-74191	-98970	-53604	-2.02	1.92	-336523	-448918	SLV 1	4.536				Si
331	16.08	1.1	0	2	-104442	-117991	-53494	-2.02	1.92	-446101	-503972	SLV 1	4.271				Si
360	16.08	1.1	0	2	256339	-119050	-51720	-2.02	1.92	966515	-448875	SLV 3	3.77				Si
380	16.08	2.1	0	2,3	-112892	302875	-42456	-2.02	1.92	-379769	1018874	SLV 1	3.364				Si
409	16.08	2.1	0	2,3	-102151	256263	-42349	-2.02	1.92	-384989	965812	SLV 1	3.769				Si
438	16.08	1.1	0	3	-94396	209637	-42240	-2.02	1.92	-396860	881353	SLV 1	4.204				Si
467	16.08	1.1	0	3	-91139	164647	-42131	-2.02	1.92	-422654	763544	SLV 1	4.637				Si
496	16.08	1.1	0	3	-130049	123456	-42023	-2.02	1.92	-628960	597074	SLV 1	4.836				Si
525	16.08	1.1	0	3	-84913	84659	-41914	-2.02	1.92	-468907	467502	SLV 1	5.522				Si
554	16.08	1.1	0	3	-155492	65065	-37748	-2.02	1.92	-876363	366708	SLV 13	5.636				Si
583	16.08	1.1	0	3	-177107	57732	-37639	-2.02	1.92	-984745	321000	SLV 13	5.56				Si
612	16.08	1.1	0	3	152748	-92676	-40349	-2.02	1.92	783567	-475408	SLV 3	5.13				Si
641	16.08	1.1	0	3	171754	-135438	-40240	-2.02	1.92	791281	-623970	SLV 3	4.607				Si
670	16.08	1.1	0	3	192601	-178983	-40131	-2.02	1.92	790964	-735039	SLV 3	4.107				Si
690	16.08	2.1	0	3,4	-159984	98817	-33288	-2.02	1.92	-896083	553482	SLV 3	5.601				Si
719	16.08	2.1	0	3,4	200303	89436	-34090	-2.02	1.92	1065881	475920	SLV 1	5.321				Si
748	16.08	1.1	0	4	197389	66781	-33981	-2.02	1.92	1111542	376059	SLV 1	5.631				Si
777	16.08	1.1	0	4	197639	40914	-33873	-2.02	1.92	1177062	243666	SLV 1	5.956				Si
806	16.08	1.1	0	4	204827	-49846	-33764	-2.02	1.92	1186455	-288733	SLV 1	5.792				Si
835	16.08	1.1	0	4	219136	-78822	-33655	-2.02	1.92	1167170	-419827	SLV 1	5.326				Si
864	16.08	1.1	0	4	213754	-99150	-33546	-2.02	1.92	1097201	-508938	SLV 1	5.133				Si
893	16.08	1.1	0	4	265533	-112087	-32529	-2.02	1.92	1229411	-518958	SLV 3	4.63				Si
922	16.08	1.1	0	4	294864	-135401	-32420	-2.02	1.92	1229891	-564765	SLV 3	4.171				Si
951	16.08	1.1	0	4	326743	-159616	-32311	-2.02	1.92	1221456	-596688	SLV 3	3.738				Si
980	16.08	1.1	0	4	360426	-184381	-32202	-2.02	1.92	1206434	-617169	SLV 3	3.347				Si
1000	16.08	2.1	0	4,5	99350	169911	-20125	-2.02	1.92	568931	973001	SLV 1	5.727				Si
1029	16.08	2.1	0	4,5	104381	133033	-20018	-2.02	1.92	695637	886582	SLV 1	6.664				Si
1058	16.08	1.1	0	5	114819	98185	-19909	-2.02	1.92	869852	743837	SLV 1	7.576				Si
1087	16.08	1.1	0	5	-165827	75684	-17096	-2.02	1.92	-1245870	568619	SLV 15	7.513				Si
1116	16.08	1.1	0	5	-174231	45250	-17623	-2.02	1.92	-1447523	375937	SLV 13	8.308				Si
1145	16.08	1.1	0	5	181313	-65009	-18947	-2.02	1.92	1336845	-479318	SLV 3	7.373				Si
1174	16.08	1.1	0	5	213104	-101356	-18838	-2.02	1.92	1243072	-591229	SLV 3	5.833				Si
1203	16.08	1.1	0	5	248086	-139658	-18729	-2.02	1.92	1148200	-646369	SLV 3	4.628				Si
1232	16.08	1.1	0	5	285468	-178999	-18621	-2.02	1.92	1070645	-671331	SLV 3	3.75				Si
1261	16.08	1.1	0	5	324650	-218930	-18512	-2.02	1.92	1012035	-682472	SLV 3	3.117				Si
1290	16.08	1.1	0	5	365190	-259222	-18403	-2.02	1.92	968876	-687736	SLV 3	2.653				Si
1310	16.08	1.1	0	5	101922	175305	-5478	-2.02	1.92	442359	760854	SLV 1	4.34				Si
1339	16.05	2.1	0	5,6,7	90805	146581	-5371	-2.02	1.92	490153	791229	SLV 1	5.398				Si
1368	16.08	1.1	0	6,7	-147502	117413	-4301	-2.02	1.92	-737078	586721	SLV 13	4.997				Si
1397	16.08	1.1	0	6,7	-147900	98193	-4192	-2.02	1.92	-827433	549344	SLV 13	5.595				Si
1426	16.08	1.1	0	6,7	-149871	80534	-4083	-2.02	1.92	-924342	496700	SLV 13	6.168				Si
1455	16.08	1.1	0	6,7	-154409	65319	-3975	-2.02	1.92	-1013014	428533	SLV 13	6.561				Si
1484	16.08	1.1	0	6,7	-161364	56609	-3866	-2.02	1.92	-1056133	370509	SLV 13	6.545				Si
1513	16.08	1.1	0	6,7	-170513	48863	-3757	-2.02	1.92	-1085611	311095	SLV 13	6.367				Si
1542	16.08	1.1	0	6,7	-181585	41589	-3648	-2.02	1.92	-1105540	253208	SLV 13	6.088				Si
1571	16.08	1.1	0	6,7	-194284	34575	-3540	-2.02	1.92	-1117087	198801	SLV 13	5.75				Si
1600	22.11	2.1	0	6,7	94587	-146131	-4076	-2.02	1.92	588507	-909207	SLV 3	6.222				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2.1	0	1,2	365188	-227565	-50856	1048094	-653116	SLD 13	2.87	Si
-111	16.08	2.1	0	1,2	342093	-212750	-50748	1030168	-640668	SLD 13	3.011	Si
-81	16.08	1.1	0	2	318621	-197682	-50638	1007766	-625249	SLD 13	3.163	Si
-52	16.08	1.1	0	2	295176	-182619	-50527	980619	-606689	SLD 13	3.322	Si
-22	16.08	1.1	0	2	271769	-167564	-50417	948155	-584601	SLD 13	3.489	Si
7	16.08	1.1	0	2	248409	-152518	-50307	909899	-558658	SLD 13	3.663	Si
36	16.08	1.1	0	2	225113	-137485	-50196	865483	-528585	SLD 13	3.845	Si
66	16.08	1.1	0	2	201915	-122476	-50086	814629	-494133	SLD 13	4.035	Si
95	16.08	1.1	0	2	178852	-107504	-49976	757141	-455099	SLD 13	4.233	Si
125	16.08	1.1	0	2	155764	-92447	-49864	692800	-411181	SLD 13	4.448	Si
154	16.08	1.1	0	2	133523	-77864	-49755	624347	-364089	SLD 13	4.676	Si
184	16.08	1.1	0	2	111735	-64010	-49645	549716	-314917	SLD 13	4.92	Si
213	16.08	1.1	0	2	80658	-50809	-51059	412753	-260006	SLD 9	5.117	Si
242	16.08	1.1	0	2	-3584	-46039	-51610	-18871	-242436	SLD 1	5.266	Si
272	16.08	1.1	0	2	-727	-51368	-51499	-3836	-271076	SLD 1	5.277	Si
301	16.08	1.1	0	2	-10435	-54518	-51389	-55185	-288317	SLD 1	5.288	Si
331	16.08	1.1	0	2	-20050	-58238	-51279	-106262	-308650	SLD 1	5.3	Si
360	16.08	1.1	0	2	126866	-54131	-50521	615847	-262770	SLD 3	4.854	Si
380	16.08	2.1	0	2,3	-36482	214450	-40844	-163304	959928	SLD 1	4.476	Si
409	16.08	2.1	0	2,3	-34943	183085	-40737	-168117	880845	SLD 1	4.811	Si
438	16.08	1.1	0	3	-34626	151504	-40628	-178618	781520	SLD 1	5.158	Si
467	16.08	1.1	0	3	-36081	120588	-40519	-199194	665738	SLD 1	5.521	Si
496	16.08	1.1	0	3	-57302	91177	-40411	-331101	526835	SLD 1	5.778	Si
525	16.08	1.1	0	3	-41987	62169	-40302	-265796	393554	SLD 1	6.33	Si
554	16.08	1.1	0	3	-72553	40828	-38606	-479300	269714	SLD 13	6.606	Si
583	16.08	1.1	0	3	-83623	24426	-38497	-565352	165140	SLD 13	6.761	Si
612	16.08	1.1	0	3	46375	-47726	-39491	307688	-316657	SLD 3	6.635	Si
641	16.08	1.1	0	3	50892	-77830	-39383	311778	-476807	SLD 3	6.126	Si
670	16.08	1.1	0	3	56158	-108249	-39274	318720	-614360	SLD 3	5.675	Si
690	16.08	2.1	0	3,4	-48088	53030	-32646	-364214	401643	SLD 3	7.574	Si
719	16.08	2.1	0	3,4	100885	44308	-32895	711493	312486	SLD 1	7.053	Si
748	16.08	1.1	0	4	104244	29653	-32786	759867	216152	SLD 1	7.289	Si
777	16.08	1.1	0	4	108850	13386	-32678	819681	100799	SLD 1	7.53	Si
806	16.08	1.1	0	4	116133	-28048	-32569	835747	-201843	SLD 1	7.196	Si
835	16.08	1.1	0	4	126100	-45045	-32460	858575	-306700	SLD 1	6.809	Si
864	16.08	1.1	0	4	126612	-58667	-32351	835787	-387273	SLD 1	6.601	Si
893	16.08	1.1	0	4	152736	-69286	-31886	951368	-431575	SLD 3	6.229	Si
922	16.08	1.1	0	4	168435	-84111	-31777	988642	-493695	SLD 3	5.87	Si
951	16.08	1.1	0	4	185159	-99286	-31669	1020033	-546962	SLD 3	5.509	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
980	16.08	1.1	0	4	202616	-114675	-31560	1044339	-591068	SLD 3	5.154	Si
1000	16.08	2.1	0	4,5	-128696	106092	-18235	-925964	763333	SLD 11	7.195	Si
1029	16.08	2.1	0	4,5	-107963	81662	-18128	-923109	698227	SLD 11	8.55	Si
1058	16.08	1.1	0	5	-88759	56761	-18019	-899590	575288	SLD 11	10.135	Si
1087	16.08	1.1	0	5	-83572	49216	-17917	-891463	524981	SLD 15	10.667	Si
1116	16.08	1.1	0	5	-77613	21784	-18058	-941523	264266	SLD 13	12.131	Si
1145	16.08	1.1	0	5	76876	-36687	-18512	864756	-412686	SLD 3	11.249	Si
1174	16.08	1.1	0	5	98425	-65915	-18404	922987	-618129	SLD 3	9.378	Si
1203	16.08	1.1	0	5	121353	-95921	-18295	933225	-737647	SLD 3	7.69	Si
1232	16.08	1.1	0	5	145339	-126342	-18186	912514	-793241	SLD 3	6.279	Si
1261	16.08	1.1	0	5	170127	-157000	-18077	880618	-812670	SLD 3	5.176	Si
1290	16.08	1.1	0	5	195524	-187803	-17969	849416	-815873	SLD 3	4.344	Si
1310	16.08	1.1	0	5	27531	145462	-5090	180983	956219	SLD 1	6.574	Si
1339	16.05	2.1	0	5,6,7	20519	123105	-4984	172085	1032426	SLD 1	8.387	Si
1368	16.08	1.1	0	6,7	-80572	100246	-4496	-634684	789663	SLD 13	7.877	Si
1397	16.08	1.1	0	6,7	-81700	81294	-4388	-781026	777147	SLD 13	9.56	Si
1426	16.08	1.1	0	6,7	-83506	62761	-4279	-938289	705191	SLD 13	11.236	Si
1455	16.08	1.1	0	6,7	-86516	45321	-4170	-1136313	595250	SLD 13	13.134	Si
1484	16.08	1.1	0	6,7	-90696	30701	-4061	-1352011	457670	SLD 13	14.907	Si
1513	16.08	1.1	0	6,7	-95951	16499	-3953	-1604934	275968	SLD 13	16.727	Si
1542	16.08	1.1	0	6,7	-98089	-21854	-4121	-1519846	-338623	SLD 9	15.495	Si
1571	16.08	1.1	0	6,7	-80063	-59248	-4126	-947646	-701278	SLD 5	11.836	Si
1600	22.11	2.1	0	6,7	-86454	-80391	-4017	-937837	-872065	SLD 5	10.848	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	305	-83094	SLU 49	12805	42315	43268	2.4	138.53	170	-68471	SLU 40	12600	39534	45230	2.5	232.32	Si
-111	4X/2Y Ø8/10	305	-82953	SLU 49	12805	42315	43268	2.4	138.53	170	-68330	SLU 40	12600	39534	45230	2.5	232.32	Si
-81	4X/2Y Ø8/10	305	-82810	SLU 49	12805	42315	43268	2.4	138.53	170	-68186	SLU 40	12600	39534	45230	2.5	232.32	Si
-52	4X/2Y Ø8/10	305	-82666	SLU 49	12805	42315	43268	2.4	138.53	170	-68043	SLU 40	12600	39534	45230	2.5	232.32	Si
-22	4X/2Y Ø8/15	305	-82523	SLU 49	12805	29386	42024	2.5	96.2	170	-67899	SLU 40	12600	26356	45230	2.5	154.88	Si
7	4X/2Y Ø8/15	305	-82379	SLU 49	12805	29386	42024	2.5	96.2	170	-67756	SLU 40	12600	26356	45230	2.5	154.88	Si
36	4X/2Y Ø8/15	305	-82236	SLU 49	12805	29386	42024	2.5	96.2	170	-67613	SLU 40	12600	26356	45230	2.5	154.88	Si
66	4X/2Y Ø8/15	305	-82093	SLU 49	12805	29386	42024	2.5	96.2	170	-67469	SLU 40	12600	26356	45230	2.5	154.88	Si
95	4X/2Y Ø8/15	305	-81949	SLU 49	12805	29386	42024	2.5	96.2	170	-67326	SLU 40	12600	26356	45230	2.5	154.88	Si
125	4X/2Y Ø8/15	305	-81804	SLU 49	12805	29386	42024	2.5	96.2	170	-67181	SLU 40	12600	26356	45230	2.5	154.88	Si
154	4X/2Y Ø8/15	305	-81662	SLU 49	12805	29386	42024	2.5	96.2	170	-67039	SLU 40	12600	26356	45230	2.5	154.88	Si
184	4X/2Y Ø8/15	305	-81519	SLU 49	12805	29386	42024	2.5	96.2	170	-66896	SLU 40	12600	26356	45230	2.5	154.88	Si
213	4X/2Y Ø8/15	305	-81378	SLU 49	12805	29386	42024	2.5	96.2	170	-66755	SLU 40	12600	26356	45230	2.5	154.88	Si
242	4X/2Y Ø8/10	305	-81232	SLU 49	12805	42315	43268	2.4	138.53	170	-66609	SLU 40	12600	39534	45230	2.5	232.32	Si
272	4X/2Y Ø8/10	305	-81089	SLU 49	12805	42315	43268	2.4	138.53	170	-66466	SLU 40	12600	39534	45230	2.5	232.32	Si
301	4X/2Y Ø8/10	305	-80946	SLU 49	12805	42315	43268	2.4	138.53	170	-66322	SLU 40	12600	39534	45230	2.5	232.32	Si
331	4X/2Y Ø8/10	305	-80802	SLU 49	12805	42315	43268	2.4	138.53	170	-66179	SLU 40	12600	39534	45230	2.5	232.32	Si
360	4X/2Y Ø8/10	305	-80661	SLU 49	12805	42315	43268	2.4	138.53	170	-66038	SLU 40	12600	39534	45230	2.5	232.32	Si
380	4X/2Y Ø8/10	-1240	-64472	SLU 51	12805	42315	43163	2.4	34.14	-229	-64463	SLU 49	12600	39534	45120	2.5	172.89	Si
409	4X/2Y Ø8/10	-1240	-64333	SLU 51	12805	42315	43145	2.4	34.14	-229	-64324	SLU 49	12600	39534	45101	2.5	172.89	Si
438	4X/2Y Ø8/10	-1240	-64191	SLU 51	12805	42315	43126	2.4	34.14	-229	-64183	SLU 49	12600	39534	45081	2.5	172.89	Si
467	4X/2Y Ø8/14.4	-1240	-64050	SLU 51	12805	30516	41869	2.5	24.62	-229	-64041	SLU 49	12600	27370	45061	2.5	119.69	Si
496	4X/2Y Ø8/14.4	-1240	-63908	SLU 51	12805	30516	41850	2.5	24.62	-229	-63900	SLU 49	12600	27370	45042	2.5	119.69	Si
525	4X/2Y Ø8/14.4	-1240	-63767	SLU 51	12805	30516	41832	2.5	24.62	-229	-63759	SLU 49	12600	27370	45022	2.5	119.69	Si
554	4X/2Y Ø8/14.4	-1240	-63626	SLU 51	12805	30516	41814	2.5	24.62	-229	-63617	SLU 49	12600	27370	45003	2.5	119.69	Si
583	4X/2Y Ø8/14.4	-1240	-63484	SLU 51	12805	30516	41796	2.5	24.62	-229	-63476	SLU 49	12600	27370	44983	2.5	119.69	Si
612	4X/2Y Ø8/10	-1240	-63343	SLU 51	12805	42315	43014	2.4	34.14	-229	-63335	SLU 49	12600	39534	44963	2.5	172.89	Si
641	4X/2Y Ø8/10	-1240	-63202	SLU 51	12805	42315	42995	2.4	34.14	-229	-63193	SLU 49	12600	39534	44944	2.5	172.89	Si
670	4X/2Y Ø8/10	-1240	-63060	SLU 51	12805	42315	42976	2.4	34.14	-229	-63052	SLU 49	12600	39534	44924	2.5	172.89	Si
690	4X/2Y Ø8/10	-563	-52834	SLU 52	12805	41434	42237	2.35	73.6	421	-52874	SLU 49	12600	39534	43513	2.5	93.94	Si
719	4X/2Y Ø8/10	-563	-52695	SLU 52	12805	41434	42218	2.35	73.6	421	-52735	SLU 49	12600	39534	43494	2.5	93.94	Si
748	4X/2Y Ø8/10	-563	-52553	SLU 52	12805	41434	42199	2.35	73.6	421	-52594	SLU 49	12600	39534	43474	2.5	93.94	Si
777	4X/2Y Ø8/14.4	-563	-52412	SLU 52	12805	30516	40370	2.5	54.2	421	-52452	SLU 49	12600	27370	43455	2.5	65.04	Si
806	4X/2Y Ø8/14.4	-563	-52271	SLU 52	12805	30516	40352	2.5	54.2	421	-52311	SLU 49	12600	27370	43435	2.5	65.04	Si
835	4X/2Y Ø8/14.4	-563	-52129	SLU 52	12795	30516	40333	2.5	54.2	421	-52170	SLU 49	12595	27370	43416	2.5	65.04	Si
864	4X/2Y Ø8/14.4	-563	-51988	SLU 52	12778	30516	40315	2.5	54.2	421	-52028	SLU 49	12576	27370	43396	2.5	65.04	Si
893	4X/2Y Ø8/14.4	-563	-51847	SLU 52	12760	30516	40297	2.5	54.2	421	-51887	SLU 49	12557	27370	43377	2.5	65.04	Si
922	4X/2Y Ø8/10	-563	-51705	SLU 52	12743	41434	42085	2.35	73.6	421	-51746	SLU 49	12538	39534	43357	2.5	93.94	Si
951	4X/2Y Ø8/10	-563	-51564	SLU 52	12725	41434	42066	2.35	73.6	421	-51604	SLU 49	12519	39534	43337	2.5	93.94	Si
980	4X/2Y Ø8/10	-563	-51422	SLU 52	12707	41434	42047	2.35	73.6	421	-51463	SLU 49	12501	39534	43318	2.5	93.94	Si
1000	4X/2Y Ø8/10	-1452	-31013	SLU 49	10166	39671	40483	2.25	27.33	989	-30980	SLU 50	9756	39534	40478	2.5	39.98	Si
1029	4X/2Y Ø8/10	-1452	-30874	SLU 49	10149	39671	40464	2.25	27.33	989	-30841	SLU 50	9737	39534	40459	2.5	39.98	Si
1058	4X/2Y Ø8/10	-1452	-30733	SLU 49	10132	39671	40444	2.25	27.33	989	-30700	SLU 50	9718	39534	40440	2.5	39.98	Si
1087	4X/2Y Ø8/14.4	-1452	-30591	SLU 49	10114	30516	37559	2.5	21.02	989	-30559	SLU 50	9699	27370	40420	2.5	27.68	Si
1116	4X/2Y Ø8/14.4	-1452	-30450	SLU 49	10096	30516	37541	2.5	21.02	989	-30417	SLU 50	9680	27370	40400	2.5	27.68	Si
1145	4X/2Y Ø8/14.4	-1452	-30308	SLU 49	10079	30516	37523	2.5	21.02	989	-30276	SLU 50	9662	27370	40381	2.5	27.68	Si
1174	4X/2Y Ø8/14.4	-1452	-30167	SLU 49	10061	30516	37505	2.5	21.02	989	-30135	SLU 50	9643	27370	40361	2.5	27.68	Si
1203	4X/2Y Ø8/14.4	-1452	-30026	SLU 49	10044	30516	37487	2.5	21.02	989	-29993	SLU 50	9624	27370	40342	2.5	27.68	Si
1232	4X/2Y Ø8/10	-1452	-29884	SLU 49	10026	39671	40327	2.25	27.33	989	-29852	SLU 50	9605	39534	40322	2.5	39.98	Si
1261	4X/2Y Ø8/10	-1452	-29743	SLU 49	10008	39671	40307	2.25	27.33	989	-29710	SLU 50	9586	39534	40302	2.5	39.98	Si
1290	4X/2Y Ø8/10	-1452	-29602	SLU 49	9991	39671	40288	2.25	27.33	989	-29569	SLU 50	9567	39534	40283	2.5	39.98	Si
1310	4X/2Y Ø8/10	-1138	-8361	SLU 51	7346	37907	38476	2.15	33.32	-186	-7556	SLU 38	6617	37953	38333	2.4	203.81	Si
1339	4X/2Y Ø8/10	-1138	-8222	SLU 51	7329	37907	38456	2.15	33.32	-186	-7418	SLU 38	6599	37953	38313	2.4	203.81	Si
1368	4X/2Y Ø8/10	-1138	-8081	SLU 51	7311	37907	38436	2.15	33.32	-186	-7276	SLU 38	6580	37953	38293	2.4	203.81	Si
1397	4X/2Y Ø8/14.4	-1138	-7940	SLU 51	7294	30516	34642	2.5	26.82	-186	-7135	SLU 38	6561	27370	37173	2.5	146.98	Si
1426	4X/2Y Ø8/14.4	-1138	-7798	SLU 51	7276	30516	34624	2.5	26.82	-186	-6993	SLU 38	6542	27370	37153	2.5	146.98	Si
1455	4X/2Y Ø8/14.4	-1138	-7657	SLU 51	7259	30516	34606	2.5	26.82	-186	-6852	SLU 38	6523	27370	37134	2.5	146.98	Si
1484	4X/2Y Ø8/14.4	-1138	-7515	SLU 51	7241	30516	34587	2.5	26.82	-186	-6711	SLU 38	6504	27370	37114	2.5	146.98	Si
1513	4X/2Y Ø8/14.4	-1138	-7374	SLU 51	7223	30516	34569	2.5	26.82	-186	-6569	SLU 38	6485	27370	37095	2.5	146.98	Si
1542	4X/2Y Ø8/10	-1138	-7233	SLU 51	7206	37907	38315	2.15	33.32	-186	-6428	SLU 38	6466	37953	38172	2.4	203.81	Si
1571	4X/2Y Ø8/10	-1138	-7091	SLU 51	7188	37907	38295	2.15	33.32	-186	-6287	SLU 38	6447	37953	38152	2.4	203.81	Si
1600	4X/2Y Ø8/10	-1138	-6950	SLU 51	7171	37907	38275	2.15	33.32	-186	-6145	SLU 38	6428	37953	38132	2.4	203.81	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	1105	-47992	SLV 15	12280	41434	41585	2.35	37.51	2438	-53592	SLV 3	12600	39534	43613	2.5	16.22	Si
-111	4X/2Y Ø8/10	1105	-47883	SLV 15	12267	41434	41571	2.35	37.51	2438	-53483	SLV 3	12600	39534	43598	2.5	16.22	Si
-81	4X/2Y Ø8/10	1105	-47773	SLV 15	12253	41434	41556	2.35	37.51	2438	-53373	SLV 3	12600	39534	43582	2.5	16.22	Si
-52	4X/2Y Ø8/10	1105	-47663	SLV 15	12239	41434	41541	2.35	37.51	2438	-53262	SLV 3	12600	39534	43567	2.5	16.22	Si
-22	4X/2Y Ø8/15	1105	-47552	SLV 15	12226	29386	39744	2.5	26.6	2438	-53152	SLV 3	12600	26356	43552	2.5	10.81	Si
7	4X/2Y Ø8/15	1105	-47442	SLV 15	12212	29386	39730	2.5	26.6	2438	-53042	SLV 3	12600	26356	43537	2.5	10.81	Si
36	4X/2Y Ø8/15	1105	-47332	SLV 15	12198	29386	39715	2.5	26.6	2438	-52932	SLV 3	12600	26356	43521	2.5	10.81	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
66	4X/2Y Ø8/15	1105	-47221	SLV 15	12184	29386	39701	2.5	26.6	2438	-52821	SLV 3	12600	26356	43506	2.5	10.81	Si
95	4X/2Y Ø8/15	1105	-47111	SLV 15	12171	29386	39687	2.5	26.6	2438	-52711	SLV 3	12600	26356	43491	2.5	10.81	Si
125	4X/2Y Ø8/15	1105	-47000	SLV 15	12157	29386	39673	2.5	26.6	2438	-52600	SLV 3	12600	26356	43475	2.5	10.81	Si
154	4X/2Y Ø8/15	1105	-46890	SLV 15	12143	29386	39659	2.5	26.6	2438	-52490	SLV 3	12600	26356	43460	2.5	10.81	Si
184	4X/2Y Ø8/15	1105	-46780	SLV 15	12130	29386	39644	2.5	26.6	2438	-52380	SLV 3	12600	26356	43445	2.5	10.81	Si
213	4X/2Y Ø8/15	1105	-46672	SLV 15	12116	29386	39630	2.5	26.6	2438	-52272	SLV 3	12600	26356	43430	2.5	10.81	Si
242	4X/2Y Ø8/10	1105	-46560	SLV 15	12102	40552	42009	2.3	36.71	2438	-52160	SLV 3	12594	39534	43414	2.5	16.22	Si
272	4X/2Y Ø8/10	1105	-46449	SLV 15	12088	40552	41994	2.3	36.71	2438	-52049	SLV 3	12579	39534	43399	2.5	16.22	Si
301	4X/2Y Ø8/10	1105	-46339	SLV 15	12075	40552	41979	2.3	36.71	2438	-51939	SLV 3	12564	39534	43384	2.5	16.22	Si
331	4X/2Y Ø8/10	1105	-46229	SLV 15	12061	40552	41964	2.3	36.71	2438	-51829	SLV 3	12550	39534	43368	2.5	16.22	Si
360	4X/2Y Ø8/10	1105	-46120	SLV 15	12047	40552	41949	2.3	36.71	2438	-51720	SLV 3	12535	39534	43353	2.5	16.22	Si
380	4X/2Y Ø8/10	-1686	-42456	SLV 1	11591	40552	41449	2.3	24.05	-1233	-38399	SLV 13	10750	39534	41507	2.5	32.07	Si
409	4X/2Y Ø8/10	-1686	-42349	SLV 1	11578	40552	41434	2.3	24.05	-1233	-38292	SLV 13	10736	39534	41492	2.5	32.07	Si
438	4X/2Y Ø8/10	-1686	-42240	SLV 1	11564	40552	41419	2.3	24.05	-1233	-38183	SLV 13	10721	39534	41477	2.5	32.07	Si
467	4X/2Y Ø8/14.4	-1686	-42131	SLV 1	11551	30516	39046	2.5	18.1	-1233	-38074	SLV 13	10707	27370	41462	2.5	22.2	Si
496	4X/2Y Ø8/14.4	-1686	-42023	SLV 1	11537	30516	39032	2.5	18.1	-1233	-37966	SLV 13	10692	27370	41447	2.5	22.2	Si
525	4X/2Y Ø8/14.4	-1686	-41914	SLV 1	11524	30516	39018	2.5	18.1	-1233	-37857	SLV 13	10677	27370	41432	2.5	22.2	Si
554	4X/2Y Ø8/14.4	-1686	-41805	SLV 1	11510	30516	39004	2.5	18.1	-1233	-37748	SLV 13	10663	27370	41417	2.5	22.2	Si
583	4X/2Y Ø8/14.4	-1686	-41696	SLV 1	11497	30516	38990	2.5	18.1	-1233	-37639	SLV 13	10648	27370	41402	2.5	22.2	Si
612	4X/2Y Ø8/10	-1686	-41588	SLV 1	11483	40552	41330	2.3	24.05	-1233	-37531	SLV 13	10634	39534	41386	2.5	32.07	Si
641	4X/2Y Ø8/10	-1686	-41479	SLV 1	11469	40552	41316	2.3	24.05	-1233	-37422	SLV 13	10619	39534	41371	2.5	32.07	Si
670	4X/2Y Ø8/10	-1686	-41370	SLV 1	11456	40552	41301	2.3	24.05	-1233	-37313	SLV 13	10605	39534	41356	2.5	32.07	Si
690	4X/2Y Ø8/10	-1010	-34197	SLV 1	10563	39671	40925	2.25	39.27	1380	-33288	SLV 3	10065	39534	40798	2.5	28.66	Si
719	4X/2Y Ø8/10	-1010	-34090	SLV 1	10550	39671	40910	2.25	39.27	1380	-33181	SLV 3	10051	39534	40784	2.5	28.66	Si
748	4X/2Y Ø8/10	-1010	-33981	SLV 1	10536	39671	40895	2.25	39.27	1380	-33072	SLV 3	10036	39534	40768	2.5	28.66	Si
777	4X/2Y Ø8/14.4	-1010	-33873	SLV 1	10523	30516	37982	2.5	30.21	1380	-32964	SLV 3	10022	27370	40753	2.5	19.84	Si
806	4X/2Y Ø8/14.4	-1010	-33764	SLV 1	10509	30516	37968	2.5	30.21	1380	-32855	SLV 3	10007	27370	40738	2.5	19.84	Si
835	4X/2Y Ø8/14.4	-1010	-33655	SLV 1	10495	30516	37954	2.5	30.21	1380	-32746	SLV 3	9993	27370	40723	2.5	19.84	Si
864	4X/2Y Ø8/14.4	-1010	-33546	SLV 1	10482	30516	37940	2.5	30.21	1380	-32637	SLV 3	9978	27370	40708	2.5	19.84	Si
893	4X/2Y Ø8/14.4	-1010	-33438	SLV 1	10468	30516	37926	2.5	30.21	1380	-32529	SLV 3	9963	27370	40693	2.5	19.84	Si
922	4X/2Y Ø8/10	-1010	-33329	SLV 1	10455	39671	40804	2.25	39.27	1380	-32420	SLV 3	9949	39534	40678	2.5	28.66	Si
951	4X/2Y Ø8/10	-1010	-33220	SLV 1	10441	39671	40789	2.25	39.27	1380	-32311	SLV 3	9934	39534	40663	2.5	28.66	Si
980	4X/2Y Ø8/10	-1010	-33111	SLV 1	10428	39671	40774	2.25	39.27	1380	-32202	SLV 3	9920	39534	40648	2.5	28.66	Si
1000	4X/2Y Ø8/10	-1535	-20125	SLV 1	8811	38789	39560	2.2	25.26	1598	-19489	SLV 3	8216	38743	39455	2.45	24.24	Si
1029	4X/2Y Ø8/10	-1535	-20018	SLV 1	8798	38789	39545	2.2	25.26	1598	-19382	SLV 3	8202	38743	39440	2.45	24.24	Si
1058	4X/2Y Ø8/10	-1535	-19909	SLV 1	8784	38789	39529	2.2	25.26	1598	-19273	SLV 3	8187	38743	39424	2.45	24.24	Si
1087	4X/2Y Ø8/14.4	-1535	-19800	SLV 1	8770	30516	36170	2.5	19.87	1598	-19164	SLV 3	8173	27370	38841	2.5	17.12	Si
1116	4X/2Y Ø8/14.4	-1535	-19691	SLV 1	8757	30516	36156	2.5	19.87	1598	-19056	SLV 3	8158	27370	38826	2.5	17.12	Si
1145	4X/2Y Ø8/14.4	-1535	-19583	SLV 1	8743	30516	36142	2.5	19.87	1598	-18947	SLV 3	8143	27370	38810	2.5	17.12	Si
1174	4X/2Y Ø8/14.4	-1535	-19474	SLV 1	8730	30516	36128	2.5	19.87	1598	-18838	SLV 3	8129	27370	38795	2.5	17.12	Si
1203	4X/2Y Ø8/14.4	-1535	-19365	SLV 1	8716	30516	36114	2.5	19.87	1598	-18729	SLV 3	8114	27370	38780	2.5	17.12	Si
1232	4X/2Y Ø8/10	-1535	-19256	SLV 1	8703	38789	39438	2.2	25.26	1598	-18621	SLV 3	8100	38743	39333	2.45	24.24	Si
1261	4X/2Y Ø8/10	-1535	-19148	SLV 1	8689	38789	39422	2.2	25.26	1598	-18512	SLV 3	8085	38743	39317	2.45	24.24	Si
1290	4X/2Y Ø8/10	-1535	-19039	SLV 1	8676	38789	39407	2.2	25.26	1598	-18403	SLV 3	8071	38743	39302	2.45	24.24	Si
1310	4X/2Y Ø8/10	-1117	-5478	SLV 1	6987	37907	38064	2.15	33.95	-702	-5478	SLV 1	6339	37953	38036	2.4	54.07	Si
1339	4X/2Y Ø8/10	-1117	-5371	SLV 1	6974	37907	38049	2.15	33.95	-702	-5371	SLV 1	6324	37953	38021	2.4	54.07	Si
1368	4X/2Y Ø8/10	-1117	-5262	SLV 1	6961	37907	38033	2.15	33.95	-702	-5262	SLV 1	6310	37953	38006	2.4	54.07	Si
1397	4X/2Y Ø8/14.4	-1117	-5153	SLV 1	6947	30516	34283	2.5	27.33	-702	-5153	SLV 1	6295	27370	36898	2.5	38.99	Si
1426	4X/2Y Ø8/14.4	-1117	-5045	SLV 1	6933	30516	34269	2.5	27.33	-702	-5045	SLV 1	6281	27370	36883	2.5	38.99	Si
1455	4X/2Y Ø8/14.4	-1117	-4936	SLV 1	6920	30516	34255	2.5	27.33	-702	-4936	SLV 1	6266	27370	36868	2.5	38.99	Si
1484	4X/2Y Ø8/14.4	-1117	-4827	SLV 1	6906	30516	34241	2.5	27.33	-702	-4827	SLV 1	6251	27370	36853	2.5	38.99	Si
1513	4X/2Y Ø8/14.4	-1117	-4718	SLV 1	6893	30516	34227	2.5	27.33	-702	-4718	SLV 1	6237	27370	36838	2.5	38.99	Si
1542	4X/2Y Ø8/10	-1117	-4610	SLV 1	6879	37907	37940	2.15	33.95	-702	-4610	SLV 1	6222	37162	38474	2.35	52.94	Si
1571	4X/2Y Ø8/10	-1117	-4501	SLV 1	6866	37907	37925	2.15	33.95	-702	-4501	SLV 1	6208	37162	38459	2.35	52.94	Si
1600	4X/2Y Ø8/10	-1117	-4392	SLV 1	6852	37907	37909	2.15	33.95	-702	-4392	SLV 1	6193	37162	38443	2.35	52.94	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	561	-50207	SLD 15	12556	44078	40086	2.5	71.49	1021	-52392	SLD 3	12625	39534	43446	2.5	38.7	Si
-111	4X/2Y Ø8/10	561	-50098	SLD 15	12543	44078	40072	2.5	71.47	1021	-52283	SLD 3	12610	39534	43431	2.5	38.7	Si
-81	4X/2Y Ø8/10	561	-49988	SLD 15	12529	44078	40058	2.5	71.44	1021	-52173	SLD 3	12596	39534	43416	2.5	38.7	Si
-52	4X/2Y Ø8/10	561	-49878	SLD 15	12515	44078	40043	2.5	71.42	1021	-52063	SLD 3	12581	39534	43401	2.5	38.7	Si
-22	4X/2Y Ø8/15	561	-49767	SLD 15	12501	29386	40029	2.5	52.41	1021	-51953	SLD 3	12566	26356	43386	2.5	25.8	Si
7	4X/2Y Ø8/15	561	-49657	SLD 15	12488	29386	40015	2.5	52.41	1021	-51842	SLD 3	12551	26356	43370	2.5	25.8	Si
36	4X/2Y Ø8/15	561	-49547	SLD 15	12474	29386	40001	2.5	52.41	1021	-51732	SLD 3	12537	26356	43355	2.5	25.8	Si
66	4X/2Y Ø8/15	561	-49436	SLD 15	12460	29386	39987	2.5	52.41	1021	-51622	SLD 3	12522	26356	43340	2.5	25.8	Si
95	4X/2Y Ø8/15	561	-49326	SLD 15	12446	29386	39972	2.5	52.41	1021	-51511	SLD 3	12507	26356	43324	2.5	25.8	Si
125	4X/2Y Ø8/15	561	-49215	SLD 15	12433	29386	39958	2.5	52.41	1021	-51400	SLD 3	12492	26356	43309	2.5	25.8	Si
154	4X/2Y Ø8/15	561	-49105	SLD 15	12419	29386	39944	2.5	52.41	1021	-51291	SLD 3	12477	26356	43294	2.5	25.8	Si
184	4X/2Y Ø8/15	561	-48995	SLD 15	12405	29386	39930	2.5	52.41	1021	-51180	SLD 3	12463	26356	43279	2.5	25.8	Si
213	4X/2Y Ø8/15	561	-48887	SLD 15	12392	29386	39916	2.5	52.41	1021	-51072	SLD 3	12448	26356	43264	2.5	25.8	Si
242	4X/2Y Ø8/10	561	-48775	SLD 15	12378	44078	39901	2.5	71.17	1021	-50960	SLD 3	12433	39534	43248	2.5	38.7	Si
272	4X/2Y Ø8/10	561	-48664	SLD 15	12364	44078	39887	2.5	71.14	1021	-50850	SLD 3	12418	39534	43233	2.5	38.7	Si
301	4X/2Y Ø8/10	561	-48554	SLD 15	12350	44078	39873	2.5	71.12	1021	-50739	SLD 3	12404	39534	43217	2.5	38.7	Si
331	4X/2Y Ø8/10	561	-48444	SLD 15	12337	44078	39859	2.5	71.09	1021	-50629	SLD 3	12389	39534	43202	2.5	38.7	Si
360	4X/2Y Ø8/10	561	-48335	SLD 15	12323	44078	39845	2.5	71.07	1021	-50521	SLD 3	12374	39534	43187	2.5	38.7	Si
380	4X/2Y Ø8/10	-1122	-40844	SLD 1	11390	44078	38880	2.5	34.65	-581	-39256	SLD 13	10865	39534	41626	2.5	68.07	Si
409	4X/2Y Ø8/10	-1122	-40737	SLD 1	11377	44078	38866	2.5	34.64	-581	-39150	SLD 13	10851	39534	41611	2.5	68.07	Si
438	4X/2Y Ø8/10	-1122	-40628	SLD 1	11364	44078	38852	2.5	34.63	-581	-39041	SLD 13	10836	39534	41596	2.5	68.07	Si
467	4X/2Y Ø8/14.4	-1122	-40519	SLD 1	11350	30516	38838	2.5	27.2	-581	-38932	SLD 13	10821	27370	41581	2.5	47.13	Si
496	4X/2Y Ø8/14.4	-1122	-40411	SLD 1	11337	30516	38824	2.5	27.2	-581	-38823	SLD 13	10807	27370	41566	2.5	47.13	Si
525	4X/2Y Ø8/14.4	-1122	-40302	SLD 1	11323	30516	38810	2.5	27.2	-581	-38715	SLD 13	10792	27370	41551	2.5	47.13	Si
554	4X/2Y Ø8/14.4	-1122	-40193	SLD 1	11309	30516	38796	2.5	27.2	-581	-38606	SLD 13	10778	27370	41536	2.5	47.13	Si
583	4X/2Y Ø8/14.4	-1122	-40084	SLD 1	11296	30516	38782	2.5	27.2	-581	-38497	SLD 13	10763	27370	41520	2.5	47.13	Si
612	4X/2Y Ø8/10	-1122	-39976	SLD 1	11282	44078	38768	2.5	34.55	-581	-38388	SLD 13	10749	39534	41505	2.5	68.07	Si
641	4X/2Y Ø8/10	-1122	-39867	SLD 1	11269	44078	38754	2.5	34.54	-581	-38280	SLD 13	10734	39534	41490	2.5	68.07	Si
670	4X/2Y Ø8/10	-1122	-39758	SLD 1	11255	44078	38740	2.5	34.53	-581	-38171	SLD 13	10719	39534	41475	2.5	68.07	Si
690	4X/2Y Ø8/10	-595	-33002	SLD 1	10414	44078	37870	2.5	63.68	692	-32646	SLD 3	9979	39534	40709	2.5	57.13	Si
719	4X/2Y Ø8/10	-595	-32895	SLD 1	10401	44078	37856	2.5	63.65	692	-32539	SLD 3	9965	39534	40694	2.5	57.13	Si
748	4X/2Y Ø8/10	-595	-32786	SLD 1	10387	44078	37842	2.5	63.63	692	-32430	SLD 3	9950	39534	40679	2.5	57.13	Si
777	4X/2Y Ø8/14.4	-595	-32678	SLD 1	10374	30516	37828	2.5	51.31	692	-32321	SLD 3	9936	27370	40664	2.5	39.55	Si
806	4X/2Y Ø8/14.4	-595	-32569	SLD 1	10360	30516	37814	2.5	51.31	692	-32212	SLD 3	9921	27370	40649	2.5	39.55	Si
835	4X/2Y Ø8/14.4	-595	-32460	SLD 1	10347	30516	37800	2.5	51.31	692	-32104	SLD 3	9906	27370	40634	2.5	39.55	Si
864	4X/2Y Ø8/14.4	-595	-32351	SLD 1	10333	30516	37786	2.5	51.31	692	-31995	SLD 3	9892	27370	40619	2.5	39.55	Si
893	4X/2Y Ø8/14.4	-595	-32243	SLD 1	10320	30516	37772	2.5	51.31	692	-31886	SLD 3	9877	27370	40604	2.5	39.55	Si
922	4X/2Y Ø8/10	-595	-32134	SLD 1	10306	44078	37758	2.5	63.49	692	-31777	SLD 3	9863	39534	40589	2.5	57.13	Si
951	4X/2Y Ø8/10	-595	-32025	SLD 1	10292	44078	37744	2.5	63.46	692	-31669	SLD 3	9848	39534	40574	2.5	57.13	Si
980	4X/2Y Ø8/10	-595	-31916	SLD 1	10279	44078	37730	2.5	63.44	692	-31560	SLD 3	9834	39534	40559	2.5	57.13	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1000	4X/2Y Ø8/10	-1121	-19304	SLD 1	8709	44078	36106	2.5	32.2	966	-19054	SLD 3	8158	39534	38825	2.5	40.19	Si
1029	4X/2Y Ø8/10	-1121	-19197	SLD 1	8695	44078	36092	2.5	32.19	966	-18947	SLD 3	8144	39534	38810	2.5	40.17	Si
1058	4X/2Y Ø8/10	-1121	-19088	SLD 1	8682	44078	36078	2.5	32.17	966	-18839	SLD 3	8129	39534	38795	2.5	40.16	Si
1087	4X/2Y Ø8/14.4	-1121	-18979	SLD 1	8668	30516	36064	2.5	27.21	966	-18730	SLD 3	8114	27370	38780	2.5	28.33	Si
1116	4X/2Y Ø8/14.4	-1121	-18871	SLD 1	8655	30516	36050	2.5	27.21	966	-18621	SLD 3	8100	27370	38765	2.5	28.33	Si
1145	4X/2Y Ø8/14.4	-1121	-18762	SLD 1	8641	30516	36036	2.5	27.21	966	-18512	SLD 3	8085	27370	38750	2.5	28.33	Si
1174	4X/2Y Ø8/14.4	-1121	-18653	SLD 1	8628	30516	36022	2.5	27.21	966	-18404	SLD 3	8071	27370	38735	2.5	28.33	Si
1203	4X/2Y Ø8/14.4	-1121	-18544	SLD 1	8614	30516	36008	2.5	27.21	966	-18295	SLD 3	8056	27370	38720	2.5	28.33	Si
1232	4X/2Y Ø8/10	-1121	-18436	SLD 1	8601	44078	35994	2.5	32.1	966	-18186	SLD 3	8042	39534	38705	2.5	40.06	Si
1261	4X/2Y Ø8/10	-1121	-18327	SLD 1	8587	44078	35980	2.5	32.09	966	-18077	SLD 3	8027	39534	38690	2.5	40.05	Si
1290	4X/2Y Ø8/10	-1121	-18218	SLD 1	8574	44078	35966	2.5	32.07	966	-17969	SLD 3	8012	39534	38675	2.5	40.03	Si
1310	4X/2Y Ø8/10	-826	-5090	SLD 1	6939	44078	34275	2.5	41.47	-358	-5090	SLD 1	6287	39534	36890	2.5	102.94	Si
1339	4X/2Y Ø8/10	-826	-4984	SLD 1	6926	44078	34261	2.5	41.46	-358	-4984	SLD 1	6272	39534	36875	2.5	102.9	Si
1368	4X/2Y Ø8/10	-826	-4875	SLD 1	6912	44078	34247	2.5	41.44	-358	-4875	SLD 1	6258	39534	36860	2.5	102.86	Si
1397	4X/2Y Ø8/14.4	-826	-4766	SLD 1	6899	30516	34233	2.5	36.93	-358	-4766	SLD 1	6243	27370	36845	2.5	76.38	Si
1426	4X/2Y Ø8/14.4	-826	-4657	SLD 1	6885	30516	34219	2.5	36.93	-358	-4657	SLD 1	6229	27370	36830	2.5	76.38	Si
1455	4X/2Y Ø8/14.4	-826	-4549	SLD 1	6872	30516	34205	2.5	36.93	-358	-4549	SLD 1	6214	27370	36815	2.5	76.38	Si
1484	4X/2Y Ø8/14.4	-826	-4440	SLD 1	6858	30516	34191	2.5	36.93	-358	-4440	SLD 1	6200	27370	36799	2.5	76.38	Si
1513	4X/2Y Ø8/14.4	-826	-4331	SLD 1	6845	30516	34177	2.5	36.93	-358	-4331	SLD 1	6185	27370	36784	2.5	76.38	Si
1542	4X/2Y Ø8/10	-826	-4222	SLD 1	6831	44078	34163	2.5	41.34	-358	-4222	SLD 1	6170	39534	36769	2.5	102.61	Si
1571	4X/2Y Ø8/10	-826	-4114	SLD 1	6818	44078	34149	2.5	41.32	-358	-4114	SLD 1	6156	39534	36754	2.5	102.57	Si
1600	4X/2Y Ø8/10	-826	-4005	SLD 1	6804	44078	34135	2.5	41.31	-358	-4005	SLD 1	6141	39534	36739	2.5	102.52	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	-3924	-125431	-58448	SLE RA 10	-47.7	-3924	-125431	-58448	SLE RA 10	-642	Si
-111	-1089	-119293	-58340	SLE RA 10	-46.8	-1089	-119293	-58340	SLE RA 10	-633.5	Si
-81	3135	-112609	-58238	SLE RA 12	-46.1	1795	-113049	-58230	SLE RA 10	-625.9	Si
-52	5893	-106416	-58128	SLE RA 12	-45.6	5893	-106416	-58128	SLE RA 12	-619.3	Si
-22	8652	-100222	-58017	SLE RA 12	-45	8652	-100222	-58017	SLE RA 12	-613.9	Si
7	11410	-94028	-57907	SLE RA 12	-44.4	11410	-94028	-57907	SLE RA 12	-608.6	Si
36	14168	-87834	-57797	SLE RA 12	-43.9	14168	-87834	-57797	SLE RA 12	-603.3	Si
66	16927	-81641	-57686	SLE RA 12	-43.3	16927	-81641	-57686	SLE RA 12	-597.9	Si
95	19685	-75447	-57576	SLE RA 12	-42.8	19685	-75447	-57576	SLE RA 12	-592.6	Si
125	22471	-69191	-57465	SLE RA 12	-42.2	22471	-69191	-57465	SLE RA 12	-587.2	Si
154	25201	-63059	-57356	SLE RA 12	-41.6	25201	-63059	-57356	SLE RA 12	-581.9	Si
184	27960	-56866	-57245	SLE RA 12	-41.1	27960	-56866	-57245	SLE RA 12	-576.5	Si
213	22640	-56766	-57100	SLE RA 13	-40.6	30677	-50765	-57137	SLE RA 12	-571.3	Si
242	23700	-52683	-56988	SLE RA 13	-40.2	23700	-52683	-56988	SLE RA 13	-566.4	Si
272	24744	-48660	-56878	SLE RA 13	-39.7	24744	-48660	-56878	SLE RA 13	-562	Si
301	25788	-44637	-56767	SLE RA 13	-39.3	25788	-44637	-56767	SLE RA 13	-557.6	Si
331	26832	-40614	-56657	SLE RA 13	-38.9	26832	-40614	-56657	SLE RA 13	-553.2	Si
360	27858	-36660	-56549	SLE RA 13	-38.4	28397	-36342	-56540	SLE RA 11	-548.9	Si
380	8219	180863	-45319	SLE RA 10	-46.6	8062	180864	-45324	SLE RA 12	-590.8	Si
409	3532	156105	-45212	SLE RA 10	-43.5	3396	156097	-45217	SLE RA 12	-561.4	Si
438	-1353	130896	-45109	SLE RA 12	-40.5	-1353	130896	-45109	SLE RA 12	-532.3	Si
467	-6101	105695	-45000	SLE RA 12	-38	-6101	105695	-45000	SLE RA 12	-505.6	Si
496	-10849	80493	-44891	SLE RA 12	-35.4	-10849	80493	-44891	SLE RA 12	-481.5	Si
525	-15597	55292	-44782	SLE RA 12	-32.9	-15597	55292	-44782	SLE RA 12	-457.5	Si
554	-20312	30146	-44668	SLE RA 10	-30.4	-20346	30091	-44674	SLE RA 12	-433.5	Si
583	-25080	4954	-44559	SLE RA 10	-27.9	-25080	4954	-44559	SLE RA 10	-409.4	Si
612	-29842	-20311	-44456	SLE RA 12	-29.8	-29842	-20311	-44456	SLE RA 12	-428.8	Si
641	-34591	-45512	-44347	SLE RA 12	-32.9	-34591	-45512	-44347	SLE RA 12	-458.7	Si
670	-39339	-70714	-44239	SLE RA 12	-35.9	-39339	-70714	-44239	SLE RA 12	-488.5	Si
690	38618	29149	-37135	SLE RA 13	-27.2	38618	29149	-37135	SLE RA 13	-382.3	Si
719	46343	17877	-37028	SLE RA 13	-26.4	46343	17877	-37028	SLE RA 13	-375.6	Si
748	54203	6408	-36919	SLE RA 13	-25.6	54203	6408	-36919	SLE RA 13	-368.7	Si
777	62063	-5062	-36811	SLE RA 13	-26	62063	-5062	-36811	SLE RA 13	-372.7	Si
806	69923	-16531	-36702	SLE RA 13	-27.7	69923	-16531	-36702	SLE RA 13	-390.4	Si
835	77783	-28001	-36593	SLE RA 13	-29.4	77783	-28001	-36593	SLE RA 13	-408	Si
864	85643	-39470	-36484	SLE RA 13	-31.2	85643	-39470	-36484	SLE RA 13	-425.7	Si
893	93503	-50940	-36376	SLE RA 13	-32.9	93503	-50940	-36376	SLE RA 13	-443.4	Si
922	101363	-62409	-36267	SLE RA 13	-34.7	101363	-62409	-36267	SLE RA 13	-461.1	Si
951	109223	-73879	-36158	SLE RA 13	-36.4	109223	-73879	-36158	SLE RA 13	-478.8	Si
980	117084	-85348	-36049	SLE RA 13	-38.2	117084	-85348	-36049	SLE RA 13	-496.5	Si
1000	-89463	126293	-21857	SLE RA 10	-32.7	-89463	126293	-21857	SLE RA 10	-395.6	Si
1029	-70236	97348	-21750	SLE RA 10	-28.1	-70236	97348	-21750	SLE RA 10	-348.2	Si
1058	-50672	67895	-21642	SLE RA 10	-23.4	-50672	67895	-21642	SLE RA 10	-300	Si
1087	-31108	38443	-21533	SLE RA 10	-18.8	-31108	38443	-21533	SLE RA 10	-251.7	Si
1116	-11544	8990	-21424	SLE RA 10	-14.1	-11544	8990	-21424	SLE RA 10	-203.5	Si
1145	8635	-20624	-21297	SLE RA 13	-15.1	8635	-20624	-21297	SLE RA 13	-212.5	Si
1174	28361	-49987	-21188	SLE RA 13	-19.6	28361	-49987	-21188	SLE RA 13	-258.9	Si
1203	48087	-79351	-21080	SLE RA 13	-24.2	48087	-79351	-21080	SLE RA 13	-305.3	Si
1232	67813	-108714	-20971	SLE RA 13	-28.7	67813	-108714	-20971	SLE RA 13	-351.7	Si
1261	87538	-138078	-20862	SLE RA 13	-33.3	87538	-138078	-20862	SLE RA 13	-398.1	Si
1290	107264	-167442	-20753	SLE RA 13	-42	107264	-167442	-20753	SLE RA 13	-481	Si
1310	-34435	150467	-5998	SLE RA 10	-33.8	-33707	150738	-6000	SLE RA 12	567.1	Si
1339	-38046	127650	-5891	SLE RA 10	-20.1	-38046	127650	-5891	SLE RA 10	-218.1	Si
1368	-41720	104433	-5782	SLE RA 10	-17.7	-41720	104433	-5782	SLE RA 10	-195.2	Si
1397	-45394	81216	-5674	SLE RA 10	-15.4	-45394	81216	-5674	SLE RA 10	-172.4	Si
1426	-49068	57999	-5565	SLE RA 10	-13	-49068	57999	-5565	SLE RA 10	-149.6	Si
1455	-52743	34781	-5456	SLE RA 10	-10.6	-52743	34781	-5456	SLE RA 10	-126.8	Si
1484	-56417	11564	-5347	SLE RA 10	-8.2	-56417	11564	-5347	SLE RA 10	-104	Si
1513	-60377	-11950	-5240	SLE RA 12	-8.5	-60377	-11950	-5240	SLE RA 12	-106.7	Si
1542	-64197	-35249	-5132	SLE RA 12	-11.2	-64197	-35249	-5132	SLE RA 12	-133.8	Si
1571	-68016	-58547	-5023	SLE RA 12	-14	-68016	-58547	-5023	SLE RA 12	-160.9	Si
1600	-71836	-81846	-4914	SLE RA 12	-15.8	-71836	-81846	-4914	SLE RA 12	-177.4	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	-13849	-116330	-51624	SLE QP 2	-43.5	Si
-111	-10696	-110305	-51516	SLE QP 2	-42.5	Si
-81	-7489	-104175	-51405	SLE QP 2	-41.6	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
-52	-4282	-98046	-51295	SLE QP 2	-40.6	Si
-22	-1075	-91917	-51185	SLE QP 2	-39.6	Si
7	2132	-85788	-51074	SLE QP 2	-39	Si
36	5340	-79658	-50964	SLE QP 2	-38.4	Si
66	8547	-73529	-50854	SLE QP 2	-37.9	Si
95	11754	-67400	-50744	SLE QP 2	-37.4	Si
125	14993	-61209	-50632	SLE QP 2	-36.9	Si
154	18168	-55141	-50523	SLE QP 2	-36.4	Si
184	21376	-49012	-50413	SLE QP 2	-35.8	Si
213	24535	-42975	-50304	SLE QP 2	-35.3	Si
242	27790	-36754	-50192	SLE QP 2	-34.8	Si
272	30997	-30624	-50082	SLE QP 2	-34.3	Si
301	34204	-24495	-49971	SLE QP 2	-33.8	Si
331	37412	-18366	-49861	SLE QP 2	-33.2	Si
360	40564	-12341	-49753	SLE QP 2	-32.7	Si
380	11609	156912	-39808	SLE QP 2	-41	Si
409	7112	135258	-39701	SLE QP 2	-38.3	Si
438	2535	113224	-39592	SLE QP 2	-35.4	Si
467	-2041	91190	-39484	SLE QP 2	-32.9	Si
496	-6618	69156	-39375	SLE QP 2	-30.7	Si
525	-11194	47122	-39266	SLE QP 2	-28.5	Si
554	-15770	25088	-39157	SLE QP 2	-26.3	Si
583	-20347	3054	-39049	SLE QP 2	-24.2	Si
612	-24923	-18980	-38940	SLE QP 2	-26.2	Si
641	-29500	-41013	-38831	SLE QP 2	-28.9	Si
670	-34076	-63047	-38722	SLE QP 2	-31.5	Si
690	26844	23645	-32231	SLE QP 2	-23	Si
719	33720	14431	-32124	SLE QP 2	-22.4	Si
748	40716	5054	-32015	SLE QP 2	-21.7	Si
777	47713	-4322	-31906	SLE QP 2	-22.1	Si
806	54709	-13698	-31798	SLE QP 2	-23.5	Si
835	61706	-23075	-31689	SLE QP 2	-25	Si
864	68702	-32451	-31580	SLE QP 2	-26.4	Si
893	75699	-41827	-31471	SLE QP 2	-27.9	Si
922	82695	-51204	-31363	SLE QP 2	-29.3	Si
951	89692	-60580	-31254	SLE QP 2	-30.8	Si
980	96688	-69956	-31145	SLE QP 2	-32.2	Si
1000	-73668	105051	-18773	SLE QP 2	-27.4	Si
1029	-58025	80716	-18666	SLE QP 2	-23.6	Si
1058	-42106	55954	-18557	SLE QP 2	-19.7	Si
1087	-26188	31192	-18448	SLE QP 2	-15.8	Si
1116	-10270	6430	-18340	SLE QP 2	-11.9	Si
1145	5648	-18333	-18231	SLE QP 2	-12.9	Si
1174	21566	-43095	-18122	SLE QP 2	-16.7	Si
1203	37484	-67857	-18013	SLE QP 2	-20.4	Si
1232	53403	-92619	-17905	SLE QP 2	-24.2	Si
1261	69321	-117381	-17796	SLE QP 2	-28	Si
1290	85239	-142144	-17687	SLE QP 2	-31.7	Si
1310	-27591	123918	-4839	SLE QP 2	-18.4	Si
1339	-30473	105890	-4732	SLE QP 2	-16.5	Si
1368	-33406	87546	-4623	SLE QP 2	-14.6	Si
1397	-36339	69202	-4515	SLE QP 2	-12.7	Si
1426	-39272	50858	-4406	SLE QP 2	-10.8	Si
1455	-42204	32514	-4297	SLE QP 2	-9	Si
1484	-45137	14170	-4188	SLE QP 2	-7.1	Si
1513	-48070	-4174	-4080	SLE QP 2	-6.1	Si
1542	-51003	-22519	-3971	SLE QP 2	-8.3	Si
1571	-53935	-40863	-3862	SLE QP 2	-10.4	Si
1600	-56868	-59207	-3753	SLE QP 2	-11.9	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

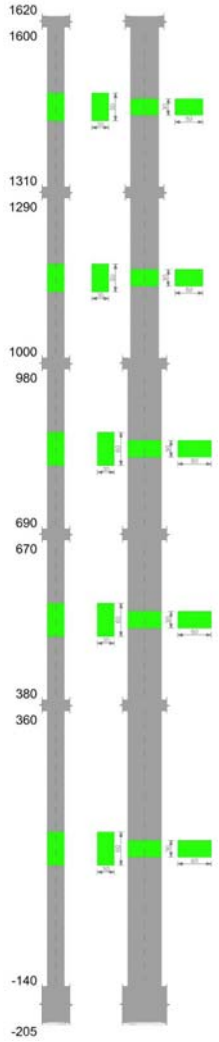
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.

Pilastro 31

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60	No	No	No	No		C30/37	B450C	
380	670	R 30x60	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.10	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.10	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.10	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.10	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	504332	504332	-185929	818158	818158	SLU 52	1.622	Si
-111	20.11	2.2	0	1,2	503874	503874	-185760	818158	818158	SLU 52	1.624	Si
-81	20.11	1.1	0	2	503407	503407	-185588	818158	818158	SLU 52	1.625	Si
-52	20.11	1.1	0	2	502940	502940	-185416	818158	818158	SLU 52	1.627	Si
-22	20.11	1.1	0	2	502473	502473	-185244	818158	818158	SLU 52	1.628	Si
7	20.11	1.1	0	2	502007	502007	-185072	818158	818158	SLU 52	1.63	Si
36	20.11	1.1	0	2	501540	501540	-184900	818158	818158	SLU 52	1.631	Si
66	20.11	1.1	0	2	501073	501073	-184727	818158	818158	SLU 52	1.633	Si
95	20.11	1.1	0	2	500607	500607	-184555	818158	818158	SLU 52	1.634	Si
125	20.11	1.1	0	2	500135	500135	-184382	818158	818158	SLU 52	1.636	Si
154	20.11	1.1	0	2	499673	499673	-184211	818158	818158	SLU 52	1.637	Si
184	20.11	1.1	0	2	499206	499206	-184039	818158	818158	SLU 52	1.639	Si
213	20.11	1.1	0	2	498747	498747	-183870	818158	818158	SLU 52	1.64	Si
242	20.11	1.1	0	2	498273	498273	-183695	818158	818158	SLU 52	1.642	Si
272	20.11	1.1	0	2	497806	497806	-183523	818158	818158	SLU 52	1.644	Si
301	20.11	1.1	0	2	497340	497340	-183351	818158	818158	SLU 52	1.645	Si
331	20.11	1.1	0	2	496873	496873	-183179	818158	818158	SLU 52	1.647	Si
360	20.11	1.1	0	2	496414	496414	-183010	818158	818158	SLU 52	1.648	Si
380	20.11	2.2	0	2,3	-292329	-292329	-146165	-647491	-647491	SLU 52	2.215	Si
409	20.11	2.2	0	2,3	-291990	-291990	-145995	-647491	-647491	SLU 52	2.218	Si
438	20.11	1.1	0	3	-291651	-291651	-145825	-647491	-647491	SLU 52	2.22	Si
467	20.11	1.1	0	3	-291311	-291311	-145656	-647491	-647491	SLU 52	2.223	Si
496	20.11	1.1	0	3	-290972	-290972	-145486	-647491	-647491	SLU 52	2.225	Si
525	20.11	1.1	0	3	-290633	-290633	-145316	-647491	-647491	SLU 52	2.228	Si
554	20.11	1.1	0	3	290293	290293	-145147	647491	647491	SLU 52	2.23	Si
583	20.11	1.1	0	3	289954	289954	-144977	647491	647491	SLU 52	2.233	Si
612	20.11	1.1	0	3	289615	289615	-144807	647491	647491	SLU 52	2.236	Si
641	20.11	1.1	0	3	289275	289275	-144638	647491	647491	SLU 52	2.238	Si
670	20.11	1.1	0	3	288936	288936	-144468	647491	647491	SLU 52	2.241	Si
690	20.11	2.2	0	3,4,6,7	-217479	-217479	-108740	-647491	-647491	SLU 52	2.977	Si
719	20.11	2.2	0	3,4,6,7	-217140	-217140	-108570	-647491	-647491	SLU 52	2.982	Si
748	20.11	1.1	0	4,6,7	-216801	-216801	-108400	-647491	-647491	SLU 52	2.987	Si
777	20.11	1.1	0	4,6,7	-216461	-216461	-108231	-647491	-647491	SLU 52	2.991	Si
806	20.11	1.1	0	4,6,7	216122	-216122	-108061	647491	-647491	SLU 52	2.996	Si
835	20.11	1.1	0	4,6,7	215783	-215783	-107891	647491	-647491	SLU 52	3.001	Si
864	20.11	1.1	0	4,6,7	215444	215444	-107722	647491	647491	SLU 52	3.005	Si
893	20.11	1.1	0	4,6,7	215104	215104	-107552	647491	647491	SLU 52	3.01	Si
922	20.11	1.1	0	4,6,7	214765	214765	-107382	647491	647491	SLU 52	3.015	Si
951	20.37	1.6	0	4,5,6,7	214426	214426	-107213	649217	649217	SLU 52	3.028	Si
980	27.42	2	0	4,5,6,7	214086	214086	-107043	695580	695580	SLU 52	3.249	Si
1000	20.11	2.4	0	5,6,7,8	-142852	-142852	-71426	-556148	-556148	SLU 52	3.893	Si
1029	17.8	2.4	0	5,6,7,8	-142569	-142569	-71284	-541580	-541580	SLU 52	3.799	Si
1058	16.08	1.1	0	8	-142286	-142286	-71143	-530708	-530708	SLU 52	3.73	Si
1087	16.08	1.1	0	8	-142003	-142003	-71002	-530708	-530708	SLU 52	3.737	Si
1116	16.08	1.1	0	8	-141721	-141721	-70860	-530708	-530708	SLU 52	3.745	Si
1145	16.08	1.1	0	8	141438	141438	-70719	530708	530708	SLU 52	3.752	Si
1174	16.08	1.1	0	8	141155	141155	-70578	530708	530708	SLU 52	3.76	Si
1203	16.08	1.1	0	8	140872	140872	-70436	530708	530708	SLU 52	3.767	Si
1232	16.08	1.1	0	8	140590	140590	-70295	530708	530708	SLU 52	3.775	Si
1261	16.08	1.1	0	8	140307	140307	-70153	530708	530708	SLU 52	3.782	Si
1290	16.08	1.1	0	8	140024	140024	-70012	530708	530708	SLU 52	3.79	Si
1310	16.08	2.1	0	8,9,10	-203634	-69293	-34647	-1321367	-449637	SLU 51	6.489	Si
1339	16.08	2.1	0	8,9,10	-153143	-69010	-34505	-1069383	-481892	SLU 51	6.983	Si
1368	16.08	1.1	0	9,10	-101659	-68815	-34407	-759328	-514002	SLU 52	7.469	Si
1397	16.08	1.1	0	9,10	-68532	-68532	-34266	-530708	-530708	SLU 52	7.744	Si
1426	16.08	1.1	0	9,10	-68249	-68249	-34125	-530708	-530708	SLU 52	7.776	Si
1455	16.08	1.1	0	9,10	67966	-67966	-33983	530708	-530708	SLU 52	7.808	Si
1484	16.08	1.1	0	9,10	98650	-67684	-33842	750304	-514785	SLU 52	7.606	Si
1513	16.08	1.1	0	9,10	149803	-67314	-33657	1071792	-481608	SLU 51	7.155	Si
1542	16.08	1.1	0	9,10	200294	-67031	-33516	1336753	-447362	SLU 51	6.674	Si
1571	16.08	1.1	0	9,10	250785	-66748	-33374	1555730	-414069	SLU 51	6.203	Si
1600	22.11	2.1	0	9,10	301276	-66466	-33233	1856306	-409526	SLU 51	6.161	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	1302628	319355	-123201	-2.02	1.92	1983138	486190	SLV 3	1.522				Si
-111	20.11	2.2	0	1,2	1202168	292866	-123070	-2.02	1.92	1931920	470645	SLV 3	1.607				Si
-81	20.11	1.1	0	2	1099980	265925	-122938	-2.02	1.92	1866560	451248	SLV 3	1.697				Si
-52	20.11	1.1	0	2	997807	238991	-122806	-2.02	1.92	1787326	428093	SLV 3	1.791				Si
-22	20.11	1.1	0	2	895653	212068	-122673	-2.02	1.92	1692565	400757	SLV 3	1.89				Si
7	20.11	1.1	0	2	793526	185161	-122541	-2.02	1.92	1581444	369012	SLV 3	1.993				Si
36	20.11	1.1	0	2	691439	158276	-122409	-2.02	1.92	1453252	332662	SLV 3	2.102				Si
66	20.11	1.1	0	2	589421	131436	-122276	-2.02	1.92	1308738	291837	SLV 3	2.22				Si
95	20.11	1.1	0	2	487513	104671	-122144	-2.02	1.92	1147078	246283	SLV 3	2.353				Si
125	20.11	1.1	0	2	384795	77802	-122010	-2.02	1.92	963283	194768	SLV 3	2.503				Si
154	20.11	1.1	0	2	182466	55994	-124603	-2.02	1.92	482175	147967	SLV 7	2.643				Si
184	20.11	1.1	0	2	120784	28559	-124471	-2.02	1.92	319515	75548	SLV 7	2.645				Si
213	20.11	1.1	0	2	47889	-9418	-124341	-2.02	1.92	126817	-24941	SLV 7	2.648				Si
242	20.11	1.1	0	2	-9330	-35289	-124206	-2.02	1.92	-24734	-93551	SLV 7	2.651				Si
272	20.11	1.1	0	2	-72318	-63554	-124074	-2.02	1.92	-191919	-168662	SLV 7	2.654				Si
301	20.11	1.1	0	2	-133378	-92306	-123942	-2.02	1.92	-354339	-245224	SLV 7	2.657				Si
331	20.11	1.1	0	2	-334207	-112726	-121085	-2.02	1.92	-839048	-283005	SLV 3	2.511				Si
360	20.11	1.1	0	2	-434318	-139116	-120955	-2.02	1.92	-1027732	-329192	SLV 3	2.366				Si
380	20.11	2.2	0	2,3	-445642	-289841	-81335	-2.02	1.92	-1190492	-774284	SLV 13	2.671				Si
409	20.11	2.2	0	2,3	-363147	-236590	-81204	-2.02	1.92	-1067795	-695667	SLV 13	2.94				Si
438	20.11	1.1	0	3	-281769	-183547	-81074	-2.02	1.92	-911235	-593585	SLV 13	3.234				Si
467	20.11	1.1	0	3	-13128	73253	-98036	-2.02	1.92	-44093	246034	SLV 7	3.359				Si
496	20.11	1.1	0	3	-44344	44687	-97905	-2.02	1.92	-149135	150290	SLV 7	3.363				Si
525	20.11	1.1	0	3	-36693	22848	-97775	-2.02	1.92	-123569	76943	SLV 7	3.368				Si
554	20.11	1.1	0	3	-50335	-31337	-97644	-2.02	1.92	-169736	-105672	SLV 7	3.372				Si
583	20.11	1.1	0	3	-49459	-55566	-97514	-2.02	1.92	-167007	-187626	SLV 7	3.377				Si
612	20.11	1.1	0	3	-53129	-84475	-97383	-2.02	1.92	-179639	-285625	SLV 7	3.381				Si
641	20.11	1.1	0	3	331763	196057	-80160	-2.02	1.92	1040329	614788	SLV 13	3.136				Si
670	20.11	1.1	0	3	414250	249213	-80030	-2.02	1.92	1181508	710797	SLV 13	2.852				Si
690	20.11	2.2	0	3,4,6,7	-440539	-226852	-60053	-2.02	1.92	-1448553	-745921	SLV 13	3.288				Si
719	20.11	2.2	0	3,4,6,7	-347427	-180634	-59922	-2.02	1.92	-1299934	-675859	SLV 13	3.742				Si
748	20.11	1.1	0	4,6,7	-255002	-135045	-59792	-2.02	1.92	-1082533	-573293	SLV 13	4.245				Si
777	20.11	1.1	0	4,6,7	74519	41259	-72203	-2.02	1.92	339834	188156	SLV 7	4.56				Si
806	20.11	1.1	0	4,6,7	56177	8063	-72072	-2.02	1.92	256650	36838	SLV 7	4.569				Si
835	20.11	1.1	0	4,6,7	16076	-23248	-71942	-2.02	1.92	73580	-106402	SLV 7	4.577				Si
864	20.11	1.1	0	4,6,7	-26094	-45528	-71811	-2.02	1.92	-119648	-208756	SLV 7	4.585				Si
893	20.11	1.1	0	4,6,7	230433	111620	-59139	-2.02	1.92	1034899	501296	SLV 13	4.491				Si
922	20.11	1.1	0	4,6,7	321937	157058	-59009	-2.02	1.92	1276239	622617	SLV 13	3.964				Si
951	20.37	1.6	0	4,5,6,7	414660	203212	-58878	-2.02	1.92	1449609	710409	SLV 13	3.496				Si
980	27.42	2	0	4,5,6,7	507910	249699	-58748	-2.02	1.92	1680593	826214	SLV 13	3.309				Si
1000	20.11	2.4	0	5,6,7,8	-327265	-193792	-38631	-2.02	1.92	-1152338	-682363	SLV 13	3.521				Si
1029	17.8	2.4	0	5,6,7,8	-256679	-152648	-38522	-2.02	1.92	-1059481	-630077	SLV 13	4.128				Si
1058	16.08	1.1	0	8	-186492	-112134	-38414	-2.02	1.92	-906547	-545088	SLV 13	4.861				Si
1087	16.08	1.1	0	8	28383	2636	-46725	-2.02	1.92	165087	15334	SLV 7	5.816				Si
1116	16.08	1.1	0	8	9220	-1461	-46617	-2.02	1.92	53750	-8520	SLV 7	5.83				Si
1145	16.08	1.1	0	8	-5759	-24711	-46508	-2.02	1.92	-33651	-144401	SLV 7	5.843				Si
1174	16.08	1.1	0	8	-78243	-35573	-45131	-2.02	1.92	-457665	-208073	SLV 3	5.849				Si
1203	16.08	1.1	0	8	175309	106923	-37870	-2.02	1.92	880988	537325	SLV 13	5.025				Si
1232	16.08	1.1	0	8	245486	147702	-37761	-2.02	1.92	1029514	619430	SLV 13	4.194				Si
1261	16.08	1.1	0	8	316068	188963	-37652	-2.02	1.92	1100727	658075	SLV 13	3.483				Si
1290	16.08	1.1	0	8	386834	230459	-37544	-2.02	1.92	1124122	669702	SLV 13	2.906				Si
1310	16.08	2.1	0	8,9,10	-399240	-147411	-17335	-2.02	1.92	-1305816	-482144	SLV 13	3.271				Si
1339	16.08	2.1	0	8,9,10	-296789	-117230	-17226	-2.02	1.92	-1312427	-518403	SLV 13	4.422				Si
1368	16.08	1.1	0	9,10	-138641	-71575	-16314	-2.02	1.92	-1166712	-602333	SLV 9	8.415				Si
1397	16.08	1.1	0	9,10	33855	-43184	-20977	-2.02	1.92	380114	-484852	SLV 3	11.228				Si
1426	16.08	1.1	0	9,10	-17938	-42971	-20868	-2.02	1.92	-210161	-503448	SLV 3	11.716				Si
1455	16.08	1.1	0	9,10	-63601	-64815	-20760	-2.02	1.92	-614105	-625820	SLV 3	9.656				Si
1484	16.08	1.1	0	9,10	217017	37431	-16682	-2.02	1.92	1628080	280807	SLV 13	7.502				Si
1513	16.08	1.1	0	9,10	319403	67429	-16573	-2.02	1.92	1565666	330529	SLV 13	4.902				Si
1542	16.08	1.1	0	9,10	421875	97645	-16465	-2.02	1.92	1494929	346008	SLV 13	3.544				Si
1571	16.08	1.1	0	9,10	524383	127950	-16356	-2.02	1.92	1332471	325125	SLV 13	2.541				Si
1600	22.11	2.1	0	9,10	626909	158302	-16247	-2.02	1.92	1499356	378605	SLV 13	2.392				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	537950	128353	-117439	1256040	299686	SLD 3	2.335	Si
-111	20.11	2.2	0	1,2	498897	118225	-117309	1192412	282570	SLD 3	2.39	Si
-81	20.11	1.1	0	2	459175	107925	-117176	1124529	264311	SLD 3	2.449	Si
-52	20.11	1.1	0	2	419460	97628	-117044	1053227	245136	SLD 3	2.511	Si
-22	20.11	1.1	0	2	379758	87337	-116912	978250	224978	SLD 3	2.576	Si
7	20.11	1.1	0	2	340070	77052	-116779	899312	203764	SLD 3	2.644	Si
36	20.11	1.1	0	2	300405	66779	-116647	816098	181415	SLD 3	2.717	Si
66	20.11	1.1	0	2	260780	56525	-116515	728292	157860	SLD 3	2.793	Si
95	20.11	1.1	0	2	150153	49570	-117446	420967	138975	SLD 7	2.804	Si
125	20.11	1.1	0	2	126073	38454	-117312	353860	107932	SLD 7	2.807	Si
154	20.11	1.1	0	2	102829	27858	-117181	288940	78278	SLD 7	2.81	Si
184	20.11	1.1	0	2	79262	17595	-117049	222972	49497	SLD 7	2.813	Si
213	20.11	1.1	0	2	50233	1755	-116918	141467	4942	SLD 7	2.816	Si
242	20.11	1.1	0	2	27304	-7905	-116784	76983	-22288	SLD 7	2.819	Si
272	20.11	1.1	0	2	2812	-18667	-116652	7937	-52690	SLD 7	2.823	Si
301	20.11	1.1	0	2	-20760	-29676	-116519	-58665	-83861	SLD 7	2.826	Si
331	20.11	1.1	0	2	-44627	-40770	-116387	-126255	-115341	SLD 7	2.829	Si
360	20.11	1.1	0	2	-68191	-51708	-116257	-193135	-146452	SLD 7	2.832	Si
380	20.11	2.2	0	2,3	-252794	-155023	-85857	-821107	-503534	SLD 13	3.248	Si
409	20.11	2.2	0	2,3	-206711	-126908	-85727	-709387	-435521	SLD 13	3.432	Si
438	20.11	1.1	0	3	-35397	13096	-92317	-126253	46711	SLD 7	3.567	Si
467	20.11	1.1	0	3	-39156	8976	-92186	-139858	32060	SLD 7	3.572	Si
496	20.11	1.1	0	3	-39917	5442	-92056	-142778	19465	SLD 7	3.577	Si
525	20.11	1.1	0	3	-23137	5039	-91925	-82875	18048	SLD 7	3.582	Si
554	20.11	1.1	0	3	-15940	-11476	-91795	-57178	-41166	SLD 7	3.587	Si
583	20.11	1.1	0	3	-521	-12975	-91664	-1871	-46608	SLD 7	3.592	Si
612	20.11	1.1	0	3	12912	-16681	-91534	46448	-60005	SLD 7	3.597	Si
641	20.11	1.1	0	3	25409	-20851	-91403	91535	-75113	SLD 7	3.602	Si
670	20.11	1.1	0	3	228318	129073	-84552	780462	441210	SLD 13	3.418	Si
690	20.11	2.2	0	3,4,6,7	-216228	-127489	-63327	-916420	-540327	SLD 13	4.238	Si
719	20.11	2.2	0	3,4,6,7	-169271	-102067	-63196	-768821	-463583	SLD 13	4.542	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
748	20.11	1.1	0	4,6,7	19394	2178	-68024	93878	10542	SLD 7	4.841	Si
777	20.11	1.1	0	4,6,7	21479	867	-67893	104172	4203	SLD 7	4.85	Si
806	20.11	1.1	0	4,6,7	25584	-4447	-67763	124316	-21608	SLD 7	4.859	Si
835	20.11	1.1	0	4,6,7	17860	-11305	-67632	86954	-55041	SLD 7	4.869	Si
864	20.11	1.1	0	4,6,7	10044	-12515	-67502	48994	-61049	SLD 7	4.878	Si
893	20.11	1.1	0	4,6,7	14230	-13355	-67371	69548	-65269	SLD 7	4.887	Si
922	20.11	1.1	0	4,6,7	169229	82195	-62283	799423	388281	SLD 13	4.724	Si
951	20.37	1.6	0	4,5,6,7	215943	107584	-62152	954765	475668	SLD 13	4.421	Si
980	27.42	2	0	4,5,6,7	262958	133122	-62022	1165963	590269	SLD 13	4.434	Si
1000	20.11	2.4	0	5,6,7,8	-170767	-120456	-40782	-838239	-591281	SLD 13	4.909	Si
1029	17.8	2.4	0	5,6,7,8	-134826	-95466	-40674	-711645	-503893	SLD 13	5.278	Si
1058	16.08	1.1	0	8	-99087	-70753	-40565	-566886	-404783	SLD 13	5.721	Si
1087	16.08	1.1	0	8	-3462	-14987	-43804	-21478	-92986	SLD 7	6.204	Si
1116	16.08	1.1	0	8	-2995	-7590	-43695	-18628	-47206	SLD 7	6.22	Si
1145	16.08	1.1	0	8	-1694	-9667	-43586	-10561	-60278	SLD 7	6.235	Si
1174	16.08	1.1	0	8	-5574	-3875	-43478	-34840	-24220	SLD 7	6.251	Si
1203	16.08	1.1	0	8	85297	60384	-40021	513786	363723	SLD 13	6.023	Si
1232	16.08	1.1	0	8	121002	85178	-39912	660182	464726	SLD 13	5.456	Si
1261	16.08	1.1	0	8	156928	110204	-39804	779711	547557	SLD 13	4.969	Si
1290	16.08	1.1	0	8	192954	135343	-39695	871961	611614	SLD 13	4.519	Si
1310	16.08	2.1	0	8,9,10	-225457	-77897	-18522	-1394049	-481655	SLD 13	6.183	Si
1339	16.08	2.1	0	8,9,10	-168434	-65554	-18413	-1294417	-503783	SLD 13	7.685	Si
1368	16.08	1.1	0	9,10	-89713	-46636	-17992	-949176	-493415	SLD 9	10.58	Si
1397	16.08	1.1	0	9,10	-31695	-42708	-18189	-397122	-535115	SLD 5	12.53	Si
1426	16.08	1.1	0	9,10	-8242	-34649	-19681	-107804	-453194	SLD 3	13.08	Si
1455	16.08	1.1	0	9,10	25760	-38439	-19579	317438	-473691	SLD 11	12.323	Si
1484	16.08	1.1	0	9,10	52357	-46974	-19471	582020	-522179	SLD 11	11.116	Si
1513	16.08	1.1	0	9,10	174445	10120	-17761	1651146	95785	SLD 13	9.465	Si
1542	16.08	1.1	0	9,10	231478	22473	-17652	1734704	168414	SLD 13	7.494	Si
1571	16.08	1.1	0	9,10	288529	34869	-17543	1725426	208519	SLD 13	5.98	Si
1600	22.11	2.1	0	9,10	345589	47286	-17435	1854099	253693	SLD 13	5.365	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-107	-113179	SLU 29	15366	51792	52691	2.35	482.72	-779	-113179	SLU 29	15029	48385	55356	2.5	62.08	Si
-111	5X/2Y Ø8/10	-107	-113010	SLU 29	15366	51792	52691	2.35	482.72	-779	-113010	SLU 29	15029	48385	55356	2.5	62.08	Si
-81	5X/2Y Ø8/10	-107	-112838	SLU 29	15366	51792	52691	2.35	482.72	-779	-112838	SLU 29	15029	48385	55356	2.5	62.08	Si
-52	5X/2Y Ø8/10	-107	-112666	SLU 29	15366	51792	52691	2.35	482.72	-779	-112666	SLU 29	15029	48385	55356	2.5	62.08	Si
-22	5X/2Y Ø8/15	-107	-112494	SLU 29	15366	36732	50429	2.5	342.36	-779	-112494	SLU 29	15029	32257	55356	2.5	41.38	Si
7	5X/2Y Ø8/15	-107	-112322	SLU 29	15366	36732	50429	2.5	342.36	-779	-112322	SLU 29	15029	32257	55356	2.5	41.38	Si
36	5X/2Y Ø8/15	-107	-112150	SLU 29	15366	36732	50429	2.5	342.36	-779	-112150	SLU 29	15029	32257	55356	2.5	41.38	Si
66	5X/2Y Ø8/15	-107	-111977	SLU 29	15366	36732	50429	2.5	342.36	-779	-111977	SLU 29	15029	32257	55356	2.5	41.38	Si
95	5X/2Y Ø8/15	-107	-111805	SLU 29	15366	36732	50429	2.5	342.36	-779	-111805	SLU 29	15029	32257	55356	2.5	41.38	Si
125	5X/2Y Ø8/15	-107	-111632	SLU 29	15366	36732	50429	2.5	342.36	-779	-111632	SLU 29	15029	32257	55356	2.5	41.38	Si
154	5X/2Y Ø8/15	-107	-111461	SLU 29	15366	36732	50429	2.5	342.36	-779	-111461	SLU 29	15029	32257	55356	2.5	41.38	Si
184	5X/2Y Ø8/15	-107	-111289	SLU 29	15366	36732	50429	2.5	342.36	-779	-111289	SLU 29	15029	32257	55356	2.5	41.38	Si
213	5X/2Y Ø8/15	-107	-111120	SLU 29	15366	36732	50429	2.5	342.36	-779	-111120	SLU 29	15029	32257	55356	2.5	41.38	Si
242	5X/2Y Ø8/10	-107	-110945	SLU 29	15366	51792	52691	2.35	482.72	-779	-110945	SLU 29	15029	48385	55356	2.5	62.08	Si
272	5X/2Y Ø8/10	-107	-110773	SLU 29	15366	51792	52691	2.35	482.72	-779	-110773	SLU 29	15029	48385	55356	2.5	62.08	Si
301	5X/2Y Ø8/10	-107	-110601	SLU 29	15366	51792	52691	2.35	482.72	-779	-110601	SLU 29	15029	48385	55356	2.5	62.08	Si
331	5X/2Y Ø8/10	-107	-110429	SLU 29	15366	51792	52691	2.35	482.72	-779	-110429	SLU 29	15029	48385	55356	2.5	62.08	Si
360	5X/2Y Ø8/10	-107	-110260	SLU 29	15366	51792	52691	2.35	482.72	-779	-110260	SLU 29	15029	48385	55356	2.5	62.08	Si
380	5X/2Y Ø8/10	795	-132938	SLU 24	15366	51792	52691	2.35	65.17	1736	-136899	SLU 45	15029	48385	55356	2.5	27.87	Si
409	5X/2Y Ø8/10	795	-132808	SLU 24	15366	51792	52691	2.35	65.17	1736	-136729	SLU 45	15029	48385	55356	2.5	27.87	Si
438	5X/2Y Ø8/10	795	-132677	SLU 24	15366	51792	52691	2.35	65.17	1736	-136559	SLU 45	15029	48385	55356	2.5	27.87	Si
467	5X/2Y Ø8/14.4	795	-132547	SLU 24	15366	38145	50429	2.5	48	1736	-136390	SLU 45	15029	33497	55356	2.5	19.3	Si
496	5X/2Y Ø8/14.4	795	-132416	SLU 24	15366	38145	50429	2.5	48	1736	-136220	SLU 45	15029	33497	55356	2.5	19.3	Si
525	5X/2Y Ø8/14.4	795	-132286	SLU 24	15366	38145	50429	2.5	48	1736	-136050	SLU 45	15029	33497	55356	2.5	19.3	Si
554	5X/2Y Ø8/14.4	795	-132155	SLU 24	15366	38145	50429	2.5	48	1736	-135881	SLU 45	15029	33497	55356	2.5	19.3	Si
583	5X/2Y Ø8/14.4	795	-132025	SLU 24	15366	38145	50429	2.5	48	1736	-135711	SLU 45	15029	33497	55356	2.5	19.3	Si
612	5X/2Y Ø8/10	795	-131894	SLU 24	15366	51792	52691	2.35	65.17	1736	-135541	SLU 45	15029	48385	55356	2.5	27.87	Si
641	5X/2Y Ø8/10	795	-131764	SLU 24	15366	51792	52691	2.35	65.17	1736	-135372	SLU 45	15029	48385	55356	2.5	27.87	Si
670	5X/2Y Ø8/10	795	-131633	SLU 24	15366	51792	52691	2.35	65.17	1736	-135202	SLU 45	15029	48385	55356	2.5	27.87	Si
690	5X/2Y Ø8/10	765	-98602	SLU 23	15366	51792	52691	2.35	67.73	1127	-108366	SLU 49	15029	48385	55356	2.5	42.92	Si
719	5X/2Y Ø8/10	765	-98472	SLU 23	15366	51792	52691	2.35	67.73	1127	-108196	SLU 49	15029	48385	55356	2.5	42.92	Si
748	5X/2Y Ø8/10	765	-98341	SLU 23	15366	51792	52691	2.35	67.73	1127	-108027	SLU 49	15029	48385	55356	2.5	42.92	Si
777	5X/2Y Ø8/14.4	765	-98211	SLU 23	15366	38145	50429	2.5	49.88	1127	-107857	SLU 49	15029	33497	55356	2.5	29.71	Si
806	5X/2Y Ø8/14.4	765	-98080	SLU 23	15366	38145	50429	2.5	49.88	1127	-107687	SLU 49	15029	33497	55356	2.5	29.71	Si
835	5X/2Y Ø8/14.4	765	-97950	SLU 23	15366	38145	50429	2.5	49.88	1127	-107518	SLU 49	15029	33497	55356	2.5	29.71	Si
864	5X/2Y Ø8/14.4	765	-97819	SLU 23	15366	38145	50429	2.5	49.88	1127	-107348	SLU 49	15029	33497	55356	2.5	29.71	Si
893	5X/2Y Ø8/14.4	765	-97689	SLU 23	15366	38145	50429	2.5	49.88	1127	-107178	SLU 49	15029	33497	55356	2.5	29.71	Si
922	5X/2Y Ø8/10	765	-97558	SLU 23	15366	51792	52691	2.35	67.73	1127	-107009	SLU 49	15029	48385	55356	2.5	42.92	Si
951	5X/2Y Ø8/10	765	-97428	SLU 23	15366	51792	52691	2.35	67.73	1127	-106839	SLU 49	15029	48385	55356	2.5	42.92	Si
980	5X/2Y Ø8/10	765	-97297	SLU 23	15366	51792	52691	2.35	67.73	1127	-106670	SLU 49	15029	48385	55356	2.5	42.92	Si
1000	4X/2Y Ø8/10	896	-64757	SLU 25	12805	42315	43201	2.4	47.24	865	-71089	SLU 49	12600	39534	45230	2.5	45.7	Si
1029	4X/2Y Ø8/10	896	-64649	SLU 25	12805	42315	43187	2.4	47.24	865	-70948	SLU 49	12600	39534	45230	2.5	45.7	Si
1058	4X/2Y Ø8/10	896	-64540	SLU 25	12805	42315	43172	2.4	47.24	865	-70806	SLU 49	12600	39534	45230	2.5	45.7	Si
1087	4X/2Y Ø8/14.4	896	-64431	SLU 25	12805	30516	41918	2.5	34.06	865	-70665	SLU 49	12600	27370	45230	2.5	31.64	Si
1116	4X/2Y Ø8/14.4	896	-64322	SLU 25	12805	30516	41904	2.5	34.06	865	-70524	SLU 49	12600	27370	45230	2.5	31.64	Si
1145	4X/2Y Ø8/14.4	896	-64214	SLU 25	12805	30516	41890	2.5	34.06	865	-70382	SLU 49	12600	27370	45230	2.5	31.64	Si
1174	4X/2Y Ø8/14.4	896	-64105	SLU 25	12805	30516	41876	2.5	34.06	865	-70241	SLU 49	12600	27370	45230	2.5	31.64	Si
1203	4X/2Y Ø8/14.4	896	-63996	SLU 25	12805	30516	41862	2.5	34.06	865	-70099	SLU 49	12600	27370	45230	2.5	31.64	Si
1232	4X/2Y Ø8/10	896	-63887	SLU 25	12805	42315	43086	2.4	47.24	865	-69958	SLU 49	12600	39534	45230	2.5	45.7	Si
1261	4X/2Y Ø8/10	896	-63779	SLU 25	12805	42315	43071	2.4	47.24	865	-69817	SLU 49	12600	39534	45230	2.5	45.7	Si
1290	4X/2Y Ø8/10	896	-63670	SLU 25	12805	42315	43057	2.4	47.24	865	-69675	SLU 49	12600	39534	45230	2.5	45.7	Si
1310	4X/2Y Ø8/10	165	-30858	SLU 23	10147	39671	40462	2.25	240.32	1741	-34647	SLU 51	10247	39534	40987	2.5	22.71	Si
1339	4X/2Y Ø8/10	165	-30749	SLU 23	10134	39671	40447	2.25	240.32	1741	-34505	SLU 51	10228	39534	40967	2.5	22.71	Si
1368	4X/2Y Ø8/10	165	-30641	SLU 23	10120	39671	40432	2.25	240.32	1741	-34364	SLU 51	10209	39534	40947	2.5	22.71	Si
1397	4X/2Y Ø8/14.4	165	-30532	SLU 23	10107	30516	37552	2.5	184.86	1741	-34222	SLU 51	10190	27370	40928	2.5	15.72	Si
1426	4X/2Y Ø8/14.4	165	-30423	SLU 23	10093	30516	37538	2.5	184.86	1741	-34081	SLU 51	10171	27370	40908	2.5	15.72	Si
1455	4X/2Y Ø8/14.4	165	-30314	SLU 23	10080	30516	37524	2.5	184.86	1741	-33940	SLU 51	10152	27370	40889	2.5	15.72	Si
1484	4X/2Y Ø8/14.4	165	-30206	SLU 23	10066	30516	37510	2.5	184.86	1741	-33798	SLU 51	10134	27370	40869	2.5	15.72	Si
1513	4X/2Y Ø8/14.4	165	-30097	SLU 23	10052	30516	37496	2.5	184.86	1741	-33657	SLU 51	10115	27370	40849	2.5	15.72	Si
1542	4X/2Y Ø8/10	165	-29988	SLU 23	10039	39671	40341	2.25	240.32	1741	-33516	SLU 51	10096	39534	40830	2.5	22.71	Si
1571	4X/2Y Ø8/10	165	-29879	SLU 23	10025	39671	40326	2.25	240.32	1741	-33374	SLU 51	10077	39534	40810	2.5	22.71	Si
1600	4X/2Y Ø8/10	165	-29771	SLU 23	10012	39671	40311	2.25	240.32	1741	-33233	SLU 51	10058	39534	40791	2.5	22.71	Si

Verifica a taglio in famiglia SLV

	Direzione X	Direzione Y	Verifica

Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	1017	-101534	SLV 9	15366	51792	52691	2.35	50.93	3520	-104258	SLV 13	15029	48385	55356	2.5	13.75	Si
-111	5X/2Y Ø8/10	1017	-101404	SLV 9	15366	51792	52691	2.35	50.93	3520	-104128	SLV 13	15029	48385	55356	2.5	13.75	Si
-81	5X/2Y Ø8/10	1017	-101272	SLV 9	15366	51792	52691	2.35	50.93	3520	-103996	SLV 13	15029	48385	55356	2.5	13.75	Si
-52	5X/2Y Ø8/10	1017	-101139	SLV 9	15366	51792	52691	2.35	50.93	3520	-103863	SLV 13	15029	48385	55356	2.5	13.75	Si
-22	5X/2Y Ø8/15	1017	-101007	SLV 9	15366	36732	50429	2.5	36.12	3520	-103731	SLV 13	15029	32257	55356	2.5	9.16	Si
7	5X/2Y Ø8/15	1017	-100874	SLV 9	15366	36732	50429	2.5	36.12	3520	-103599	SLV 13	15029	32257	55356	2.5	9.16	Si
36	5X/2Y Ø8/15	1017	-100742	SLV 9	15366	36732	50429	2.5	36.12	3520	-103466	SLV 13	15029	32257	55356	2.5	9.16	Si
66	5X/2Y Ø8/15	1017	-100610	SLV 9	15366	36732	50429	2.5	36.12	3520	-103334	SLV 13	15029	32257	55356	2.5	9.16	Si
95	5X/2Y Ø8/15	1017	-100477	SLV 9	15366	36732	50429	2.5	36.12	3520	-103202	SLV 13	15029	32257	55356	2.5	9.16	Si
125	5X/2Y Ø8/15	1017	-100344	SLV 9	15366	36732	50429	2.5	36.12	3520	-103068	SLV 13	15029	32257	55356	2.5	9.16	Si
154	5X/2Y Ø8/15	1017	-100213	SLV 9	15366	36732	50429	2.5	36.12	3520	-102937	SLV 13	15029	32257	55356	2.5	9.16	Si
184	5X/2Y Ø8/15	1017	-100080	SLV 9	15366	36732	50429	2.5	36.12	3520	-102804	SLV 13	15029	32257	55356	2.5	9.16	Si
213	5X/2Y Ø8/15	1017	-99950	SLV 9	15366	36732	50429	2.5	36.12	3520	-102674	SLV 13	15029	32257	55356	2.5	9.16	Si
242	5X/2Y Ø8/10	1017	-99816	SLV 9	15366	51792	52691	2.35	50.93	3520	-102540	SLV 13	15029	48385	55356	2.5	13.75	Si
272	5X/2Y Ø8/10	1017	-99683	SLV 9	15366	51792	52691	2.35	50.93	3520	-102407	SLV 13	15029	48385	55356	2.5	13.75	Si
301	5X/2Y Ø8/10	1017	-99551	SLV 9	15366	51792	52691	2.35	50.93	3520	-102275	SLV 13	15029	48385	55356	2.5	13.75	Si
331	5X/2Y Ø8/10	1017	-99419	SLV 9	15366	51792	52691	2.35	50.93	3520	-102143	SLV 13	15029	48385	55356	2.5	13.75	Si
360	5X/2Y Ø8/10	1017	-99289	SLV 9	15366	51792	52691	2.35	50.93	3520	-102013	SLV 13	15029	48385	55356	2.5	13.75	Si
380	5X/2Y Ø8/10	1883	-79153	SLV 9	15366	51792	52691	2.35	27.51	2910	-81335	SLV 13	15029	48385	55356	2.5	16.63	Si
409	5X/2Y Ø8/10	1883	-79022	SLV 9	15366	51792	52691	2.35	27.51	2910	-81204	SLV 13	15029	48385	55356	2.5	16.63	Si
438	5X/2Y Ø8/10	1883	-78892	SLV 9	15366	51792	52691	2.35	27.51	2910	-81074	SLV 13	15029	48385	55356	2.5	16.63	Si
467	5X/2Y Ø8/14.4	1883	-78761	SLV 9	15366	38145	50429	2.5	20.26	2910	-80943	SLV 13	15029	33497	55356	2.5	11.51	Si
496	5X/2Y Ø8/14.4	1883	-78631	SLV 9	15366	38145	50429	2.5	20.26	2910	-80813	SLV 13	15029	33497	55356	2.5	11.51	Si
525	5X/2Y Ø8/14.4	1883	-78500	SLV 9	15366	38145	50429	2.5	20.26	2910	-80682	SLV 13	15029	33497	55356	2.5	11.51	Si
554	5X/2Y Ø8/14.4	1883	-78370	SLV 9	15366	38145	50429	2.5	20.26	2910	-80552	SLV 13	15029	33497	55356	2.5	11.51	Si
583	5X/2Y Ø8/14.4	1883	-78239	SLV 9	15366	38145	50420	2.5	20.26	2910	-80421	SLV 13	15029	33497	55356	2.5	11.51	Si
612	5X/2Y Ø8/10	1883	-78109	SLV 9	15366	51792	52664	2.35	27.51	2910	-80291	SLV 13	15029	48385	55356	2.5	16.63	Si
641	5X/2Y Ø8/10	1883	-77978	SLV 9	15366	51792	52646	2.35	27.51	2910	-80160	SLV 13	15029	48385	55356	2.5	16.63	Si
670	5X/2Y Ø8/10	1883	-77848	SLV 9	15366	51792	52629	2.35	27.51	2910	-80030	SLV 13	15029	48385	55356	2.5	16.63	Si
690	5X/2Y Ø8/10	1694	-58346	SLV 9	14831	50690	50749	2.3	29.92	3245	-60053	SLV 13	14674	48385	52775	2.5	14.91	Si
719	5X/2Y Ø8/10	1694	-58216	SLV 9	14814	50690	50731	2.3	29.92	3245	-59922	SLV 13	14656	48385	52757	2.5	14.91	Si
748	5X/2Y Ø8/10	1694	-58085	SLV 9	14798	50690	50714	2.3	29.92	3245	-59792	SLV 13	14638	48385	52738	2.5	14.91	Si
777	5X/2Y Ø8/14.4	1694	-57955	SLV 9	14782	38145	47808	2.5	22.52	3245	-59661	SLV 13	14621	33497	52720	2.5	10.32	Si
806	5X/2Y Ø8/14.4	1694	-57824	SLV 9	14766	38145	47791	2.5	22.52	3245	-59531	SLV 13	14603	33497	52701	2.5	10.32	Si
835	5X/2Y Ø8/14.4	1694	-57694	SLV 9	14749	38145	47774	2.5	22.52	3245	-59400	SLV 13	14585	33497	52683	2.5	10.32	Si
864	5X/2Y Ø8/14.4	1694	-57563	SLV 9	14733	38145	47757	2.5	22.52	3245	-59270	SLV 13	14567	33497	52665	2.5	10.32	Si
893	5X/2Y Ø8/14.4	1694	-57433	SLV 9	14717	38145	47740	2.5	22.52	3245	-59139	SLV 13	14549	33497	52646	2.5	10.32	Si
922	5X/2Y Ø8/10	1694	-57302	SLV 9	14701	49588	51364	2.25	29.27	3245	-59009	SLV 13	14531	48385	52628	2.5	14.91	Si
951	5X/2Y Ø8/10	1694	-57172	SLV 9	14684	49588	51346	2.25	29.27	3245	-58878	SLV 13	14514	48385	52609	2.5	14.91	Si
980	5X/2Y Ø8/10	1694	-57041	SLV 9	14668	49588	51328	2.25	29.27	3245	-58748	SLV 13	14496	48385	52591	2.5	14.91	Si
1000	4X/2Y Ø8/10	1537	-37363	SLV 9	10957	40552	40753	2.3	26.39	2451	-38631	SLV 13	10781	39534	41539	2.5	16.13	Si
1029	4X/2Y Ø8/10	1537	-37254	SLV 9	10944	40552	40739	2.3	26.39	2451	-38522	SLV 13	10767	39534	41524	2.5	16.13	Si
1058	4X/2Y Ø8/10	1537	-37145	SLV 9	10930	40552	40724	2.3	26.39	2451	-38414	SLV 13	10752	39534	41509	2.5	16.13	Si
1087	4X/2Y Ø8/14.4	1537	-37037	SLV 9	10916	30516	38390	2.5	19.86	2451	-38305	SLV 13	10737	27370	41494	2.5	11.17	Si
1116	4X/2Y Ø8/14.4	1537	-36928	SLV 9	10903	30516	38376	2.5	19.86	2451	-38196	SLV 13	10723	27370	41479	2.5	11.17	Si
1145	4X/2Y Ø8/14.4	1537	-36819	SLV 9	10889	30516	38362	2.5	19.86	2451	-38087	SLV 13	10708	27370	41464	2.5	11.17	Si
1174	4X/2Y Ø8/14.4	1537	-36710	SLV 9	10876	30516	38348	2.5	19.86	2451	-37979	SLV 13	10694	27370	41449	2.5	11.17	Si
1203	4X/2Y Ø8/14.4	1537	-36602	SLV 9	10862	30516	38334	2.5	19.86	2451	-37870	SLV 13	10679	27370	41433	2.5	11.17	Si
1232	4X/2Y Ø8/10	1537	-36493	SLV 9	10849	40552	40635	2.3	26.39	2451	-37761	SLV 13	10665	39534	41418	2.5	16.13	Si
1261	4X/2Y Ø8/10	1537	-36384	SLV 9	10835	40552	40620	2.3	26.39	2451	-37652	SLV 13	10650	39534	41403	2.5	16.13	Si
1290	4X/2Y Ø8/10	1537	-36275	SLV 9	10822	40552	40605	2.3	26.39	2451	-37544	SLV 13	10635	39534	41388	2.5	16.13	Si
1310	4X/2Y Ø8/10	1237	-16532	SLV 9	8364	38789	39054	2.2	31.37	3537	-17335	SLV 13	7927	38743	39152	2.45	10.95	Si
1339	4X/2Y Ø8/10	1237	-16423	SLV 9	8350	38789	39039	2.2	31.37	3537	-17226	SLV 13	7913	38743	39136	2.45	10.95	Si
1368	4X/2Y Ø8/10	1237	-16314	SLV 9	8337	38789	39024	2.2	31.37	3537	-17117	SLV 13	7898	38743	39121	2.45	10.95	Si
1397	4X/2Y Ø8/14.4	1237	-16206	SLV 9	8323	30516	35707	2.5	24.68	3537	-17008	SLV 13	7884	27370	38542	2.5	7.74	Si
1426	4X/2Y Ø8/14.4	1237	-16097	SLV 9	8309	30516	35693	2.5	24.68	3537	-16900	SLV 13	7869	27370	38527	2.5	7.74	Si
1455	4X/2Y Ø8/14.4	1237	-15988	SLV 9	8296	30516	35679	2.5	24.68	3537	-16791	SLV 13	7855	27370	38512	2.5	7.74	Si
1484	4X/2Y Ø8/14.4	1237	-15879	SLV 9	8282	30516	35665	2.5	24.68	3537	-16682	SLV 13	7840	27370	38497	2.5	7.74	Si
1513	4X/2Y Ø8/14.4	1237	-15771	SLV 9	8269	30516	35651	2.5	24.68	3537	-16573	SLV 13	7825	27370	38481	2.5	7.74	Si
1542	4X/2Y Ø8/10	1237	-15662	SLV 9	8255	38789	38932	2.2	31.37	3537	-16465	SLV 13	7811	38743	39029	2.45	10.95	Si
1571	4X/2Y Ø8/10	1237	-15553	SLV 9	8242	38789	38917	2.2	31.37	3537	-16356	SLV 13	7796	38743	39014	2.45	10.95	Si
1600	4X/2Y Ø8/10	1237	-15444	SLV 9	8228	38789	38901	2.2	31.37	3537	-16247	SLV 13	7782	38743	38999	2.45	10.95	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	408	-108956	SLD 9	19266	55098	50429	2.5	123.49	1395	-110020	SLD 13	19310	48385	55356	2.5	34.68	Si
-111	5X/2Y Ø8/10	408	-108826	SLD 9	19266	55098	50429	2.5	123.49	1395	-109890	SLD 13	19310	48385	55356	2.5	34.68	Si
-81	5X/2Y Ø8/10	408	-108694	SLD 9	19266	55098	50429	2.5	123.49	1395	-109757	SLD 13	19310	48385	55356	2.5	34.68	Si
-52	5X/2Y Ø8/10	408	-108561	SLD 9	19266	55098	50429	2.5	123.49	1395	-109625	SLD 13	19310	48385	55356	2.5	34.68	Si
-22	5X/2Y Ø8/15	408	-108429	SLD 9	19266	36732	50429	2.5	89.95	1395	-109493	SLD 13	19310	32257	55356	2.5	23.12	Si
7	5X/2Y Ø8/15	408	-108297	SLD 9	19266	36732	50429	2.5	89.95	1395	-109360	SLD 13	19310	32257	55356	2.5	23.12	Si
36	5X/2Y Ø8/15	408	-108164	SLD 9	19266	36732	50429	2.5	89.95	1395	-109228	SLD 13	19310	32257	55356	2.5	23.12	Si
66	5X/2Y Ø8/15	408	-108032	SLD 9	19266	36732	50429	2.5	89.95	1395	-109096	SLD 13	19310	32257	55356	2.5	23.12	Si
95	5X/2Y Ø8/15	408	-107900	SLD 9	19266	36732	50429	2.5	89.95	1395	-108963	SLD 13	19310	32257	55356	2.5	23.12	Si
125	5X/2Y Ø8/15	408	-107766	SLD 9	19266	36732	50429	2.5	89.95	1395	-108830	SLD 13	19310	32257	55356	2.5	23.12	Si
154	5X/2Y Ø8/15	408	-107635	SLD 9	19266	36732	50429	2.5	89.95	1395	-108699	SLD 13	19310	32257	55356	2.5	23.12	Si
184	5X/2Y Ø8/15	408	-107503	SLD 9	19266	36732	50429	2.5	89.95	1395	-108566	SLD 13	19310	32257	55356	2.5	23.12	Si
213	5X/2Y Ø8/15	408	-107372	SLD 9	19266	36732	50429	2.5	89.95	1395	-108436	SLD 13	19310	32257	55356	2.5	23.12	Si
242	5X/2Y Ø8/10	408	-107238	SLD 9	19266	55098	50429	2.5	123.49	1395	-108302	SLD 13	19310	48385	55356	2.5	34.68	Si
272	5X/2Y Ø8/10	408	-107106	SLD 9	19266	55098	50429	2.5	123.49	1395	-108169	SLD 13	19310	48385	55356	2.5	34.68	Si
301	5X/2Y Ø8/10	408	-106973	SLD 9	19266	55098	50429	2.5	123.49	1395	-108037	SLD 13	19310	48385	55356	2.5	34.68	Si
331	5X/2Y Ø8/10	408	-106841	SLD 9	19266	55098	50429	2.5	123.49	1395	-107905	SLD 13	19310	48385	55356	2.5	34.68	Si
360	5X/2Y Ø8/10	408	-106711	SLD 9	19266	55098	50429	2.5	123.49	1395	-107774	SLD 13	19310	48385	55356	2.5	34.68	Si
380	5X/2Y Ø8/10	988	-85002	SLD 9	18149	55098	50429	2.5	51.03	1627	-85857	SLD 13	18201	48385	55356	2.5	29.75	Si
409	5X/2Y Ø8/10	988	-84872	SLD 9	18133	55098	50429	2.5	51.03	1627	-85727	SLD 13	18183	48385	55356	2.5	29.75	Si
438	5X/2Y Ø8/10	988	-84741	SLD 9	18117	55098	50429	2.5	51.03	1627	-85596	SLD 13	18165	48385	55356	2.5	29.75	Si
467	5X/2Y Ø8/14.4	988	-84611	SLD 9	18100	38145	50429	2.5	38.6	1627	-85466	SLD 13	18147	33497	55356	2.5	20.59	Si
496	5X/2Y Ø8/14.4	988	-84480	SLD 9	18084	38145	50429	2.5	38.6	1627	-85335	SLD 13	18129	33497	55356	2.5	20.59	Si
525	5X/2Y Ø8/14.4	988	-84350	SLD 9	18068	38145	50429	2.5	38.6	1627	-85205	SLD 13	18111	33497	55356	2.5	20.59	Si
554	5X/2Y Ø8/14.4	988	-84219	SLD 9	18052	38145	50429	2.5	38.6	1627	-85074	SLD 13	18094	33497	55356	2.5	20.59	Si
583	5X/2Y Ø8/14.4	988	-84089	SLD 9	18036	38145	50429	2.5	38.6	1627	-84944	SLD 13	18076	33497	55356	2.5	20.59	Si
612	5X/2Y Ø8/10	988	-83958	SLD 9	18019	55098	50429	2.5	51.03	1627	-84813	SLD 13	18058	48385	55356	2.5	29.75	Si
641	5X/2Y Ø8/10	988	-83828	SLD 9	18003	55098	50429	2.5	51.03	1627	-84683	SLD 13	18040	48385	55356	2.5	29.75	Si
670	5X/2Y Ø8/10	988	-83697	SLD 9	17987	55098	50429	2.5	51.03	1627	-84552	SLD 13	18022	48385	55356	2.5	29.75	Si
690	5X/2Y Ø8/10	918	-62656	SLD 9	15367	55098	48413	2.5	52.73	1638	-63327	SLD 13	15121	48385	53238	2.5	29.54	Si
719	5X/2Y Ø8/10	918	-62525	SLD 9	15351	55098	48396	2.5	52.71	1638	-63196	SLD 13	15104	48385	53220	2.5	29.54	Si
748	5X/2Y Ø8/10	918	-62395	SLD 9	15335	55098	48379	2.5	52.69	1638	-63066	SLD 13	15086	48385	53201	2.5	29.54	Si
777	5X/2Y Ø8/14.4	918	-62264	SLD 9	15318	38145	48363	2.5	41.54	1638	-62935	SLD 13	15068	33497	53183	2.5	20.45	Si
806	5X/2Y Ø8/14.4	918	-62134	SLD 9	15302	38145	48346	2.5	41.54	1638	-62805	SLD 13	15050	33497	53164	2.5	20.45	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
835	5X/2Y Ø8/14.4	918	-62003	SLD 9	15286	38145	48329	2.5	41.54	1638	-62674	SLD 13	15032	33497	53146	2.5	20.45	Si
864	5X/2Y Ø8/14.4	918	-61873	SLD 9	15270	38145	48312	2.5	41.54	1638	-62544	SLD 13	15014	33497	53127	2.5	20.45	Si
893	5X/2Y Ø8/14.4	918	-61742	SLD 9	15253	38145	48295	2.5	41.54	1638	-62413	SLD 13	14997	33497	53109	2.5	20.45	Si
922	5X/2Y Ø8/10	918	-61612	SLD 9	15237	55098	48279	2.5	52.58	1638	-62283	SLD 13	14979	48385	53090	2.5	29.54	Si
951	5X/2Y Ø8/10	918	-61481	SLD 9	15221	55098	48262	2.5	52.56	1638	-62152	SLD 13	14961	48385	53072	2.5	29.54	Si
980	5X/2Y Ø8/10	918	-61351	SLD 9	15205	55098	48245	2.5	52.54	1638	-62022	SLD 13	14943	48385	53054	2.5	29.54	Si
1000	4X/2Y Ø8/10	911	-40284	SLD 9	11321	44078	38808	2.5	42.58	1248	-40782	SLD 13	11069	39534	41837	2.5	31.67	Si
1029	4X/2Y Ø8/10	911	-40176	SLD 9	11307	44078	38794	2.5	42.57	1248	-40674	SLD 13	11055	39534	41822	2.5	31.67	Si
1058	4X/2Y Ø8/10	911	-40067	SLD 9	11294	44078	38780	2.5	42.55	1248	-40565	SLD 13	11040	39534	41807	2.5	31.67	Si
1087	4X/2Y Ø8/14.4	911	-39958	SLD 9	11280	30516	38766	2.5	33.48	1248	-40456	SLD 13	11026	27370	41792	2.5	21.93	Si
1116	4X/2Y Ø8/14.4	911	-39849	SLD 9	11267	30516	38752	2.5	33.48	1248	-40347	SLD 13	11011	27370	41777	2.5	21.93	Si
1145	4X/2Y Ø8/14.4	911	-39741	SLD 9	11253	30516	38738	2.5	33.48	1248	-40239	SLD 13	10997	27370	41762	2.5	21.93	Si
1174	4X/2Y Ø8/14.4	911	-39632	SLD 9	11240	30516	38724	2.5	33.48	1248	-40130	SLD 13	10982	27370	41747	2.5	21.93	Si
1203	4X/2Y Ø8/14.4	911	-39523	SLD 9	11226	30516	38710	2.5	33.48	1248	-40021	SLD 13	10967	27370	41732	2.5	21.93	Si
1232	4X/2Y Ø8/10	911	-39414	SLD 9	11212	44078	38696	2.5	42.46	1248	-39912	SLD 13	10953	39534	41717	2.5	31.67	Si
1261	4X/2Y Ø8/10	911	-39306	SLD 9	11199	44078	38682	2.5	42.44	1248	-39804	SLD 13	10938	39534	41702	2.5	31.67	Si
1290	4X/2Y Ø8/10	911	-39197	SLD 9	11185	44078	38668	2.5	42.43	1248	-39695	SLD 13	10924	39534	41686	2.5	31.67	Si
1310	4X/2Y Ø8/10	503	-18209	SLD 9	8572	44078	35965	2.5	71.47	1968	-18522	SLD 13	8087	39534	38752	2.5	19.69	Si
1339	4X/2Y Ø8/10	503	-18100	SLD 9	8559	44078	35951	2.5	71.44	1968	-18413	SLD 13	8072	39534	38736	2.5	19.68	Si
1368	4X/2Y Ø8/10	503	-17992	SLD 9	8545	44078	35937	2.5	71.41	1968	-18305	SLD 13	8057	39534	38721	2.5	19.67	Si
1397	4X/2Y Ø8/14.4	503	-17883	SLD 9	8532	30516	35923	2.5	60.64	1968	-18196	SLD 13	8043	27370	38706	2.5	13.91	Si
1426	4X/2Y Ø8/14.4	503	-17774	SLD 9	8518	30516	35909	2.5	60.64	1968	-18087	SLD 13	8028	27370	38691	2.5	13.91	Si
1455	4X/2Y Ø8/14.4	503	-17665	SLD 9	8505	30516	35895	2.5	60.64	1968	-17978	SLD 13	8014	27370	38676	2.5	13.91	Si
1484	4X/2Y Ø8/14.4	503	-17557	SLD 9	8491	30516	35881	2.5	60.64	1968	-17870	SLD 13	7999	27370	38661	2.5	13.91	Si
1513	4X/2Y Ø8/14.4	503	-17448	SLD 9	8478	30516	35867	2.5	60.64	1968	-17761	SLD 13	7985	27370	38646	2.5	13.91	Si
1542	4X/2Y Ø8/10	503	-17339	SLD 9	8464	44078	35853	2.5	71.25	1968	-17652	SLD 13	7970	39534	38631	2.5	19.63	Si
1571	4X/2Y Ø8/10	503	-17230	SLD 9	8451	44078	35839	2.5	71.22	1968	-17543	SLD 13	7955	39534	38616	2.5	19.62	Si
1600	4X/2Y Ø8/10	503	-17122	SLD 9	8437	44078	35825	2.5	71.19	1968	-17435	SLD 13	7941	39534	38601	2.5	19.61	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	116293	9959	-131285	SLE RA 13	-68.9	116293	9959	-131285	SLE RA 13	-1013.8	Si
-111	110408	9965	-131155	SLE RA 13	-68.5	110408	9965	-131155	SLE RA 13	-1009.4	Si
-81	104422	9971	-131023	SLE RA 13	-68.2	104422	9971	-131023	SLE RA 13	-1005	Si
-52	98435	9976	-130890	SLE RA 13	-67.9	98435	9976	-130890	SLE RA 13	-1000.5	Si
-22	92449	9982	-130758	SLE RA 13	-67.5	92449	9982	-130758	SLE RA 13	-996.1	Si
7	86463	9988	-130626	SLE RA 13	-67.2	86463	9988	-130626	SLE RA 13	-991.7	Si
36	80476	9994	-130493	SLE RA 13	-66.8	80476	9994	-130493	SLE RA 13	-987.2	Si
66	74490	10000	-130361	SLE RA 13	-66.5	74490	10000	-130361	SLE RA 13	-982.8	Si
95	68504	10006	-130229	SLE RA 13	-66.1	68504	10006	-130229	SLE RA 13	-978.4	Si
125	62457	10012	-130095	SLE RA 13	-65.8	62457	10012	-130095	SLE RA 13	-973.9	Si
154	61119	10891	-129836	SLE RA 12	-65.7	61119	10891	-129836	SLE RA 12	-972	Si
184	62825	11742	-129704	SLE RA 12	-65.8	62825	11742	-129704	SLE RA 12	-972.8	Si
213	64506	12580	-129573	SLE RA 12	-65.9	64506	12580	-129573	SLE RA 12	-973.6	Si
242	66238	13443	-129439	SLE RA 12	-66	66238	13443	-129439	SLE RA 12	-974.4	Si
272	67944	14294	-129307	SLE RA 12	-66.1	67944	14294	-129307	SLE RA 12	-975.2	Si
301	69650	15144	-129174	SLE RA 12	-66.1	69650	15144	-129174	SLE RA 12	-976.1	Si
331	71356	15995	-129042	SLE RA 12	-66.2	71356	15995	-129042	SLE RA 12	-976.9	Si
360	73033	16831	-128912	SLE RA 12	-66.3	73033	16831	-128912	SLE RA 12	-977.6	Si
380	-201981	-83243	-103197	SLE RA 13	-66.3	-201981	-83243	-103197	SLE RA 13	-928.1	Si
409	-167849	-68854	-103066	SLE RA 13	-63.3	-167849	-68854	-103066	SLE RA 13	-894.6	Si
438	-133718	-54465	-102936	SLE RA 13	-60.3	-133718	-54465	-102936	SLE RA 13	-861	Si
467	-99587	-40077	-102805	SLE RA 13	-57.3	-99587	-40077	-102805	SLE RA 13	-827.4	Si
496	-65455	-25688	-102675	SLE RA 13	-54.3	-65455	-25688	-102675	SLE RA 13	-793.8	Si
525	-31324	-11299	-102544	SLE RA 13	-51.3	-31324	-11299	-102544	SLE RA 13	-760.2	Si
554	15176	4221	-102319	SLE RA 12	-49.8	15176	4221	-102319	SLE RA 12	-742.9	Si
583	44430	18519	-102188	SLE RA 12	-52.4	44430	18519	-102188	SLE RA 12	-771.7	Si
612	73684	32816	-102058	SLE RA 12	-55.1	73684	32816	-102058	SLE RA 12	-800.5	Si
641	105201	46256	-102022	SLE RA 13	-57.8	105201	46256	-102022	SLE RA 13	-830.5	Si
670	139333	60644	-101892	SLE RA 13	-60.6	139333	60644	-101892	SLE RA 13	-862.3	Si
690	-89136	-74885	-76766	SLE RA 12	-47.6	-89136	-74885	-76766	SLE RA 12	-666.2	Si
719	-66793	-60587	-76636	SLE RA 12	-45.2	-66793	-60587	-76636	SLE RA 12	-639.6	Si
748	-44450	-46290	-76505	SLE RA 12	-42.7	-44450	-46290	-76505	SLE RA 12	-612.9	Si
777	-22107	-31993	-76375	SLE RA 12	-40.3	-22107	-31993	-76375	SLE RA 12	-586.3	Si
806	4577	-17737	-76311	SLE RA 13	-38.1	4577	-17737	-76311	SLE RA 13	-563	Si
835	25844	-3637	-76180	SLE RA 13	-37.8	25844	-3637	-76180	SLE RA 13	-562	Si
864	47111	10464	-76050	SLE RA 13	-39.4	47111	10464	-76050	SLE RA 13	-579.6	Si
893	68378	24564	-75919	SLE RA 13	-41.6	68378	24564	-75919	SLE RA 13	-603.5	Si
922	89606	39494	-75722	SLE RA 12	-43.9	89606	39494	-75722	SLE RA 12	-627.7	Si
951	111949	53792	-75592	SLE RA 12	-46.1	111949	53792	-75592	SLE RA 12	-651.2	Si
980	134292	68089	-75461	SLE RA 12	-45.9	134292	68089	-75461	SLE RA 12	-642.5	Si
1000	-85014	-84447	-50550	SLE RA 13	-42.7	-85014	-84447	-50550	SLE RA 13	-574.8	Si
1029	-67989	-67349	-50442	SLE RA 13	-40.5	-67989	-67349	-50442	SLE RA 13	-553.4	Si
1058	-50963	-50251	-50333	SLE RA 13	-38	-50963	-50251	-50333	SLE RA 13	-528.5	Si
1087	-33937	-33153	-50224	SLE RA 13	-34.8	-33937	-33153	-50224	SLE RA 13	-495.5	Si
1116	-16911	-16056	-50115	SLE RA 13	-31.7	-16911	-16056	-50115	SLE RA 13	-462.6	Si
1145	449	1292	-49960	SLE RA 12	-28.9	449	1292	-49960	SLE RA 12	-432.1	Si
1174	17582	18416	-49852	SLE RA 12	-31.9	17582	18416	-49852	SLE RA 12	-463.3	Si
1203	34714	35540	-49743	SLE RA 12	-34.9	34714	35540	-49743	SLE RA 12	-494.6	Si
1232	51846	52664	-49634	SLE RA 12	-37.9	51846	52664	-49634	SLE RA 12	-525.8	Si
1261	68979	69788	-49525	SLE RA 12	-40.9	68979	69788	-49525	SLE RA 12	-557	Si
1290	86111	86912	-49417	SLE RA 12	-43.9	86111	86912	-49417	SLE RA 12	-588.2	Si
1310	-141191	-38091	-24491	SLE RA 10	-28	-140854	-37064	-24665	SLE RA 12	-366	Si
1339	-105844	-36146	-24556	SLE RA 12	-25.4	-105844	-36146	-24556	SLE RA 12	-335.8	Si
1368	-70835	-35227	-24448	SLE RA 12	-22.8	-70835	-35227	-24448	SLE RA 12	-305.5	Si
1397	-35826	-34309	-24339	SLE RA 12	-20.2	-35826	-34309	-24339	SLE RA 12	-275.3	Si
1426	-706	-33480	-24259	SLE RA 13	-17.7	-706	-33480	-24259	SLE RA 13	-245.8	Si
1455	34027	-32635	-24150	SLE RA 13	-19.8	34027	-32635	-24150	SLE RA 13	-270.4	Si
1484	68760	-31789	-24042	SLE RA 13	-22	68760	-31789	-24042	SLE RA 13	-296.7	Si
1513	103494	-30943	-23933	SLE RA 13	-24.3	104211	-30636	-23904	SLE RA 12	-322.9	Si
1542	139221	-29717	-23795	SLE RA 12	-26.5	139221	-29717	-23795	SLE RA 12	-349.3	Si
1571	174230	-28799	-23686	SLE RA 12	-28.7	174230	-28799	-23686	SLE RA 12	-375.7	Si
1600	209239	-27881	-23578	SLE RA 12	-29.5	209239	-27881	-23578	SLE RA 12	-383.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²

Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	45526	5692	-113729	SLE QP 2	-56.8	Si
-111	46153	6095	-113599	SLE QP 2	-56.8	Si
-81	46790	6505	-113467	SLE QP 2	-56.8	Si
-52	47428	6914	-113335	SLE QP 2	-56.8	Si
-22	48066	7324	-113202	SLE QP 2	-56.8	Si
7	48703	7733	-113070	SLE QP 2	-56.8	Si
36	49341	8143	-112937	SLE QP 2	-56.8	Si
66	49978	8552	-112805	SLE QP 2	-56.8	Si
95	50616	8962	-112673	SLE QP 2	-56.8	Si
125	51260	9375	-112539	SLE QP 2	-56.8	Si
154	51891	9781	-112408	SLE QP 2	-56.8	Si
184	52529	10190	-112276	SLE QP 2	-56.8	Si
213	53157	10594	-112145	SLE QP 2	-56.8	Si
242	53804	11009	-112011	SLE QP 2	-56.9	Si
272	54442	11419	-111879	SLE QP 2	-56.9	Si
301	55079	11829	-111746	SLE QP 2	-56.9	Si
331	55717	12238	-111614	SLE QP 2	-56.9	Si
360	56344	12641	-111484	SLE QP 2	-56.9	Si
380	-127069	-68720	-88790	SLE QP 2	-54.6	Si
409	-103711	-56668	-88660	SLE QP 2	-52.3	Si
438	-80353	-44616	-88529	SLE QP 2	-50	Si
467	-56995	-32564	-88399	SLE QP 2	-47.7	Si
496	-33637	-20513	-88268	SLE QP 2	-45.5	Si
525	-10279	-8461	-88138	SLE QP 2	-43.2	Si
554	13078	3591	-88007	SLE QP 2	-42.8	Si
583	36436	15643	-87877	SLE QP 2	-45	Si
612	59794	27695	-87746	SLE QP 2	-47.1	Si
641	83152	39747	-87616	SLE QP 2	-49.3	Si
670	106510	51799	-87485	SLE QP 2	-51.4	Si
690	-69554	-63279	-65470	SLE QP 2	-40.2	Si
719	-51972	-51122	-65340	SLE QP 2	-38.2	Si
748	-34391	-38966	-65209	SLE QP 2	-36.2	Si
777	-16809	-26810	-65079	SLE QP 2	-34.2	Si
806	772	-14654	-64948	SLE QP 2	-32.3	Si
835	18354	-2498	-64818	SLE QP 2	-31.9	Si
864	35935	9658	-64687	SLE QP 2	-33.4	Si
893	53517	21815	-64557	SLE QP 2	-35.2	Si
922	71099	33971	-64426	SLE QP 2	-37.1	Si
951	88680	46127	-64296	SLE QP 2	-38.9	Si
980	106262	58283	-64165	SLE QP 2	-38.7	Si
1000	-67477	-71591	-42207	SLE QP 2	-35.6	Si
1029	-53890	-57009	-42099	SLE QP 2	-33.7	Si
1058	-40303	-42428	-41990	SLE QP 2	-31.6	Si
1087	-26716	-27846	-41881	SLE QP 2	-29	Si
1116	-13129	-13264	-41772	SLE QP 2	-26.4	Si
1145	458	1317	-41664	SLE QP 2	-24.1	Si
1174	14045	15899	-41555	SLE QP 2	-26.6	Si
1203	27632	30481	-41446	SLE QP 2	-29.1	Si
1232	41219	45063	-41337	SLE QP 2	-31.5	Si
1261	54806	59644	-41229	SLE QP 2	-34	Si
1290	68393	74226	-41120	SLE QP 2	-36.5	Si
1310	-112176	-30611	-19319	SLE QP 2	-22.2	Si
1339	-84605	-30149	-19210	SLE QP 2	-20.2	Si
1368	-57034	-29686	-19102	SLE QP 2	-18.2	Si
1397	-29462	-29224	-18993	SLE QP 2	-16.2	Si
1426	-1891	-28761	-18884	SLE QP 2	-14.2	Si
1455	25680	-28299	-18775	SLE QP 2	-15.7	Si
1484	53252	-27836	-18667	SLE QP 2	-17.4	Si
1513	80823	-27373	-18558	SLE QP 2	-19.2	Si
1542	108394	-26911	-18449	SLE QP 2	-21	Si
1571	135966	-26448	-18340	SLE QP 2	-22.8	Si
1600	163537	-25986	-18232	SLE QP 2	-23.4	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

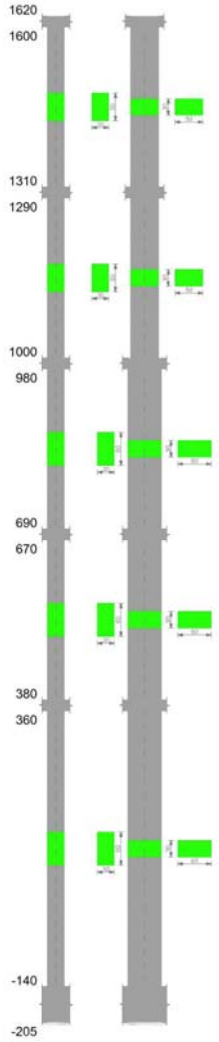
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 680 in quanto nodo interno a piastra.

Pilastro 32

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60	No	No	No	No		C30/37	B450C	
380	670	R 30x60	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.10	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.10	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.10	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.10	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	-269686	-269686	-99423	-818158	-818158	SLU 52	3.034	Si
-111	20.11	2.2	0	1,2	-269227	-269227	-99254	-818158	-818158	SLU 52	3.039	Si
-81	20.11	1.1	0	2	-268761	-268761	-99082	-818158	-818158	SLU 52	3.044	Si
-52	20.11	1.1	0	2	-268294	-268294	-98910	-818158	-818158	SLU 52	3.049	Si
-22	20.11	1.1	0	2	-267827	-267827	-98738	-818158	-818158	SLU 52	3.055	Si
7	20.11	1.1	0	2	-267361	-267361	-98566	-818158	-818158	SLU 52	3.06	Si
36	20.11	1.1	0	2	-266894	-266894	-98394	-818158	-818158	SLU 52	3.065	Si
66	20.11	1.1	0	2	-266427	-266427	-98222	-818158	-818158	SLU 52	3.071	Si
95	20.11	1.1	0	2	-265960	-265960	-98050	-818158	-818158	SLU 52	3.076	Si
125	20.11	1.1	0	2	265489	-265489	-97876	818158	-818158	SLU 52	3.082	Si
154	20.11	1.1	0	2	265027	-265027	-97706	818158	-818158	SLU 52	3.087	Si
184	20.11	1.1	0	2	264560	-264560	-97534	818158	-818158	SLU 52	3.093	Si
213	20.11	1.1	0	2	264101	-264101	-97364	818158	-818158	SLU 52	3.098	Si
242	20.11	1.1	0	2	263627	-263627	-97190	818158	-818158	SLU 52	3.103	Si
272	20.11	1.1	0	2	263160	-263160	-97018	818158	-818158	SLU 52	3.109	Si
301	20.11	1.1	0	2	262693	-262693	-96846	818158	-818158	SLU 52	3.114	Si
331	20.11	1.1	0	2	262227	262227	-96673	818158	818158	SLU 52	3.12	Si
360	20.11	1.1	0	2	261768	261768	-96504	818158	818158	SLU 52	3.126	Si
380	20.11	2.2	0	2,3	-152598	152598	-76299	-647491	647491	SLU 52	4.243	Si
409	20.11	2.2	0	2,3	-152259	152259	-76130	-647491	647491	SLU 52	4.253	Si
438	20.11	1.1	0	3	151920	151920	-75960	647491	647491	SLU 52	4.262	Si
467	20.11	1.1	0	3	151580	151580	-75790	647491	647491	SLU 52	4.272	Si
496	20.11	1.1	0	3	151241	151241	-75621	647491	647491	SLU 52	4.281	Si
525	20.11	1.1	0	3	150902	150902	-75451	647491	647491	SLU 52	4.291	Si
554	20.11	1.1	0	3	150563	-150563	-75281	647491	-647491	SLU 52	4.3	Si
583	20.11	1.1	0	3	150223	-150223	-75112	647491	-647491	SLU 52	4.31	Si
612	20.11	1.1	0	3	149884	-149884	-74942	647491	-647491	SLU 52	4.32	Si
641	20.11	1.1	0	3	149545	-149545	-74772	647491	-647491	SLU 52	4.33	Si
670	20.11	1.1	0	3	149205	-149205	-74603	647491	-647491	SLU 52	4.34	Si
690	20.11	2.2	0	3,4,6,7	-111519	155831	-55759	-607566	848982	SLU 51	5.448	Si
719	20.11	2.2	0	3,4,6,7	-111185	120876	-55593	-638848	694530	SLU 51	5.746	Si
748	20.11	1.1	0	4,6,7	-111127	111127	-55563	-647491	647491	SLU 52	5.827	Si
777	20.11	1.1	0	4,6,7	110787	110787	-55394	647491	647491	SLU 52	5.844	Si
806	20.11	1.1	0	4,6,7	110448	110448	-55224	647491	647491	SLU 52	5.862	Si
835	20.11	1.1	0	4,6,7	110109	-110109	-55054	647491	-647491	SLU 52	5.88	Si
864	20.11	1.1	0	4,6,7	131509	-109769	-54885	769407	-642219	SLU 52	5.851	Si
893	20.11	1.1	0	4,6,7	170935	-109150	-54575	986528	-629941	SLU 51	5.771	Si
922	20.11	1.1	0	4,6,7	207430	-128099	-54405	1145832	-707613	SLU 51	5.524	Si
951	20.37	1.6	0	4,5,6,7	243925	-163667	-54236	1262912	-847380	SLU 51	5.177	Si
980	27.42	2	0	4,5,6,7	280420	-199235	-54066	1454721	-1033562	SLU 51	5.188	Si
1000	20.11	2.4	0	5,6,7,8	-138286	200415	-36461	-758030	1098594	SLU 52	5.482	Si
1029	17.8	2.4	0	5,6,7,8	-126764	161356	-36320	-745554	949010	SLU 52	5.881	Si
1058	16.08	1.1	0	8	-115241	122298	-36178	-732362	777210	SLU 52	6.355	Si
1087	16.08	1.1	0	8	-103719	83240	-36037	-725421	582191	SLU 52	6.994	Si
1116	16.08	1.1	0	8	-92196	71791	-35896	-669507	521331	SLU 52	7.262	Si
1145	16.08	1.1	0	8	-80673	71508	-35754	-594133	526635	SLU 52	7.365	Si
1174	16.08	1.1	0	8	-71226	-71226	-35613	-530708	-530708	SLU 52	7.451	Si
1203	16.08	1.1	0	8	-70943	-72993	-35471	-528367	-543637	SLU 52	7.448	Si
1232	16.08	1.1	0	8	-70488	-113225	-35244	-482631	-775250	SLU 51	6.847	Si
1261	16.08	1.1	0	8	-70206	-152661	-35103	-439794	-956329	SLU 51	6.264	Si
1290	16.08	1.1	0	8	-69923	-192097	-34961	-400284	-1099690	SLU 51	5.725	Si
1310	16.08	2.1	0	8,9,10	-65257	245634	-18751	-379058	1426814	SLU 51	5.809	Si
1339	16.08	2.1	0	8,9,10	-37220	190880	-18610	-274231	1406391	SLU 51	7.368	Si
1368	16.08	1.1	0	9,10	36937	136127	-18468	342727	1263081	SLU 51	9.279	Si
1397	16.08	1.1	0	9,10	66039	80512	-18354	752957	917975	SLU 52	11.402	Si
1426	16.08	1.1	0	9,10	107370	36426	-18213	1324148	449225	SLU 52	12.333	Si
1455	16.08	1.1	0	9,10	148701	-36143	-18072	1641116	-398889	SLU 52	11.036	Si
1484	16.08	1.1	0	9,10	190032	-82002	-17930	1605760	-692914	SLU 52	8.45	Si
1513	16.08	1.1	0	9,10	229879	-137641	-17762	1441479	-863092	SLU 51	6.271	Si
1542	16.08	1.1	0	9,10	272041	-192395	-17620	1294350	-915397	SLU 51	4.758	Si
1571	16.08	1.1	0	9,10	314204	-247148	-17479	1174581	-923908	SLU 51	3.738	Si
1600	22.11	2.1	0	9,10	356366	-301902	-17337	1261307	-1068538	SLU 51	3.539	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	-614638	-392146	-85607	-2.02	1.92	-1335031	-851766	SLV 15	2.172				Si
-111	20.11	2.2	0	1,2	-568823	-354288	-85477	-2.02	1.92	-1312029	-817188	SLV 15	2.307				Si
-81	20.11	1.1	0	2	-522253	-315776	-85345	-2.02	1.92	-1280109	-774007	SLV 15	2.451				Si
-52	20.11	1.1	0	2	-475732	-277266	-85213	-2.02	1.92	-1238724	-721954	SLV 15	2.604				Si
-22	20.11	1.1	0	2	-429280	-238762	-85080	-2.02	1.92	-1186976	-660185	SLV 15	2.765				Si
7	20.11	1.1	0	2	-382913	-200264	-84948	-2.02	1.92	-1123775	-587734	SLV 15	2.935				Si
36	20.11	1.1	0	2	-336664	-161778	-84816	-2.02	1.92	-1049240	-504194	SLV 15	3.117				Si
66	20.11	1.1	0	2	-290602	-123323	-84683	-2.02	1.92	-964566	-409335	SLV 15	3.319				Si
95	20.11	1.1	0	2	-244800	-84962	-84551	-2.02	1.92	-868423	-301402	SLV 15	3.547				Si
125	20.11	1.1	0	2	-198954	-45653	-84417	-2.02	1.92	-758029	-173943	SLV 15	3.81				Si
154	20.11	1.1	0	2	-154830	-6305	-84286	-2.02	1.92	-604856	-24630	SLV 15	3.907				Si
184	20.11	1.1	0	2	-111772	31423	-84154	-2.02	1.92	-437331	122948	SLV 15	3.913				Si
213	20.11	1.1	0	2	-72457	69170	-84023	-2.02	1.92	-283943	271062	SLV 15	3.919				Si
242	20.11	1.1	0	2	-41376	108197	-83889	-2.02	1.92	-161639	422681	SLV 15	3.907				Si
272	20.11	1.1	0	2	-19128	146679	-83757	-2.02	1.92	-71929	551563	SLV 15	3.76				Si
301	20.11	1.1	0	2	116467	185175	-83624	-2.02	1.92	399787	635633	SLV 15	3.433				Si
331	20.11	1.1	0	2	153233	223680	-83492	-2.02	1.92	495893	723871	SLV 15	3.236				Si
360	20.11	1.1	0	2	194586	261533	-83362	-2.02	1.92	594669	799266	SLV 15	3.056				Si
380	20.11	2.2	0	2,3	129322	514196	-29282	-2.02	1.92	346833	1379036	SLV 1	2.682				Si
409	20.11	2.2	0	2,3	112887	417839	-29151	-2.02	1.92	370279	1370554	SLV 1	3.28				Si
438	20.11	1.1	0	3	-105816	-205679	-64793	-2.02	1.92	-425489	-827045	SLV 15	4.021				Si
467	20.11	1.1	0	3	-93351	-142495	-64662	-2.02	1.92	-413953	-631872	SLV 15	4.434				Si
496	20.11	1.1	0	3	-85550	-79479	-64532	-2.02	1.92	-420734	-390878	SLV 15	4.918				Si
525	20.11	1.1	0	3	-53308	-15611	-64401	-2.02	1.92	-272549	-79815	SLV 15	5.113				Si
554	20.11	1.1	0	3	72291	48818	-64271	-2.02	1.92	370358	250101	SLV 15	5.123				Si
583	20.11	1.1	0	3	97478	111434	-64140	-2.02	1.92	454407	519463	SLV 15	4.662				Si
612	20.11	1.1	0	3	112134	174557	-64010	-2.02	1.92	472850	736076	SLV 15	4.217				Si
641	20.11	1.1	0	3	-125366	-353668	-28107	-2.02	1.92	-471253	-1329445	SLV 1	3.759				Si
670	20.11	1.1	0	3	-142825	-450015	-27977	-2.02	1.92	-426593	-1344119	SLV 1	2.987				Si
690	20.11	2.2	0	3,4,6,7	75072	438656	-22945	-2.02	1.92	243447	1422504	SLV 1	3.243				Si
719	20.11	2.2	0	3,4,6,7	80301	349739	-22817	-2.02	1.92	319613	1392023	SLV 1	3.98				Si
748	20.11	1.1	0	4,6,7	-41464	259313	-22686	-2.02	1.92	-226901	1419033	SLV 1	5.472				Si
777	20.11	1.1	0	4,6,7	56149	-109103	-45044	-2.02	1.92	352791	-685512	SLV 15	6.283				Si
806	20.11	1.1	0	4,6,7	91803	-62382	-44914	-2.02	1.92	617096	-419328	SLV 15	6.722				Si
835	20.11	1.1	0	4,6,7	141434	-11389	-44783	-2.02	1.92	994599	-80091	SLV 15	7.032				Si
864	20.11	1.1	0	4,6,7	171670	28613	-44653	-2.02	1.92	1132275	188719	SLV 15	6.596				Si
893	20.11	1.1	0	4,6,7	206524	82381	-44522	-2.02	1.92	1196630	477326	SLV 15	5.794				Si
922	20.11	1.1	0	4,6,7	244432	129574	-44392	-2.02	1.92	1259359	667590	SLV 15	5.152				Si
951	20.37	1.6	0	4,5,6,7	92864	-346070	-24089	-2.02	1.92	369666	-1377610	SLV 3	3.981				Si
980	27.42	2	0	4,5,6,7	109552	-429304	-23958	-2.02	1.92	398279	-1560750	SLV 3	3.636				Si
1000	20.11	2.4	0	5,6,7,8	-105632	406117	-14482	-2.02	1.92	-289292	1112227	SLV 1	2.739				Si
1029	17.8	2.4	0	5,6,7,8	-100708	323848	-14374	-2.02	1.92	-338312	1087921	SLV 1	3.359				Si
1058	16.08	1.1	0	8	-111017	241600	-14265	-2.02	1.92	-461213	1003710	SLV 1	4.154				Si
1087	16.08	1.1	0	8	-113516	159408	-14156	-2.02	1.92	-657370	923131	SLV 1	5.791				Si
1116	16.08	1.1	0	8	-1046	-18008	-28663	-2.02	1.92	-9913	-170744	SLV 15	9.481				Si
1145	16.08	1.1	0	8	7169	13432	-28554	-2.02	1.92	68236	127840	SLV 15	9.518				Si
1174	16.08	1.1	0	8	-103266	-88352	-13830	-2.02	1.92	-915336	-783134	SLV 1	8.864				Si
1203	16.08	1.1	0	8	-104520	-170378	-13721	-2.02	1.92	-586125	-955443	SLV 1	5.608				Si
1232	16.08	1.1	0	8	-107221	-252586	-13612	-2.02	1.92	-431125	-1015627	SLV 1	4.021				Si
1261	16.08	1.1	0	8	-110947	-334840	-13504	-2.02	1.92	-315175	-951207	SLV 1	2.841				Si
1290	16.08	1.1	0	8	-115398	-417111	-13395	-2.02	1.92	-244978	-885486	SLV 1	2.123				Si
1310	16.08	2.1	0	8,9,10	-44149	467458	-6951	-2.02	1.92	-73286	775967	SLV 1	1.66				Si
1339	16.08	2.1	0	8,9,10	-20683	361910	-6842	-2.02	1.92	-47139	824817	SLV 1	2.279				Si
1368	16.08	1.1	0	9,10	-12030	256366	-6733	-2.02	1.92	-42548	906706	SLV 1	3.537				Si
1397	16.08	1.1	0	9,10	7043	150835	-6625	-2.02	1.92	53217	1139736	SLV 1	7.556				Si
1426	16.08	1.1	0	9,10	101507	-11331	-13538	-2.02	1.92	1416686	-158142	SLV 15	13.957				Si
1455	16.08	1.1	0	9,10	137892	30963	-13429	-2.02	1.92	1499141	336625	SLV 15	10.872				Si
1484	16.08	1.1	0	9,10	38693	-165923	-6298	-2.02	1.92	226522	-971363	SLV 1	5.854				Si
1513	16.08	1.1	0	9,10	46843	-271458	-6190	-2.02	1.92	142953	-828426	SLV 1	3.052				Si
1542	16.08	1.1	0	9,10	54654	-377004	-6081	-2.02	1.92	112134	-773494	SLV 1	2.052				Si
1571	16.08	1.1	0	9,10	62262	-482552	-5972	-2.02	1.92	96145	-745157	SLV 1	1.544				Si
1600	22.11	2.1	0	9,10	69737	-588103	-5863	-2.02	1.92	114526	-965807	SLV 1	1.642				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	-279902	-175907	-71244	-994283	-624868	SLD 15	3.552	Si
-111	20.11	2.2	0	1,2	-257680	-159870	-71114	-945457	-586583	SLD 15	3.669	Si
-81	20.11	1.1	0	2	-235093	-143557	-70982	-892172	-544795	SLD 15	3.795	Si
-52	20.11	1.1	0	2	-212531	-127245	-70849	-835179	-500032	SLD 15	3.93	Si
-22	20.11	1.1	0	2	-190004	-110935	-70717	-774112	-451971	SLD 15	4.074	Si
7	20.11	1.1	0	2	-167520	-94628	-70585	-708542	-400241	SLD 15	4.23	Si
36	20.11	1.1	0	2	-145095	-78327	-70452	-638002	-344415	SLD 15	4.397	Si
66	20.11	1.1	0	2	-122766	-62041	-70320	-562005	-284013	SLD 15	4.578	Si
95	20.11	1.1	0	2	-100569	-45798	-70188	-471797	-214851	SLD 15	4.691	Si
125	20.11	1.1	0	2	-78360	-29212	-70054	-368310	-137302	SLD 15	4.7	Si
154	20.11	1.1	0	2	-57004	-12429	-69923	-268435	-58531	SLD 15	4.709	Si
184	20.11	1.1	0	2	-36191	3541	-69791	-170746	16706	SLD 15	4.718	Si
213	20.11	1.1	0	2	-17202	19520	-69660	-81312	92267	SLD 15	4.727	Si
242	20.11	1.1	0	2	-1876	36049	-69526	-8883	170724	SLD 15	4.736	Si
272	20.11	1.1	0	2	10267	52348	-69394	48718	248388	SLD 15	4.745	Si
301	20.11	1.1	0	2	73862	68654	-69261	351144	326382	SLD 15	4.754	Si
331	20.11	1.1	0	2	92427	84963	-69129	424211	389955	SLD 15	4.59	Si
360	20.11	1.1	0	2	112666	100998	-68999	498962	447285	SLD 15	4.429	Si
380	20.11	2.2	0	2,3	49889	256005	-40114	246292	1263850	SLD 1	4.937	Si
409	20.11	2.2	0	2,3	44311	208336	-39983	245710	1155255	SLD 1	5.545	Si
438	20.11	1.1	0	3	-46786	-44854	-53961	-285489	-273696	SLD 15	6.102	Si
467	20.11	1.1	0	3	-41848	-30326	-53831	-255978	-185499	SLD 15	6.117	Si
496	20.11	1.1	0	3	-38655	-15893	-53700	-237020	-97452	SLD 15	6.132	Si
525	20.11	1.1	0	3	-24635	-1050	-53570	-151420	-6456	SLD 15	6.147	Si
554	20.11	1.1	0	3	30770	14228	-53439	189590	87668	SLD 15	6.162	Si
583	20.11	1.1	0	3	42211	28452	-53309	260725	175738	SLD 15	6.177	Si
612	20.11	1.1	0	3	48077	42946	-53178	297683	265917	SLD 15	6.192	Si
641	20.11	1.1	0	3	-50899	-173389	-38939	-308336	-1050345	SLD 1	6.058	Si
670	20.11	1.1	0	3	-56924	-221053	-38809	-307603	-1194510	SLD 1	5.404	Si
690	20.11	2.2	0	3,4,6,7	2965	229134	-29699	18053	1395326	SLD 1	6.09	Si
719	20.11	2.2	0	3,4,6,7	18113	181479	-29570	126578	1268213	SLD 1	6.988	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
748	20.11	1.1	0	4,6,7	-44056	123583	-30387	-351869	987050	SLD 3	7.987	Si
777	20.11	1.1	0	4,6,7	31633	-24694	-38291	272018	-212346	SLD 15	8.599	Si
806	20.11	1.1	0	4,6,7	59907	-19602	-38160	516909	-169136	SLD 15	8.629	Si
835	20.11	1.1	0	4,6,7	94603	-12265	-38030	809380	-104936	SLD 15	8.556	Si
864	20.11	1.1	0	4,6,7	124555	-30464	-36191	1018121	-249013	SLD 11	8.174	Si
893	20.11	1.1	0	4,6,7	152887	-30932	-36061	1203462	-243481	SLD 11	7.872	Si
922	20.11	1.1	0	4,6,7	106299	-149917	-29604	739065	-1042326	SLD 3	6.953	Si
951	20.37	1.6	0	4,5,6,7	126307	-195522	-29473	748087	-1158029	SLD 3	5.923	Si
980	27.42	2	0	4,5,6,7	146075	-241123	-29343	799792	-1320200	SLD 3	5.475	Si
1000	20.11	2.4	0	5,6,7,8	-87748	234687	-18847	-423449	1132547	SLD 1	4.826	Si
1029	17.8	2.4	0	5,6,7,8	-82315	187721	-18739	-464828	1060057	SLD 1	5.647	Si
1058	16.08	1.1	0	8	-84569	140766	-18630	-575431	957809	SLD 1	6.804	Si
1087	16.08	1.1	0	8	-82872	93837	-18521	-710497	804505	SLD 1	8.573	Si
1116	16.08	1.1	0	8	-76586	44567	-18412	-836770	486927	SLD 1	10.926	Si
1145	16.08	1.1	0	8	-25381	7011	-24190	-285157	78767	SLD 15	11.235	Si
1174	16.08	1.1	0	8	-67372	-47532	-18195	-750399	-529413	SLD 1	11.138	Si
1203	16.08	1.1	0	8	-64163	-94375	-18086	-580588	-853967	SLD 1	9.049	Si
1232	16.08	1.1	0	8	-61606	-141310	-17977	-443058	-1016274	SLD 1	7.192	Si
1261	16.08	1.1	0	8	-59519	-188268	-17869	-342621	-1083758	SLD 1	5.756	Si
1290	16.08	1.1	0	8	-57768	-235235	-17760	-274075	-1116057	SLD 1	4.744	Si
1310	16.08	2.1	0	8,9,10	-36936	272486	-9029	-129361	954330	SLD 1	3.502	Si
1339	16.08	2.1	0	8,9,10	-13518	211444	-8920	-70677	1105487	SLD 1	5.228	Si
1368	16.08	1.1	0	9,10	2858	150403	-8811	23617	1242733	SLD 1	8.263	Si
1397	16.08	1.1	0	9,10	25136	89368	-8703	308673	1097433	SLD 1	12.28	Si
1426	16.08	1.1	0	9,10	81170	10950	-11227	1374001	185360	SLD 11	16.927	Si
1455	16.08	1.1	0	9,10	112773	-5860	-11118	1676875	-87128	SLD 11	14.869	Si
1484	16.08	1.1	0	9,10	99897	-87599	-8884	900022	-789223	SLD 3	9.01	Si
1513	16.08	1.1	0	9,10	122087	-144678	-8775	715045	-847356	SLD 3	5.857	Si
1542	16.08	1.1	0	9,10	114212	-215891	-8159	443190	-837749	SLD 1	3.88	Si
1571	16.08	1.1	0	9,10	131064	-276934	-8050	369425	-780586	SLD 1	2.819	Si
1600	22.11	2.1	0	9,10	147852	-337978	-7941	421371	-963218	SLD 1	2.85	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	246	-63327	SLU 29	15366	50690	51429	2.3	205.71	454	-75256	SLU 33	15029	48385	54925	2.5	106.65	Si
-111	5X/2Y Ø8/10	246	-63157	SLU 29	15366	50690	51406	2.3	205.71	454	-75086	SLU 33	15029	48385	54901	2.5	106.65	Si
-81	5X/2Y Ø8/10	246	-62985	SLU 29	15366	50690	51383	2.3	205.71	454	-74914	SLU 33	15029	48385	54876	2.5	106.65	Si
-52	5X/2Y Ø8/10	246	-62813	SLU 29	15366	50690	51359	2.3	205.71	454	-74742	SLU 33	15029	48385	54852	2.5	106.65	Si
-22	5X/2Y Ø8/15	251	-74570	SLU 33	15366	36732	49948	2.5	146.23	454	-74570	SLU 33	15029	32257	54828	2.5	71.1	Si
7	5X/2Y Ø8/15	251	-74398	SLU 33	15366	36732	49925	2.5	146.23	454	-74398	SLU 33	15029	32257	54803	2.5	71.1	Si
36	5X/2Y Ø8/15	251	-74226	SLU 33	15366	36732	49903	2.5	146.23	454	-74226	SLU 33	15029	32257	54779	2.5	71.1	Si
66	5X/2Y Ø8/15	251	-74054	SLU 33	15366	36732	49881	2.5	146.23	454	-74054	SLU 33	15029	32257	54755	2.5	71.1	Si
95	5X/2Y Ø8/15	251	-73882	SLU 33	15366	36732	49859	2.5	146.23	454	-73882	SLU 33	15029	32257	54730	2.5	71.1	Si
125	5X/2Y Ø8/15	251	-73708	SLU 33	15366	36732	49837	2.5	146.23	454	-73708	SLU 33	15029	32257	54706	2.5	71.1	Si
154	5X/2Y Ø8/15	251	-73538	SLU 33	15366	36732	49815	2.5	146.23	454	-73538	SLU 33	15029	32257	54682	2.5	71.1	Si
184	5X/2Y Ø8/15	251	-73366	SLU 33	15366	36732	49792	2.5	146.23	454	-73366	SLU 33	15029	32257	54657	2.5	71.1	Si
213	5X/2Y Ø8/15	251	-73196	SLU 33	15366	36732	49771	2.5	146.23	454	-73196	SLU 33	15029	32257	54633	2.5	71.1	Si
242	5X/2Y Ø8/10	246	-61093	SLU 29	15172	50690	51124	2.3	205.71	454	-73022	SLU 33	15029	48385	54609	2.5	106.65	Si
272	5X/2Y Ø8/10	246	-60921	SLU 29	15151	50690	51101	2.3	205.71	454	-72850	SLU 33	15029	48385	54584	2.5	106.65	Si
301	5X/2Y Ø8/10	246	-60749	SLU 29	15130	50690	51077	2.3	205.71	454	-72678	SLU 33	15029	48385	54560	2.5	106.65	Si
331	5X/2Y Ø8/10	246	-60577	SLU 29	15108	50690	51054	2.3	205.71	454	-72506	SLU 33	15029	48385	54536	2.5	106.65	Si
360	5X/2Y Ø8/10	246	-60407	SLU 29	15087	50690	51031	2.3	205.71	454	-72336	SLU 33	15029	48385	54512	2.5	106.65	Si
380	5X/2Y Ø8/10	-941	-75938	SLU 50	15366	51792	52371	2.35	55.03	252	-61602	SLU 38	14886	48385	52994	2.5	192.24	Si
409	5X/2Y Ø8/10	-941	-75768	SLU 50	15366	51792	52349	2.35	55.03	252	-61432	SLU 38	14863	48385	52970	2.5	192.24	Si
438	5X/2Y Ø8/10	-941	-75599	SLU 50	15366	51792	52326	2.35	55.03	252	-61262	SLU 38	14839	48385	52946	2.5	192.24	Si
467	5X/2Y Ø8/14.4	-941	-75429	SLU 50	15366	38145	50058	2.5	40.53	252	-61093	SLU 38	14816	33497	52922	2.5	133.09	Si
496	5X/2Y Ø8/14.4	-941	-75259	SLU 50	15366	38145	50036	2.5	40.53	252	-60923	SLU 38	14793	33497	52898	2.5	133.09	Si
525	5X/2Y Ø8/14.4	-941	-75090	SLU 50	15366	38145	50014	2.5	40.53	252	-60753	SLU 38	14770	33497	52874	2.5	133.09	Si
554	5X/2Y Ø8/14.4	-941	-74920	SLU 50	15366	38145	49993	2.5	40.53	252	-60584	SLU 38	14747	33497	52850	2.5	133.09	Si
583	5X/2Y Ø8/14.4	-941	-74750	SLU 50	15366	38145	49971	2.5	40.53	252	-60414	SLU 38	14723	33497	52826	2.5	133.09	Si
612	5X/2Y Ø8/10	-941	-74581	SLU 50	15366	51792	52189	2.35	55.03	252	-60244	SLU 38	14700	48385	52802	2.5	192.24	Si
641	5X/2Y Ø8/10	-941	-74411	SLU 50	15366	51792	52166	2.35	55.03	252	-60075	SLU 38	14677	48385	52778	2.5	192.24	Si
670	5X/2Y Ø8/10	-941	-74241	SLU 50	15366	51792	52143	2.35	55.03	252	-59905	SLU 38	14654	48385	52754	2.5	192.24	Si
690	5X/2Y Ø8/10	-1228	-55412	SLU 49	14465	49588	51102	2.25	40.39	1258	-55759	SLU 51	14087	48385	52168	2.5	38.45	Si
719	5X/2Y Ø8/10	-1228	-55246	SLU 49	14445	49588	51079	2.25	40.39	1258	-55593	SLU 51	14065	48385	52145	2.5	38.45	Si
748	5X/2Y Ø8/10	-1228	-55076	SLU 49	14423	49588	51056	2.25	40.39	1258	-55423	SLU 51	14041	48385	52121	2.5	38.45	Si
777	5X/2Y Ø8/14.4	-1228	-54906	SLU 49	14402	38145	47415	2.5	31.07	1258	-55253	SLU 51	14018	33497	52097	2.5	26.62	Si
806	5X/2Y Ø8/14.4	-1228	-54737	SLU 49	14381	38145	47393	2.5	31.07	1258	-55084	SLU 51	13995	33497	52073	2.5	26.62	Si
835	5X/2Y Ø8/14.4	-1228	-54567	SLU 49	14360	38145	47371	2.5	31.07	1258	-54914	SLU 51	13972	33497	52049	2.5	26.62	Si
864	5X/2Y Ø8/14.4	-1228	-54397	SLU 49	14339	38145	47349	2.5	31.07	1258	-54744	SLU 51	13949	33497	52025	2.5	26.62	Si
893	5X/2Y Ø8/14.4	-1228	-54228	SLU 49	14318	38145	47328	2.5	31.07	1258	-54575	SLU 51	13925	33497	52001	2.5	26.62	Si
922	5X/2Y Ø8/10	-1228	-54058	SLU 49	14297	49588	50915	2.25	40.39	1258	-54405	SLU 51	13902	48385	51977	2.5	38.45	Si
951	5X/2Y Ø8/10	-1228	-53888	SLU 49	14276	49588	50891	2.25	40.39	1258	-54236	SLU 51	13879	48385	51953	2.5	38.45	Si
980	5X/2Y Ø8/10	-1228	-53719	SLU 49	14254	49588	50868	2.25	40.39	1258	-54066	SLU 51	13856	48385	51929	2.5	38.45	Si
1000	4X/2Y Ø8/10	-1360	-36375	SLU 51	10834	40552	40618	2.3	29.82	445	-28053	SLU 32	9364	39534	40073	2.5	88.85	Si
1029	4X/2Y Ø8/10	-1360	-36234	SLU 51	10816	40552	40599	2.3	29.82	445	-27912	SLU 32	9345	39534	40053	2.5	88.85	Si
1058	4X/2Y Ø8/10	-1359	-35754	SLU 49	10757	39671	41140	2.25	29.18	445	-27771	SLU 32	9326	39534	40034	2.5	88.85	Si
1087	4X/2Y Ø8/14.4	-1360	-35951	SLU 51	10781	30516	38250	2.5	22.44	445	-27629	SLU 32	9307	27370	40014	2.5	61.51	Si
1116	4X/2Y Ø8/14.4	-1360	-35810	SLU 51	10764	30516	38232	2.5	22.44	445	-27488	SLU 32	9288	27370	39994	2.5	61.51	Si
1145	4X/2Y Ø8/14.4	-1360	-35668	SLU 51	10746	30516	38213	2.5	22.44	445	-27346	SLU 32	9269	27370	39975	2.5	61.51	Si
1174	4X/2Y Ø8/14.4	-1360	-35527	SLU 51	10728	30516	38195	2.5	22.44	445	-27205	SLU 32	9250	27370	39955	2.5	61.51	Si
1203	4X/2Y Ø8/14.4	-1360	-35386	SLU 51	10711	30516	38177	2.5	22.44	445	-27064	SLU 32	9231	27370	39936	2.5	61.51	Si
1232	4X/2Y Ø8/10	-1360	-35244	SLU 51	10693	39671	41070	2.25	29.17	445	-26922	SLU 32	9212	39534	39916	2.5	88.85	Si
1261	4X/2Y Ø8/10	-1360	-35103	SLU 51	10676	39671	41050	2.25	29.17	445	-26781	SLU 32	9193	39534	39896	2.5	88.85	Si
1290	4X/2Y Ø8/10	-1360	-34961	SLU 51	10658	39671	41031	2.25	29.17	445	-26640	SLU 32	9174	39534	39877	2.5	88.85	Si
1310	4X/2Y Ø8/10	-1888	-18751	SLU 51	8640	38789	39366	2.2	20.54	1454	-18751	SLU 51	8117	38743	39351	2.45	26.65	Si
1339	4X/2Y Ø8/10	-1888	-18610	SLU 51	8622	38789	39347	2.2	20.54	1454	-18610	SLU 51	8098	38743	39331	2.45	26.65	Si
1368	4X/2Y Ø8/10	-1888	-18468	SLU 51	8605	38789	39327	2.2	20.54	1454	-18468	SLU 51	8079	38743	39311	2.45	26.65	Si
1397	4X/2Y Ø8/14.4	-1888	-18327	SLU 51	8587	30516	35980	2.5	16.16	1454	-18327	SLU 51	8060	27370	38725	2.5	18.83	Si
1426	4X/2Y Ø8/14.4	-1888	-18186	SLU 51	8569	30516	35962	2.5	16.16	1454	-18186	SLU 51	8041	27370	38705	2.5	18.83	Si
1455	4X/2Y Ø8/14.4	-1888	-18044	SLU 51	8552	30516	35943	2.5	16.16	1454	-18044	SLU 51	8023	27370	38685	2.5	18.83	Si
1484	4X/2Y Ø8/14.4	-1888	-17903	SLU 51	8534	30516	35925	2.5	16.16	1454	-17903	SLU 51	8004	27370	38666	2.5	18.83	Si
1513	4X/2Y Ø8/14.4	-1888	-17762	SLU 51	8517	30516	35907	2.5	16.16	1454	-17762	SLU 51	7985	27370	38646	2.5	18.83	Si
1542	4X/2Y Ø8/10	-1888	-17620	SLU 51	8499	38789	39207	2.2	20.54	1454	-17620	SLU 51	7966	38743	39192	2.45	26.65	Si
1571	4X/2Y Ø8/10	-1888	-17479	SLU 51	8481	38789	39187	2.2	20.54	1454	-17479	SLU 51	7947	38743	39172	2.45	26.65	Si
1600	4X/2Y Ø8/10	-1888	-17337	SLU 51	8464	38789	39168	2.2	20.54	1454	-17337	SLU 51	7928	38743	39152	2.45	26.65	Si

Verifica a taglio in famiglia SLV

	Direzione X	Direzione Y	Verifica

Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	1310	-85607	SLV 15	15366	51792	52691	2.35	39.54	2047	-75329	SLV 11	15029	48385	54935	2.5	23.63	Si
-111	5X/2Y Ø8/10	1310	-85477	SLV 15	15366	51792	52691	2.35	39.54	2047	-75199	SLV 11	15029	48385	54917	2.5	23.63	Si
-81	5X/2Y Ø8/10	1310	-85345	SLV 15	15366	51792	52691	2.35	39.54	2047	-75067	SLV 11	15029	48385	54898	2.5	23.63	Si
-52	5X/2Y Ø8/10	1310	-85213	SLV 15	15366	51792	52691	2.35	39.54	2047	-74934	SLV 11	15029	48385	54879	2.5	23.63	Si
-22	5X/2Y Ø8/15	1310	-85080	SLV 15	15366	36732	50429	2.5	28.05	2047	-74802	SLV 11	15029	32257	54860	2.5	15.76	Si
7	5X/2Y Ø8/15	1310	-84948	SLV 15	15366	36732	50429	2.5	28.05	2047	-74670	SLV 11	15029	32257	54842	2.5	15.76	Si
36	5X/2Y Ø8/15	1310	-84816	SLV 15	15366	36732	50429	2.5	28.05	2047	-74537	SLV 11	15029	32257	54823	2.5	15.76	Si
66	5X/2Y Ø8/15	1310	-84683	SLV 15	15366	36732	50429	2.5	28.05	2047	-74405	SLV 11	15029	32257	54804	2.5	15.76	Si
95	5X/2Y Ø8/15	1310	-84551	SLV 15	15366	36732	50429	2.5	28.05	2047	-74273	SLV 11	15029	32257	54786	2.5	15.76	Si
125	5X/2Y Ø8/15	1310	-84417	SLV 15	15366	36732	50429	2.5	28.05	2047	-74139	SLV 11	15029	32257	54767	2.5	15.76	Si
154	5X/2Y Ø8/15	1310	-84286	SLV 15	15366	36732	50429	2.5	28.05	2047	-74008	SLV 11	15029	32257	54748	2.5	15.76	Si
184	5X/2Y Ø8/15	1310	-84154	SLV 15	15366	36732	50429	2.5	28.05	2047	-73876	SLV 11	15029	32257	54729	2.5	15.76	Si
213	5X/2Y Ø8/15	1310	-84023	SLV 15	15366	36732	50429	2.5	28.05	2047	-73745	SLV 11	15029	32257	54711	2.5	15.76	Si
242	5X/2Y Ø8/10	1310	-83889	SLV 15	15366	51792	52691	2.35	39.54	2047	-73611	SLV 11	15029	48385	54692	2.5	23.63	Si
272	5X/2Y Ø8/10	1310	-83757	SLV 15	15366	51792	52691	2.35	39.54	2047	-73479	SLV 11	15029	48385	54673	2.5	23.63	Si
301	5X/2Y Ø8/10	1310	-83624	SLV 15	15366	51792	52691	2.35	39.54	2047	-73346	SLV 11	15029	48385	54655	2.5	23.63	Si
331	5X/2Y Ø8/10	1310	-83492	SLV 15	15366	51792	52691	2.35	39.54	2047	-73214	SLV 11	15029	48385	54636	2.5	23.63	Si
360	5X/2Y Ø8/10	1310	-83362	SLV 15	15366	51792	52691	2.35	39.54	2047	-73084	SLV 11	15029	48385	54617	2.5	23.63	Si
380	5X/2Y Ø8/10	-3324	-29282	SLV 1	11212	47384	48920	2.15	14.26	916	-57396	SLV 11	14311	48385	52400	2.5	52.8	Si
409	5X/2Y Ø8/10	-3324	-29151	SLV 1	11196	47384	48902	2.15	14.26	916	-57265	SLV 11	14293	48385	52381	2.5	52.8	Si
438	5X/2Y Ø8/10	-3324	-29021	SLV 1	11180	47384	48883	2.15	14.26	916	-57135	SLV 11	14275	48385	52363	2.5	52.8	Si
467	5X/2Y Ø8/14.4	-3324	-28890	SLV 1	11163	38145	44064	2.5	11.48	916	-57004	SLV 11	14257	33497	52344	2.5	36.56	Si
496	5X/2Y Ø8/14.4	-3324	-28760	SLV 1	11147	38145	44047	2.5	11.48	916	-56874	SLV 11	14240	33497	52326	2.5	36.56	Si
525	5X/2Y Ø8/14.4	-3324	-28629	SLV 1	11131	38145	44031	2.5	11.48	916	-56743	SLV 11	14222	33497	52307	2.5	36.56	Si
554	5X/2Y Ø8/14.4	-3324	-28499	SLV 1	11115	38145	44014	2.5	11.48	916	-56613	SLV 11	14204	33497	52289	2.5	36.56	Si
583	5X/2Y Ø8/14.4	-3324	-28368	SLV 1	11098	38145	43997	2.5	11.48	916	-56482	SLV 11	14186	33497	52270	2.5	36.56	Si
612	5X/2Y Ø8/10	-3324	-28238	SLV 1	11082	47384	48771	2.15	14.26	916	-56352	SLV 11	14168	48385	52252	2.5	52.8	Si
641	5X/2Y Ø8/10	-3324	-28107	SLV 1	11066	47384	48753	2.15	14.26	916	-56221	SLV 11	14150	48385	52233	2.5	52.8	Si
670	5X/2Y Ø8/10	-3324	-27977	SLV 1	11050	47384	48734	2.15	14.26	916	-56091	SLV 11	14133	48385	52215	2.5	52.8	Si
690	5X/2Y Ø8/10	-3123	-22945	SLV 1	10423	47384	48015	2.15	15.17	1806	-41075	SLV 11	12080	48385	50092	2.5	26.8	Si
719	5X/2Y Ø8/10	-3123	-22817	SLV 1	10407	47384	47997	2.15	15.17	1806	-40947	SLV 11	12063	48385	50074	2.5	26.8	Si
748	5X/2Y Ø8/10	-3123	-22686	SLV 1	10391	47384	47978	2.15	15.17	1806	-40816	SLV 11	12045	48385	50056	2.5	26.8	Si
777	5X/2Y Ø8/14.4	-3123	-22556	SLV 1	10375	38145	43248	2.5	12.22	1806	-40686	SLV 11	12027	33497	50037	2.5	18.55	Si
806	5X/2Y Ø8/14.4	-3123	-22425	SLV 1	10358	38145	43232	2.5	12.22	1806	-40555	SLV 11	12009	33497	50019	2.5	18.55	Si
835	5X/2Y Ø8/14.4	-3123	-22295	SLV 1	10342	38145	43215	2.5	12.22	1806	-40425	SLV 11	11992	33497	50000	2.5	18.55	Si
864	5X/2Y Ø8/14.4	-3123	-22164	SLV 1	10326	38145	43198	2.5	12.22	1806	-40294	SLV 11	11974	33497	49982	2.5	18.55	Si
893	5X/2Y Ø8/14.4	-3123	-22034	SLV 1	10310	38145	43181	2.5	12.22	1806	-40164	SLV 11	11956	33497	49963	2.5	18.55	Si
922	5X/2Y Ø8/10	-3123	-21903	SLV 1	10293	47384	47867	2.15	15.17	1806	-40033	SLV 11	11938	48385	49945	2.5	26.8	Si
951	5X/2Y Ø8/10	-3123	-21773	SLV 1	10277	47384	47848	2.15	15.17	1806	-39903	SLV 11	11920	48385	49926	2.5	26.8	Si
980	5X/2Y Ø8/10	-3123	-21642	SLV 1	10261	47384	47829	2.15	15.17	1806	-39772	SLV 11	11902	48385	49908	2.5	26.8	Si
1000	4X/2Y Ø8/10	-2838	-14482	SLV 1	8108	37907	39350	2.15	13.36	751	-26479	SLV 11	9153	39534	39855	2.5	52.67	Si
1029	4X/2Y Ø8/10	-2838	-14374	SLV 1	8095	37907	39335	2.15	13.36	751	-26370	SLV 11	9138	39534	39839	2.5	52.67	Si
1058	4X/2Y Ø8/10	-2838	-14265	SLV 1	8081	37907	39319	2.15	13.36	751	-26261	SLV 11	9124	39534	39824	2.5	52.67	Si
1087	4X/2Y Ø8/14.4	-2838	-14156	SLV 1	8068	30516	35443	2.5	10.75	751	-26153	SLV 11	9109	27370	39809	2.5	36.46	Si
1116	4X/2Y Ø8/14.4	-2838	-14047	SLV 1	8054	30516	35429	2.5	10.75	751	-26044	SLV 11	9094	27370	39794	2.5	36.46	Si
1145	4X/2Y Ø8/14.4	-2838	-13939	SLV 1	8041	30516	35415	2.5	10.75	751	-25935	SLV 11	9080	27370	39779	2.5	36.46	Si
1174	4X/2Y Ø8/14.4	-2838	-13830	SLV 1	8027	30516	35401	2.5	10.75	751	-25826	SLV 11	9065	27370	39764	2.5	36.46	Si
1203	4X/2Y Ø8/14.4	-2838	-13721	SLV 1	8014	30516	35387	2.5	10.75	751	-25718	SLV 11	9051	27370	39749	2.5	36.46	Si
1232	4X/2Y Ø8/10	-2838	-13612	SLV 1	8000	37907	39226	2.15	13.36	751	-25609	SLV 11	9036	39534	39734	2.5	52.67	Si
1261	4X/2Y Ø8/10	-2838	-13504	SLV 1	7987	37907	39211	2.15	13.36	751	-25500	SLV 11	9022	39534	39719	2.5	52.67	Si
1290	4X/2Y Ø8/10	-2838	-13395	SLV 1	7973	37907	39195	2.15	13.36	751	-25391	SLV 11	9007	39534	39704	2.5	52.67	Si
1310	4X/2Y Ø8/10	-3640	-6951	SLV 1	7171	37907	38275	2.15	10.41	1638	-13383	SLV 11	7398	37953	39165	2.4	23.17	Si
1339	4X/2Y Ø8/10	-3640	-6842	SLV 1	7157	37907	38259	2.15	10.41	1638	-13274	SLV 11	7383	37953	39149	2.4	23.17	Si
1368	4X/2Y Ø8/10	-3640	-6733	SLV 1	7144	37907	38244	2.15	10.41	1638	-13165	SLV 11	7369	37953	39134	2.4	23.17	Si
1397	4X/2Y Ø8/14.4	-3640	-6625	SLV 1	7130	30516	34473	2.5	8.38	1638	-13057	SLV 11	7354	27370	37994	2.5	16.71	Si
1426	4X/2Y Ø8/14.4	-3640	-6516	SLV 1	7117	30516	34459	2.5	8.38	1638	-12948	SLV 11	7340	27370	37979	2.5	16.71	Si
1455	4X/2Y Ø8/14.4	-3640	-6407	SLV 1	7103	30516	34445	2.5	8.38	1638	-12839	SLV 11	7325	27370	37964	2.5	16.71	Si
1484	4X/2Y Ø8/14.4	-3640	-6298	SLV 1	7090	30516	34431	2.5	8.38	1638	-12730	SLV 11	7310	27370	37949	2.5	16.71	Si
1513	4X/2Y Ø8/14.4	-3640	-6190	SLV 1	7076	30516	34417	2.5	8.38	1638	-12622	SLV 11	7296	27370	37934	2.5	16.71	Si
1542	4X/2Y Ø8/10	-3640	-6081	SLV 1	7062	37907	38150	2.15	10.41	1638	-12513	SLV 11	7281	37953	39040	2.4	23.17	Si
1571	4X/2Y Ø8/10	-3640	-5972	SLV 1	7049	37907	38135	2.15	10.41	1638	-12404	SLV 11	7267	37953	39025	2.4	23.17	Si
1600	4X/2Y Ø8/10	-3640	-5863	SLV 1	7035	37907	38119	2.15	10.41	1638	-12295	SLV 11	7252	37953	39009	2.4	23.17	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	555	-71244	SLD 15	16436	55098	49519	2.5	89.26	953	-67241	SLD 11	15656	48385	53791	2.5	50.76	Si
-111	5X/2Y Ø8/10	555	-71114	SLD 15	16420	55098	49502	2.5	89.23	953	-67111	SLD 11	15639	48385	53773	2.5	50.76	Si
-81	5X/2Y Ø8/10	555	-70982	SLD 15	16404	55098	49485	2.5	89.2	953	-66978	SLD 11	15621	48385	53754	2.5	50.76	Si
-52	5X/2Y Ø8/10	555	-70849	SLD 15	16387	55098	49468	2.5	89.17	953	-66846	SLD 11	15602	48385	53736	2.5	50.76	Si
-22	5X/2Y Ø8/15	555	-70717	SLD 15	16371	36732	49451	2.5	66.21	953	-66714	SLD 11	15584	32257	53717	2.5	33.84	Si
7	5X/2Y Ø8/15	555	-70585	SLD 15	16354	36732	49434	2.5	66.21	953	-66581	SLD 11	15566	32257	53698	2.5	33.84	Si
36	5X/2Y Ø8/15	555	-70452	SLD 15	16338	36732	49417	2.5	66.21	953	-66449	SLD 11	15548	32257	53679	2.5	33.84	Si
66	5X/2Y Ø8/15	555	-70320	SLD 15	16321	36732	49400	2.5	66.21	953	-66317	SLD 11	15530	32257	53661	2.5	33.84	Si
95	5X/2Y Ø8/15	555	-70188	SLD 15	16305	36732	49383	2.5	66.21	953	-66184	SLD 11	15512	32257	53642	2.5	33.84	Si
125	5X/2Y Ø8/15	555	-70054	SLD 15	16288	36732	49366	2.5	66.21	953	-66051	SLD 11	15494	32257	53623	2.5	33.84	Si
154	5X/2Y Ø8/15	555	-69923	SLD 15	16272	36732	49349	2.5	66.21	953	-65920	SLD 11	15476	32257	53605	2.5	33.84	Si
184	5X/2Y Ø8/15	555	-69791	SLD 15	16255	36732	49332	2.5	66.21	953	-65787	SLD 11	15458	32257	53586	2.5	33.84	Si
213	5X/2Y Ø8/15	555	-69660	SLD 15	16239	36732	49315	2.5	66.21	953	-65657	SLD 11	15440	32257	53567	2.5	33.84	Si
242	5X/2Y Ø8/10	555	-69526	SLD 15	16222	55098	49298	2.5	88.86	953	-65523	SLD 11	15422	48385	53549	2.5	50.76	Si
272	5X/2Y Ø8/10	555	-69394	SLD 15	16206	55098	49281	2.5	88.83	953	-65390	SLD 11	15403	48385	53530	2.5	50.76	Si
301	5X/2Y Ø8/10	555	-69261	SLD 15	16189	55098	49264	2.5	88.8	953	-65258	SLD 11	15385	48385	53511	2.5	50.76	Si
331	5X/2Y Ø8/10	555	-69129	SLD 15	16173	55098	49247	2.5	88.77	953	-65125	SLD 11	15367	48385	53492	2.5	50.76	Si
360	5X/2Y Ø8/10	555	-68999	SLD 15	16157	55098	49230	2.5	88.74	953	-64995	SLD 11	15350	48385	53474	2.5	50.76	Si
380	5X/2Y Ø8/10	-1644	-40114	SLD 1	12561	55098	45510	2.5	27.67	377	-51238	SLD 11	13469	48385	51529	2.5	128.49	Si
409	5X/2Y Ø8/10	-1644	-39983	SLD 1	12544	55098	45493	2.5	27.66	377	-51108	SLD 11	13452	48385	51511	2.5	128.49	Si
438	5X/2Y Ø8/10	-1644	-39853	SLD 1	12528	55098	45476	2.5	27.65	377	-50977	SLD 11	13434	48385	51492	2.5	128.49	Si
467	5X/2Y Ø8/14.4	-1644	-39722	SLD 1	12512	38145	45459	2.5	23.2	377	-50847	SLD 11	13416	33497	51474	2.5	88.95	Si
496	5X/2Y Ø8/14.4	-1644	-39592	SLD 1	12496	38145	45443	2.5	23.2	377	-50716	SLD 11	13398	33497	51455	2.5	88.95	Si
525	5X/2Y Ø8/14.4	-1644	-39461	SLD 1	12479	38145	45426	2.5	23.2	377	-50586	SLD 11	13380	33497	51437	2.5	88.95	Si
554	5X/2Y Ø8/14.4	-1644	-39331	SLD 1	12463	38145	45409	2.5	23.2	377	-50455	SLD 11	13362	33497	51418	2.5	88.95	Si
583	5X/2Y Ø8/14.4	-1644	-39200	SLD 1	12447	38145	45392	2.5	23.2	377	-50325	SLD 11	13345	33497	51400	2.5	88.95	Si
612	5X/2Y Ø8/10	-1644	-39070	SLD 1	12431	55098	45375	2.5	27.59	377	-50194	SLD 11	13327	48385	51381	2.5	128.49	Si
641	5X/2Y Ø8/10	-1644	-38939	SLD 1	12414	55098	45359	2.5	27.58	377	-50064	SLD 11	13309	48385	51363	2.5	128.49	Si
670	5X/2Y Ø8/10	-1644	-38809	SLD 1	12398	55098	45342	2.5	27.57	377	-49933	SLD 11	13291	48385	51345	2.5	128.49	Si
690	5X/2Y Ø8/10	-1673	-29699	SLD 1	11264	55098	44168	2.5	26.39	1171	-36972	SLD 11	11520	48385	49512	2.5	41.32	Si
719	5X/2Y Ø8/10	-1673	-29570	SLD 1	11248	55098	44152	2.5	26.38	1171	-36844	SLD 11	11502	48385	49494	2.5	41.32	Si
748	5X/2Y Ø8/10	-1673	-29440	SLD 1	11232	55098	44135	2.5	26.37	1171	-36713	SLD 11	11484	48385	49476	2.5	41.32	Si
777	5X/2Y Ø8/14.4	-1673	-29309	SLD 1	11215	38145	44118	2.5	22.79	1171	-36583	SLD 11	11467	33497	49457	2.5	28.6	Si
806	5X/2Y Ø8/14.4	-1673	-29179	SLD 1	11199	38145	44101	2.5	22.79	1171	-36452	SLD 11	11449	33497	49439	2.5	28.6	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
835	5X/2Y Ø8/14.4	-1673	-29048	SLD 1	11183	38145	44085	2.5	22.79	1171	-36322	SLD 11	11431	33497	49420	2.5	28.6	Si
864	5X/2Y Ø8/14.4	-1673	-28918	SLD 1	11167	38145	44068	2.5	22.79	1171	-36191	SLD 11	11413	33497	49402	2.5	28.6	Si
893	5X/2Y Ø8/14.4	-1673	-28787	SLD 1	11150	38145	44051	2.5	22.79	1171	-36061	SLD 11	11395	33497	49383	2.5	28.6	Si
922	5X/2Y Ø8/10	-1673	-28657	SLD 1	11134	55098	44034	2.5	26.31	1171	-35930	SLD 11	11377	48385	49365	2.5	41.32	Si
951	5X/2Y Ø8/10	-1673	-28526	SLD 1	11118	55098	44017	2.5	26.3	1171	-35800	SLD 11	11360	48385	49346	2.5	41.32	Si
980	5X/2Y Ø8/10	-1673	-28396	SLD 1	11102	55098	44001	2.5	26.29	1171	-35669	SLD 11	11342	48385	49328	2.5	41.32	Si
1000	4X/2Y Ø8/10	-1620	-18847	SLD 1	8652	44078	36047	2.5	22.25	422	-23702	SLD 11	8781	39534	39470	2.5	93.59	Si
1029	4X/2Y Ø8/10	-1620	-18739	SLD 1	8638	44078	36033	2.5	22.24	422	-23593	SLD 11	8766	39534	39455	2.5	93.56	Si
1058	4X/2Y Ø8/10	-1620	-18630	SLD 1	8625	44078	36019	2.5	22.23	422	-23485	SLD 11	8752	39534	39439	2.5	93.52	Si
1087	4X/2Y Ø8/14.4	-1620	-18521	SLD 1	8611	30516	36005	2.5	18.84	422	-23376	SLD 11	8737	27370	39424	2.5	64.9	Si
1116	4X/2Y Ø8/14.4	-1620	-18412	SLD 1	8598	30516	35991	2.5	18.84	422	-23267	SLD 11	8722	27370	39409	2.5	64.9	Si
1145	4X/2Y Ø8/14.4	-1620	-18304	SLD 1	8584	30516	35977	2.5	18.84	422	-23158	SLD 11	8708	27370	39394	2.5	64.9	Si
1174	4X/2Y Ø8/14.4	-1620	-18195	SLD 1	8571	30516	35963	2.5	18.84	422	-23050	SLD 11	8693	27370	39379	2.5	64.9	Si
1203	4X/2Y Ø8/14.4	-1620	-18086	SLD 1	8557	30516	35949	2.5	18.84	422	-22941	SLD 11	8679	27370	39364	2.5	64.9	Si
1232	4X/2Y Ø8/10	-1620	-17977	SLD 1	8544	44078	35935	2.5	22.18	422	-22832	SLD 11	8664	39534	39349	2.5	93.31	Si
1261	4X/2Y Ø8/10	-1620	-17869	SLD 1	8530	44078	35921	2.5	22.17	422	-22723	SLD 11	8650	39534	39334	2.5	93.27	Si
1290	4X/2Y Ø8/10	-1620	-17760	SLD 1	8516	44078	35907	2.5	22.16	422	-22615	SLD 11	8635	39534	39319	2.5	93.24	Si
1310	4X/2Y Ø8/10	-2105	-9029	SLD 1	7429	44078	34782	2.5	16.52	1145	-11662	SLD 11	7167	39534	37801	2.5	33.02	Si
1339	4X/2Y Ø8/10	-2105	-8920	SLD 1	7416	44078	34768	2.5	16.52	1145	-11553	SLD 11	7153	39534	37785	2.5	33.01	Si
1368	4X/2Y Ø8/10	-2105	-8811	SLD 1	7402	44078	34754	2.5	16.51	1145	-11444	SLD 11	7138	39534	37770	2.5	32.99	Si
1397	4X/2Y Ø8/14.4	-2105	-8703	SLD 1	7389	30516	34740	2.5	14.5	1145	-11335	SLD 11	7124	27370	37755	2.5	23.91	Si
1426	4X/2Y Ø8/14.4	-2105	-8594	SLD 1	7375	30516	34726	2.5	14.5	1145	-11227	SLD 11	7109	27370	37740	2.5	23.91	Si
1455	4X/2Y Ø8/14.4	-2105	-8485	SLD 1	7362	30516	34712	2.5	14.5	1145	-11118	SLD 11	7094	27370	37725	2.5	23.91	Si
1484	4X/2Y Ø8/14.4	-2105	-8376	SLD 1	7348	30516	34698	2.5	14.5	1145	-11009	SLD 11	7080	27370	37710	2.5	23.91	Si
1513	4X/2Y Ø8/14.4	-2105	-8268	SLD 1	7335	30516	34684	2.5	14.5	1145	-10900	SLD 11	7065	27370	37695	2.5	23.91	Si
1542	4X/2Y Ø8/10	-2105	-8159	SLD 1	7321	44078	34670	2.5	16.47	1145	-10792	SLD 11	7051	39534	37680	2.5	32.92	Si
1571	4X/2Y Ø8/10	-2105	-8050	SLD 1	7308	44078	34656	2.5	16.46	1145	-10683	SLD 11	7036	39534	37665	2.5	32.9	Si
1600	4X/2Y Ø8/10	-2105	-7941	SLD 1	7294	44078	34642	2.5	16.46	1145	-10574	SLD 11	7022	39534	37650	2.5	32.89	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	-82229	-53101	-70422	SLE RA 13	-42.3	-82229	-53101	-70422	SLE RA 13	-597.6	Si
-111	-72807	-49577	-70292	SLE RA 13	-41.4	-72807	-49577	-70292	SLE RA 13	-588.1	Si
-81	-63221	-45992	-70159	SLE RA 13	-40.6	-63221	-45992	-70159	SLE RA 13	-578.4	Si
-52	-53636	-42408	-70027	SLE RA 13	-39.7	-53636	-42408	-70027	SLE RA 13	-568.6	Si
-22	-44051	-38823	-69895	SLE RA 13	-38.9	-44051	-38823	-69895	SLE RA 13	-558.9	Si
7	-34465	-35238	-69762	SLE RA 13	-38.1	-34465	-35238	-69762	SLE RA 13	-549.2	Si
36	-24880	-31653	-69630	SLE RA 13	-37.2	-24880	-31653	-69630	SLE RA 13	-539.5	Si
66	-15295	-28069	-69498	SLE RA 13	-36.4	-15295	-28069	-69498	SLE RA 13	-529.8	Si
95	-5709	-24484	-69365	SLE RA 13	-35.5	-5709	-24484	-69365	SLE RA 13	-520.1	Si
125	3972	-20863	-69232	SLE RA 13	-35	3972	-20863	-69232	SLE RA 13	-514.9	Si
154	13461	-17315	-69101	SLE RA 13	-35.1	13461	-17315	-69101	SLE RA 13	-516.4	Si
184	23046	-13730	-68968	SLE RA 13	-35.2	23046	-13730	-68968	SLE RA 13	-517.9	Si
213	27213	-14465	-68615	SLE RA 12	-35.3	32488	-10199	-68838	SLE RA 13	-519.3	Si
242	35811	-12294	-68481	SLE RA 12	-35.4	42217	-6560	-68703	SLE RA 13	-520.8	Si
272	44283	-10155	-68349	SLE RA 12	-35.5	44283	-10155	-68349	SLE RA 12	-522.7	Si
301	52755	-8017	-68216	SLE RA 12	-35.7	61388	609	-68439	SLE RA 13	-524.9	Si
331	70973	4194	-68306	SLE RA 13	-36.2	70973	4194	-68306	SLE RA 13	-532.7	Si
360	80395	7718	-68176	SLE RA 13	-37	80395	7718	-68176	SLE RA 13	-540.4	Si
380	-14591	101606	-53879	SLE RA 12	-35.6	-14591	101606	-53879	SLE RA 12	-482.9	Si
409	-11886	83087	-53748	SLE RA 12	-33.7	-11886	83087	-53748	SLE RA 12	-464	Si
438	-9181	64567	-53618	SLE RA 12	-31.9	-9181	64567	-53618	SLE RA 12	-445.1	Si
467	-6476	46048	-53487	SLE RA 12	-30	-6476	46048	-53487	SLE RA 12	-426.3	Si
496	3114	28740	-53507	SLE RA 13	-28.2	3114	28740	-53507	SLE RA 13	-409.1	Si
525	5738	10180	-53376	SLE RA 13	-26.6	5738	10180	-53376	SLE RA 13	-393.3	Si
554	8363	-8381	-53246	SLE RA 13	-26.5	8363	-8381	-53246	SLE RA 13	-392.3	Si
583	10988	-26941	-53115	SLE RA 13	-28.3	10988	-26941	-53115	SLE RA 13	-409.3	Si
612	13613	-45501	-52985	SLE RA 13	-30	13613	-45501	-52985	SLE RA 13	-426.4	Si
641	16238	-64062	-52854	SLE RA 13	-31.8	16238	-64062	-52854	SLE RA 13	-443.4	Si
670	18863	-82622	-52724	SLE RA 13	-33.5	18863	-82622	-52724	SLE RA 13	-460.4	Si
690	-61970	107136	-39535	SLE RA 12	-31.5	-61970	107136	-39535	SLE RA 12	-413.1	Si
719	-36235	83024	-39407	SLE RA 12	-28.1	-36235	83024	-39407	SLE RA 12	-375.8	Si
748	-10049	58489	-39276	SLE RA 12	-24.5	-10049	58489	-39276	SLE RA 12	-337.9	Si
777	18290	33004	-39239	SLE RA 13	-22.6	18290	33004	-39239	SLE RA 13	-319.9	Si
806	43107	8819	-39109	SLE RA 13	-21.5	43107	8819	-39109	SLE RA 13	-312.1	Si
835	67924	-15366	-38978	SLE RA 13	-23.2	67924	-15366	-38978	SLE RA 13	-331.5	Si
864	94696	-39651	-38754	SLE RA 12	-26.6	94696	-39651	-38754	SLE RA 12	-367	Si
893	120882	-64186	-38624	SLE RA 12	-30	120882	-64186	-38624	SLE RA 12	-403	Si
922	147068	-88721	-38493	SLE RA 12	-33.4	147068	-88721	-38493	SLE RA 12	-439.1	Si
951	173254	-113256	-38363	SLE RA 12	-36.7	173254	-113256	-38363	SLE RA 12	-474.2	Si
980	199440	-137791	-38232	SLE RA 12	-37.9	199440	-137791	-38232	SLE RA 12	-484.6	Si
1000	-98564	139018	-25916	SLE RA 13	-35.7	-98564	139018	-25916	SLE RA 13	-436.4	Si
1029	-90096	111956	-25807	SLE RA 13	-32.9	-90096	111956	-25807	SLE RA 13	-408.8	Si
1058	-81628	84894	-25698	SLE RA 13	-29.7	-81628	84894	-25698	SLE RA 13	-378.1	Si
1087	-73160	57832	-25590	SLE RA 13	-26.1	-73160	57832	-25590	SLE RA 13	-341.4	Si
1116	-64692	30770	-25481	SLE RA 13	-22.5	-64692	30770	-25481	SLE RA 13	-304.7	Si
1145	-56224	3708	-25372	SLE RA 13	-18.8	-56224	3708	-25372	SLE RA 13	-268	Si
1174	-48398	-23633	-25206	SLE RA 12	-20.4	-48398	-23633	-25206	SLE RA 12	-281.5	Si
1203	-41439	-50947	-25097	SLE RA 12	-22.9	-41439	-50947	-25097	SLE RA 12	-304.2	Si
1232	-34481	-78261	-24989	SLE RA 12	-25.4	-34481	-78261	-24989	SLE RA 12	-326.8	Si
1261	-27522	-105575	-24880	SLE RA 12	-27.9	-27522	-105575	-24880	SLE RA 12	-349.5	Si
1290	-20563	-132888	-24771	SLE RA 12	-30.3	-20563	-132888	-24771	SLE RA 12	-372.1	Si
1310	-49879	169770	-13447	SLE RA 12	-37.7	-49879	169770	-13447	SLE RA 12	-387.3	Si
1339	-19365	131939	-13338	SLE RA 12	-23.6	-19365	131939	-13338	SLE RA 12	-271.6	Si
1368	14910	93147	-13248	SLE RA 13	-18.9	14910	93147	-13248	SLE RA 13	-225.8	Si
1397	44870	55704	-13139	SLE RA 13	-16.8	44870	55704	-13139	SLE RA 13	-209	Si
1426	74831	18262	-13030	SLE RA 13	-14.6	74831	18262	-13030	SLE RA 13	-192.3	Si
1455	104791	-19180	-12921	SLE RA 13	-16.7	104791	-19180	-12921	SLE RA 13	-216.5	Si
1484	134752	-56623	-12813	SLE RA 13	-22.9	134752	-56623	-12813	SLE RA 13	-279.9	Si
1513	163723	-95043	-12686	SLE RA 12	-35.7	163723	-95043	-12686	SLE RA 12	-403	Si
1542	194238	-132874	-12577	SLE RA 12	-48.1	194238	-132874	-12577	SLE RA 12	-517	Si
1571	224752	-170704	-12468	SLE RA 12	-61	224752	-170704	-12468	SLE RA 12	756.2	Si
1600	255267	-208535	-12359	SLE RA 12	-65.7	255267	-208535	-12359	SLE RA 12	838.2	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²

Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	-63713	-36363	-61994	SLE QP 2	-35.8	Si
-111	-56885	-34432	-61864	SLE QP 2	-35.3	Si
-81	-49938	-32466	-61732	SLE QP 2	-34.7	Si
-52	-42991	-30501	-61600	SLE QP 2	-34.1	Si
-22	-36045	-28536	-61467	SLE QP 2	-33.6	Si
7	-29098	-26571	-61335	SLE QP 2	-33	Si
36	-22152	-24606	-61203	SLE QP 2	-32.4	Si
66	-15205	-22641	-61070	SLE QP 2	-31.9	Si
95	-8259	-20676	-60938	SLE QP 2	-31.3	Si
125	-1243	-18691	-60804	SLE QP 2	-30.7	Si
154	5635	-16746	-60673	SLE QP 2	-30.7	Si
184	12581	-14780	-60541	SLE QP 2	-30.8	Si
213	19424	-12845	-60410	SLE QP 2	-30.8	Si
242	26474	-10850	-60276	SLE QP 2	-30.9	Si
272	33421	-8885	-60144	SLE QP 2	-31	Si
301	40367	-6920	-60011	SLE QP 2	-31.1	Si
331	47314	-4955	-59879	SLE QP 2	-31.2	Si
360	54143	-3023	-59749	SLE QP 2	-31.3	Si
380	-5164	91015	-47168	SLE QP 2	-31	Si
409	-4363	74464	-47037	SLE QP 2	-29.4	Si
438	-3563	57912	-46907	SLE QP 2	-27.8	Si
467	-2763	41360	-46776	SLE QP 2	-26.2	Si
496	-1962	24809	-46646	SLE QP 2	-24.6	Si
525	-1162	8257	-46515	SLE QP 2	-22.9	Si
554	-361	-8295	-46385	SLE QP 2	-22.8	Si
583	439	-24846	-46254	SLE QP 2	-24.3	Si
612	1239	-41398	-46124	SLE QP 2	-25.8	Si
641	2040	-57949	-45993	SLE QP 2	-27.3	Si
670	2840	-74501	-45863	SLE QP 2	-28.8	Si
690	-49448	94219	-34189	SLE QP 2	-27.2	Si
719	-27879	73046	-34061	SLE QP 2	-24.2	Si
748	-5931	51501	-33931	SLE QP 2	-21.1	Si
777	16017	29956	-33800	SLE QP 2	-19.6	Si
806	37965	8412	-33670	SLE QP 2	-18.6	Si
835	59913	-13133	-33539	SLE QP 2	-20	Si
864	81861	-34678	-33409	SLE QP 2	-22.9	Si
893	103809	-56223	-33278	SLE QP 2	-25.9	Si
922	125757	-77768	-33148	SLE QP 2	-28.8	Si
951	147705	-99312	-33017	SLE QP 2	-31.7	Si
980	169653	-120857	-32887	SLE QP 2	-32.7	Si
1000	-77176	123250	-21790	SLE QP 2	-30.3	Si
1029	-71424	99159	-21682	SLE QP 2	-27.9	Si
1058	-65671	75067	-21573	SLE QP 2	-25.2	Si
1087	-59919	50976	-21464	SLE QP 2	-22.1	Si
1116	-54167	26885	-21355	SLE QP 2	-18.9	Si
1145	-48415	2793	-21247	SLE QP 2	-15.8	Si
1174	-42663	-21298	-21138	SLE QP 2	-17.4	Si
1203	-36911	-45390	-21029	SLE QP 2	-19.6	Si
1232	-31158	-69481	-20920	SLE QP 2	-21.8	Si
1261	-25406	-93572	-20812	SLE QP 2	-24	Si
1290	-19654	-117664	-20703	SLE QP 2	-26.3	Si
1310	-32055	144550	-10462	SLE QP 2	-24.2	Si
1339	-8861	112689	-10353	SLE QP 2	-19	Si
1368	14332	80828	-10244	SLE QP 2	-15.8	Si
1397	37525	48967	-10136	SLE QP 2	-13.8	Si
1426	60719	17106	-10027	SLE QP 2	-11.8	Si
1455	83912	-14755	-9918	SLE QP 2	-13.1	Si
1484	107106	-46616	-9809	SLE QP 2	-18.1	Si
1513	130299	-78478	-9701	SLE QP 2	-23.2	Si
1542	153492	-110339	-9592	SLE QP 2	-39.4	Si
1571	176686	-142200	-9483	SLE QP 2	-50	Si
1600	199879	-174061	-9374	SLE QP 2	-53.6	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

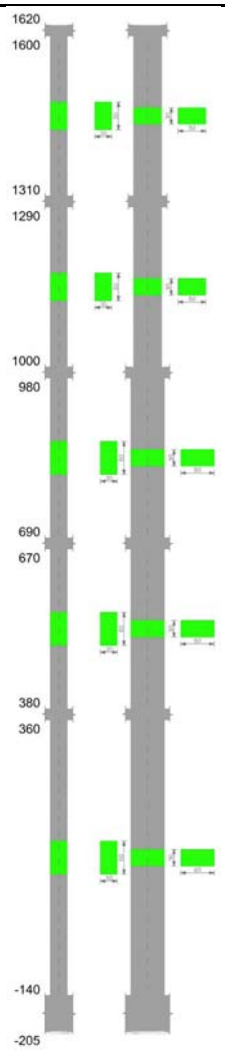
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.

Pilastro 33

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60	No	No	No	No		C30/37	B450C	
380	670	R 30x60	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.10	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.10	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.10	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.10	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	542328	-542328	-199937	818158	-818158	SLU 52	1.509	Si
-111	20.11	2.2	0	1,2	541869	-541869	-199767	818158	-818158	SLU 52	1.51	Si
-81	20.11	1.1	0	2	541402	-541402	-199595	818158	-818158	SLU 52	1.511	Si
-52	20.11	1.1	0	2	540936	-540936	-199423	818158	-818158	SLU 52	1.512	Si
-22	20.11	1.1	0	2	540469	-540469	-199251	818158	-818158	SLU 52	1.514	Si
7	20.11	1.1	0	2	540002	-540002	-199079	818158	-818158	SLU 52	1.515	Si
36	20.11	1.1	0	2	539536	-539536	-198907	818158	-818158	SLU 52	1.516	Si
66	20.11	1.1	0	2	539069	-539069	-198735	818158	-818158	SLU 52	1.518	Si
95	20.11	1.1	0	2	538602	-538602	-198563	818158	-818158	SLU 52	1.519	Si
125	20.11	1.1	0	2	538131	-538131	-198389	818158	-818158	SLU 52	1.52	Si
154	20.11	1.1	0	2	537669	-537669	-198219	818158	-818158	SLU 52	1.522	Si
184	20.11	1.1	0	2	537202	-537202	-198047	818158	-818158	SLU 52	1.523	Si
213	20.11	1.1	0	2	536742	-536742	-197877	818158	-818158	SLU 52	1.524	Si
242	20.11	1.1	0	2	536269	-536269	-197703	818158	-818158	SLU 52	1.526	Si
272	20.11	1.1	0	2	-535802	-535802	-197531	-818158	-818158	SLU 52	1.527	Si
301	20.11	1.1	0	2	-535335	-535335	-197359	-818158	-818158	SLU 52	1.528	Si
331	20.11	1.1	0	2	-534869	534869	-197187	-818158	818158	SLU 52	1.53	Si
360	20.11	1.1	0	2	-534410	534410	-197017	-818158	818158	SLU 52	1.531	Si
380	20.11	2.2	0	2,3	-343446	317494	-158747	-698097	645348	SLU 52	2.033	Si
409	20.11	2.2	0	2,3	-317155	317155	-158578	-647491	647491	SLU 52	2.042	Si
438	20.11	1.1	0	3	-316816	316816	-158408	-647491	647491	SLU 52	2.044	Si
467	20.11	1.1	0	3	-316477	316477	-158238	-647491	647491	SLU 52	2.046	Si
496	20.11	1.1	0	3	-316137	316137	-158069	-647491	647491	SLU 52	2.048	Si
525	20.11	1.1	0	3	-315798	315798	-157899	-647491	647491	SLU 52	2.05	Si
554	20.11	1.1	0	3	-315459	-315459	-157729	-647491	-647491	SLU 52	2.053	Si
583	20.11	1.1	0	3	315119	-315119	-157560	647491	-647491	SLU 52	2.055	Si
612	20.11	1.1	0	3	314780	-314780	-157390	647491	-647491	SLU 52	2.057	Si
641	20.11	1.1	0	3	314441	-314441	-157220	647491	-647491	SLU 52	2.059	Si
670	20.11	1.1	0	3	314101	-314101	-157051	647491	-647491	SLU 52	2.061	Si
690	20.11	2.2	0	3,4,6,7	-238584	238584	-119292	-647491	647491	SLU 52	2.714	Si
719	20.11	2.2	0	3,4,6,7	-238245	238245	-119122	-647491	647491	SLU 52	2.718	Si
748	20.11	1.1	0	4,6,7	-237906	237906	-118953	-647491	647491	SLU 52	2.722	Si
777	20.11	1.1	0	4,6,7	-237566	237566	-118783	-647491	647491	SLU 52	2.726	Si
806	20.11	1.1	0	4,6,7	-237227	237227	-118613	-647491	647491	SLU 52	2.729	Si
835	20.11	1.1	0	4,6,7	236888	236888	-118444	647491	647491	SLU 52	2.733	Si
864	20.11	1.1	0	4,6,7	236548	-236548	-118274	647491	-647491	SLU 52	2.737	Si
893	20.11	1.1	0	4,6,7	236209	-236209	-118105	647491	-647491	SLU 52	2.741	Si
922	20.11	1.1	0	4,6,7	235870	-235870	-117935	647491	-647491	SLU 52	2.745	Si
951	20.37	1.6	0	4,5,6,7	235530	-235530	-117765	649217	-649217	SLU 52	2.756	Si
980	27.42	2	0	4,5,6,7	235197	-235197	-117599	695580	-695580	SLU 52	2.957	Si
1000	20.11	2.4	0	5,6,7,8	-164320	159066	-79533	-573424	555090	SLU 52	3.49	Si
1029	17.8	2.4	0	5,6,7,8	-158784	158784	-79392	-541580	541580	SLU 52	3.411	Si
1058	16.08	1.1	0	8	-158501	158501	-79250	-530708	530708	SLU 52	3.348	Si
1087	16.08	1.1	0	8	-158218	158218	-79109	-530708	530708	SLU 52	3.354	Si
1116	16.08	1.1	0	8	-157935	-157935	-78968	-530708	-530708	SLU 52	3.36	Si
1145	16.08	1.1	0	8	-157653	-157653	-78826	-530708	-530708	SLU 52	3.366	Si
1174	16.08	1.1	0	8	157370	-157370	-78685	530708	-530708	SLU 52	3.372	Si
1203	16.08	1.1	0	8	157087	-157087	-78544	530708	-530708	SLU 52	3.378	Si
1232	16.08	1.1	0	8	156804	-156804	-78402	530708	-530708	SLU 52	3.385	Si
1261	16.08	1.1	0	8	156522	-156522	-78261	530708	-530708	SLU 52	3.391	Si
1290	16.08	1.1	0	8	156239	-156239	-78119	530708	-530708	SLU 52	3.397	Si
1310	16.08	2.1	0	8,9,10	-235518	-80565	-40282	-1316513	-450346	SLU 52	5.59	Si
1339	16.08	2.1	0	8,9,10	-181782	-80287	-40143	-1086515	-479877	SLU 52	5.977	Si
1368	16.08	1.1	0	9,10	-127103	-80004	-40002	-809579	-509583	SLU 52	6.369	Si
1397	16.08	1.1	0	9,10	-79721	79721	-39861	-530708	530708	SLU 52	6.657	Si
1426	16.08	1.1	0	9,10	-79439	79439	-39719	-530708	530708	SLU 52	6.681	Si
1455	16.08	1.1	0	9,10	79156	102879	-39578	506566	658381	SLU 52	6.4	Si
1484	16.08	1.1	0	9,10	91611	137952	-39437	543139	817878	SLU 52	5.929	Si
1513	16.08	1.1	0	9,10	146290	173025	-39295	774458	915991	SLU 52	5.294	Si
1542	16.08	1.1	0	9,10	200969	208098	-39154	939455	972781	SLU 52	4.675	Si
1571	16.08	1.1	0	9,10	255647	243171	-39012	1053865	1002434	SLU 52	4.122	Si
1600	22.11	2.1	0	9,10	309383	277640	-38874	1241903	1114480	SLU 52	4.014	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	1232529	-382060	-130220	-2.02	1.92	1819536	-564021	SLV 15	1.476				Si
-111	20.11	2.2	0	1,2	1136198	-349132	-130090	-2.02	1.92	1768830	-543527	SLV 15	1.557				Si
-81	20.11	1.1	0	2	1038217	-315642	-129958	-2.02	1.92	1705503	-518512	SLV 15	1.643				Si
-52	20.11	1.1	0	2	940258	-282162	-129826	-2.02	1.92	1629167	-488897	SLV 15	1.733				Si
-22	20.11	1.1	0	2	842331	-248699	-129693	-2.02	1.92	1538621	-454279	SLV 15	1.827				Si
7	20.11	1.1	0	2	744446	-215258	-129561	-2.02	1.92	1433053	-414370	SLV 15	1.925				Si
36	20.11	1.1	0	2	646623	-181852	-129429	-2.02	1.92	1312529	-369127	SLV 15	2.03				Si
66	20.11	1.1	0	2	548906	-148512	-129296	-2.02	1.92	1177653	-318625	SLV 15	2.145				Si
95	20.11	1.1	0	2	451358	-115292	-129164	-2.02	1.92	1026681	-262248	SLV 15	2.275				Si
125	20.11	1.1	0	2	353143	-82007	-129030	-2.02	1.92	854978	-198544	SLV 15	2.421				Si
154	20.11	1.1	0	2	128722	-49143	-130957	-2.02	1.92	323651	-123562	SLV 11	2.514				Si
184	20.11	1.1	0	2	56860	-19306	-130825	-2.02	1.92	143110	-48591	SLV 11	2.517				Si
213	20.11	1.1	0	2	10373	26027	-130694	-2.02	1.92	26134	65571	SLV 11	2.519				Si
242	20.11	1.1	0	2	-26230	60007	-130560	-2.02	1.92	-66152	151337	SLV 11	2.522				Si
272	20.11	1.1	0	2	-66688	94643	-130428	-2.02	1.92	-168358	238931	SLV 11	2.525				Si
301	20.11	1.1	0	2	-242088	121882	-128237	-2.02	1.92	-599221	301685	SLV 15	2.475				Si
331	20.11	1.1	0	2	-339129	155184	-128105	-2.02	1.92	-789190	361131	SLV 15	2.327				Si
360	20.11	1.1	0	2	-434928	187997	-127975	-2.02	1.92	-955711	413105	SLV 15	2.197				Si
380	20.11	2.2	0	2,3	-384628	308466	-89907	-2.02	1.92	-986723	791339	SLV 1	2.565				Si
409	20.11	2.2	0	2,3	-314950	250686	-89777	-2.02	1.92	-879467	700016	SLV 1	2.792				Si
438	20.11	1.1	0	3	-114775	-144265	-104138	-2.02	1.92	-347898	-437285	SLV 11	3.031				Si
467	20.11	1.1	0	3	-93569	-103860	-104008	-2.02	1.92	-296224	-328802	SLV 11	3.166				Si
496	20.11	1.1	0	3	-72590	-64584	-103877	-2.02	1.92	-230097	-204719	SLV 11	3.17				Si
525	20.11	1.1	0	3	-57742	-32538	-103747	-2.02	1.92	-183261	-103270	SLV 11	3.174				Si
554	20.11	1.1	0	3	-65073	31676	-103616	-2.02	1.92	-206789	100659	SLV 11	3.178				Si
583	20.11	1.1	0	3	-47348	67332	-103486	-2.02	1.92	-150651	214235	SLV 11	3.182				Si
612	20.11	1.1	0	3	52726	107106	-103355	-2.02	1.92	167976	341220	SLV 11	3.186				Si
641	20.11	1.1	0	3	260513	-220588	-88733	-2.02	1.92	772468	-654082	SLV 1	2.965				Si
670	20.11	1.1	0	3	330338	-278238	-88602	-2.02	1.92	900254	-758270	SLV 1	2.725				Si
690	20.11	2.2	0	3,4,6,7	-465644	229583	-66950	-2.02	1.92	-1435857	707942	SLV 1	3.084				Si
719	20.11	2.2	0	3,4,6,7	-366939	180669	-66819	-2.02	1.92	-1278369	629428	SLV 1	3.484				Si
748	20.11	1.1	0	4,6,7	-269147	132676	-66689	-2.02	1.92	-1056797	520947	SLV 1	3.926				Si
777	20.11	1.1	0	4,6,7	38126	-59619	-77536	-2.02	1.92	161909	-253182	SLV 11	4.247				Si
806	20.11	1.1	0	4,6,7	34688	-6723	-77406	-2.02	1.92	147555	-28597	SLV 11	4.254				Si
835	20.11	1.1	0	4,6,7	-26244	39627	-77275	-2.02	1.92	-111827	168851	SLV 11	4.261				Si
864	20.11	1.1	0	4,6,7	-38020	71938	-77145	-2.02	1.92	-162279	307047	SLV 11	4.268				Si
893	20.11	1.1	0	4,6,7	-144866	113468	-75560	-2.02	1.92	-576060	451204	SLV 15	3.976				Si
922	20.11	1.1	0	4,6,7	346209	-179532	-65906	-2.02	1.92	1233306	-639548	SLV 1	3.562				Si
951	20.37	1.6	0	4,5,6,7	444669	-228620	-65775	-2.02	1.92	1405798	-722770	SLV 1	3.161				Si
980	27.42	2	0	4,5,6,7	541973	-277193	-65647	-2.02	1.92	1634433	-835934	SLV 1	3.016				Si
1000	20.11	2.4	0	5,6,7,8	-375008	196354	-43729	-2.02	1.92	-1209304	633192	SLV 1	3.225				Si
1029	17.8	2.4	0	5,6,7,8	-296334	152492	-43620	-2.02	1.92	-1113989	573255	SLV 1	3.759				Si
1058	16.08	1.1	0	8	-218038	109167	-43511	-2.02	1.92	-958846	480075	SLV 1	4.398				Si
1087	16.08	1.1	0	8	-140794	67349	-43403	-2.02	1.92	-732763	350519	SLV 1	5.205				Si
1116	16.08	1.1	0	8	4458	-26787	-50868	-2.02	1.92	23819	-143114	SLV 11	5.343				Si
1145	16.08	1.1	0	8	1350	5673	-50760	-2.02	1.92	7229	30376	SLV 11	5.354				Si
1174	16.08	1.1	0	8	108067	-57003	-45316	-2.02	1.92	579607	-305729	SLV 3	5.363				Si
1203	16.08	1.1	0	8	165541	-122157	-42968	-2.02	1.92	760788	-561404	SLV 1	4.596				Si
1232	16.08	1.1	0	8	236553	-165530	-42859	-2.02	1.92	922676	-645653	SLV 1	3.901				Si
1261	16.08	1.1	0	8	307749	-209415	-42750	-2.02	1.92	1013200	-689456	SLV 1	3.292				Si
1290	16.08	1.1	0	8	379026	-253538	-42641	-2.02	1.92	1054890	-705637	SLV 1	2.783				Si
1310	16.08	2.1	0	8,9,10	-432058	97908	-20657	-2.02	1.92	-1530361	346794	SLV 1	3.542				Si
1339	16.08	2.1	0	8,9,10	-297800	-130189	-21856	-2.02	1.92	-1283565	-561136	SLV 3	4.31				Si
1368	16.08	1.1	0	9,10	-198163	-75063	-21747	-2.02	1.92	-1302756	-493478	SLV 3	6.574				Si
1397	16.08	1.1	0	9,10	-98984	-19730	-21639	-2.02	1.92	-1008129	-200948	SLV 3	10.185				Si
1426	16.08	1.1	0	9,10	-23092	52840	-23974	-2.02	1.92	-231025	528627	SLV 15	10.004				Si
1455	16.08	1.1	0	9,10	-69150	102685	-23865	-2.02	1.92	-529542	786344	SLV 15	7.658				Si
1484	16.08	1.1	0	9,10	-118035	158668	-23756	-2.02	1.92	-668316	898377	SLV 15	5.662				Si
1513	16.08	1.1	0	9,10	-165539	215618	-23647	-2.02	1.92	-700195	912020	SLV 15	4.23				Si
1542	16.08	1.1	0	9,10	-213218	272836	-23539	-2.02	1.92	-700383	896218	SLV 15	3.285				Si
1571	16.08	1.1	0	9,10	-260970	330166	-23430	-2.02	1.92	-694326	878427	SLV 15	2.661				Si
1600	22.11	2.1	0	9,10	-307934	386563	-23323	-2.02	1.92	-774903	972770	SLV 15	2.516				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	467797	-160118	-125274	1050267	-359487	SLD 15	2.245	Si
-111	20.11	2.2	0	1,2	432254	-146606	-125144	993398	-336928	SLD 15	2.298	Si
-81	20.11	1.1	0	2	396105	-132865	-125012	932734	-312865	SLD 15	2.355	Si
-52	20.11	1.1	0	2	359968	-119128	-124880	869028	-287596	SLD 15	2.414	Si
-22	20.11	1.1	0	2	323847	-105398	-124747	802056	-261034	SLD 15	2.477	Si
7	20.11	1.1	0	2	287748	-91679	-124615	731568	-233084	SLD 15	2.542	Si
36	20.11	1.1	0	2	251681	-77976	-124483	657303	-203645	SLD 15	2.612	Si
66	20.11	1.1	0	2	101544	-66084	-125160	267142	-173854	SLD 11	2.631	Si
95	20.11	1.1	0	2	86739	-51757	-125028	228434	-136307	SLD 11	2.634	Si
125	20.11	1.1	0	2	72073	-37378	-124894	190012	-98544	SLD 11	2.636	Si
154	20.11	1.1	0	2	58429	-23710	-124763	154203	-62574	SLD 11	2.639	Si
184	20.11	1.1	0	2	32552	-11809	-124630	86001	-31199	SLD 11	2.642	Si
213	20.11	1.1	0	2	16329	7704	-124500	43185	20374	SLD 11	2.645	Si
242	20.11	1.1	0	2	2801	21523	-124366	7415	56984	SLD 11	2.648	Si
272	20.11	1.1	0	2	-11398	35691	-124233	-30211	94596	SLD 11	2.65	Si
301	20.11	1.1	0	2	-25439	49997	-124101	-67495	132655	SLD 11	2.653	Si
331	20.11	1.1	0	2	-40070	64357	-123969	-106429	170937	SLD 11	2.656	Si
360	20.11	1.1	0	2	-54683	78495	-123839	-145394	208707	SLD 11	2.659	Si
380	20.11	2.2	0	2,3	-245017	144125	-93777	-757534	445600	SLD 1	3.092	Si
409	20.11	2.2	0	2,3	-202596	116889	-93646	-658152	379725	SLD 1	3.249	Si
438	20.11	1.1	0	3	-109603	-42181	-99214	-363752	-139990	SLD 11	3.319	Si
467	20.11	1.1	0	3	-86105	-31185	-99083	-286142	-103632	SLD 11	3.323	Si
496	20.11	1.1	0	3	-62580	-20748	-98953	-208239	-69040	SLD 11	3.328	Si
525	20.11	1.1	0	3	-42170	-13615	-98822	-140508	-45364	SLD 11	3.332	Si
554	20.11	1.1	0	3	-31842	8917	-98692	-106236	29750	SLD 11	3.336	Si
583	20.11	1.1	0	3	-8363	17642	-98561	-27938	58938	SLD 11	3.341	Si
612	20.11	1.1	0	3	52638	28317	-98431	176084	94725	SLD 11	3.345	Si
641	20.11	1.1	0	3	76109	39382	-98300	254939	131915	SLD 11	3.35	Si
670	20.11	1.1	0	3	189974	-132126	-92472	617580	-429523	SLD 1	3.251	Si
690	20.11	2.2	0	3,4,6,7	-249722	110146	-69828	-988413	435963	SLD 1	3.958	Si
719	20.11	2.2	0	3,4,6,7	-197391	87393	-69698	-833545	369044	SLD 1	4.223	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
748	20.11	1.1	0	4,6,7	-15863	-25824	-73916	-70665	-115037	SLD 11	4.455	Si
777	20.11	1.1	0	4,6,7	-5364	-14812	-73786	-23936	-66100	SLD 11	4.463	Si
806	20.11	1.1	0	4,6,7	7450	1919	-73655	33305	8579	SLD 11	4.47	Si
835	20.11	1.1	0	4,6,7	-8394	18365	-73525	-37593	82247	SLD 11	4.478	Si
864	20.11	1.1	0	4,6,7	875	26732	-73394	3924	119930	SLD 11	4.486	Si
893	20.11	1.1	0	4,6,7	13203	37821	-73264	59336	169978	SLD 11	4.494	Si
922	20.11	1.1	0	4,6,7	181106	-79267	-68784	789704	-345639	SLD 1	4.36	Si
951	20.37	1.6	0	4,5,6,7	233242	-102086	-68654	956386	-418592	SLD 1	4.1	Si
980	27.42	2	0	4,5,6,7	284788	-124650	-68525	1177614	-515436	SLD 1	4.135	Si
1000	20.11	2.4	0	5,6,7,8	-203879	97358	-45652	-939750	448754	SLD 1	4.609	Si
1029	17.8	2.4	0	5,6,7,8	-162273	74706	-45543	-798933	367809	SLD 1	4.923	Si
1058	16.08	1.1	0	8	-120855	52289	-45434	-642210	277856	SLD 1	5.314	Si
1087	16.08	1.1	0	8	-13960	-23673	-48370	-78437	-133007	SLD 11	5.619	Si
1116	16.08	1.1	0	8	-8967	-13379	-48261	-50495	-75339	SLD 11	5.631	Si
1145	16.08	1.1	0	8	-417	-4579	-48152	-2352	-25842	SLD 11	5.644	Si
1174	16.08	1.1	0	8	13554	-99	-48044	76673	-557	SLD 11	5.657	Si
1203	16.08	1.1	0	8	84532	-66316	-44890	461616	-362142	SLD 1	5.461	Si
1232	16.08	1.1	0	8	123005	-88735	-44782	614671	-443421	SLD 1	4.997	Si
1261	16.08	1.1	0	8	161570	-111388	-44673	743098	-512299	SLD 1	4.599	Si
1290	16.08	1.1	0	8	200176	-134149	-44564	847923	-568242	SLD 1	4.236	Si
1310	16.08	2.1	0	8,9,10	-138746	-96509	-23278	-951561	-661886	SLD 7	6.858	Si
1339	16.08	2.1	0	8,9,10	-178015	-66893	-22185	-1259211	-473176	SLD 3	7.074	Si
1368	16.08	1.1	0	9,10	-120544	-32284	-22076	-1103901	-295647	SLD 3	9.158	Si
1397	16.08	1.1	0	9,10	-55397	31879	-21156	-614472	353602	SLD 5	11.092	Si
1426	16.08	1.1	0	9,10	-14957	44532	-22879	-163225	485991	SLD 15	10.913	Si
1455	16.08	1.1	0	9,10	6140	78374	-23042	58772	750203	SLD 11	9.572	Si
1484	16.08	1.1	0	9,10	57130	104562	-22628	456314	835164	SLD 7	7.987	Si
1513	16.08	1.1	0	9,10	90189	138182	-22519	590943	905409	SLD 7	6.552	Si
1542	16.08	1.1	0	9,10	123156	171803	-22410	661488	922778	SLD 7	5.371	Si
1571	16.08	1.1	0	9,10	156087	205424	-22301	694944	914607	SLD 7	4.452	Si
1600	22.11	2.1	0	9,10	188431	238464	-22195	786811	995725	SLD 7	4.176	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	168	-121658	SLU 29	15366	51792	52691	2.35	309.03	-696	-121658	SLU 29	15029	48385	55356	2.5	69.52	Si
-111	5X/2Y Ø8/10	168	-121489	SLU 29	15366	51792	52691	2.35	309.03	-696	-121489	SLU 29	15029	48385	55356	2.5	69.52	Si
-81	5X/2Y Ø8/10	168	-121317	SLU 29	15366	51792	52691	2.35	309.03	-696	-121317	SLU 29	15029	48385	55356	2.5	69.52	Si
-52	5X/2Y Ø8/10	168	-121145	SLU 29	15366	51792	52691	2.35	309.03	-696	-121145	SLU 29	15029	48385	55356	2.5	69.52	Si
-22	5X/2Y Ø8/15	168	-120973	SLU 29	15366	36732	50429	2.5	219.17	-696	-120973	SLU 29	15029	32257	55356	2.5	46.35	Si
7	5X/2Y Ø8/15	168	-120800	SLU 29	15366	36732	50429	2.5	219.17	-696	-120800	SLU 29	15029	32257	55356	2.5	46.35	Si
36	5X/2Y Ø8/15	168	-120628	SLU 29	15366	36732	50429	2.5	219.17	-696	-120628	SLU 29	15029	32257	55356	2.5	46.35	Si
66	5X/2Y Ø8/15	168	-120456	SLU 29	15366	36732	50429	2.5	219.17	-696	-120456	SLU 29	15029	32257	55356	2.5	46.35	Si
95	5X/2Y Ø8/15	168	-120284	SLU 29	15366	36732	50429	2.5	219.17	-696	-120284	SLU 29	15029	32257	55356	2.5	46.35	Si
125	5X/2Y Ø8/15	168	-120110	SLU 29	15366	36732	50429	2.5	219.17	-696	-120110	SLU 29	15029	32257	55356	2.5	46.35	Si
154	5X/2Y Ø8/15	168	-119940	SLU 29	15366	36732	50429	2.5	219.17	-696	-119940	SLU 29	15029	32257	55356	2.5	46.35	Si
184	5X/2Y Ø8/15	168	-119768	SLU 29	15366	36732	50429	2.5	219.17	-696	-119768	SLU 29	15029	32257	55356	2.5	46.35	Si
213	5X/2Y Ø8/15	168	-119599	SLU 29	15366	36732	50429	2.5	219.17	-696	-119599	SLU 29	15029	32257	55356	2.5	46.35	Si
242	5X/2Y Ø8/10	168	-119424	SLU 29	15366	51792	52691	2.35	309.03	-696	-119424	SLU 29	15029	48385	55356	2.5	69.52	Si
272	5X/2Y Ø8/10	168	-119252	SLU 29	15366	51792	52691	2.35	309.03	-696	-119252	SLU 29	15029	48385	55356	2.5	69.52	Si
301	5X/2Y Ø8/10	168	-119080	SLU 29	15366	51792	52691	2.35	309.03	-696	-119080	SLU 29	15029	48385	55356	2.5	69.52	Si
331	5X/2Y Ø8/10	168	-118908	SLU 29	15366	51792	52691	2.35	309.03	-696	-118908	SLU 29	15029	48385	55356	2.5	69.52	Si
360	5X/2Y Ø8/10	168	-118739	SLU 29	15366	51792	52691	2.35	309.03	-696	-118739	SLU 29	15029	48385	55356	2.5	69.52	Si
380	5X/2Y Ø8/10	-578	-144081	SLU 24	15366	51792	52691	2.35	89.54	1918	-148345	SLU 45	15029	48385	55356	2.5	25.23	Si
409	5X/2Y Ø8/10	-578	-143950	SLU 24	15366	51792	52691	2.35	89.54	1918	-148175	SLU 45	15029	48385	55356	2.5	25.23	Si
438	5X/2Y Ø8/10	-578	-143820	SLU 24	15366	51792	52691	2.35	89.54	1918	-148005	SLU 45	15029	48385	55356	2.5	25.23	Si
467	5X/2Y Ø8/14.4	-578	-143689	SLU 24	15366	38145	50429	2.5	65.94	1918	-147836	SLU 45	15029	33497	55356	2.5	17.47	Si
496	5X/2Y Ø8/14.4	-578	-143559	SLU 24	15366	38145	50429	2.5	65.94	1918	-147666	SLU 45	15029	33497	55356	2.5	17.47	Si
525	5X/2Y Ø8/14.4	-578	-143428	SLU 24	15366	38145	50429	2.5	65.94	1918	-147496	SLU 45	15029	33497	55356	2.5	17.47	Si
554	5X/2Y Ø8/14.4	-578	-143298	SLU 24	15366	38145	50429	2.5	65.94	1918	-147327	SLU 45	15029	33497	55356	2.5	17.47	Si
583	5X/2Y Ø8/14.4	-578	-143167	SLU 24	15366	38145	50429	2.5	65.94	1918	-147157	SLU 45	15029	33497	55356	2.5	17.47	Si
612	5X/2Y Ø8/10	-578	-143037	SLU 24	15366	51792	52691	2.35	89.54	1918	-146988	SLU 45	15029	48385	55356	2.5	25.23	Si
641	5X/2Y Ø8/10	-578	-142906	SLU 24	15366	51792	52691	2.35	89.54	1918	-146818	SLU 45	15029	48385	55356	2.5	25.23	Si
670	5X/2Y Ø8/10	-578	-142776	SLU 24	15366	51792	52691	2.35	89.54	1918	-146648	SLU 45	15029	48385	55356	2.5	25.23	Si
690	5X/2Y Ø8/10	-474	-107880	SLU 23	15366	51792	52691	2.35	109.17	1410	-118538	SLU 49	15029	48385	55356	2.5	34.31	Si
719	5X/2Y Ø8/10	-474	-107749	SLU 23	15366	51792	52691	2.35	109.17	1410	-118368	SLU 49	15029	48385	55356	2.5	34.31	Si
748	5X/2Y Ø8/10	-474	-107619	SLU 23	15366	51792	52691	2.35	109.17	1410	-118198	SLU 49	15029	48385	55356	2.5	34.31	Si
777	5X/2Y Ø8/14.4	-474	-107488	SLU 23	15366	38145	50429	2.5	80.4	1410	-118029	SLU 49	15029	33497	55356	2.5	23.75	Si
806	5X/2Y Ø8/14.4	-474	-107358	SLU 23	15366	38145	50429	2.5	80.4	1410	-117859	SLU 49	15029	33497	55356	2.5	23.75	Si
835	5X/2Y Ø8/14.4	-474	-107227	SLU 23	15366	38145	50429	2.5	80.4	1410	-117689	SLU 49	15029	33497	55356	2.5	23.75	Si
864	5X/2Y Ø8/14.4	-474	-107097	SLU 23	15366	38145	50429	2.5	80.4	1410	-117520	SLU 49	15029	33497	55356	2.5	23.75	Si
893	5X/2Y Ø8/14.4	-474	-106966	SLU 23	15366	38145	50429	2.5	80.4	1410	-117350	SLU 49	15029	33497	55356	2.5	23.75	Si
922	5X/2Y Ø8/10	-474	-106836	SLU 23	15366	51792	52691	2.35	109.17	1410	-117180	SLU 49	15029	48385	55356	2.5	34.31	Si
951	5X/2Y Ø8/10	-474	-106705	SLU 23	15366	51792	52691	2.35	109.17	1410	-117011	SLU 49	15029	48385	55356	2.5	34.31	Si
980	5X/2Y Ø8/10	-474	-106577	SLU 23	15366	51792	52691	2.35	109.17	1410	-116844	SLU 49	15029	48385	55356	2.5	34.31	Si
1000	4X/2Y Ø8/10	-633	-72156	SLU 25	12805	42315	43268	2.4	66.87	1093	-78885	SLU 50	12600	39534	45230	2.5	36.16	Si
1029	4X/2Y Ø8/10	-633	-72047	SLU 25	12805	42315	43268	2.4	66.87	1093	-78743	SLU 50	12600	39534	45230	2.5	36.16	Si
1058	4X/2Y Ø8/10	-633	-71939	SLU 25	12805	42315	43268	2.4	66.87	1093	-78602	SLU 50	12600	39534	45230	2.5	36.16	Si
1087	4X/2Y Ø8/14.4	-633	-71830	SLU 25	12805	30516	42024	2.5	48.22	1093	-78461	SLU 50	12600	27370	45230	2.5	25.04	Si
1116	4X/2Y Ø8/14.4	-633	-71721	SLU 25	12805	30516	42024	2.5	48.22	1093	-78319	SLU 50	12600	27370	45230	2.5	25.04	Si
1145	4X/2Y Ø8/14.4	-633	-71612	SLU 25	12805	30516	42024	2.5	48.22	1093	-78178	SLU 50	12600	27370	45230	2.5	25.04	Si
1174	4X/2Y Ø8/14.4	-633	-71504	SLU 25	12805	30516	42024	2.5	48.22	1093	-78036	SLU 50	12600	27370	45230	2.5	25.04	Si
1203	4X/2Y Ø8/14.4	-633	-71395	SLU 25	12805	30516	42024	2.5	48.22	1093	-77895	SLU 50	12600	27370	45230	2.5	25.04	Si
1232	4X/2Y Ø8/10	-633	-71286	SLU 25	12805	42315	43268	2.4	66.87	1093	-77754	SLU 50	12600	39534	45230	2.5	36.16	Si
1261	4X/2Y Ø8/10	-633	-71177	SLU 25	12805	42315	43268	2.4	66.87	1093	-77612	SLU 50	12600	39534	45230	2.5	36.16	Si
1290	4X/2Y Ø8/10	-633	-71069	SLU 25	12805	42315	43268	2.4	66.87	1093	-77471	SLU 50	12600	39534	45230	2.5	36.16	Si
1310	4X/2Y Ø8/10	1223	-37243	SLU 48	10942	40552	40737	2.3	33.16	1889	-39665	SLU 50	10920	39534	41682	2.5	20.93	Si
1339	4X/2Y Ø8/10	1223	-37104	SLU 48	10925	40552	40718	2.3	33.16	1889	-39526	SLU 50	10901	39534	41663	2.5	20.93	Si
1368	4X/2Y Ø8/10	1223	-36962	SLU 48	10907	40552	40699	2.3	33.16	1889	-39384	SLU 50	10882	39534	41643	2.5	20.93	Si
1397	4X/2Y Ø8/14.4	1223	-36821	SLU 48	10890	30516	38362	2.5	24.95	1889	-39243	SLU 50	10863	27370	41624	2.5	14.49	Si
1426	4X/2Y Ø8/14.4	1223	-36680	SLU 48	10872	30516	38344	2.5	24.95	1889	-39102	SLU 50	10844	27370	41604	2.5	14.49	Si
1455	4X/2Y Ø8/14.4	1223	-36538	SLU 48	10854	30516	38325	2.5	24.95	1889	-38960	SLU 50	10825	27370	41585	2.5	14.49	Si
1484	4X/2Y Ø8/14.4	1223	-36397	SLU 48	10837	30516	38307	2.5	24.95	1889	-38819	SLU 50	10806	27370	41565	2.5	14.49	Si
1513	4X/2Y Ø8/14.4	1223	-36255	SLU 48	10819	30516	38289	2.5	24.95	1889	-38678	SLU 50	10787	27370	41545	2.5	14.49	Si
1542	4X/2Y Ø8/10	1223	-36114	SLU 48	10802	40552	40583	2.3	33.16	1889	-38536	SLU 50	10768	39534	41526	2.5	20.93	Si
1571	4X/2Y Ø8/10	1223	-35973	SLU 48	10784	40552	40564	2.3	33.16	1889	-38395	SLU 50	10749	39534	41506	2.5	20.93	Si
1600	4X/2Y Ø8/10	1223	-35834	SLU 48	10767	39671	41152	2.25	32.44	1889	-38256	SLU 50	10731	39534	41487	2.5	20.93	Si

Verifica a taglio in famiglia SLV

	Direzione X	Direzione Y	Verifica

Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	1195	-132278	SLV 11	15366	51792	52691	2.35	43.33	3597	-113974	SLV 1	15029	48385	55356	2.5	13.45	Si
-111	5X/2Y Ø8/10	1195	-132148	SLV 11	15366	51792	52691	2.35	43.33	3597	-113844	SLV 1	15029	48385	55356	2.5	13.45	Si
-81	5X/2Y Ø8/10	1195	-132016	SLV 11	15366	51792	52691	2.35	43.33	3597	-113712	SLV 1	15029	48385	55356	2.5	13.45	Si
-52	5X/2Y Ø8/10	1195	-131884	SLV 11	15366	51792	52691	2.35	43.33	3597	-113579	SLV 1	15029	48385	55356	2.5	13.45	Si
-22	5X/2Y Ø8/15	1195	-131751	SLV 11	15366	36732	50429	2.5	30.73	3597	-113447	SLV 1	15029	32257	55356	2.5	8.97	Si
7	5X/2Y Ø8/15	1195	-131619	SLV 11	15366	36732	50429	2.5	30.73	3597	-113314	SLV 1	15029	32257	55356	2.5	8.97	Si
36	5X/2Y Ø8/15	1195	-131487	SLV 11	15366	36732	50429	2.5	30.73	3597	-113182	SLV 1	15029	32257	55356	2.5	8.97	Si
66	5X/2Y Ø8/15	1195	-131354	SLV 11	15366	36732	50429	2.5	30.73	3597	-113050	SLV 1	15029	32257	55356	2.5	8.97	Si
95	5X/2Y Ø8/15	1195	-131222	SLV 11	15366	36732	50429	2.5	30.73	3597	-112917	SLV 1	15029	32257	55356	2.5	8.97	Si
125	5X/2Y Ø8/15	1195	-131088	SLV 11	15366	36732	50429	2.5	30.73	3597	-112784	SLV 1	15029	32257	55356	2.5	8.97	Si
154	5X/2Y Ø8/15	1195	-130957	SLV 11	15366	36732	50429	2.5	30.73	3597	-112653	SLV 1	15029	32257	55356	2.5	8.97	Si
184	5X/2Y Ø8/15	1195	-130825	SLV 11	15366	36732	50429	2.5	30.73	3597	-112520	SLV 1	15029	32257	55356	2.5	8.97	Si
213	5X/2Y Ø8/15	1195	-130694	SLV 11	15366	36732	50429	2.5	30.73	3597	-112390	SLV 1	15029	32257	55356	2.5	8.97	Si
242	5X/2Y Ø8/10	1195	-130560	SLV 11	15366	51792	52691	2.35	43.33	3597	-112256	SLV 1	15029	48385	55356	2.5	13.45	Si
272	5X/2Y Ø8/10	1195	-130428	SLV 11	15366	51792	52691	2.35	43.33	3597	-112123	SLV 1	15029	48385	55356	2.5	13.45	Si
301	5X/2Y Ø8/10	1195	-130295	SLV 11	15366	51792	52691	2.35	43.33	3597	-111991	SLV 1	15029	48385	55356	2.5	13.45	Si
331	5X/2Y Ø8/10	1195	-130163	SLV 11	15366	51792	52691	2.35	43.33	3597	-111859	SLV 1	15029	48385	55356	2.5	13.45	Si
360	5X/2Y Ø8/10	1195	-130033	SLV 11	15366	51792	52691	2.35	43.33	3597	-111728	SLV 1	15029	48385	55356	2.5	13.45	Si
380	5X/2Y Ø8/10	-2008	-89907	SLV 1	15366	51792	52691	2.35	25.79	2713	-94000	SLV 3	15029	48385	55356	2.5	17.83	Si
409	5X/2Y Ø8/10	-2008	-89777	SLV 1	15366	51792	52691	2.35	25.79	2713	-93870	SLV 3	15029	48385	55356	2.5	17.83	Si
438	5X/2Y Ø8/10	-2008	-89646	SLV 1	15366	51792	52691	2.35	25.79	2713	-93739	SLV 3	15029	48385	55356	2.5	17.83	Si
467	5X/2Y Ø8/14.4	-2008	-89516	SLV 1	15366	38145	50429	2.5	18.99	2713	-93609	SLV 3	15029	33497	55356	2.5	12.35	Si
496	5X/2Y Ø8/14.4	-2008	-89385	SLV 1	15366	38145	50429	2.5	18.99	2713	-93478	SLV 3	15029	33497	55356	2.5	12.35	Si
525	5X/2Y Ø8/14.4	-2008	-89255	SLV 1	15366	38145	50429	2.5	18.99	2713	-93348	SLV 3	15029	33497	55356	2.5	12.35	Si
554	5X/2Y Ø8/14.4	-2008	-89124	SLV 1	15366	38145	50429	2.5	18.99	2713	-93217	SLV 3	15029	33497	55356	2.5	12.35	Si
583	5X/2Y Ø8/14.4	-2008	-88994	SLV 1	15366	38145	50429	2.5	18.99	2713	-93087	SLV 3	15029	33497	55356	2.5	12.35	Si
612	5X/2Y Ø8/10	-2008	-88863	SLV 1	15366	51792	52691	2.35	25.79	2713	-92956	SLV 3	15029	48385	55356	2.5	17.83	Si
641	5X/2Y Ø8/10	-2008	-88733	SLV 1	15366	51792	52691	2.35	25.79	2713	-92826	SLV 3	15029	48385	55356	2.5	17.83	Si
670	5X/2Y Ø8/10	-2008	-88602	SLV 1	15366	51792	52691	2.35	25.79	2713	-92695	SLV 3	15029	48385	55356	2.5	17.83	Si
690	5X/2Y Ø8/10	-1796	-65496	SLV 5	15366	50690	51726	2.3	28.23	3448	-66950	SLV 1	15029	48385	53750	2.5	14.03	Si
719	5X/2Y Ø8/10	-1796	-65366	SLV 5	15366	50690	51708	2.3	28.23	3448	-66819	SLV 1	15029	48385	53732	2.5	14.03	Si
748	5X/2Y Ø8/10	-1796	-65235	SLV 5	15366	50690	51690	2.3	28.23	3448	-66689	SLV 1	15029	48385	53713	2.5	14.03	Si
777	5X/2Y Ø8/14.4	-1796	-65105	SLV 5	15366	38145	48728	2.5	21.24	3448	-66558	SLV 1	15029	33497	53695	2.5	9.71	Si
806	5X/2Y Ø8/14.4	-1796	-64974	SLV 5	15366	38145	48712	2.5	21.24	3448	-66428	SLV 1	15029	33497	53677	2.5	9.71	Si
835	5X/2Y Ø8/14.4	-1796	-64844	SLV 5	15366	38145	48695	2.5	21.24	3448	-66297	SLV 1	15029	33497	53658	2.5	9.71	Si
864	5X/2Y Ø8/14.4	-1796	-64713	SLV 5	15366	38145	48678	2.5	21.24	3448	-66167	SLV 1	15029	33497	53640	2.5	9.71	Si
893	5X/2Y Ø8/14.4	-1796	-64583	SLV 5	15366	38145	48661	2.5	21.24	3448	-66036	SLV 1	15029	33497	53621	2.5	9.71	Si
922	5X/2Y Ø8/10	-1796	-64452	SLV 5	15366	50690	51583	2.3	28.23	3448	-65906	SLV 1	15029	48385	53603	2.5	14.03	Si
951	5X/2Y Ø8/10	-1796	-64322	SLV 5	15366	50690	51565	2.3	28.23	3448	-65775	SLV 1	15029	48385	53584	2.5	14.03	Si
980	5X/2Y Ø8/10	-1796	-64193	SLV 5	15366	50690	51548	2.3	28.23	3448	-65647	SLV 1	15029	48385	53566	2.5	14.03	Si
1000	4X/2Y Ø8/10	-1654	-42582	SLV 5	11607	40552	41466	2.3	24.51	2730	-45968	SLV 3	11764	39534	42556	2.5	14.48	Si
1029	4X/2Y Ø8/10	-1654	-42474	SLV 5	11593	40552	41451	2.3	24.51	2730	-45859	SLV 3	11750	39534	42541	2.5	14.48	Si
1058	4X/2Y Ø8/10	-1654	-42365	SLV 5	11580	40552	41437	2.3	24.51	2730	-45751	SLV 3	11735	39534	42526	2.5	14.48	Si
1087	4X/2Y Ø8/14.4	-1654	-42256	SLV 5	11566	30516	39062	2.5	18.45	2730	-45642	SLV 3	11721	27370	42511	2.5	10.02	Si
1116	4X/2Y Ø8/14.4	-1654	-42147	SLV 5	11553	30516	39048	2.5	18.45	2730	-45533	SLV 3	11706	27370	42496	2.5	10.02	Si
1145	4X/2Y Ø8/14.4	-1654	-42039	SLV 5	11539	30516	39034	2.5	18.45	2730	-45424	SLV 3	11691	27370	42481	2.5	10.02	Si
1174	4X/2Y Ø8/14.4	-1654	-41930	SLV 5	11526	30516	39020	2.5	18.45	2730	-45316	SLV 3	11677	27370	42466	2.5	10.02	Si
1203	4X/2Y Ø8/14.4	-1654	-41821	SLV 5	11512	30516	39006	2.5	18.45	2730	-45207	SLV 3	11662	27370	42451	2.5	10.02	Si
1232	4X/2Y Ø8/10	-1654	-41712	SLV 5	11499	40552	41347	2.3	24.51	2730	-45098	SLV 3	11648	39534	42435	2.5	14.48	Si
1261	4X/2Y Ø8/10	-1654	-41604	SLV 5	11485	40552	41333	2.3	24.51	2730	-44989	SLV 3	11633	39534	42420	2.5	14.48	Si
1290	4X/2Y Ø8/10	-1654	-41495	SLV 5	11471	40552	41318	2.3	24.51	2730	-44881	SLV 3	11619	39534	42405	2.5	14.48	Si
1310	4X/2Y Ø8/10	2317	-25075	SLV 11	9427	38789	40256	2.2	16.74	3754	-20657	SLV 1	8373	38743	39619	2.45	10.32	Si
1339	4X/2Y Ø8/10	2317	-24968	SLV 11	9414	38789	40241	2.2	16.74	3754	-20550	SLV 1	8358	38743	39604	2.45	10.32	Si
1368	4X/2Y Ø8/10	2317	-24859	SLV 11	9400	38789	40226	2.2	16.74	3754	-20442	SLV 1	8344	38743	39589	2.45	10.32	Si
1397	4X/2Y Ø8/14.4	2317	-24750	SLV 11	9387	30516	36807	2.5	13.17	3754	-20333	SLV 1	8329	27370	39003	2.5	7.29	Si
1426	4X/2Y Ø8/14.4	2317	-24642	SLV 11	9373	30516	36793	2.5	13.17	3754	-20224	SLV 1	8315	27370	38987	2.5	7.29	Si
1455	4X/2Y Ø8/14.4	2317	-24533	SLV 11	9360	30516	36779	2.5	13.17	3754	-20115	SLV 1	8300	27370	38972	2.5	7.29	Si
1484	4X/2Y Ø8/14.4	2317	-24424	SLV 11	9346	30516	36765	2.5	13.17	3754	-20007	SLV 1	8285	27370	38957	2.5	7.29	Si
1513	4X/2Y Ø8/14.4	2317	-24315	SLV 11	9333	30516	36751	2.5	13.17	3754	-19898	SLV 1	8271	27370	38942	2.5	7.29	Si
1542	4X/2Y Ø8/10	2317	-24207	SLV 11	9319	38789	40134	2.2	16.74	3754	-19789	SLV 1	8256	38743	39497	2.45	10.32	Si
1571	4X/2Y Ø8/10	2317	-24098	SLV 11	9306	38789	40119	2.2	16.74	3754	-19680	SLV 1	8242	38743	39482	2.45	10.32	Si
1600	4X/2Y Ø8/10	2317	-23991	SLV 11	9292	38789	40104	2.2	16.74	3754	-19574	SLV 1	8227	38743	39467	2.45	10.32	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	491	-126084	SLD 11	19266	55098	50429	2.5	102.8	1493	-118920	SLD 1	19310	48385	55356	2.5	32.4	Si
-111	5X/2Y Ø8/10	491	-125954	SLD 11	19266	55098	50429	2.5	102.8	1493	-118790	SLD 1	19310	48385	55356	2.5	32.4	Si
-81	5X/2Y Ø8/10	491	-125822	SLD 11	19266	55098	50429	2.5	102.8	1493	-118658	SLD 1	19310	48385	55356	2.5	32.4	Si
-52	5X/2Y Ø8/10	491	-125689	SLD 11	19266	55098	50429	2.5	102.8	1493	-118525	SLD 1	19310	48385	55356	2.5	32.4	Si
-22	5X/2Y Ø8/15	491	-125557	SLD 11	19266	36732	50429	2.5	74.88	1493	-118393	SLD 1	19310	32257	55356	2.5	21.6	Si
7	5X/2Y Ø8/15	491	-125425	SLD 11	19266	36732	50429	2.5	74.88	1493	-118260	SLD 1	19310	32257	55356	2.5	21.6	Si
36	5X/2Y Ø8/15	491	-125292	SLD 11	19266	36732	50429	2.5	74.88	1493	-118128	SLD 1	19310	32257	55356	2.5	21.6	Si
66	5X/2Y Ø8/15	491	-125160	SLD 11	19266	36732	50429	2.5	74.88	1493	-117996	SLD 1	19310	32257	55356	2.5	21.6	Si
95	5X/2Y Ø8/15	491	-125028	SLD 11	19266	36732	50429	2.5	74.88	1493	-117863	SLD 1	19310	32257	55356	2.5	21.6	Si
125	5X/2Y Ø8/15	491	-124894	SLD 11	19266	36732	50429	2.5	74.88	1493	-117730	SLD 1	19310	32257	55356	2.5	21.6	Si
154	5X/2Y Ø8/15	491	-124763	SLD 11	19266	36732	50429	2.5	74.88	1493	-117599	SLD 1	19310	32257	55356	2.5	21.6	Si
184	5X/2Y Ø8/15	491	-124630	SLD 11	19266	36732	50429	2.5	74.88	1493	-117466	SLD 1	19310	32257	55356	2.5	21.6	Si
213	5X/2Y Ø8/15	491	-124500	SLD 11	19266	36732	50429	2.5	74.88	1493	-117336	SLD 1	19310	32257	55356	2.5	21.6	Si
242	5X/2Y Ø8/10	491	-124366	SLD 11	19266	55098	50429	2.5	102.8	1493	-117202	SLD 1	19310	48385	55356	2.5	32.4	Si
272	5X/2Y Ø8/10	491	-124233	SLD 11	19266	55098	50429	2.5	102.8	1493	-117069	SLD 1	19310	48385	55356	2.5	32.4	Si
301	5X/2Y Ø8/10	491	-124101	SLD 11	19266	55098	50429	2.5	102.8	1493	-116937	SLD 1	19310	48385	55356	2.5	32.4	Si
331	5X/2Y Ø8/10	491	-123969	SLD 11	19266	55098	50429	2.5	102.8	1493	-116805	SLD 1	19310	48385	55356	2.5	32.4	Si
360	5X/2Y Ø8/10	491	-123839	SLD 11	19266	55098	50429	2.5	102.8	1493	-116674	SLD 1	19310	48385	55356	2.5	32.4	Si
380	5X/2Y Ø8/10	-946	-93777	SLD 1	19242	55098	50429	2.5	53.3	1592	-95389	SLD 3	19310	48385	55356	2.5	30.39	Si
409	5X/2Y Ø8/10	-946	-93646	SLD 1	19225	55098	50429	2.5	53.3	1592	-95258	SLD 3	19310	48385	55356	2.5	30.39	Si
438	5X/2Y Ø8/10	-946	-93516	SLD 1	19209	55098	50429	2.5	53.3	1592	-95128	SLD 3	19310	48385	55356	2.5	30.39	Si
467	5X/2Y Ø8/14.4	-946	-93385	SLD 1	19193	38145	50429	2.5	40.31	1592	-94997	SLD 3	19310	33497	55356	2.5	21.04	Si
496	5X/2Y Ø8/14.4	-946	-93255	SLD 1	19177	38145	50429	2.5	40.31	1592	-94867	SLD 3	19310	33497	55356	2.5	21.04	Si
525	5X/2Y Ø8/14.4	-946	-93124	SLD 1	19160	38145	50429	2.5	40.31	1592	-94736	SLD 3	19310	33497	55356	2.5	21.04	Si
554	5X/2Y Ø8/14.4	-946	-92994	SLD 1	19144	38145	50429	2.5	40.31	1592	-94606	SLD 3	19310	33497	55356	2.5	21.04	Si
583	5X/2Y Ø8/14.4	-946	-92863	SLD 1	19128	38145	50429	2.5	40.31	1592	-94475	SLD 3	19310	33497	55356	2.5	21.04	Si
612	5X/2Y Ø8/10	-946	-92733	SLD 1	19112	55098	50429	2.5	53.3	1592	-94345	SLD 3	19310	48385	55356	2.5	30.39	Si
641	5X/2Y Ø8/10	-946	-92602	SLD 1	19095	55098	50429	2.5	53.3	1592	-94214	SLD 3	19310	48385	55356	2.5	30.39	Si
670	5X/2Y Ø8/10	-946	-92472	SLD 1	19079	55098	50429	2.5	53.3	1592	-94084	SLD 3	19310	48385	55356	2.5	30.39	Si
690	5X/2Y Ø8/10	-828	-69246	SLD 5	16188	55098	49262	2.5	59.53	1828	-69828	SLD 1	16010	48385	54157	2.5	26.46	Si
719	5X/2Y Ø8/10	-828	-69116	SLD 5	16171	55098	49245	2.5	59.51	1828	-69698	SLD 1	15992	48385	54139	2.5	26.46	Si
748	5X/2Y Ø8/10	-828	-68985	SLD 5	16155	55098	49228	2.5	59.49	1828	-69567	SLD 1	15974	48385	54120	2.5	26.46	Si
777	5X/2Y Ø8/14.4	-828	-68855	SLD 5	16139	38145	49211	2.5	46.09	1828	-69437	SLD 1	15956	33497	54102	2.5	18.32	Si
806	5X/2Y Ø8/14.4	-828	-68724	SLD 5	16123	38145	49195	2.5	46.09	1828	-69306	SLD 1	15939	33497	54083	2.5	18.32	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
835	5X/2Y Ø8/14.4	-828	-68594	SLD 5	16106	38145	49178	2.5	46.09	1828	-69176	SLD 1	15921	33497	54065	2.5	18.32	Si
864	5X/2Y Ø8/14.4	-828	-68463	SLD 5	16090	38145	49161	2.5	46.09	1828	-69045	SLD 1	15903	33497	54047	2.5	18.32	Si
893	5X/2Y Ø8/14.4	-828	-68333	SLD 5	16074	38145	49144	2.5	46.09	1828	-68915	SLD 1	15885	33497	54028	2.5	18.32	Si
922	5X/2Y Ø8/10	-828	-68202	SLD 5	16058	55098	49127	2.5	59.37	1828	-68784	SLD 1	15867	48385	54010	2.5	26.46	Si
951	5X/2Y Ø8/10	-828	-68072	SLD 5	16041	55098	49111	2.5	59.34	1828	-68654	SLD 1	15849	48385	53991	2.5	26.46	Si
980	5X/2Y Ø8/10	-828	-67944	SLD 5	16025	55098	49094	2.5	59.32	1828	-68525	SLD 1	15832	48385	53973	2.5	26.46	Si
1000	4X/2Y Ø8/10	-838	-45190	SLD 5	11931	44078	39440	2.5	47.05	1444	-46552	SLD 3	11843	39534	42637	2.5	27.38	Si
1029	4X/2Y Ø8/10	-838	-45081	SLD 5	11918	44078	39426	2.5	47.03	1444	-46444	SLD 3	11828	39534	42622	2.5	27.38	Si
1058	4X/2Y Ø8/10	-838	-44972	SLD 5	11904	44078	39412	2.5	47.02	1444	-46335	SLD 3	11813	39534	42607	2.5	27.38	Si
1087	4X/2Y Ø8/14.4	-838	-44863	SLD 5	11891	30516	39398	2.5	36.4	1444	-46226	SLD 3	11799	27370	42592	2.5	18.96	Si
1116	4X/2Y Ø8/14.4	-838	-44755	SLD 5	11877	30516	39384	2.5	36.4	1444	-46117	SLD 3	11784	27370	42577	2.5	18.96	Si
1145	4X/2Y Ø8/14.4	-838	-44646	SLD 5	11864	30516	39370	2.5	36.4	1444	-46009	SLD 3	11770	27370	42562	2.5	18.96	Si
1174	4X/2Y Ø8/14.4	-838	-44537	SLD 5	11850	30516	39356	2.5	36.4	1444	-45900	SLD 3	11755	27370	42547	2.5	18.96	Si
1203	4X/2Y Ø8/14.4	-838	-44428	SLD 5	11837	30516	39342	2.5	36.4	1444	-45791	SLD 3	11741	27370	42531	2.5	18.96	Si
1232	4X/2Y Ø8/10	-838	-44320	SLD 5	11823	44078	39328	2.5	46.92	1444	-45682	SLD 3	11726	39534	42516	2.5	27.38	Si
1261	4X/2Y Ø8/10	-838	-44211	SLD 5	11810	44078	39314	2.5	46.9	1444	-45574	SLD 3	11711	39534	42501	2.5	27.38	Si
1290	4X/2Y Ø8/10	-838	-44102	SLD 5	11796	44078	39300	2.5	46.88	1444	-45465	SLD 3	11697	39534	42486	2.5	27.38	Si
1310	4X/2Y Ø8/10	1363	-23584	SLD 11	9242	44078	36657	2.5	26.9	2115	-21752	SLD 1	8519	39534	39199	2.5	18.53	Si
1339	4X/2Y Ø8/10	1363	-23477	SLD 11	9228	44078	36643	2.5	26.89	2115	-21646	SLD 1	8505	39534	39185	2.5	18.53	Si
1368	4X/2Y Ø8/10	1363	-23369	SLD 11	9215	44078	36629	2.5	26.88	2115	-21537	SLD 1	8491	39534	39169	2.5	18.52	Si
1397	4X/2Y Ø8/14.4	1363	-23260	SLD 11	9201	30516	36615	2.5	22.39	2115	-21428	SLD 1	8476	27370	39154	2.5	12.94	Si
1426	4X/2Y Ø8/14.4	1363	-23151	SLD 11	9188	30516	36601	2.5	22.39	2115	-21319	SLD 1	8461	27370	39139	2.5	12.94	Si
1455	4X/2Y Ø8/14.4	1363	-23042	SLD 11	9174	30516	36587	2.5	22.39	2115	-21211	SLD 1	8447	27370	39124	2.5	12.94	Si
1484	4X/2Y Ø8/14.4	1363	-22934	SLD 11	9161	30516	36573	2.5	22.39	2115	-21102	SLD 1	8432	27370	39109	2.5	12.94	Si
1513	4X/2Y Ø8/14.4	1363	-22825	SLD 11	9147	30516	36559	2.5	22.39	2115	-20993	SLD 1	8418	27370	39094	2.5	12.94	Si
1542	4X/2Y Ø8/10	1363	-22716	SLD 11	9134	44078	36545	2.5	26.82	2115	-20884	SLD 1	8403	39534	39079	2.5	18.48	Si
1571	4X/2Y Ø8/10	1363	-22607	SLD 11	9120	44078	36531	2.5	26.81	2115	-20776	SLD 1	8389	39534	39064	2.5	18.47	Si
1600	4X/2Y Ø8/10	1363	-22500	SLD 11	9107	44078	36517	2.5	26.8	2115	-20669	SLD 1	8374	39534	39049	2.5	18.46	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	45111	-24766	-141123	SLE RA 13	-71.6	45111	-24766	-141123	SLE RA 13	-1055.5	Si
-111	41886	-23018	-140993	SLE RA 13	-71.2	41886	-23018	-140993	SLE RA 13	-1051.1	Si
-81	38605	-21240	-140860	SLE RA 13	-70.8	38605	-21240	-140860	SLE RA 13	-1046.7	Si
-52	35324	-19462	-140728	SLE RA 13	-70.4	35324	-19462	-140728	SLE RA 13	-1042.3	Si
-22	32043	-17683	-140596	SLE RA 13	-70	32043	-17683	-140596	SLE RA 13	-1037.8	Si
7	28762	-15905	-140463	SLE RA 13	-69.7	28762	-15905	-140463	SLE RA 13	-1033.4	Si
36	25481	-14127	-140331	SLE RA 13	-69.3	25481	-14127	-140331	SLE RA 13	-1029	Si
66	22200	-12348	-140199	SLE RA 13	-68.9	22200	-12348	-140199	SLE RA 13	-1024.5	Si
95	18919	-10570	-140066	SLE RA 13	-68.5	18919	-10570	-140066	SLE RA 13	-1020.1	Si
125	15606	-8774	-139933	SLE RA 13	-68.1	15606	-8774	-139933	SLE RA 13	-1015.6	Si
154	19135	-7645	-139709	SLE RA 12	-68.1	19135	-7645	-139709	SLE RA 12	-1015.1	Si
184	24256	-6704	-139577	SLE RA 12	-68.2	24256	-6704	-139577	SLE RA 12	-1016.3	Si
213	29301	-5778	-139446	SLE RA 12	-68.3	29301	-5778	-139446	SLE RA 12	-1017.5	Si
242	34499	-4823	-139312	SLE RA 12	-68.4	34499	-4823	-139312	SLE RA 12	-1018.8	Si
272	39620	-3883	-139180	SLE RA 12	-68.5	39620	-3883	-139180	SLE RA 12	-1020	Si
301	44742	-2942	-139047	SLE RA 12	-68.6	44742	-2942	-139047	SLE RA 12	-1021.2	Si
331	49863	-2002	-138915	SLE RA 12	-68.6	49863	-2002	-138915	SLE RA 12	-1022.4	Si
360	54897	-1077	-138785	SLE RA 12	-68.7	54897	-1077	-138785	SLE RA 12	-1023.6	Si
380	-239489	46645	-112043	SLE RA 13	-68.9	-239489	46645	-112043	SLE RA 13	-980.8	Si
409	-202306	37608	-111913	SLE RA 13	-66.3	-202306	37608	-111913	SLE RA 13	-950.2	Si
438	-165123	28572	-111782	SLE RA 13	-63.6	-165123	28572	-111782	SLE RA 13	-919.6	Si
467	-127939	19536	-111652	SLE RA 13	-61	-127939	19536	-111652	SLE RA 13	-888.9	Si
496	-90756	10500	-111521	SLE RA 13	-58.3	-90756	10500	-111521	SLE RA 13	-858.3	Si
525	-53573	1463	-111391	SLE RA 13	-55.7	-53573	1463	-111391	SLE RA 13	-827.6	Si
554	-16390	-7573	-111260	SLE RA 13	-54.4	-16390	-7573	-111260	SLE RA 13	-810.4	Si
583	28871	-17551	-111053	SLE RA 12	-55.8	28871	-17551	-111053	SLE RA 12	-825	Si
612	60039	-26572	-110923	SLE RA 12	-58.1	60039	-26572	-110923	SLE RA 12	-850.3	Si
641	95160	-34682	-110869	SLE RA 13	-60.4	95160	-34682	-110869	SLE RA 13	-877.6	Si
670	132343	-43718	-110738	SLE RA 13	-63	132343	-43718	-110738	SLE RA 13	-906.4	Si
690	-132852	38201	-84209	SLE RA 12	-49.9	-132852	38201	-84209	SLE RA 12	-712.4	Si
719	-104437	31340	-84078	SLE RA 12	-47.8	-104437	31340	-84078	SLE RA 12	-688.8	Si
748	-76022	24478	-83948	SLE RA 12	-45.8	-76022	24478	-83948	SLE RA 12	-665.2	Si
777	-47607	17617	-83817	SLE RA 12	-43.7	-47607	17617	-83817	SLE RA 12	-641.6	Si
806	-19192	10755	-83687	SLE RA 12	-41.7	-19192	10755	-83687	SLE RA 12	-618	Si
835	13074	4078	-83612	SLE RA 13	-40.8	13074	4078	-83612	SLE RA 13	-608	Si
864	40618	-2440	-83482	SLE RA 13	-41.9	40618	-2440	-83482	SLE RA 13	-621.7	Si
893	68163	-8959	-83351	SLE RA 13	-43.7	68163	-8959	-83351	SLE RA 13	-642.7	Si
922	94469	-16691	-83165	SLE RA 12	-45.6	95707	-15478	-83221	SLE RA 13	-663.6	Si
951	122885	-23552	-83034	SLE RA 12	-47.4	122885	-23552	-83034	SLE RA 12	-683.9	Si
980	150810	-30295	-82906	SLE RA 12	-46.7	150810	-30295	-82906	SLE RA 12	-669.8	Si
1000	-114518	38245	-56276	SLE RA 13	-43	-114518	38245	-56276	SLE RA 13	-598.5	Si
1029	-92493	27676	-56167	SLE RA 13	-41.1	-92493	27676	-56167	SLE RA 13	-580	Si
1058	-70467	17108	-56058	SLE RA 13	-38.9	-70467	17108	-56058	SLE RA 13	-558.2	Si
1087	-48442	6539	-55949	SLE RA 13	-36.2	-48442	6539	-55949	SLE RA 13	-528.1	Si
1116	-26417	-4029	-55841	SLE RA 13	-34.3	-26417	-4029	-55841	SLE RA 13	-506.7	Si
1145	-4392	-14597	-55732	SLE RA 13	-33.9	-4392	-14597	-55732	SLE RA 13	-499.3	Si
1174	17743	-25492	-55585	SLE RA 12	-36	17743	-25492	-55585	SLE RA 12	-520.4	Si
1203	39624	-36163	-55477	SLE RA 12	-38.6	39624	-36163	-55477	SLE RA 12	-548.6	Si
1232	61505	-46834	-55368	SLE RA 12	-41.2	61505	-46834	-55368	SLE RA 12	-576.8	Si
1261	83385	-57506	-55259	SLE RA 12	-43.8	83385	-57506	-55259	SLE RA 12	-604.9	Si
1290	105266	-68177	-55150	SLE RA 12	-46.4	105266	-68177	-55150	SLE RA 12	-633.1	Si
1310	-164389	-56565	-28655	SLE RA 13	-34	-164389	-56565	-28655	SLE RA 13	-440.2	Si
1339	-126909	-31149	-28548	SLE RA 13	-28.5	-126909	-31149	-28548	SLE RA 13	-381.8	Si
1368	-88772	-5287	-28439	SLE RA 13	-23	-88772	-5287	-28439	SLE RA 13	-322.4	Si
1397	-50753	20648	-28309	SLE RA 12	-22	-50635	20574	-28330	SLE RA 13	-307	Si
1426	-12497	46436	-28221	SLE RA 13	-22.2	-12497	46436	-28221	SLE RA 13	-302.9	Si
1455	25640	72298	-28113	SLE RA 13	-25.9	25640	72298	-28113	SLE RA 13	-340.2	Si
1484	63777	98160	-28004	SLE RA 13	-31.3	63777	98160	-28004	SLE RA 13	-397.8	Si
1513	101915	124022	-27895	SLE RA 13	-36.7	101915	124022	-27895	SLE RA 13	-455.3	Si
1542	140052	149884	-27786	SLE RA 13	-42.1	140052	149884	-27786	SLE RA 13	-512.8	Si
1571	178189	175746	-27678	SLE RA 13	-51	178189	175746	-27678	SLE RA 13	-602.2	Si
1600	215669	201162	-27571	SLE RA 13	-55.3	215669	201162	-27571	SLE RA 13	-641.6	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²

Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	-25112	-17506	-122097	SLE QP 2	-60.9	Si
-111	-21319	-16501	-121967	SLE QP 2	-60.6	Si
-81	-17460	-15478	-121835	SLE QP 2	-60.2	Si
-52	-13602	-14455	-121702	SLE QP 2	-59.9	Si
-22	-9744	-13432	-121570	SLE QP 2	-59.5	Si
7	-5885	-12409	-121438	SLE QP 2	-59.2	Si
36	-2027	-11386	-121305	SLE QP 2	-58.9	Si
66	1831	-10363	-121173	SLE QP 2	-58.7	Si
95	5690	-9340	-121041	SLE QP 2	-58.7	Si
125	9587	-8307	-120907	SLE QP 2	-58.7	Si
154	13406	-7294	-120776	SLE QP 2	-58.8	Si
184	17265	-6271	-120644	SLE QP 2	-58.8	Si
213	21065	-5264	-120513	SLE QP 2	-58.8	Si
242	24981	-4225	-120379	SLE QP 2	-58.8	Si
272	28840	-3202	-120247	SLE QP 2	-58.9	Si
301	32698	-2179	-120114	SLE QP 2	-58.9	Si
331	36556	-1157	-119982	SLE QP 2	-58.9	Si
360	40349	-151	-119852	SLE QP 2	-59	Si
380	-154377	38805	-96279	SLE QP 2	-56.7	Si
409	-129041	31091	-96149	SLE QP 2	-54.7	Si
438	-103705	23378	-96018	SLE QP 2	-52.7	Si
467	-78369	15664	-95888	SLE QP 2	-50.8	Si
496	-53033	7951	-95757	SLE QP 2	-48.8	Si
525	-27696	237	-95627	SLE QP 2	-46.8	Si
554	-2360	-7476	-95496	SLE QP 2	-46.2	Si
583	22976	-15190	-95366	SLE QP 2	-47.9	Si
612	48312	-22903	-95235	SLE QP 2	-49.7	Si
641	73648	-30617	-95105	SLE QP 2	-51.5	Si
670	98984	-38330	-94974	SLE QP 2	-53.4	Si
690	-107812	32896	-71712	SLE QP 2	-42.2	Si
719	-84978	26935	-71581	SLE QP 2	-40.5	Si
748	-62145	20973	-71451	SLE QP 2	-38.9	Si
777	-39311	15011	-71320	SLE QP 2	-37.2	Si
806	-16477	9049	-71190	SLE QP 2	-35.5	Si
835	6356	3088	-71059	SLE QP 2	-34.4	Si
864	29190	-2874	-70929	SLE QP 2	-35.4	Si
893	52023	-8836	-70798	SLE QP 2	-37	Si
922	74857	-14797	-70668	SLE QP 2	-38.5	Si
951	97691	-20759	-70537	SLE QP 2	-40	Si
980	120131	-26618	-70409	SLE QP 2	-39.4	Si
1000	-91223	32941	-46943	SLE QP 2	-35.7	Si
1029	-73519	23917	-46834	SLE QP 2	-34.1	Si
1058	-55815	14894	-46725	SLE QP 2	-32.3	Si
1087	-38111	5870	-46617	SLE QP 2	-30	Si
1116	-20407	-3153	-46508	SLE QP 2	-28.5	Si
1145	-2703	-12177	-46399	SLE QP 2	-28.2	Si
1174	15001	-21200	-46290	SLE QP 2	-30	Si
1203	32705	-30224	-46182	SLE QP 2	-32.1	Si
1232	50409	-39247	-46073	SLE QP 2	-34.3	Si
1261	68113	-48271	-45964	SLE QP 2	-36.4	Si
1290	85817	-57294	-45855	SLE QP 2	-38.6	Si
1310	-131008	-45080	-22532	SLE QP 2	-26.9	Si
1339	-101034	-24335	-22425	SLE QP 2	-22.5	Si
1368	-70534	-3226	-22316	SLE QP 2	-18	Si
1397	-40034	17883	-22208	SLE QP 2	-17.5	Si
1426	-9534	38991	-22099	SLE QP 2	-17.7	Si
1455	20966	60100	-21990	SLE QP 2	-20.7	Si
1484	51466	81209	-21881	SLE QP 2	-25.1	Si
1513	81967	102318	-21773	SLE QP 2	-29.4	Si
1542	112467	123427	-21664	SLE QP 2	-33.8	Si
1571	142967	144535	-21555	SLE QP 2	-38.2	Si
1600	172941	165280	-21448	SLE QP 2	-45	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

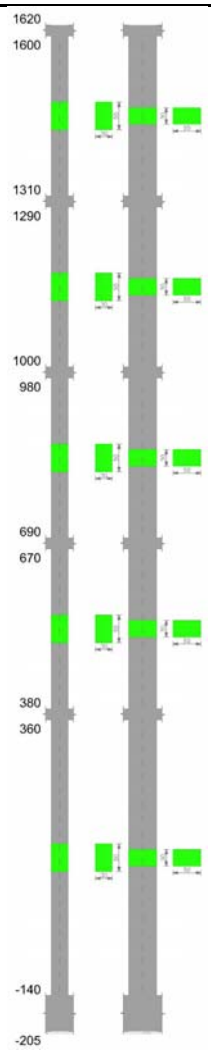
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 370 in quanto nodo interno a piastra.

Pilastro 34A

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x50	No	No	No	No		C30/37	B450C	
380	670	R 30x50	No	No	No	No		C30/37	B450C	
690	980	R 30x50	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.67	-19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.67	19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.67	19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.9	-6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.9	6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.9	-6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.9	6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.2	-9.67	-19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.67	-19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.67	19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.67	19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.9	-6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.9	6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.9	-6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.9	6.9	1.6	2.011	-140	380	R 30x50	B450C
p.3	-9.67	-19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	9.67	-19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	9.67	19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.67	19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.9	-6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.9	6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	9.9	-6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	9.9	6.9	1.6	2.011	380	690	R 30x50	B450C
p.4	-9.67	-19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.67	-19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.67	19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.67	19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.9	-6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.9	6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.9	-6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.9	6.9	1.6	2.011	690	1000	R 30x50	B450C
p.5	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.5	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.5	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.6	-9.67	-19.67	1.6	2.011	1310.1	1620	R 30x50	B450C
p.6	9.67	-19.67	1.6	2.011	1310.1	1620	R 30x50	B450C
p.6	9.67	19.67	1.6	2.011	1310.1	1620	R 30x50	B450C
p.6	-9.67	19.67	1.6	2.011	1310.1	1620	R 30x50	B450C
p.7	-9.9	-6.9	1.6	2.011	1310.1	1620	R 30x50	B450C
p.7	-9.9	6.9	1.6	2.011	1310.1	1620	R 30x50	B450C
p.7	9.9	-6.9	1.6	2.011	1310.1	1620	R 30x50	B450C
p.7	9.9	6.9	1.6	2.011	1310.1	1620	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2.1	0	1,2	-270569	270569	-99749	-667210	667210	SLU 52	2.466	Si
-111	16.08	2.1	0	1,2	-270186	270186	-99608	-667210	667210	SLU 52	2.469	Si
-81	16.08	1.1	0	2	-269797	269797	-99464	-667210	667210	SLU 52	2.473	Si
-52	16.08	1.1	0	2	-269408	269408	-99321	-667210	667210	SLU 52	2.477	Si
-22	16.08	1.1	0	2	-269019	269019	-99178	-667210	667210	SLU 52	2.48	Si
7	16.08	1.1	0	2	-268631	268631	-99034	-667210	667210	SLU 52	2.484	Si
36	16.08	1.1	0	2	-268242	268242	-98891	-667210	667210	SLU 52	2.487	Si
66	16.08	1.1	0	2	-267853	267853	-98748	-667210	667210	SLU 52	2.491	Si
95	16.08	1.1	0	2	-267464	267464	-98604	-667210	667210	SLU 52	2.495	Si
125	16.08	1.1	0	2	-267071	267071	-98459	-667210	667210	SLU 52	2.498	Si
154	16.08	1.1	0	2	-266686	266686	-98317	-667210	667210	SLU 52	2.502	Si
184	16.08	1.1	0	2	-266297	266297	-98174	-667210	667210	SLU 52	2.506	Si
213	16.08	1.1	0	2	-265914	265914	-98033	-667210	667210	SLU 52	2.509	Si
242	16.08	1.1	0	2	265519	265519	-97887	667210	667210	SLU 52	2.513	Si
272	16.08	1.1	0	2	265130	265130	-97744	667210	667210	SLU 52	2.517	Si
301	16.08	1.1	0	2	264741	264741	-97600	667210	667210	SLU 52	2.52	Si
331	16.08	1.1	0	2	264352	264352	-97457	667210	667210	SLU 52	2.524	Si
360	16.08	1.1	0	2	263970	263970	-97316	667210	667210	SLU 52	2.528	Si
380	16.08	2.1	0	2,3	158498	-297219	-79249	461927	-866215	SLU 51	2.914	Si
409	16.08	2.1	0	2,3	158216	-247717	-79108	485656	-760388	SLU 51	3.07	Si
438	16.08	1.1	0	3	157933	-198214	-78966	510288	-640437	SLU 51	3.231	Si
467	16.08	1.1	0	3	157658	-157658	-78829	530708	-530708	SLU 52	3.366	Si
496	16.08	1.1	0	3	157375	-157375	-78687	530708	-530708	SLU 52	3.372	Si
525	16.08	1.1	0	3	157092	-157092	-78546	530708	-530708	SLU 52	3.378	Si
554	16.08	1.1	0	3	-156809	156809	-78405	-530708	530708	SLU 52	3.384	Si
583	16.08	1.1	0	3	-156527	156527	-78263	-530708	530708	SLU 52	3.391	Si
612	16.08	1.1	0	3	-156244	156244	-78122	-530708	530708	SLU 52	3.397	Si
641	16.08	1.1	0	3	-155961	155961	-77981	-530708	530708	SLU 52	3.403	Si
670	16.08	1.1	0	3	-155671	197809	-77835	-508975	646748	SLU 51	3.27	Si
690	16.08	2.1	0	3,4	119679	-137602	-59840	518822	-596519	SLU 52	4.335	Si
719	16.08	2.1	0	3,4	119401	-119401	-59701	530708	-530708	SLU 52	4.445	Si
748	16.08	1.1	0	4	119119	-119119	-59559	530708	-530708	SLU 52	4.455	Si
777	16.08	1.1	0	4	118836	-118836	-59418	530708	-530708	SLU 52	4.466	Si
806	16.08	1.1	0	4	118553	-118553	-59277	530708	-530708	SLU 52	4.477	Si
835	16.08	1.1	0	4	-118270	118270	-59135	-530708	530708	SLU 52	4.487	Si
864	16.08	1.1	0	4	-117988	117988	-58994	-530708	530708	SLU 52	4.498	Si
893	16.08	1.1	0	4	-117705	117705	-58852	-530708	530708	SLU 52	4.509	Si
922	16.08	1.1	0	4	-117422	117422	-58711	-530708	530708	SLU 52	4.52	Si
951	16.08	1.1	0	4	-117113	138497	-58556	-516283	610555	SLU 51	4.408	Si
980	16.08	1.1	0	4	-116861	168386	-58431	-495230	713578	SLU 52	4.238	Si
1000	16.08	2.1	0	4,5	80691	-174475	-40345	440688	-952888	SLU 51	5.461	Si
1029	16.08	2.1	0	4,5	80408	-140706	-40204	471660	-825359	SLU 51	5.866	Si
1058	16.08	1.1	0	5	-80125	-106937	-40063	-503734	-672294	SLU 51	6.287	Si
1087	16.08	1.1	0	5	-79865	-79865	-39932	-530708	-530708	SLU 52	6.645	Si
1116	16.08	1.1	0	5	-79582	-79582	-39791	-530708	-530708	SLU 52	6.669	Si
1145	16.08	1.1	0	5	-79299	-79299	-39650	-530708	-530708	SLU 52	6.692	Si
1174	16.08	1.1	0	5	-79017	79017	-39508	-530708	530708	SLU 52	6.716	Si
1203	16.08	1.1	0	5	-78734	78734	-39367	-530708	530708	SLU 52	6.741	Si
1232	16.08	1.1	0	5	-78429	95679	-39214	-513186	626063	SLU 51	6.543	Si
1261	16.08	1.1	0	5	-78146	129449	-39073	-478945	793372	SLU 51	6.129	Si
1290	16.08	1.1	0	5	-77863	163218	-38932	-445513	933891	SLU 51	5.722	Si
1310	16.08	1.1	0	5	-67844	-204145	-20527	-448951	-1350914	SLU 51	6.617	Si
1339	16.05	2.1	0	5,6,7	-48105	-156744	-20388	-390958	-1273872	SLU 51	8.127	Si
1368	16.08	1.1	0	6,7	-40493	-108510	-20246	-404744	-1084614	SLU 51	9.996	Si
1397	16.08	1.1	0	6,7	-40233	-60192	-20116	-490948	-734505	SLU 52	12.203	Si
1426	16.08	1.1	0	6,7	39950	-39950	-19975	530708	-530708	SLU 52	13.284	Si
1455	16.08	1.1	0	6,7	39667	39667	-19834	530708	530708	SLU 52	13.379	Si
1484	16.08	1.1	0	6,7	52318	84423	-19681	577528	931927	SLU 51	11.039	Si
1513	16.08	1.1	0	6,7	72403	132657	-19539	635281	1163960	SLU 51	8.774	Si
1542	16.08	1.1	0	6,7	92488	180890	-19398	648622	1268591	SLU 51	7.013	Si
1571	16.08	1.1	0	6,7	112573	229123	-19257	642935	1308591	SLU 51	5.711	Si
1600	22.11	2.1	0	6,7	132657	277357	-19115	717366	1499851	SLU 51	5.408	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	16.08	2.1	0	1,2	965023	338204	-54086	-2.02	1.92	1366895	479045	SLV 1	1.416				Si
-111	16.08	2.1	0	1,2	896963	307726	-53978	-2.02	1.92	1385696	475398	SLV 1	1.545				Si
-81	16.08	1.1	0	2	827787	282795	-53868	-2.02	1.92	1395960	476899	SLV 1	1.686				Si
-52	16.08	1.1	0	2	758689	257863	-53757	-2.02	1.92	1403567	477044	SLV 1	1.85				Si
-22	16.08	1.1	0	2	689701	232929	-53647	-2.02	1.92	1406768	475100	SLV 1	2.04				Si
7	16.08	1.1	0	2	620849	207992	-53537	-2.02	1.92	1402063	469710	SLV 1	2.258				Si
36	16.08	1.1	0	2	552184	183053	-53426	-2.02	1.92	1384583	458999	SLV 1	2.507				Si
66	16.08	1.1	0	2	483814	158107	-53316	-2.02	1.92	1349712	441077	SLV 1	2.79				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
95	16.08	1.1	0	2	-466072	-5482	-67000	-2.02	1.92	-1416187	-16656	SLV 15	3.039				Si
125	16.08	1.1	0	2	-385665	12169	-66889	-2.02	1.92	-1246032	39315	SLV 15	3.231				Si
154	16.08	1.1	0	2	-308119	29420	-66780	-2.02	1.92	-1048017	100066	SLV 15	3.401				Si
184	16.08	1.1	0	2	-232136	46078	-66669	-2.02	1.92	-830987	164946	SLV 15	3.58				Si
213	16.08	1.1	0	2	-162207	67845	-66561	-2.02	1.92	-603055	252233	SLV 15	3.718				Si
242	16.08	1.1	0	2	-107466	87170	-66449	-2.02	1.92	-408849	331635	SLV 15	3.804				Si
272	16.08	1.1	0	2	-76186	107056	-66339	-2.02	1.92	-289242	406440	SLV 15	3.797				Si
301	16.08	1.1	0	2	-73090	127171	-66228	-2.02	1.92	-270256	470222	SLV 15	3.698				Si
331	16.08	1.1	0	2	163071	147379	-66118	-2.02	1.92	548167	495418	SLV 15	3.362				Si
360	16.08	1.1	0	2	299888	167283	-66010	-2.02	1.92	888463	495601	SLV 15	2.963				Si
380	16.08	2.1	0	2,3	-227494	-321610	-53486	-2.02	1.92	-627405	-886965	SLV 15	2.758				Si
409	16.08	2.1	0	2,3	-196164	-265706	-53377	-2.02	1.92	-610738	-827250	SLV 15	3.113				Si
438	16.08	1.1	0	3	-169464	-209902	-53269	-2.02	1.92	-592036	-733308	SLV 15	3.494				Si
467	16.08	1.1	0	3	-150071	-154317	-53160	-2.02	1.92	-582792	-599283	SLV 15	3.883				Si
496	16.08	1.1	0	3	-141395	-99372	-53051	-2.02	1.92	-604494	-424837	SLV 15	4.275				Si
525	16.08	1.1	0	3	-57858	-48139	-52942	-2.02	1.92	-296757	-246911	SLV 15	5.129				Si
554	16.08	1.1	0	3	155412	15857	-52834	-2.02	1.92	748238	76345	SLV 15	4.815				Si
583	16.08	1.1	0	3	176819	66799	-52725	-2.02	1.92	770593	291116	SLV 15	4.358				Si
612	16.08	1.1	0	3	204802	119865	-52616	-2.02	1.92	802497	469681	SLV 15	3.918				Si
641	16.08	1.1	0	3	236934	184870	-52507	-2.02	1.92	816123	636789	SLV 15	3.445				Si
670	16.08	1.1	0	3	271698	240720	-52399	-2.02	1.92	828625	734148	SLV 15	3.05				Si
690	16.08	2.1	0	3,4	-196559	-201123	-40267	-2.02	1.92	-764882	-782640	SLV 15	3.891				Si
719	16.08	2.1	0	3,4	203878	-146371	-38546	-2.02	1.92	899394	-645708	SLV 13	4.411				Si
748	16.08	1.1	0	4	182166	-106196	-38437	-2.02	1.92	901244	-525394	SLV 13	4.947				Si
777	16.08	1.1	0	4	169759	-66189	-38328	-2.02	1.92	927037	-361449	SLV 13	5.461				Si
806	16.08	1.1	0	4	163257	-31984	-39834	-2.02	1.92	935284	-183234	SLV 15	5.729				Si
835	16.08	1.1	0	4	178204	15533	-39725	-2.02	1.92	1030033	89779	SLV 15	5.78				Si
864	16.08	1.1	0	4	197166	56404	-39616	-2.02	1.92	1034986	296080	SLV 15	5.249				Si
893	16.08	1.1	0	4	222671	96209	-39508	-2.02	1.92	1050363	453831	SLV 15	4.717				Si
922	16.08	1.1	0	4	252565	136350	-39399	-2.02	1.92	1058250	571306	SLV 15	4.19				Si
951	16.08	1.1	0	4	285396	176710	-39290	-2.02	1.92	1053685	652416	SLV 15	3.692				Si
980	16.08	1.1	0	4	319622	231752	-39183	-2.02	1.92	1005838	729315	SLV 15	3.147				Si
1000	16.08	2.1	0	4,5	202751	-228976	-25664	-2.02	1.92	773211	-873220	SLV 13	3.814				Si
1029	16.08	2.1	0	4,5	178594	-183473	-25555	-2.02	1.92	820352	-842766	SLV 13	4.593				Si
1058	16.08	1.1	0	5	161950	-138046	-25446	-2.02	1.92	893401	-761534	SLV 13	5.517				Si
1087	16.08	1.1	0	5	154775	-85608	-26568	-2.02	1.92	1010309	-558818	SLV 15	6.528				Si
1116	16.08	1.1	0	5	157965	-44019	-26459	-2.02	1.92	1158084	-322712	SLV 15	7.331				Si
1145	16.08	1.1	0	5	170761	9829	-26350	-2.02	1.92	1331900	76661	SLV 15	7.8				Si
1174	16.08	1.1	0	5	191188	47219	-26241	-2.02	1.92	1304102	322084	SLV 15	6.821				Si
1203	16.08	1.1	0	5	217086	87954	-26133	-2.02	1.92	1249147	506100	SLV 15	5.754				Si
1232	16.08	1.1	0	5	246733	127239	-26024	-2.02	1.92	1187763	612525	SLV 15	4.814				Si
1261	16.08	1.1	0	5	278942	169517	-25915	-2.02	1.92	1114010	677001	SLV 15	3.994				Si
1290	16.08	1.1	0	5	312930	211831	-25806	-2.02	1.92	1047885	709343	SLV 15	3.349				Si
1310	16.08	1.1	0	5	101939	-212652	-12637	-2.02	1.92	476893	-994840	SLV 13	4.678				Si
1339	16.05	2.1	0	5,6,7	99161	-161437	-12530	-2.02	1.92	584809	-952090	SLV 13	5.898				Si
1368	16.08	1.1	0	6,7	99752	-115898	-13271	-2.02	1.92	758443	-881207	SLV 15	7.603				Si
1397	16.08	1.1	0	6,7	110585	-61022	-13162	-2.02	1.92	1135803	-626748	SLV 15	10.271				Si
1426	16.08	1.1	0	6,7	128262	-2512	-13054	-2.02	1.92	1686845	-33038	SLV 15	13.152				Si
1455	16.08	1.1	0	6,7	153861	47137	-12945	-2.02	1.92	1439633	441048	SLV 15	9.357				Si
1484	16.08	1.1	0	6,7	185139	99212	-12836	-2.02	1.92	1168197	626013	SLV 15	6.31				Si
1513	16.08	1.1	0	6,7	220159	162647	-12727	-2.02	1.92	960712	709745	SLV 15	4.364				Si
1542	16.08	1.1	0	6,7	257676	218121	-12619	-2.02	1.92	864403	731713	SLV 15	3.355				Si
1571	16.08	1.1	0	6,7	296905	273622	-12510	-2.02	1.92	752702	693675	SLV 15	2.535				Si
1600	22.11	2.1	0	6,7	337341	329137	-12401	-2.02	1.92	861872	840911	SLV 15	2.555				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2.1	0	1,2	332053	189279	-58290	992531	565768	SLD 1	2.989	Si
-111	16.08	2.1	0	1,2	309063	175049	-58182	962281	545023	SLD 1	3.114	Si
-81	16.08	1.1	0	2	285702	163026	-58072	923907	527196	SLD 1	3.234	Si
-52	16.08	1.1	0	2	-319110	77134	-62866	-1064814	257383	SLD 11	3.337	Si
-22	16.08	1.1	0	2	-288052	74111	-62755	-991493	255093	SLD 11	3.442	Si
7	16.08	1.1	0	2	-257031	71096	-62645	-913364	252640	SLD 11	3.554	Si
36	16.08	1.1	0	2	-226063	68094	-62535	-830045	250025	SLD 11	3.672	Si
66	16.08	1.1	0	2	-232255	32257	-62906	-881641	122449	SLD 15	3.796	Si
95	16.08	1.1	0	2	-197143	36798	-62796	-771419	143991	SLD 15	3.913	Si
125	16.08	1.1	0	2	-161969	41384	-62685	-653541	166984	SLD 15	4.035	Si
154	16.08	1.1	0	2	-128061	45835	-62576	-532291	190516	SLD 15	4.157	Si
184	16.08	1.1	0	2	-94862	49915	-62465	-406007	213635	SLD 15	4.28	Si
213	16.08	1.1	0	2	-64357	56774	-62357	-280488	247438	SLD 15	4.358	Si
242	16.08	1.1	0	2	-40320	61980	-62245	-176042	270615	SLD 15	4.366	Si
272	16.08	1.1	0	2	-24319	67498	-62134	-106367	295228	SLD 15	4.374	Si
301	16.08	1.1	0	2	-18567	73117	-62024	-81353	320377	SLD 15	4.382	Si
331	16.08	1.1	0	2	80154	78779	-61914	334702	328958	SLD 15	4.176	Si
360	16.08	1.1	0	2	138008	84362	-61805	542250	331468	SLD 15	3.929	Si
380	16.08	2.1	0	2,3	-83180	-234003	-50246	-309624	-871040	SLD 15	3.722	Si
409	16.08	2.1	0	2,3	-72825	-194194	-50137	-293419	-782429	SLD 15	4.029	Si
438	16.08	1.1	0	3	-64291	-154442	-50028	-279951	-672509	SLD 15	4.354	Si
467	16.08	1.1	0	3	-58574	-114815	-49920	-276042	-541090	SLD 15	4.713	Si
496	16.08	1.1	0	3	-56917	-75533	-49811	-290701	-385783	SLD 15	5.107	Si
525	16.08	1.1	0	3	-23454	-38008	-49702	-128243	-207824	SLD 15	5.468	Si
554	16.08	1.1	0	3	60518	6347	-49593	331633	34781	SLD 15	5.48	Si
583	16.08	1.1	0	3	66723	43953	-49485	361166	237913	SLD 15	5.413	Si
612	16.08	1.1	0	3	75572	82613	-49376	375494	410479	SLD 15	4.969	Si
641	16.08	1.1	0	3	86126	126227	-49267	390741	572671	SLD 15	4.537	Si
670	16.08	1.1	0	3	97778	166008	-49158	409818	695794	SLD 15	4.191	Si
690	16.08	2.1	0	3,4	-72943	-126958	-37756	-399530	-695390	SLD 15	5.477	Si
719	16.08	2.1	0	3,4	85485	-94604	-37009	503004	-556658	SLD 13	5.884	Si
748	16.08	1.1	0	4	75463	-68102	-36901	480398	-433539	SLD 13	6.366	Si
777	16.08	1.1	0	4	69122	-41695	-36792	475779	-286995	SLD 13	6.883	Si
806	16.08	1.1	0	4	64762	-18069	-37323	471202	-131470	SLD 15	7.276	Si
835	16.08	1.1	0	4	69372	12113	-37214	506611	88458	SLD 15	7.303	Si
864	16.08	1.1	0	4	75194	38925	-37106	512681	265395	SLD 15	6.818	Si
893	16.08	1.1	0	4	83595	65232	-36997	528649	412523	SLD 15	6.324	Si
922	16.08	1.1	0	4	93757	91723	-36888	550601	538655	SLD 15	5.873	Si
951	16.08	1.1	0	4	105108	118311	-36779	573887	645972	SLD 15	5.46	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
980	16.08	1.1	0	4	117061	150475	-36672	585497	752622	SLD 15	5.002	Si
1000	16.08	2.1	0	4,5	80021	-152996	-24691	492285	-941225	SLD 13	6.152	Si
1029	16.08	2.1	0	4,5	69444	-122844	-24582	487312	-862041	SLD 13	7.017	Si
1058	16.08	1.1	0	5	61726	-92729	-24473	490028	-736161	SLD 13	7.939	Si
1087	16.08	1.1	0	5	57558	-59587	-24858	510996	-529007	SLD 15	8.878	Si
1116	16.08	1.1	0	5	57258	-31070	-24749	564744	-306441	SLD 15	9.863	Si
1145	16.08	1.1	0	5	-91409	-7412	-22412	-963562	-78127	SLD 1	10.541	Si
1174	16.08	1.1	0	5	66884	29553	-24532	652693	288399	SLD 15	9.759	Si
1203	16.08	1.1	0	5	75391	57708	-24423	657918	503609	SLD 15	8.727	Si
1232	16.08	1.1	0	5	85461	85370	-24314	667668	666960	SLD 15	7.813	Si
1261	16.08	1.1	0	5	96622	114222	-24205	668710	790524	SLD 15	6.921	Si
1290	16.08	1.1	0	5	108551	143091	-24097	661338	871775	SLD 15	6.092	Si
1310	16.08	1.1	0	5	-81527	-138841	-12528	-570820	-972105	SLD 11	7.002	Si
1339	16.05	2.1	0	5,6,7	-60270	-107102	-12421	-552282	-981423	SLD 11	9.163	Si
1368	16.08	1.1	0	6,7	29345	-84894	-12260	352466	-1019658	SLD 15	12.011	Si
1397	16.08	1.1	0	6,7	40830	-47074	-12151	623685	-719055	SLD 15	15.275	Si
1426	16.08	1.1	0	6,7	54853	-7475	-12042	1025566	-139762	SLD 15	18.697	Si
1455	16.08	1.1	0	6,7	72359	28114	-11934	1111700	431930	SLD 15	15.364	Si
1484	16.08	1.1	0	6,7	92632	64771	-11825	1017697	711607	SLD 15	10.986	Si
1513	16.08	1.1	0	6,7	114782	106074	-11716	878091	811478	SLD 15	7.65	Si
1542	16.08	1.1	0	6,7	138175	144159	-11607	794872	829299	SLD 15	5.753	Si
1571	16.08	1.1	0	6,7	162408	182257	-11499	742734	833507	SLD 15	4.573	Si
1600	22.11	2.1	0	6,7	187225	220361	-11390	814075	958156	SLD 15	4.348	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	-193	-99337	SLU 49	12805	42315	43268	2.4	219.45	452	-80009	SLU 42	12600	39534	45230	2.5	87.5	Si
-111	4X/2Y Ø8/10	-193	-99196	SLU 49	12805	42315	43268	2.4	219.45	452	-79868	SLU 42	12600	39534	45230	2.5	87.5	Si
-81	4X/2Y Ø8/10	-193	-99053	SLU 49	12805	42315	43268	2.4	219.45	452	-79724	SLU 42	12600	39534	45230	2.5	87.5	Si
-52	4X/2Y Ø8/10	-193	-98909	SLU 49	12805	42315	43268	2.4	219.45	452	-79581	SLU 42	12600	39534	45230	2.5	87.5	Si
-22	4X/2Y Ø8/15	-193	-98766	SLU 49	12805	29386	42024	2.5	152.39	452	-79438	SLU 42	12600	26356	45230	2.5	58.33	Si
7	4X/2Y Ø8/15	-193	-98622	SLU 49	12805	29386	42024	2.5	152.39	452	-79294	SLU 42	12600	26356	45230	2.5	58.33	Si
36	4X/2Y Ø8/15	-193	-98479	SLU 49	12805	29386	42024	2.5	152.39	452	-79151	SLU 42	12600	26356	45230	2.5	58.33	Si
66	4X/2Y Ø8/15	-193	-98336	SLU 49	12805	29386	42024	2.5	152.39	452	-79008	SLU 42	12600	26356	45230	2.5	58.33	Si
95	4X/2Y Ø8/15	-193	-98192	SLU 49	12805	29386	42024	2.5	152.39	452	-78864	SLU 42	12600	26356	45230	2.5	58.33	Si
125	4X/2Y Ø8/15	-193	-98048	SLU 49	12805	29386	42024	2.5	152.39	452	-78719	SLU 42	12600	26356	45230	2.5	58.33	Si
154	4X/2Y Ø8/15	-193	-97906	SLU 49	12805	29386	42024	2.5	152.39	452	-78577	SLU 42	12600	26356	45230	2.5	58.33	Si
184	4X/2Y Ø8/15	-193	-97762	SLU 49	12805	29386	42024	2.5	152.39	452	-78434	SLU 42	12600	26356	45230	2.5	58.33	Si
213	4X/2Y Ø8/15	-193	-97621	SLU 49	12805	29386	42024	2.5	152.39	452	-78293	SLU 42	12600	26356	45230	2.5	58.33	Si
242	4X/2Y Ø8/10	-193	-97475	SLU 49	12805	42315	43268	2.4	219.45	452	-78147	SLU 42	12600	39534	45230	2.5	87.5	Si
272	4X/2Y Ø8/10	-193	-97332	SLU 49	12805	42315	43268	2.4	219.45	452	-78004	SLU 42	12600	39534	45230	2.5	87.5	Si
301	4X/2Y Ø8/10	-193	-97189	SLU 49	12805	42315	43268	2.4	219.45	452	-77860	SLU 42	12600	39534	45230	2.5	87.5	Si
331	4X/2Y Ø8/10	-193	-97045	SLU 49	12805	42315	43268	2.4	219.45	452	-77717	SLU 42	12600	39534	45230	2.5	87.5	Si
360	4X/2Y Ø8/10	-193	-96904	SLU 49	12805	42315	43268	2.4	219.45	452	-77576	SLU 42	12600	39534	45230	2.5	87.5	Si
380	4X/2Y Ø8/10	1707	-79249	SLU 51	12805	42315	43268	2.4	24.79	-381	-64076	SLU 37	12600	39534	45066	2.5	103.72	Si
409	4X/2Y Ø8/10	1707	-79108	SLU 51	12805	42315	43268	2.4	24.79	-381	-63934	SLU 37	12600	39534	45046	2.5	103.72	Si
438	4X/2Y Ø8/10	1707	-78966	SLU 51	12805	42315	43268	2.4	24.79	-381	-63793	SLU 37	12600	39534	45027	2.5	103.72	Si
467	4X/2Y Ø8/14.4	1707	-78825	SLU 51	12805	30516	42024	2.5	17.88	-381	-63652	SLU 37	12600	27370	45007	2.5	71.8	Si
496	4X/2Y Ø8/14.4	1707	-78684	SLU 51	12805	30516	42024	2.5	17.88	-381	-63510	SLU 37	12600	27370	44988	2.5	71.8	Si
525	4X/2Y Ø8/14.4	1707	-78542	SLU 51	12805	30516	42024	2.5	17.88	-381	-63369	SLU 37	12600	27370	44968	2.5	71.8	Si
554	4X/2Y Ø8/14.4	1707	-78401	SLU 51	12805	30516	42024	2.5	17.88	-381	-63227	SLU 37	12600	27370	44949	2.5	71.8	Si
583	4X/2Y Ø8/14.4	1707	-78260	SLU 51	12805	30516	42024	2.5	17.88	-381	-63086	SLU 37	12600	27370	44929	2.5	71.8	Si
612	4X/2Y Ø8/10	1707	-78118	SLU 51	12805	42315	43268	2.4	24.79	-381	-62945	SLU 37	12600	39534	44909	2.5	103.72	Si
641	4X/2Y Ø8/10	1707	-77977	SLU 51	12805	42315	43268	2.4	24.79	-381	-62803	SLU 37	12600	39534	44890	2.5	103.72	Si
670	4X/2Y Ø8/10	1707	-77835	SLU 51	12805	42315	43268	2.4	24.79	-381	-62662	SLU 37	12600	39534	44870	2.5	103.72	Si
690	4X/2Y Ø8/10	1059	-59840	SLU 52	12805	42315	42549	2.4	39.97	-289	-59504	SLU 49	12600	39534	44432	2.5	136.96	Si
719	4X/2Y Ø8/10	1059	-59701	SLU 52	12805	42315	42531	2.4	39.97	-289	-59365	SLU 49	12600	39534	44413	2.5	136.96	Si
748	4X/2Y Ø8/10	1059	-59559	SLU 52	12805	42315	42512	2.4	39.97	-289	-59223	SLU 49	12600	39534	44393	2.5	136.96	Si
777	4X/2Y Ø8/14.4	1059	-59418	SLU 52	12805	30516	41272	2.5	28.82	-289	-59082	SLU 49	12600	27370	44374	2.5	94.82	Si
806	4X/2Y Ø8/14.4	1059	-59277	SLU 52	12805	30516	41254	2.5	28.82	-289	-58941	SLU 49	12600	27370	44354	2.5	94.82	Si
835	4X/2Y Ø8/14.4	1059	-59135	SLU 52	12805	30516	41236	2.5	28.82	-289	-58799	SLU 49	12600	27370	44335	2.5	94.82	Si
864	4X/2Y Ø8/14.4	1059	-58994	SLU 52	12805	30516	41217	2.5	28.82	-289	-58658	SLU 49	12600	27370	44315	2.5	94.82	Si
893	4X/2Y Ø8/14.4	1059	-58852	SLU 52	12805	30516	41199	2.5	28.82	-289	-58516	SLU 49	12600	27370	44295	2.5	94.82	Si
922	4X/2Y Ø8/10	1059	-58711	SLU 52	12805	42315	42399	2.4	39.97	-289	-58375	SLU 49	12600	39534	44276	2.5	136.96	Si
951	4X/2Y Ø8/10	1059	-58570	SLU 52	12805	42315	42381	2.4	39.97	-289	-58234	SLU 49	12600	39534	44256	2.5	136.96	Si
980	4X/2Y Ø8/10	1059	-58431	SLU 52	12805	42315	42362	2.4	39.97	-289	-58095	SLU 49	12600	39534	44237	2.5	136.96	Si
1000	4X/2Y Ø8/10	1164	-40345	SLU 51	11328	40552	41161	2.3	34.82	-320	-33736	SLU 38	10125	39534	40860	2.5	123.44	Si
1029	4X/2Y Ø8/10	1164	-40204	SLU 51	11311	40552	41141	2.3	34.82	-320	-33595	SLU 38	10106	39534	40841	2.5	123.44	Si
1058	4X/2Y Ø8/10	1164	-40063	SLU 51	11293	40552	41122	2.3	34.82	-320	-33453	SLU 38	10087	39534	40821	2.5	123.44	Si
1087	4X/2Y Ø8/14.4	1164	-39921	SLU 51	11276	30516	38761	2.5	26.21	-320	-33312	SLU 38	10068	27370	40802	2.5	85.46	Si
1116	4X/2Y Ø8/14.4	1164	-39780	SLU 51	11258	30516	38743	2.5	26.21	-320	-33171	SLU 38	10049	27370	40782	2.5	85.46	Si
1145	4X/2Y Ø8/14.4	1164	-39638	SLU 51	11240	30516	38725	2.5	26.21	-320	-33029	SLU 38	10030	27370	40762	2.5	85.46	Si
1174	4X/2Y Ø8/14.4	1164	-39497	SLU 51	11223	30516	38706	2.5	26.21	-320	-32888	SLU 38	10012	27370	40743	2.5	85.46	Si
1203	4X/2Y Ø8/14.4	1164	-39356	SLU 51	11205	30516	38688	2.5	26.21	-320	-32746	SLU 38	9993	27370	40723	2.5	85.46	Si
1232	4X/2Y Ø8/10	1164	-39214	SLU 51	11188	40552	41006	2.3	34.82	-320	-32605	SLU 38	9974	39534	40704	2.5	123.44	Si
1261	4X/2Y Ø8/10	1164	-39073	SLU 51	11170	40552	40987	2.3	34.82	-320	-32464	SLU 38	9955	39534	40684	2.5	123.44	Si
1290	4X/2Y Ø8/10	1164	-38932	SLU 51	11152	40552	40968	2.3	34.82	-320	-32322	SLU 38	9936	39534	40665	2.5	123.44	Si
1310	4X/2Y Ø8/10	1663	-20527	SLU 51	8861	38789	39616	2.2	23.32	776	-15152	SLU 44	7635	38743	38845	2.45	49.92	Si
1339	4X/2Y Ø8/10	1663	-20388	SLU 51	8844	38789	39597	2.2	23.32	776	-15013	SLU 44	7616	38743	38825	2.45	49.92	Si
1368	4X/2Y Ø8/10	1663	-20246	SLU 51	8826	38789	39577	2.2	23.32	776	-14872	SLU 44	7597	38743	38805	2.45	49.92	Si
1397	4X/2Y Ø8/14.4	1663	-20105	SLU 51	8808	30516	36209	2.5	18.35	776	-14731	SLU 44	7579	27370	38226	2.5	35.26	Si
1426	4X/2Y Ø8/14.4	1663	-19964	SLU 51	8791	30516	36191	2.5	18.35	776	-14589	SLU 44	7560	27370	38206	2.5	35.26	Si
1455	4X/2Y Ø8/14.4	1663	-19822	SLU 51	8773	30516	36172	2.5	18.35	776	-14448	SLU 44	7541	27370	38187	2.5	35.26	Si
1484	4X/2Y Ø8/14.4	1663	-19681	SLU 51	8756	30516	36154	2.5	18.35	776	-14306	SLU 44	7522	27370	38167	2.5	35.26	Si
1513	4X/2Y Ø8/14.4	1663	-19539	SLU 51	8738	30516	36136	2.5	18.35	776	-14165	SLU 44	7503	27370	38148	2.5	35.26	Si
1542	4X/2Y Ø8/10	1663	-19398	SLU 51	8720	38789	39458	2.2	23.32	776	-14024	SLU 44	7484	37953	39256	2.4	48.9	Si
1571	4X/2Y Ø8/10	1663	-19257	SLU 51	8703	38789	39438	2.2	23.32	776	-13882	SLU 44	7465	37953	39236	2.4	48.9	Si
1600	4X/2Y Ø8/10	1663	-19115	SLU 51	8685	38789	39418	2.2	23.32	776	-13741	SLU 44	7446	37953	39216	2.4	48.9	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	-946	-54086	SLV 1	12805	41434	42405	2.35	43.81	2785	-67881	SLV 15	12600	39534	45230	2.5	14.2	Si
-111	4X/2Y Ø8/10	-946	-53978	SLV 1	12805	41434	42391	2.35	43.81	2785	-67772	SLV 15	12600	39534	45230	2.5	14.2	Si
-81	4X/2Y Ø8/10	-946	-53868	SLV 1	12805	41434	42376	2.35	43.81	2785	-67662	SLV 15	12600	39534	45230	2.5	14.2	Si
-52	4X/2Y Ø8/10	-946	-53757	SLV 1	12805	41434	42361	2.35	43.81	2785	-67552	SLV 15	12600	39534	45230	2.5	14.2	Si
-22	4X/2Y Ø8/15	-946	-53647	SLV 1	12805	29386	40529	2.5	31.07	2785	-67441	SLV 15	12600	26356	45230	2.5	9.46	Si
7	4X/2Y Ø8/15	-946	-53537	SLV 1	12805	29386	40515	2.5	31.07	2785	-67331	SLV 15	12600	26356	45230	2.5	9.46	Si
36	4X/2Y Ø8/15	-946	-53426	SLV 1	12805	29386	40500	2.5	31.07	2785	-67221	SLV 15	12600	26356	45230	2.5	9.46	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
66	4X/2Y Ø8/15	-946	-53316	SLV 1	12805	29386	40486	2.5	31.07	2785	-67111	SLV 15	12600	26356	45230	2.5	9.46	Si
95	4X/2Y Ø8/15	-946	-53206	SLV 1	12805	29386	40472	2.5	31.07	2785	-67000	SLV 15	12600	26356	45230	2.5	9.46	Si
125	4X/2Y Ø8/15	-946	-53094	SLV 1	12805	29386	40458	2.5	31.07	2785	-66889	SLV 15	12600	26356	45230	2.5	9.46	Si
154	4X/2Y Ø8/15	-946	-52985	SLV 1	12805	29386	40444	2.5	31.07	2785	-66780	SLV 15	12600	26356	45230	2.5	9.46	Si
184	4X/2Y Ø8/15	-946	-52875	SLV 1	12805	29386	40429	2.5	31.07	2785	-66669	SLV 15	12600	26356	45230	2.5	9.46	Si
213	4X/2Y Ø8/15	-946	-52766	SLV 1	12805	29386	40415	2.5	31.07	2785	-66561	SLV 15	12600	26356	45230	2.5	9.46	Si
242	4X/2Y Ø8/10	-946	-52654	SLV 1	12805	41434	42213	2.35	43.81	2785	-66449	SLV 15	12600	39534	45230	2.5	14.2	Si
272	4X/2Y Ø8/10	-946	-52544	SLV 1	12805	41434	42198	2.35	43.81	2785	-66339	SLV 15	12600	39534	45230	2.5	14.2	Si
301	4X/2Y Ø8/10	-946	-52434	SLV 1	12805	41434	42183	2.35	43.81	2785	-66228	SLV 15	12600	39534	45230	2.5	14.2	Si
331	4X/2Y Ø8/10	-946	-52323	SLV 1	12805	41434	42168	2.35	43.81	2785	-66118	SLV 15	12600	39534	45230	2.5	14.2	Si
360	4X/2Y Ø8/10	-946	-52215	SLV 1	12805	41434	42154	2.35	43.81	2785	-66010	SLV 15	12600	39534	45230	2.5	14.2	Si
380	4X/2Y Ø8/10	1934	-53486	SLV 15	12805	41434	42325	2.35	21.43	-1636	-42844	SLV 1	11346	39534	42123	2.5	24.16	Si
409	4X/2Y Ø8/10	1934	-53377	SLV 15	12805	41434	42310	2.35	21.43	-1636	-42735	SLV 1	11331	39534	42108	2.5	24.16	Si
438	4X/2Y Ø8/10	1934	-53269	SLV 15	12805	41434	42295	2.35	21.43	-1636	-42626	SLV 1	11316	39534	42093	2.5	24.16	Si
467	4X/2Y Ø8/14.4	1934	-53160	SLV 15	12805	30516	40466	2.5	15.78	-1636	-42518	SLV 1	11302	27370	42078	2.5	16.73	Si
496	4X/2Y Ø8/14.4	1934	-53051	SLV 15	12805	30516	40452	2.5	15.78	-1636	-42409	SLV 1	11287	27370	42063	2.5	16.73	Si
525	4X/2Y Ø8/14.4	1934	-52942	SLV 15	12805	30516	40438	2.5	15.78	-1636	-42300	SLV 1	11273	27370	42048	2.5	16.73	Si
554	4X/2Y Ø8/14.4	1934	-52834	SLV 15	12805	30516	40424	2.5	15.78	-1636	-42191	SLV 1	11258	27370	42033	2.5	16.73	Si
583	4X/2Y Ø8/14.4	1934	-52725	SLV 15	12805	30516	40410	2.5	15.78	-1636	-42083	SLV 1	11244	27370	42017	2.5	16.73	Si
612	4X/2Y Ø8/10	1934	-52616	SLV 15	12805	41434	42208	2.35	21.43	-1636	-41974	SLV 1	11229	39534	42002	2.5	24.16	Si
641	4X/2Y Ø8/10	1934	-52507	SLV 15	12805	41434	42193	2.35	21.43	-1636	-41865	SLV 1	11214	39534	41987	2.5	24.16	Si
670	4X/2Y Ø8/10	1934	-52399	SLV 15	12805	41434	42178	2.35	21.43	-1636	-41756	SLV 1	11200	39534	41972	2.5	24.16	Si
690	4X/2Y Ø8/10	1493	-40267	SLV 15	11319	40552	41150	2.3	27.16	-1602	-32008	SLV 1	9894	39534	40621	2.5	24.68	Si
719	4X/2Y Ø8/10	1493	-40160	SLV 15	11305	40552	41135	2.3	27.16	-1602	-31901	SLV 1	9879	39534	40606	2.5	24.68	Si
748	4X/2Y Ø8/10	1493	-40051	SLV 15	11292	40552	41121	2.3	27.16	-1602	-31792	SLV 1	9865	39534	40591	2.5	24.68	Si
777	4X/2Y Ø8/14.4	1493	-39943	SLV 15	11278	30516	38764	2.5	20.44	-1602	-31684	SLV 1	9850	27370	40576	2.5	17.09	Si
806	4X/2Y Ø8/14.4	1493	-39834	SLV 15	11265	30516	38750	2.5	20.44	-1602	-31575	SLV 1	9836	27370	40561	2.5	17.09	Si
835	4X/2Y Ø8/14.4	1493	-39725	SLV 15	11251	30516	38736	2.5	20.44	-1602	-31466	SLV 1	9821	27370	40546	2.5	17.09	Si
864	4X/2Y Ø8/14.4	1493	-39616	SLV 15	11238	30516	38722	2.5	20.44	-1602	-31357	SLV 1	9806	27370	40531	2.5	17.09	Si
893	4X/2Y Ø8/14.4	1493	-39508	SLV 15	11224	30516	38708	2.5	20.44	-1602	-31249	SLV 1	9792	27370	40516	2.5	17.09	Si
922	4X/2Y Ø8/10	1493	-39399	SLV 15	11211	40552	41031	2.3	27.16	-1602	-31140	SLV 1	9777	39534	40501	2.5	24.68	Si
951	4X/2Y Ø8/10	1493	-39290	SLV 15	11197	40552	41017	2.3	27.16	-1602	-31031	SLV 1	9763	39534	40486	2.5	24.68	Si
980	4X/2Y Ø8/10	1493	-39183	SLV 15	11184	40552	41002	2.3	27.16	-1602	-30924	SLV 1	9748	39534	40471	2.5	24.68	Si
1000	4X/2Y Ø8/10	1573	-25664	SLV 13	9501	39671	39742	2.25	25.22	-1517	-21246	SLV 1	8451	38743	39702	2.45	25.53	Si
1029	4X/2Y Ø8/10	1573	-25555	SLV 13	9487	39671	39727	2.25	25.22	-1517	-21137	SLV 1	8437	38743	39687	2.45	25.53	Si
1058	4X/2Y Ø8/10	1573	-25446	SLV 13	9473	39671	39712	2.25	25.22	-1517	-21028	SLV 1	8422	38743	39671	2.45	25.53	Si
1087	4X/2Y Ø8/14.4	1573	-25338	SLV 13	9460	30516	36883	2.5	19.4	-1517	-20919	SLV 1	8408	27370	39084	2.5	18.04	Si
1116	4X/2Y Ø8/14.4	1573	-25229	SLV 13	9446	30516	36869	2.5	19.4	-1517	-20811	SLV 1	8393	27370	39069	2.5	18.04	Si
1145	4X/2Y Ø8/14.4	1573	-25120	SLV 13	9433	30516	36855	2.5	19.4	-1517	-20702	SLV 1	8379	27370	39054	2.5	18.04	Si
1174	4X/2Y Ø8/14.4	1573	-25011	SLV 13	9419	30516	36841	2.5	19.4	-1517	-20593	SLV 1	8364	27370	39039	2.5	18.04	Si
1203	4X/2Y Ø8/14.4	1573	-24903	SLV 13	9406	30516	36827	2.5	19.4	-1517	-20484	SLV 1	8349	27370	39024	2.5	18.04	Si
1232	4X/2Y Ø8/10	1573	-24794	SLV 13	9392	38789	40217	2.2	24.66	-1517	-20376	SLV 1	8335	38743	39579	2.45	25.53	Si
1261	4X/2Y Ø8/10	1573	-24685	SLV 13	9379	38789	40201	2.2	24.66	-1517	-20267	SLV 1	8320	38743	39564	2.45	25.53	Si
1290	4X/2Y Ø8/10	1573	-24576	SLV 13	9365	38789	40186	2.2	24.66	-1517	-20158	SLV 1	8306	38743	39549	2.45	25.53	Si
1310	4X/2Y Ø8/10	1915	-13487	SLV 15	7984	37907	39208	2.15	19.79	1603	-12833	SLV 7	7324	37953	39086	2.4	23.68	Si
1339	4X/2Y Ø8/10	1915	-13380	SLV 15	7971	37907	39193	2.15	19.79	1603	-12726	SLV 7	7310	37953	39071	2.4	23.68	Si
1368	4X/2Y Ø8/10	1915	-13271	SLV 15	7958	37907	39177	2.15	19.79	1603	-12618	SLV 7	7295	37953	39055	2.4	23.68	Si
1397	4X/2Y Ø8/14.4	1915	-13162	SLV 15	7944	30516	35315	2.5	15.93	1603	-12509	SLV 7	7281	27370	37918	2.5	17.08	Si
1426	4X/2Y Ø8/14.4	1915	-13054	SLV 15	7931	30516	35301	2.5	15.93	1603	-12400	SLV 7	7266	27370	37903	2.5	17.08	Si
1455	4X/2Y Ø8/14.4	1915	-12945	SLV 15	7917	30516	35287	2.5	15.93	1603	-12291	SLV 7	7252	27370	37888	2.5	17.08	Si
1484	4X/2Y Ø8/14.4	1915	-12836	SLV 15	7903	30516	35273	2.5	15.93	1603	-12183	SLV 7	7237	27370	37873	2.5	17.08	Si
1513	4X/2Y Ø8/14.4	1915	-12727	SLV 15	7890	30516	35259	2.5	15.93	1603	-12074	SLV 7	7223	27370	37858	2.5	17.08	Si
1542	4X/2Y Ø8/10	1915	-12619	SLV 15	7876	37907	39084	2.15	19.79	1603	-11965	SLV 7	7208	37953	38962	2.4	23.68	Si
1571	4X/2Y Ø8/10	1915	-12510	SLV 15	7863	37907	39069	2.15	19.79	1603	-11856	SLV 7	7193	37953	38947	2.4	23.68	Si
1600	4X/2Y Ø8/10	1915	-12401	SLV 15	7849	37907	39053	2.15	19.79	1603	-11748	SLV 7	7179	37953	38931	2.4	23.68	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	-449	-58290	SLD 1	13563	44078	41127	2.5	91.61	1219	-63677	SLD 15	14137	39534	45011	2.5	32.44	Si
-111	4X/2Y Ø8/10	-449	-58182	SLD 1	13549	44078	41113	2.5	91.58	1219	-63568	SLD 15	14123	39534	44996	2.5	32.44	Si
-81	4X/2Y Ø8/10	-449	-58072	SLD 1	13535	44078	41099	2.5	91.55	1219	-63458	SLD 15	14108	39534	44980	2.5	32.44	Si
-52	4X/2Y Ø8/10	-449	-57961	SLD 1	13522	44078	41085	2.5	91.52	1219	-63348	SLD 15	14093	39534	44965	2.5	32.44	Si
-22	4X/2Y Ø8/15	-449	-57851	SLD 1	13508	29386	41070	2.5	65.46	1219	-63237	SLD 15	14078	26356	44950	2.5	21.63	Si
7	4X/2Y Ø8/15	-449	-57741	SLD 1	13494	29386	41056	2.5	65.46	1219	-63127	SLD 15	14063	26356	44935	2.5	21.63	Si
36	4X/2Y Ø8/15	-449	-57631	SLD 1	13480	29386	41042	2.5	65.46	1219	-63017	SLD 15	14049	26356	44919	2.5	21.63	Si
66	4X/2Y Ø8/15	-449	-57520	SLD 1	13467	29386	41028	2.5	65.46	1219	-62906	SLD 15	14034	26356	44904	2.5	21.63	Si
95	4X/2Y Ø8/15	-449	-57410	SLD 1	13453	29386	41014	2.5	65.46	1219	-62796	SLD 15	14019	26356	44889	2.5	21.63	Si
125	4X/2Y Ø8/15	-449	-57299	SLD 1	13439	29386	40999	2.5	65.46	1219	-62685	SLD 15	14004	26356	44873	2.5	21.63	Si
154	4X/2Y Ø8/15	-449	-57189	SLD 1	13425	29386	40985	2.5	65.46	1219	-62576	SLD 15	13990	26356	44858	2.5	21.63	Si
184	4X/2Y Ø8/15	-449	-57079	SLD 1	13412	29386	40971	2.5	65.46	1219	-62465	SLD 15	13975	26356	44843	2.5	21.63	Si
213	4X/2Y Ø8/15	-449	-56970	SLD 1	13398	29386	40957	2.5	65.46	1219	-62357	SLD 15	13960	26356	44828	2.5	21.63	Si
242	4X/2Y Ø8/10	-449	-56858	SLD 1	13384	44078	40942	2.5	91.2	1219	-62245	SLD 15	13945	39534	44812	2.5	32.44	Si
272	4X/2Y Ø8/10	-449	-56748	SLD 1	13371	44078	40928	2.5	91.17	1219	-62134	SLD 15	13930	39534	44797	2.5	32.44	Si
301	4X/2Y Ø8/10	-449	-56638	SLD 1	13357	44078	40914	2.5	91.14	1219	-62024	SLD 15	13916	39534	44782	2.5	32.44	Si
331	4X/2Y Ø8/10	-449	-56528	SLD 1	13343	44078	40900	2.5	91.11	1219	-61914	SLD 15	13901	39534	44766	2.5	32.44	Si
360	4X/2Y Ø8/10	-449	-56419	SLD 1	13330	44078	40886	2.5	91.08	1219	-61805	SLD 15	13886	39534	44751	2.5	32.44	Si
380	4X/2Y Ø8/10	1376	-50246	SLD 15	12561	44078	40091	2.5	29.13	-705	-46084	SLD 1	11780	39534	42572	2.5	56.09	Si
409	4X/2Y Ø8/10	1376	-50137	SLD 15	12547	44078	40077	2.5	29.12	-705	-45975	SLD 1	11765	39534	42557	2.5	56.09	Si
438	4X/2Y Ø8/10	1376	-50028	SLD 15	12534	44078	40063	2.5	29.11	-705	-45867	SLD 1	11751	39534	42542	2.5	56.09	Si
467	4X/2Y Ø8/14.4	1376	-49920	SLD 15	12520	30516	40049	2.5	22.17	-705	-45758	SLD 1	11736	27370	42527	2.5	38.83	Si
496	4X/2Y Ø8/14.4	1376	-49811	SLD 15	12507	30516	40035	2.5	22.17	-705	-45649	SLD 1	11722	27370	42512	2.5	38.83	Si
525	4X/2Y Ø8/14.4	1376	-49702	SLD 15	12493	30516	40021	2.5	22.17	-705	-45540	SLD 1	11707	27370	42497	2.5	38.83	Si
554	4X/2Y Ø8/14.4	1376	-49593	SLD 15	12480	30516	40007	2.5	22.17	-705	-45432	SLD 1	11692	27370	42482	2.5	38.83	Si
583	4X/2Y Ø8/14.4	1376	-49485	SLD 15	12466	30516	39993	2.5	22.17	-705	-45323	SLD 1	11678	27370	42467	2.5	38.83	Si
612	4X/2Y Ø8/10	1376	-49376	SLD 15	12453	44078	39979	2.5	29.05	-705	-45214	SLD 1	11663	39534	42452	2.5	56.09	Si
641	4X/2Y Ø8/10	1376	-49267	SLD 15	12439	44078	39965	2.5	29.04	-705	-45105	SLD 1	11649	39534	42436	2.5	56.09	Si
670	4X/2Y Ø8/10	1376	-49158	SLD 15	12426	44078	39951	2.5	29.03	-705	-44997	SLD 1	11634	39534	42421	2.5	56.09	Si
690	4X/2Y Ø8/10	957	-37756	SLD 15	11006	44078	38482	2.5	40.2	-687	-34519	SLD 1	10230	39534	40969	2.5	57.54	Si
719	4X/2Y Ø8/10	957	-37649	SLD 15	10993	44078	38468	2.5	40.19	-687	-34412	SLD 1	10216	39534	40954	2.5	57.54	Si
748	4X/2Y Ø8/10	957	-37541	SLD 15	10979	44078	38454	2.5	40.17	-687	-34303	SLD 1	10201	39534	40939	2.5	57.54	Si
777	4X/2Y Ø8/14.4	957	-37432	SLD 15	10966	30516	38440	2.5	31.88	-687	-34194	SLD 1	10187	27370	40924	2.5	39.84	Si
806	4X/2Y Ø8/14.4	957	-37323	SLD 15	10952	30516	38426	2.5	31.88	-687	-34086	SLD 1	10172	27370	40909	2.5	39.84	Si
835	4X/2Y Ø8/14.4	957	-37214	SLD 15	10939	30516	38412	2.5	31.88	-687	-33977	SLD 1	10157	27370	40894	2.5	39.84	Si
864	4X/2Y Ø8/14.4	957	-37106	SLD 15	10925	30516	38398	2.5	31.88	-687	-33868	SLD 1	10143	27370	40879	2.5	39.84	Si
893	4X/2Y Ø8/14.4	957	-36997	SLD 15	10911	30516	38384	2.5	31.88	-687	-33759	SLD 1	10128	27370	40864	2.5	39.84	Si
922	4X/2Y Ø8/10	957	-36888	SLD 15	10898	44078	38370	2.5	40.09	-687	-33651	SLD 1	10114	39534	40849	2.5	57.54	Si
951	4X/2Y Ø8/10	957	-36779	SLD 15	10884	44078	38356	2.5	40.07	-687	-33542	SLD 1	10099	39534	40834	2.5	57.54	Si
980	4X/2Y Ø8/10	957	-36672	SLD 15	10871	44078	38343	2.5	40.06	-687	-33435	SLD 1	10085	39534	40819	2.5	57.54	Si

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1000	4X/2Y Ø8/10	1042	-24691	SLD 13	9379	44078	36799	2.5	35.33	-639	-22955	SLD 1	8681	39534	39366	2.5	61.58	Si
1029	4X/2Y Ø8/10	1042	-24582	SLD 13	9366	44078	36785	2.5	35.31	-639	-22847	SLD 1	8666	39534	39351	2.5	61.55	Si
1058	4X/2Y Ø8/10	1042	-24473	SLD 13	9352	44078	36771	2.5	35.3	-639	-22738	SLD 1	8651	39534	39336	2.5	61.53	Si
1087	4X/2Y Ø8/14.4	1042	-24364	SLD 13	9339	30516	36757	2.5	29.3	-639	-22629	SLD 1	8637	27370	39321	2.5	42.81	Si
1116	4X/2Y Ø8/14.4	1042	-24256	SLD 13	9325	30516	36743	2.5	29.3	-639	-22520	SLD 1	8622	27370	39306	2.5	42.81	Si
1145	4X/2Y Ø8/14.4	1042	-24147	SLD 13	9312	30516	36729	2.5	29.3	-639	-22412	SLD 1	8608	27370	39291	2.5	42.81	Si
1174	4X/2Y Ø8/14.4	1042	-24038	SLD 13	9298	30516	36715	2.5	29.3	-639	-22303	SLD 1	8593	27370	39276	2.5	42.81	Si
1203	4X/2Y Ø8/14.4	1042	-23929	SLD 13	9285	30516	36701	2.5	29.3	-639	-22194	SLD 1	8579	27370	39261	2.5	42.81	Si
1232	4X/2Y Ø8/10	1042	-23821	SLD 13	9271	44078	36687	2.5	35.22	-639	-22085	SLD 1	8564	39534	39245	2.5	61.39	Si
1261	4X/2Y Ø8/10	1042	-23712	SLD 13	9258	44078	36673	2.5	35.21	-639	-21977	SLD 1	8549	39534	39230	2.5	61.37	Si
1290	4X/2Y Ø8/10	1042	-23603	SLD 13	9244	44078	36659	2.5	35.19	-639	-21868	SLD 1	8535	39534	39215	2.5	61.34	Si
1310	4X/2Y Ø8/10	1314	-12475	SLD 15	7859	44078	35226	2.5	26.8	952	-12225	SLD 7	7243	39534	37879	2.5	39.77	Si
1339	4X/2Y Ø8/10	1314	-12369	SLD 15	7845	44078	35212	2.5	26.79	952	-12118	SLD 7	7228	39534	37864	2.5	39.76	Si
1368	4X/2Y Ø8/10	1314	-12260	SLD 15	7832	44078	35198	2.5	26.78	952	-12010	SLD 7	7214	39534	37849	2.5	39.74	Si
1397	4X/2Y Ø8/14.4	1314	-12151	SLD 15	7818	30516	35184	2.5	23.22	952	-11901	SLD 7	7199	27370	37834	2.5	28.74	Si
1426	4X/2Y Ø8/14.4	1314	-12042	SLD 15	7805	30516	35170	2.5	23.22	952	-11792	SLD 7	7185	27370	37819	2.5	28.74	Si
1455	4X/2Y Ø8/14.4	1314	-11934	SLD 15	7791	30516	35156	2.5	23.22	952	-11683	SLD 7	7170	27370	37804	2.5	28.74	Si
1484	4X/2Y Ø8/14.4	1314	-11825	SLD 15	7778	30516	35142	2.5	23.22	952	-11575	SLD 7	7156	27370	37788	2.5	28.74	Si
1513	4X/2Y Ø8/14.4	1314	-11716	SLD 15	7764	30516	35128	2.5	23.22	952	-11466	SLD 7	7141	27370	37773	2.5	28.74	Si
1542	4X/2Y Ø8/10	1314	-11607	SLD 15	7750	44078	35114	2.5	26.71	952	-11357	SLD 7	7126	39534	37758	2.5	39.65	Si
1571	4X/2Y Ø8/10	1314	-11499	SLD 15	7737	44078	35100	2.5	26.7	952	-11248	SLD 7	7112	39534	37743	2.5	39.63	Si
1600	4X/2Y Ø8/10	1314	-11390	SLD 15	7723	44078	35086	2.5	26.69	952	-11140	SLD 7	7097	39534	37728	2.5	39.61	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	-67729	104337	-70446	SLE RA 12	-56.6	-67729	104337	-70446	SLE RA 12	-773.2	Si
-111	-62527	100472	-70337	SLE RA 12	-55.8	-62527	100472	-70337	SLE RA 12	-763.9	Si
-81	-57236	96540	-70227	SLE RA 12	-54.9	-57236	96540	-70227	SLE RA 12	-754.5	Si
-52	-51944	92608	-70117	SLE RA 12	-54.1	-51944	92608	-70117	SLE RA 12	-745	Si
-22	-46653	88676	-70006	SLE RA 12	-53.2	-46653	88676	-70006	SLE RA 12	-735.6	Si
7	-41361	84744	-69896	SLE RA 12	-52.3	-41361	84744	-69896	SLE RA 12	-726.2	Si
36	-36070	80812	-69786	SLE RA 12	-51.5	-36070	80812	-69786	SLE RA 12	-716.7	Si
66	-30778	76880	-69675	SLE RA 12	-50.6	-30778	76880	-69675	SLE RA 12	-707.3	Si
95	-29169	70435	-69611	SLE RA 13	-49.8	-29169	70435	-69611	SLE RA 13	-698.5	Si
125	-22186	69057	-69500	SLE RA 13	-49.1	-22186	69057	-69500	SLE RA 13	-690.5	Si
154	-15341	67707	-69390	SLE RA 13	-48.4	-15341	67707	-69390	SLE RA 13	-682.6	Si
184	-8427	66343	-69280	SLE RA 13	-47.7	-8427	66343	-69280	SLE RA 13	-674.6	Si
213	-1617	65000	-69171	SLE RA 13	-47	-1617	65000	-69171	SLE RA 13	-667.5	Si
242	5401	63616	-69060	SLE RA 13	-47.1	5401	63616	-69060	SLE RA 13	-667.3	Si
272	12315	62252	-68949	SLE RA 13	-47.3	12315	62252	-68949	SLE RA 13	-670.5	Si
301	19229	60888	-68839	SLE RA 13	-47.6	19229	60888	-68839	SLE RA 13	-673.7	Si
331	26143	59524	-68729	SLE RA 13	-47.8	26143	59524	-68729	SLE RA 13	-676.8	Si
360	32939	58184	-68620	SLE RA 13	-48.1	32939	58184	-68620	SLE RA 13	-680	Si
380	32881	-209060	-55993	SLE RA 12	-57.5	32881	-209060	-55993	SLE RA 12	-732.5	Si
409	26419	-174230	-55884	SLE RA 12	-53.2	26419	-174230	-55884	SLE RA 12	-689.1	Si
438	19957	-139399	-55775	SLE RA 12	-48.8	19957	-139399	-55775	SLE RA 12	-645.7	Si
467	13495	-104569	-55666	SLE RA 12	-44.5	13495	-104569	-55666	SLE RA 12	-602.3	Si
496	7032	-69738	-55558	SLE RA 12	-40.1	7032	-69738	-55558	SLE RA 12	-558.8	Si
525	570	-34907	-55449	SLE RA 12	-35.7	570	-34907	-55449	SLE RA 12	-516	Si
554	-2925	2985	-55343	SLE RA 13	-32.3	-2925	2985	-55343	SLE RA 13	-482.3	Si
583	-10254	36125	-55234	SLE RA 13	-36.4	-12354	34754	-55231	SLE RA 12	-522.9	Si
612	-18816	69585	-55123	SLE RA 12	-40.6	-18816	69585	-55123	SLE RA 12	-564.5	Si
641	-25279	104415	-55014	SLE RA 12	-44.9	-25279	104415	-55014	SLE RA 12	-606	Si
670	-31741	139246	-54905	SLE RA 12	-49.1	-31741	139246	-54905	SLE RA 12	-647.5	Si
690	20919	-96912	-42327	SLE RA 13	-36.5	20919	-96912	-42327	SLE RA 13	-485.2	Si
719	15945	-75647	-42220	SLE RA 13	-33.7	15945	-75647	-42220	SLE RA 13	-457.5	Si
748	10884	-54010	-42111	SLE RA 13	-30.9	10884	-54010	-42111	SLE RA 13	-429.3	Si
777	5822	-32372	-42002	SLE RA 13	-28.1	5822	-32372	-42002	SLE RA 13	-401.1	Si
806	761	-10734	-41894	SLE RA 13	-25.3	761	-10734	-41894	SLE RA 13	-373	Si
835	-4304	11826	-41776	SLE RA 12	-25.6	-4304	11826	-41776	SLE RA 12	-376	Si
864	-9817	33281	-41667	SLE RA 12	-28.3	-9817	33281	-41667	SLE RA 12	-402.5	Si
893	-15329	54735	-41558	SLE RA 12	-31	-15329	54735	-41558	SLE RA 12	-428.9	Si
922	-20842	76190	-41450	SLE RA 12	-33.7	-20842	76190	-41450	SLE RA 12	-455.4	Si
951	-26354	97644	-41341	SLE RA 12	-36.3	-26354	97644	-41341	SLE RA 12	-481.8	Si
980	-31772	118729	-41234	SLE RA 12	-39	-31772	118729	-41234	SLE RA 12	-507.8	Si
1000	8814	-122844	-28600	SLE RA 12	-30.6	8814	-122844	-28600	SLE RA 12	-384.9	Si
1029	2967	-99084	-28491	SLE RA 12	-27.5	2967	-99084	-28491	SLE RA 12	-354.8	Si
1058	-2880	-75324	-28383	SLE RA 12	-24.8	-2880	-75324	-28383	SLE RA 12	-327.8	Si
1087	-8727	-51563	-28274	SLE RA 12	-22.5	-8727	-51563	-28274	SLE RA 12	-305.8	Si
1116	-14574	-27803	-28165	SLE RA 12	-20.2	-14574	-27803	-28165	SLE RA 12	-284.1	Si
1145	-20421	-4043	-28056	SLE RA 12	-18	-20421	-4043	-28056	SLE RA 12	-262.5	Si
1174	-26268	19718	-27948	SLE RA 12	-20	-26268	19718	-27948	SLE RA 12	-283.1	Si
1203	-32115	43478	-27839	SLE RA 12	-23	-32115	43478	-27839	SLE RA 12	-312.3	Si
1232	-37962	67238	-27730	SLE RA 12	-26	-37962	67238	-27730	SLE RA 12	-341.5	Si
1261	-43808	90999	-27621	SLE RA 12	-28.9	-43808	90999	-27621	SLE RA 12	-370.7	Si
1290	-49655	114759	-27513	SLE RA 12	-31.9	-49655	114759	-27513	SLE RA 12	-399.9	Si
1310	-49312	-144110	-14646	SLE RA 12	-27.7	-49312	-144110	-14646	SLE RA 12	-320.1	Si
1339	-34948	-110569	-14539	SLE RA 12	-23	-34948	-110569	-14539	SLE RA 12	-271.8	Si
1368	-20332	-76440	-14430	SLE RA 12	-18.1	-20332	-76440	-14430	SLE RA 12	-222.5	Si
1397	-5716	-42311	-14321	SLE RA 12	-13.3	-5716	-42311	-14321	SLE RA 12	-173.2	Si
1426	9224	-8241	-14220	SLE RA 13	-9.7	9224	-8241	-14220	SLE RA 13	-138.8	Si
1455	23980	25773	-14111	SLE RA 13	-12.6	23980	25773	-14111	SLE RA 13	-168.5	Si
1484	38737	59787	-14003	SLE RA 13	-17.3	38737	59787	-14003	SLE RA 13	-215.9	Si
1513	53494	93801	-13894	SLE RA 13	-22	53494	93801	-13894	SLE RA 13	-263.2	Si
1542	68250	127814	-13785	SLE RA 13	-26.7	68250	127814	-13785	SLE RA 13	-310.6	Si
1571	81982	162463	-13669	SLE RA 12	-39.8	83007	161828	-13676	SLE RA 13	-419.2	Si
1600	96598	196592	-13560	SLE RA 12	-43.8	97763	195842	-13568	SLE RA 13	-450.3	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	-74175	93722	-60984	SLE QP 2	-50.5	Si
-111	-68133	90042	-60875	SLE QP 2	-49.6	Si
-81	-61987	86298	-60765	SLE QP 2	-48.7	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
-52	-55840	82555	-60654	SLE QP 2	-47.8	Si
-22	-49694	78811	-60544	SLE QP 2	-46.9	Si
7	-43548	75067	-60434	SLE QP 2	-46	Si
36	-37401	71323	-60324	SLE QP 2	-45.1	Si
66	-31255	67580	-60213	SLE QP 2	-44.2	Si
95	-25108	63836	-60103	SLE QP 2	-43.3	Si
125	-18901	60055	-59992	SLE QP 2	-42.4	Si
154	-12816	56349	-59882	SLE QP 2	-41.5	Si
184	-6669	52605	-59772	SLE QP 2	-40.6	Si
213	-615	48917	-59664	SLE QP 2	-39.7	Si
242	5623	45117	-59552	SLE QP 2	-39.6	Si
272	11770	41374	-59441	SLE QP 2	-39.5	Si
301	17916	37630	-59331	SLE QP 2	-39.5	Si
331	24063	33886	-59221	SLE QP 2	-39.4	Si
360	30104	30206	-59112	SLE QP 2	-39.4	Si
380	13702	-177899	-48165	SLE QP 2	-48.3	Si
409	10754	-148334	-48056	SLE QP 2	-44.7	Si
438	7806	-118769	-47948	SLE QP 2	-41.2	Si
467	4859	-89204	-47839	SLE QP 2	-37.7	Si
496	1911	-59639	-47730	SLE QP 2	-34.1	Si
525	-1037	-30074	-47621	SLE QP 2	-30.7	Si
554	-3984	-509	-47513	SLE QP 2	-27.6	Si
583	-6932	29056	-47404	SLE QP 2	-30.9	Si
612	-9880	58621	-47295	SLE QP 2	-34.3	Si
641	-12828	88186	-47186	SLE QP 2	-37.7	Si
670	-15775	117751	-47078	SLE QP 2	-41.1	Si
690	9143	-78875	-36137	SLE QP 2	-30.1	Si
719	6635	-61387	-36031	SLE QP 2	-27.9	Si
748	4084	-43591	-35922	SLE QP 2	-25.7	Si
777	1532	-25796	-35813	SLE QP 2	-23.5	Si
806	-1020	-8001	-35704	SLE QP 2	-21.5	Si
835	-3572	9794	-35596	SLE QP 2	-21.8	Si
864	-6123	27590	-35487	SLE QP 2	-23.9	Si
893	-8675	45385	-35378	SLE QP 2	-25.9	Si
922	-11227	63180	-35269	SLE QP 2	-28	Si
951	-13778	80975	-35161	SLE QP 2	-30.1	Si
980	-16286	98464	-35054	SLE QP 2	-32.1	Si
1000	-5531	-103553	-24070	SLE QP 2	-25.7	Si
1029	-7507	-83284	-23961	SLE QP 2	-23.5	Si
1058	-9483	-63015	-23852	SLE QP 2	-21.3	Si
1087	-11459	-42746	-23743	SLE QP 2	-19.1	Si
1116	-13436	-22478	-23635	SLE QP 2	-17	Si
1145	-15412	-2209	-23526	SLE QP 2	-14.8	Si
1174	-17388	18060	-23417	SLE QP 2	-16.6	Si
1203	-19364	38329	-23308	SLE QP 2	-19	Si
1232	-21340	58598	-23200	SLE QP 2	-21.3	Si
1261	-23316	78867	-23091	SLE QP 2	-23.6	Si
1290	-25293	99135	-22982	SLE QP 2	-25.9	Si
1310	-50675	-117562	-11796	SLE QP 2	-23.3	Si
1339	-36911	-91229	-11689	SLE QP 2	-19.3	Si
1368	-22906	-64434	-11580	SLE QP 2	-15.3	Si
1397	-8900	-37639	-11472	SLE QP 2	-11.4	Si
1426	5105	-10844	-11363	SLE QP 2	-8.1	Si
1455	19110	15951	-11254	SLE QP 2	-9.5	Si
1484	33116	42745	-11145	SLE QP 2	-13.4	Si
1513	47121	69540	-11037	SLE QP 2	-17.3	Si
1542	61127	96335	-10928	SLE QP 2	-21.1	Si
1571	75132	123130	-10819	SLE QP 2	-25	Si
1600	89138	149925	-10710	SLE QP 2	-35	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

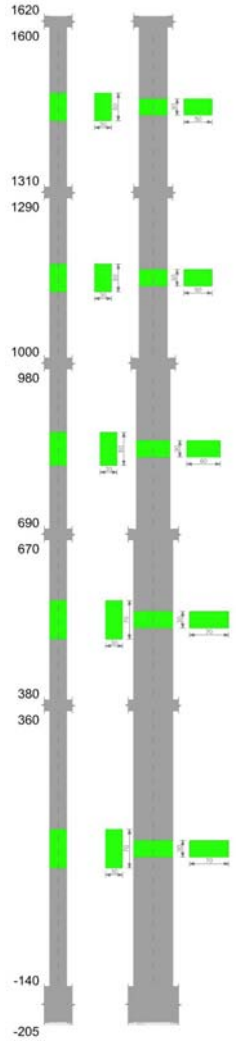
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.

Pilastro 35

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x70	No	No	No	No		C30/37	B450C	
380	670	R 30x70	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.67	-29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.67	29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.67	29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	-18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	-6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	-18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	-6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.2	-9.67	-29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.67	-29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.67	29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.67	29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	-18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	-6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	-18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	-6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	18.42	1.6	2.011	-140	380	R 30x70	B450C
p.3	-9.67	-29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	9.67	-29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	9.67	29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	-9.67	29.67	1.6	2.011	380	690	R 30x70	B450C
p.5	-9.9	-18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	-9.9	18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	9.9	-18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	9.9	18.42	1.6	2.011	380	690	R 30x70	B450C
p.6	-9.9	-6.14	1.6	2.011	380	690	R 30x70	B450C
p.6	-9.9	6.14	1.6	2.011	380	690	R 30x70	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	9.9	-6.14	1.6	2.011	380	690	R 30x70	B450C
p.6	9.9	6.14	1.6	2.011	380	690	R 30x70	B450C
p.7	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.7	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.9	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.9	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.9	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.9	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.10	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.10	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.11	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.12	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.13	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.13	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.13	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.13	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	2.3	0	1,2	604641	-604641	-222909	967634	-967634	SLU 52	1.6	Si
-111	24.13	2.3	0	1,2	604106	-604106	-222712	967634	-967634	SLU 52	1.602	Si
-81	24.13	1.1	0	2	603561	-603561	-222511	967634	-967634	SLU 52	1.603	Si
-52	24.13	1.1	0	2	603017	-603017	-222310	967634	-967634	SLU 52	1.605	Si
-22	24.13	1.1	0	2	602472	-602472	-222110	967634	-967634	SLU 52	1.606	Si
7	24.13	1.1	0	2	601928	-601928	-221909	967634	-967634	SLU 52	1.608	Si
36	24.13	1.1	0	2	601383	-601383	-221708	967634	-967634	SLU 52	1.609	Si
66	24.13	1.1	0	2	600839	-600839	-221507	967634	-967634	SLU 52	1.61	Si
95	24.13	1.1	0	2	600294	-600294	-221307	967634	-967634	SLU 52	1.612	Si
125	24.13	1.1	0	2	599744	-599744	-221104	967634	-967634	SLU 52	1.613	Si
154	24.13	1.1	0	2	599205	599205	-220905	967634	967634	SLU 52	1.615	Si
184	24.13	1.1	0	2	598661	598661	-220704	967634	967634	SLU 52	1.616	Si
213	24.13	1.1	0	2	598124	598124	-220507	967634	967634	SLU 52	1.618	Si
242	24.13	1.1	0	2	597572	597572	-220303	967634	967634	SLU 52	1.619	Si
272	24.13	1.1	0	2	597027	597027	-220102	967634	967634	SLU 52	1.621	Si
301	24.13	1.1	0	2	596483	596483	-219901	967634	967634	SLU 52	1.622	Si
331	24.13	1.1	0	2	595938	595938	-219701	967634	967634	SLU 52	1.624	Si
360	24.13	1.1	0	2	595403	595403	-219503	967634	967634	SLU 52	1.625	Si
380	24.13	2.3	0	2,3,5,6	-359167	-359167	-179583	-763108	-763108	SLU 52	2.125	Si
409	24.13	2.3	0	2,3,5,6	-358778	-358778	-179389	-763108	-763108	SLU 52	2.127	Si
438	24.13	1.1	0	3,5,6	-358382	-358382	-179191	-763108	-763108	SLU 52	2.129	Si
467	24.13	1.1	0	3,5,6	-357986	-357986	-178993	-763108	-763108	SLU 52	2.132	Si
496	24.13	1.1	0	3,5,6	-357590	-357590	-178795	-763108	-763108	SLU 52	2.134	Si
525	24.13	1.1	0	3,5,6	-357194	-357194	-178597	-763108	-763108	SLU 52	2.136	Si
554	24.13	1.1	0	3,5,6	356799	-356799	-178399	763108	-763108	SLU 52	2.139	Si
583	24.13	1.1	0	3,5,6	356403	356403	-178201	763108	763108	SLU 52	2.141	Si
612	24.13	1.1	0	3,5,6	356007	356007	-178003	763108	763108	SLU 52	2.144	Si
641	24.39	1.5	0	3,4,5,6	355611	355611	-177806	764835	764835	SLU 52	2.151	Si
670	31.44	1.9	0	3,4,5,6	355215	355215	-177608	811233	811233	SLU 52	2.284	Si
690	24.13	2.5	0	4,5,6,7,9,10	-276271	-276271	-138136	-673235	-673235	SLU 52	2.437	Si
719	21.83	2.5	0	4,5,6,7,9,10	-275938	-275938	-137969	-658510	-658510	SLU 52	2.386	Si
748	20.11	1.1	0	7,9,10	-275598	-275598	-137799	-647491	-647491	SLU 52	2.349	Si
777	20.11	1.1	0	7,9,10	-275259	-275259	-137630	-647491	-647491	SLU 52	2.352	Si
806	20.11	1.1	0	7,9,10	-274920	-274920	-137460	-647491	-647491	SLU 52	2.355	Si
835	20.11	1.1	0	7,9,10	274581	274581	-137290	647491	647491	SLU 52	2.358	Si
864	20.11	1.1	0	7,9,10	274241	274241	-137121	647491	647491	SLU 52	2.361	Si
893	20.11	1.1	0	7,9,10	273902	273902	-136951	647491	647491	SLU 52	2.364	Si
922	20.11	1.1	0	7,9,10	273563	273563	-136781	647491	647491	SLU 52	2.367	Si
951	20.37	1.6	0	7,8,9,10	273223	273223	-136612	649217	649217	SLU 52	2.376	Si
980	27.42	2	0	7,8,9,10	272884	272884	-136442	695580	695580	SLU 52	2.549	Si
1000	20.11	2.4	0	8,9,10,11	-197573	-197573	-98787	-556148	-556148	SLU 52	2.815	Si
1029	17.8	2.4	0	8,9,10,11	-197295	-197295	-98648	-541580	-541580	SLU 52	2.745	Si
1058	16.08	1.1	0	11	-197012	-197012	-98506	-530708	-530708	SLU 52	2.694	Si
1087	16.08	1.1	0	11	-196730	-196730	-98365	-530708	-530708	SLU 52	2.698	Si
1116	16.08	1.1	0	11	-196447	-196447	-98223	-530708	-530708	SLU 52	2.702	Si
1145	16.08	1.1	0	11	-196164	-196164	-98082	-530708	-530708	SLU 52	2.705	Si
1174	16.08	1.1	0	11	195881	195881	-97941	530708	530708	SLU 52	2.709	Si
1203	16.08	1.1	0	11	195599	195599	-97799	530708	530708	SLU 52	2.713	Si
1232	16.08	1.1	0	11	195316	195316	-97658	530708	530708	SLU 52	2.717	Si
1261	16.08	1.1	0	11	195033	195033	-97517	530708	530708	SLU 52	2.721	Si
1290	16.08	1.1	0	11	194750	194750	-97375	530708	530708	SLU 52	2.725	Si
1310	16.08	2.1	0	11,12,13	-262590	-121689	-60844	-1045837	-484658	SLU 52	3.983	Si
1339	16.08	2.1	0	11,12,13	-191209	-121411	-60705	-803404	-510131	SLU 52	4.202	Si
1368	16.08	1.1	0	12,13	-121128	-121128	-60564	-530708	-530708	SLU 52	4.381	Si
1397	16.08	1.1	0	12,13	-120845	-120845	-60423	-530708	-530708	SLU 52	4.392	Si
1426	16.08	1.1	0	12,13	120563	-120563	-60281	530708	-530708	SLU 52	4.402	Si
1455	16.08	1.1	0	12,13	120280	120280	-60140	530708	530708	SLU 52	4.412	Si
1484	16.08	1.1	0	12,13	171956	119997	-59999	739078	515757	SLU 52	4.298	Si
1513	16.08	1.1	0	12,13	244589	119714	-59857	1000963	489923	SLU 52	4.092	Si
1542	16.08	1.1	0	12,13	317222	119432	-59716	1228270	462435	SLU 52	3.872	Si
1571	16.08	1.1	0	12,13	389855	139660	-59574	1395370	499872	SLU 52	3.579	Si
1600	22.11	2.1	0	12,13	461298	170247	-59375	1622705	598876	SLU 51	3.518	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	24.13	2.3	0	1,2	-1528038	-448797	-131804	-2.02	1.92	-2467118	-724612	SLV 13	1.615				Si
-111	24.13	2.3	0	1,2	-1409265	-406886	-131652	-2.02	1.92	-2415382	-697374	SLV 13	1.714				Si
-81	24.13	1.1	0	2	-1288498	-364255	-131498	-2.02	1.92	-2346234	-663274	SLV 13	1.821				Si
-52	24.13	1.1	0	2	-1167811	-321632	-131343	-2.02	1.92	-2258636	-622060	SLV 13	1.934				Si
-22	24.13	1.1	0	2	974921	261397	-140594	-2.02	1.92	1981459	531272	SLV 3	2.032				Si
7	24.13	1.1	0	2	878547	222204	-140440	-2.02	1.92	1871216	473271	SLV 3	2.13				Si
36	24.13	1.1	0	2	782373	183037	-140285	-2.02	1.92	1748056	408960	SLV 3	2.234				Si
66	24.13	1.1	0	2	686523	143928	-140131	-2.02	1.92	1612460	338048	SLV 3	2.349				Si
95	24.13	1.1	0	2	679545	44947	-141111	-2.02	1.92	1678979	111052	SLV 1	2.471				Si
125	24.13	1.1	0	2	568903	28729	-140955	-2.02	1.92	1471382	74303	SLV 1	2.586				Si
154	24.13	1.1	0	2	463512	15216	-140802	-2.02	1.92	1253265	41142	SLV 1	2.704				Si
184	24.13	1.1	0	2	363184	17034	-140647	-2.02	1.92	998732	46843	SLV 1	2.75				Si
213	24.13	1.1	0	2	278238	-22676	-140495	-2.02	1.92	765963	-62426	SLV 1	2.753				Si
242	24.13	1.1	0	2	207126	-38917	-140339	-2.02	1.92	570836	-107255	SLV 1	2.756				Si
272	24.13	1.1	0	2	35475	-55200	-140184	-2.02	1.92	97877	-152297	SLV 1	2.759				Si
301	24.13	1.1	0	2	325276	191126	-129490	-2.02	1.92	877755	515752	SLV 13	2.698				Si
331	24.13	1.1	0	2	435183	233687	-129336	-2.02	1.92	1103300	592457	SLV 13	2.535				Si
360	24.13	1.1	0	2	548589	275554	-129184	-2.02	1.92	1310760	658389	SLV 13	2.389				Si
380	24.13	2.3	0	2,3,5,6	-486166	-447785	-104972	-2.02	1.92	-1181773	-1088477	SLV 13	2.431				Si
409	24.13	2.3	0	2,3,5,6	-398634	-365326	-104822	-2.02	1.92	-1065627	-976590	SLV 13	2.673				Si
438	24.13	1.1	0	3,5,6	-314699	-281532	-104670	-2.02	1.92	-924919	-827437	SLV 13	2.939				Si
467	24.13	1.1	0	3,5,6	-240440	-197999	-104517	-2.02	1.92	-779245	-641697	SLV 13	3.241				Si
496	24.13	1.1	0	3,5,6	145424	32721	-113253	-2.02	1.92	496638	111745	SLV 1	3.415				Si
525	24.13	1.1	0	3,5,6	-115218	2206	-113101	-2.02	1.92	-394011	7542	SLV 1	3.42				Si
554	24.13	1.1	0	3,5,6	-200034	-35509	-112949	-2.02	1.92	-684977	-121593	SLV 1	3.424				Si
583	24.13	1.1	0	3,5,6	-171509	-135565	-111885	-2.02	1.92	-572249	-452320	SLV 3	3.337				Si
612	24.13	1.1	0	3,5,6	376380	225646	-103756	-2.02	1.92	1141228	684186	SLV 13	3.032				Si
641	24.39	1.5	0	3,4,5,6	465921	309344	-103604	-2.02	1.92	1286244	853991	SLV 13	2.761				Si
670	31.44	1.9	0	3,4,5,6	558311	393206	-103452	-2.02	1.92	1486236	1046723	SLV 13	2.662				Si
690	24.13	2.5	0	4,5,6,7,9,10	-409558	-331931	-79615	-2.02	1.92	-1114808	-903510	SLV 13	2.722				Si
719	21.83	2.5	0	4,5,6,7,9,10	-331919	-262580	-79487	-2.02	1.92	-991852	-784651	SLV 13	2.988				Si
748	20.11	1.1	0	7,9,10	-257786	-192313	-79356	-2.02	1.92	-848356	-632889	SLV 13	3.291				Si
777	20.11	1.1	0	7,9,10	-145316	-140639	-82469	-2.02	1.92	-522819	-505992	SLV 9	3.598				Si
806	20.11	1.1	0	7,9,10	-127664	-2210	-86128	-2.02	1.92	-488064	-8449	SLV 1	3.823				Si
835	20.11	1.1	0	7,9,10	-155436	-22196	-85998	-2.02	1.92	-595138	-84985	SLV 1	3.829				Si
864	20.11	1.1	0	7,9,10	201079	99226	-78834	-2.02	1.92	760717	375389	SLV 13	3.783				Si
893	20.11	1.1	0	7,9,10	270716	168040	-78704	-2.02	1.92	912906	566663	SLV 13	3.372				Si
922	20.11	1.1	0	7,9,10	347466	238140	-78573	-2.02	1.92	1047963	718233	SLV 13	3.016				Si
951	20.37	1.6	0	7,8,9,10	427857	308641	-78443	-2.02	1.92	1153103	831807	SLV 13	2.695				Si
980	27.42	2	0	7,8,9,10	510277	379317	-78312	-2.02	1.92	1314586	977206	SLV 13	2.576				Si
1000	20.11	2.4	0	8,9,10,11	-327751	-302140	-55628	-2.02	1.92	-882630	-813658	SLV 13	2.693				Si
1029	17.8	2.4	0	8,9,10,11	-262966	-241013	-55521	-2.02	1.92	-804798	-737613	SLV 13	3.06				Si
1058	16.08	1.1	0	11	-131764	-204008	-57648	-2.02	1.92	-458486	-709866	SLV 9	3.48				Si
1087	16.08	1.1	0	11	-94334	-133519	-57539	-2.02	1.92	-376453	-532828	SLV 9	3.991				Si
1116	16.08	1.1	0	11	-108221	-45229	-60173	-2.02	1.92	-474437	-198282	SLV 1	4.384				Si
1145	16.08	1.1	0	11	-105045	-24658	-60064	-2.02	1.92	-475287	-111567	SLV 1	4.525				Si
1174	16.08	1.1	0	11	-104605	-66506	-59533	-2.02	1.92	-448895	-285398	SLV 3	4.291				Si
1203	16.08	1.1	0	11	177448	136654	-54868	-2.02	1.92	677261	521563	SLV 13	3.817				Si
1232	16.08	1.1	0	11	236448	198551	-54760	-2.02	1.92	781584	656314	SLV 13	3.306				Si
1261	16.08	1.1	0	11	297006	260703	-54651	-2.02	1.92	845111	741814	SLV 13	2.845				Si
1290	16.08	1.1	0	11	358392	322965	-54542	-2.02	1.92	875163	788655	SLV 13	2.442				Si
1310	16.08	2.1	0	11,12,13	-342938	-289066	-32389	-2.02	1.92	-927606	-781890	SLV 13	2.705				Si
1339	16.08	2.1	0	11,12,13	-255061	-224270	-32282	-2.02	1.92	-906022	-796646	SLV 13	3.552				Si
1368	16.08	1.1	0	12,13	-22877	-181231	-34532	-2.02	1.92	-122166	-967805	SLV 5	5.34				Si
1397	16.08	1.1	0	12,13	29110	-92757	-35278	-2.02	1.92	191169	-609148	SLV 1	6.567				Si
1426	16.08	1.1	0	12,13	-27727	-29182	-35169	-2.02	1.92	-214261	-225505	SLV 1	7.727				Si
1455	16.08	1.1	0	12,13	125071	42745	-31847	-2.02	1.92	868977	296989	SLV 13	6.948				Si
1484	16.08	1.1	0	12,13	208110	106988	-31739	-2.02	1.92	1082109	556305	SLV 13	5.2				Si
1513	16.08	1.1	0	12,13	296892	172680	-31630	-2.02	1.92	1129540	656969	SLV 13	3.805				Si
1542	16.08	1.1	0	12,13	386514	238557	-31521	-2.02	1.92	1101178	679647	SLV 13	2.849				Si
1571	16.08	1.1	0	12,13	476501	304495	-31412	-2.02	1.92	1060533	677705	SLV 13	2.226				Si
1600	22.11	2.1	0	12,13	566677	370461	-31304	-2.02	1.92	1157392	756638	SLV 13	2.042				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	2.3	0	1,2	-647747	-185103	-134670	-1545590	-441674	SLD 13	2.386	Si
-111	24.13	2.3	0	1,2	-594118	-167671	-134518	-1456935	-411173	SLD 13	2.452	Si
-81	24.13	1.1	0	2	-539588	-149940	-134364	-1361610	-378361	SLD 13	2.523	Si
-52	24.13	1.1	0	2	-485093	-132212	-134210	-1260662	-343593	SLD 13	2.599	Si
-22	24.13	1.1	0	2	-430648	-114489	-134055	-1153599	-306688	SLD 13	2.679	Si
7	24.13	1.1	0	2	-376264	-96774	-133901	-1039842	-267444	SLD 13	2.764	Si
36	24.13	1.1	0	2	345403	26955	-137870	968973	75619	SLD 1	2.805	Si
66	24.13	1.1	0	2	308701	21611	-137715	866981	60695	SLD 1	2.808	Si
95	24.13	1.1	0	2	272436	16301	-137561	765992	45832	SLD 1	2.812	Si
125	24.13	1.1	0	2	236530	11031	-137405	665790	31049	SLD 1	2.815	Si
154	24.13	1.1	0	2	202836	6761	-137252	571583	19053	SLD 1	2.818	Si
184	24.13	1.1	0	2	171757	8669	-137098	484551	24457	SLD 1	2.821	Si
213	24.13	1.1	0	2	147574	-5878	-136945	416788	-16602	SLD 1	2.824	Si
242	24.13	1.1	0	2	128115	-11155	-136789	362246	-31542	SLD 1	2.828	Si
272	24.13	1.1	0	2	63117	-16460	-136634	178664	-46595	SLD 1	2.831	Si
301	24.13	1.1	0	2	-23563	-21802	-136480	-66774	-61785	SLD 1	2.834	Si
331	24.13	1.1	0	2	-55141	-27161	-136325	-156440	-77058	SLD 1	2.837	Si
360	24.13	1.1	0	2	289961	116197	-132050	823403	329965	SLD 13	2.84	Si
380	24.13	2.3	0	2,3,5,6	-274308	-197886	-107402	-860969	-621104	SLD 13	3.139	Si
409	24.13	2.3	0	2,3,5,6	-223659	-162161	-107252	-738647	-535546	SLD 13	3.303	Si
438	24.13	1.1	0	3,5,6	-174202	-125859	-107100	-607059	-438595	SLD 13	3.485	Si
467	24.13	1.1	0	3,5,6	52190	12116	-110432	182788	42433	SLD 1	3.502	Si
496	24.13	1.1	0	3,5,6	46583	3952	-110280	163375	13861	SLD 1	3.507	Si
525	24.13	1.1	0	3,5,6	-46464	-4319	-110127	-163182	-15167	SLD 1	3.512	Si
554	24.13	1.1	0	3,5,6	-63672	-15329	-109975	-223926	-53912	SLD 1	3.517	Si
583	24.13	1.1	0	3,5,6	-53185	-23125	-109823	-187305	-81442	SLD 1	3.522	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
612	24.13	1.1	0	3,5,6	-48041	-31469	-109671	-169423	-110980	SLD 1	3.527	Si
641	24.39	1.5	0	3,4,5,6	252873	130185	-106034	859528	442507	SLD 13	3.399	Si
670	31.44	1.9	0	3,4,5,6	305805	166517	-105882	1047219	570233	SLD 13	3.424	Si
690	24.13	2.5	0	4,5,6,7,9,10	-227169	-155874	-81552	-802518	-550654	SLD 13	3.533	Si
719	21.83	2.5	0	4,5,6,7,9,10	-182846	-123281	-81424	-673950	-454399	SLD 13	3.686	Si
748	20.11	1.1	0	7,9,10	-139636	-90248	-81293	-541391	-349907	SLD 13	3.877	Si
777	20.11	1.1	0	7,9,10	21092	2839	-83928	82750	11140	SLD 1	3.923	Si
806	20.11	1.1	0	7,9,10	-61206	-4716	-83797	-240502	-18531	SLD 1	3.929	Si
835	20.11	1.1	0	7,9,10	-57463	-6896	-83667	-226146	-27140	SLD 1	3.935	Si
864	20.11	1.1	0	7,9,10	-46924	-4681	-83536	-184956	-18451	SLD 1	3.942	Si
893	20.11	1.1	0	7,9,10	-43916	-5560	-83406	-173374	-21948	SLD 1	3.948	Si
922	20.11	1.1	0	7,9,10	182744	111856	-80510	677946	414964	SLD 13	3.71	Si
951	20.37	1.6	0	7,8,9,10	228370	144989	-80380	798137	506726	SLD 13	3.495	Si
980	27.42	2	0	7,8,9,10	274797	178201	-80249	968049	627762	SLD 13	3.523	Si
1000	20.11	2.4	0	8,9,10,11	-184422	-155315	-57013	-691831	-582639	SLD 13	3.751	Si
1029	17.8	2.4	0	8,9,10,11	-114567	-138423	-57802	-452893	-547200	SLD 9	3.953	Si
1058	16.08	1.1	0	11	-88000	-104100	-57693	-369657	-437291	SLD 9	4.201	Si
1087	16.08	1.1	0	11	-63207	-69915	-57584	-288717	-319360	SLD 9	4.568	Si
1116	16.08	1.1	0	11	-58259	-28612	-58544	-270450	-132822	SLD 1	4.642	Si
1145	16.08	1.1	0	11	-46692	-13716	-58435	-217158	-63791	SLD 1	4.651	Si
1174	16.08	1.1	0	11	-44128	-8591	-58326	-205615	-40028	SLD 1	4.659	Si
1203	16.08	1.1	0	11	84724	62681	-56254	390700	289053	SLD 13	4.611	Si
1232	16.08	1.1	0	11	117866	93455	-56145	499832	396312	SLD 13	4.241	Si
1261	16.08	1.1	0	11	151633	124350	-56036	594727	487721	SLD 13	3.922	Si
1290	16.08	1.1	0	11	185732	155298	-55928	676526	565671	SLD 13	3.642	Si
1310	16.08	2.1	0	11,12,13	-231187	-155948	-33293	-1008057	-679990	SLD 13	4.36	Si
1339	16.08	2.1	0	11,12,13	-171322	-120610	-33186	-895443	-630390	SLD 13	5.227	Si
1368	16.08	1.1	0	12,13	-53295	-93627	-34020	-347169	-609893	SLD 5	6.514	Si
1397	16.08	1.1	0	12,13	-18253	-54993	-33912	-139782	-421137	SLD 5	7.658	Si
1426	16.08	1.1	0	12,13	-4531	-13888	-34133	-36077	-110577	SLD 1	7.962	Si
1455	16.08	1.1	0	12,13	81505	24788	-32751	628057	191013	SLD 13	7.706	Si
1484	16.08	1.1	0	12,13	139786	59922	-32643	895779	383991	SLD 13	6.408	Si
1513	16.08	1.1	0	12,13	200429	95764	-32534	1073650	512981	SLD 13	5.357	Si
1542	16.08	1.1	0	12,13	261421	131694	-32425	1162372	585559	SLD 13	4.446	Si
1571	16.08	1.1	0	12,13	322563	167653	-32316	1190709	618876	SLD 13	3.691	Si
1600	22.11	2.1	0	12,13	383782	203626	-32208	1293124	686102	SLD 13	3.369	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	6X/2Y Ø8/10	126	-222729	SLU 51	17927	52894	53306	2	420.82	626	-221815	SLU 49	17432	52657	54584	2.3	84.14	Si
-111	6X/2Y Ø8/10	126	-222531	SLU 51	17927	52894	53380	2	420.82	626	-221618	SLU 49	17432	53802	53856	2.35	85.97	Si
-81	6X/2Y Ø8/10	126	-222331	SLU 51	17927	52894	53455	2	420.82	626	-221417	SLU 49	17432	53802	53931	2.35	85.97	Si
-52	6X/2Y Ø8/10	126	-222130	SLU 51	17927	52894	53530	2	420.82	626	-221216	SLU 49	17432	53802	54007	2.35	85.97	Si
-22	6X/2Y Ø8/15	126	-221929	SLU 51	17927	44078	46211	2.5	350.68	637	-198943	SLU 23	17432	38157	59670	2.5	59.86	Si
7	6X/2Y Ø8/15	126	-221728	SLU 51	17927	44078	46276	2.5	350.68	637	-198789	SLU 23	17432	38157	59726	2.5	59.86	Si
36	6X/2Y Ø8/15	126	-221528	SLU 51	17927	44078	46340	2.5	350.68	637	-198635	SLU 23	17432	38157	59781	2.5	59.86	Si
66	6X/2Y Ø8/15	126	-221327	SLU 51	17927	44078	46405	2.5	350.68	637	-198480	SLU 23	17432	38157	59836	2.5	59.86	Si
95	6X/2Y Ø8/15	126	-221126	SLU 51	17927	44078	46469	2.5	350.68	637	-198326	SLU 23	17432	38157	59892	2.5	59.86	Si
125	6X/2Y Ø8/15	126	-220924	SLU 51	17927	44078	46535	2.5	350.68	637	-198170	SLU 23	17432	38157	59948	2.5	59.86	Si
154	6X/2Y Ø8/15	126	-220725	SLU 51	17927	44078	46599	2.5	350.68	637	-198017	SLU 23	17432	38157	60002	2.5	59.86	Si
184	6X/2Y Ø8/15	126	-220524	SLU 51	17927	44078	46663	2.5	350.68	637	-197863	SLU 23	17432	38157	60058	2.5	59.86	Si
213	6X/2Y Ø8/15	126	-220326	SLU 51	17927	44078	46727	2.5	350.68	637	-197710	SLU 23	17432	38157	60112	2.5	59.86	Si
242	6X/2Y Ø8/10	126	-220123	SLU 51	17927	52894	54279	2	420.82	626	-219209	SLU 49	17432	53802	54758	2.35	85.97	Si
272	6X/2Y Ø8/10	126	-219922	SLU 51	17927	52894	54354	2	420.82	626	-219008	SLU 49	17432	53802	54833	2.35	85.97	Si
301	6X/2Y Ø8/10	126	-219721	SLU 51	17927	52894	54429	2	420.82	626	-218807	SLU 49	17432	53802	54908	2.35	85.97	Si
331	6X/2Y Ø8/10	126	-219520	SLU 51	17927	52894	54504	2	420.82	626	-218607	SLU 49	17432	53802	54984	2.35	85.97	Si
360	6X/2Y Ø8/10	126	-219323	SLU 51	17927	52894	54578	2	420.82	626	-218409	SLU 49	17432	53802	55058	2.35	85.97	Si
380	6X/2Y Ø8/10	382	-179402	SLU 51	17927	60828	62389	2.3	159.19	2115	-167274	SLU 45	17432	57236	65483	2.5	27.06	Si
409	6X/2Y Ø8/10	382	-179207	SLU 51	17927	60828	62389	2.3	159.19	2115	-167079	SLU 45	17432	57236	65483	2.5	27.06	Si
438	6X/2Y Ø8/10	382	-179009	SLU 51	17927	60828	62389	2.3	159.19	2115	-166881	SLU 45	17432	57236	65483	2.5	27.06	Si
467	6X/2Y Ø8/14.4	382	-178812	SLU 51	17927	45774	58834	2.5	119.79	2115	-166683	SLU 45	17432	39625	65483	2.5	18.73	Si
496	6X/2Y Ø8/14.4	382	-178614	SLU 51	17927	45774	58834	2.5	119.79	2115	-166485	SLU 45	17432	39625	65483	2.5	18.73	Si
525	6X/2Y Ø8/14.4	382	-178416	SLU 51	17927	45774	58834	2.5	119.79	2115	-166287	SLU 45	17432	39625	65483	2.5	18.73	Si
554	6X/2Y Ø8/14.4	382	-178218	SLU 51	17927	45774	58834	2.5	119.79	2115	-166089	SLU 45	17432	39625	65483	2.5	18.73	Si
583	6X/2Y Ø8/14.4	382	-178020	SLU 51	17927	45774	58834	2.5	119.79	2115	-165891	SLU 45	17432	39625	65483	2.5	18.73	Si
612	6X/2Y Ø8/10	382	-177822	SLU 51	17927	60828	62389	2.3	159.19	2115	-165694	SLU 45	17432	57236	65483	2.5	27.06	Si
641	6X/2Y Ø8/10	382	-177624	SLU 51	17927	60828	62389	2.3	159.19	2115	-165496	SLU 45	17432	57236	65483	2.5	27.06	Si
670	6X/2Y Ø8/10	382	-177426	SLU 51	17927	60828	62389	2.3	159.19	2115	-165298	SLU 45	17432	57236	65483	2.5	27.06	Si
690	5X/2Y Ø8/10	571	-137995	SLU 51	15366	51792	52691	2.35	90.71	1293	-137044	SLU 49	15029	48385	55356	2.5	37.41	Si
719	5X/2Y Ø8/10	571	-137828	SLU 51	15366	51792	52691	2.35	90.71	1293	-136877	SLU 49	15029	48385	55356	2.5	37.41	Si
748	5X/2Y Ø8/10	571	-137658	SLU 51	15366	51792	52691	2.35	90.71	1293	-136707	SLU 49	15029	48385	55356	2.5	37.41	Si
777	5X/2Y Ø8/14.4	571	-137488	SLU 51	15366	38145	50429	2.5	66.81	1293	-136538	SLU 49	15029	33497	55356	2.5	25.9	Si
806	5X/2Y Ø8/14.4	571	-137319	SLU 51	15366	38145	50429	2.5	66.81	1293	-136368	SLU 49	15029	33497	55356	2.5	25.9	Si
835	5X/2Y Ø8/14.4	571	-137149	SLU 51	15366	38145	50429	2.5	66.81	1293	-136198	SLU 49	15029	33497	55356	2.5	25.9	Si
864	5X/2Y Ø8/14.4	571	-136980	SLU 51	15366	38145	50429	2.5	66.81	1293	-136029	SLU 49	15029	33497	55356	2.5	25.9	Si
893	5X/2Y Ø8/14.4	571	-136810	SLU 51	15366	38145	50429	2.5	66.81	1293	-135859	SLU 49	15029	33497	55356	2.5	25.9	Si
922	5X/2Y Ø8/10	571	-136640	SLU 51	15366	51792	52691	2.35	90.71	1293	-135689	SLU 49	15029	48385	55356	2.5	37.41	Si
951	5X/2Y Ø8/10	571	-136471	SLU 51	15366	51792	52691	2.35	90.71	1293	-135520	SLU 49	15029	48385	55356	2.5	37.41	Si
980	5X/2Y Ø8/10	571	-136301	SLU 51	15366	51792	52691	2.35	90.71	1293	-135350	SLU 49	15029	48385	55356	2.5	37.41	Si
1000	4X/2Y Ø8/10	659	-98684	SLU 51	12805	42315	43268	2.4	64.17	913	-97811	SLU 50	12600	39534	45230	2.5	43.28	Si
1029	4X/2Y Ø8/10	659	-98545	SLU 51	12805	42315	43268	2.4	64.17	913	-97672	SLU 50	12600	39534	45230	2.5	43.28	Si
1058	4X/2Y Ø8/10	659	-98404	SLU 51	12805	42315	43268	2.4	64.17	913	-97530	SLU 50	12600	39534	45230	2.5	43.28	Si
1087	4X/2Y Ø8/14.4	659	-98262	SLU 51	12805	30516	42024	2.5	46.28	913	-97389	SLU 50	12600	27370	45230	2.5	29.96	Si
1116	4X/2Y Ø8/14.4	659	-98121	SLU 51	12805	30516	42024	2.5	46.28	913	-97248	SLU 50	12600	27370	45230	2.5	29.96	Si
1145	4X/2Y Ø8/14.4	659	-97980	SLU 51	12805	30516	42024	2.5	46.28	913	-97106	SLU 50	12600	27370	45230	2.5	29.96	Si
1174	4X/2Y Ø8/14.4	659	-97838	SLU 51	12805	30516	42024	2.5	46.28	913	-96965	SLU 50	12600	27370	45230	2.5	29.96	Si
1203	4X/2Y Ø8/14.4	659	-97697	SLU 51	12805	30516	42024	2.5	46.28	913	-96823	SLU 50	12600	27370	45230	2.5	29.96	Si
1232	4X/2Y Ø8/10	659	-97556	SLU 51	12805	42315	43268	2.4	64.17	913	-96682	SLU 50	12600	39534	45230	2.5	43.28	Si
1261	4X/2Y Ø8/10	659	-97414	SLU 51	12805	42315	43268	2.4	64.17	913	-96541	SLU 50	12600	39534	45230	2.5	43.28	Si
1290	4X/2Y Ø8/10	659	-97273	SLU 51	12805	42315	43268	2.4	64.17	913	-96399	SLU 50	12600	39534	45230	2.5	43.28	Si
1310	4X/2Y Ø8/10	1011	-60786	SLU 51	12805	42315	42675	2.4	41.87	2505	-60844	SLU 52	12600	39534	44618	2.5	15.78	Si
1339	4X/2Y Ø8/10	1011	-60647	SLU 51	12805	42315	42656	2.4	41.87	2505	-60705	SLU 52	12600	39534	44599	2.5	15.78	Si
1368	4X/2Y Ø8/10	1011	-60506	SLU 51	12805	42315	42637	2.4	41.87	2505	-60564	SLU 52	12600	39534	44579	2.5	15.78	Si
1397	4X/2Y Ø8/14.4	1011	-60364	SLU 51	12805	30516	41394	2.5	30.2	2505	-60423	SLU 52	12600	27370	44560	2.5	10.93	Si
1426	4X/2Y Ø8/14.4	1011	-60223	SLU 51	12805	30516	41376	2.5	30.2	2505	-60281	SLU 52	12600	27370	44540	2.5	10.93	Si
1455	4X/2Y Ø8/14.4	1011	-60082	SLU 51	12805	30516	41358	2.5	30.2	2505	-60140	SLU 52	12600	27370	44521	2.5	10.93	Si
1484	4X/2Y Ø8/14.4	1011	-59940	SLU 51	12805	30516	41339	2.5	30.2	2505	-59999	SLU 52	12600	27370	44501	2.5	10.93	Si
1513	4X/2Y Ø8/14.4	1011	-59799	SLU 51	12805	30516	41321	2.5	30.2	2505	-59857	SLU 52	12600	27370	44481	2.5	10.93	Si
1542	4X/2Y Ø8/10	1011	-59657	SLU 51	12805	42315	42525	2.4	41.87	2505	-59716	SLU 52	12600	39534	44462	2.5	15.78	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1571	4X/2Y Ø8/10	1011	-59516	SLU 51	12805	42315	42506	2.4	41.87	2505	-59574	SLU 52	12600	39534	44442	2.5	15.78	Si
1600	4X/2Y Ø8/10	1011	-59375	SLU 51	12805	42315	42487	2.4	41.87	2505	-59433	SLU 52	12600	39534	44423	2.5	15.78	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	6X/2Y Ø8/10	1649	-136816	SLV 9	17927	60828	62389	2.3	36.88	4705	-130669	SLV 15	17432	57236	65483	2.5	12.16	Si
-111	6X/2Y Ø8/10	1649	-136664	SLV 9	17927	60828	62389	2.3	36.88	4705	-130518	SLV 15	17432	57236	65483	2.5	12.16	Si
-81	6X/2Y Ø8/10	1649	-136510	SLV 9	17927	60828	62389	2.3	36.88	4705	-130363	SLV 15	17432	57236	65483	2.5	12.16	Si
-52	6X/2Y Ø8/10	1649	-136355	SLV 9	17927	60828	62389	2.3	36.88	4705	-130209	SLV 15	17432	57236	65483	2.5	12.16	Si
-22	6X/2Y Ø8/15	1649	-136201	SLV 9	17927	44078	58834	2.5	26.72	4705	-130054	SLV 15	17432	38157	65483	2.5	8.11	Si
7	6X/2Y Ø8/15	1649	-136047	SLV 9	17927	44078	58834	2.5	26.72	4705	-129900	SLV 15	17432	38157	65483	2.5	8.11	Si
36	6X/2Y Ø8/15	1649	-135892	SLV 9	17927	44078	58834	2.5	26.72	4705	-129746	SLV 15	17432	38157	65483	2.5	8.11	Si
66	6X/2Y Ø8/15	1649	-135738	SLV 9	17927	44078	58834	2.5	26.72	4705	-129591	SLV 15	17432	38157	65483	2.5	8.11	Si
95	6X/2Y Ø8/15	1649	-135583	SLV 9	17927	44078	58834	2.5	26.72	4705	-129437	SLV 15	17432	38157	65483	2.5	8.11	Si
125	6X/2Y Ø8/15	1649	-135427	SLV 9	17927	44078	58834	2.5	26.72	4705	-129281	SLV 15	17432	38157	65483	2.5	8.11	Si
154	6X/2Y Ø8/15	1649	-135274	SLV 9	17927	44078	58834	2.5	26.72	4705	-129128	SLV 15	17432	38157	65483	2.5	8.11	Si
184	6X/2Y Ø8/15	1649	-135120	SLV 9	17927	44078	58834	2.5	26.72	4705	-128974	SLV 15	17432	38157	65483	2.5	8.11	Si
213	6X/2Y Ø8/15	1649	-134968	SLV 9	17927	44078	58834	2.5	26.72	4705	-128821	SLV 15	17432	38157	65483	2.5	8.11	Si
242	6X/2Y Ø8/10	1649	-134811	SLV 9	17927	60828	62389	2.3	36.88	4705	-128665	SLV 15	17432	57236	65483	2.5	12.16	Si
272	6X/2Y Ø8/10	1649	-134657	SLV 9	17927	60828	62389	2.3	36.88	4705	-128510	SLV 15	17432	57236	65483	2.5	12.16	Si
301	6X/2Y Ø8/10	1649	-134502	SLV 9	17927	60828	62389	2.3	36.88	4705	-128356	SLV 15	17432	57236	65483	2.5	12.16	Si
331	6X/2Y Ø8/10	1649	-134348	SLV 9	17927	60828	62389	2.3	36.88	4705	-128201	SLV 15	17432	57236	65483	2.5	12.16	Si
360	6X/2Y Ø8/10	1649	-134196	SLV 9	17927	60828	62389	2.3	36.88	4705	-128050	SLV 15	17432	57236	65483	2.5	12.16	Si
380	6X/2Y Ø8/10	3158	-109146	SLV 9	17927	60828	62389	2.3	19.26	3791	-104060	SLV 15	17432	57236	65483	2.5	15.1	Si
409	6X/2Y Ø8/10	3158	-108996	SLV 9	17927	60828	62389	2.3	19.26	3791	-103910	SLV 15	17432	57236	65483	2.5	15.1	Si
438	6X/2Y Ø8/10	3158	-108844	SLV 9	17927	60828	62389	2.3	19.26	3791	-103758	SLV 15	17432	57236	65483	2.5	15.1	Si
467	6X/2Y Ø8/14.4	3158	-108692	SLV 9	17927	45774	58834	2.5	14.5	3791	-103606	SLV 15	17432	39625	65483	2.5	10.45	Si
496	6X/2Y Ø8/14.4	3158	-108539	SLV 9	17927	45774	58834	2.5	14.5	3791	-103454	SLV 15	17432	39625	65483	2.5	10.45	Si
525	6X/2Y Ø8/14.4	3158	-108387	SLV 9	17927	45774	58834	2.5	14.5	3791	-103301	SLV 15	17432	39625	65483	2.5	10.45	Si
554	6X/2Y Ø8/14.4	3158	-108235	SLV 9	17927	45774	58834	2.5	14.5	3791	-103149	SLV 15	17432	39625	65483	2.5	10.45	Si
583	6X/2Y Ø8/14.4	3158	-108083	SLV 9	17927	45774	58834	2.5	14.5	3791	-102997	SLV 15	17432	39625	65483	2.5	10.45	Si
612	6X/2Y Ø8/10	3158	-107930	SLV 9	17927	60828	62389	2.3	19.26	3791	-102845	SLV 15	17432	57236	65483	2.5	15.1	Si
641	6X/2Y Ø8/10	3158	-107778	SLV 9	17927	60828	62389	2.3	19.26	3791	-102692	SLV 15	17432	57236	65483	2.5	15.1	Si
670	6X/2Y Ø8/10	3158	-107626	SLV 9	17927	60828	62389	2.3	19.26	3791	-102540	SLV 15	17432	57236	65483	2.5	15.1	Si
690	5X/2Y Ø8/10	2741	-82858	SLV 9	15366	51792	52691	2.35	18.9	3387	-78945	SLV 15	15029	48385	55356	2.5	14.29	Si
719	5X/2Y Ø8/10	2741	-82730	SLV 9	15366	51792	52691	2.35	18.9	3387	-78817	SLV 15	15029	48385	55356	2.5	14.29	Si
748	5X/2Y Ø8/10	2741	-82599	SLV 9	15366	51792	52691	2.35	18.9	3387	-78686	SLV 15	15029	48385	55356	2.5	14.29	Si
777	5X/2Y Ø8/14.4	2741	-82469	SLV 9	15366	38145	50429	2.5	13.92	3387	-78556	SLV 15	15029	33497	55356	2.5	9.89	Si
806	5X/2Y Ø8/14.4	2741	-82338	SLV 9	15366	38145	50429	2.5	13.92	3387	-78425	SLV 15	15029	33497	55356	2.5	9.89	Si
835	5X/2Y Ø8/14.4	2741	-82208	SLV 9	15366	38145	50429	2.5	13.92	3387	-78295	SLV 15	15029	33497	55354	2.5	9.89	Si
864	5X/2Y Ø8/14.4	2741	-82077	SLV 9	15366	38145	50429	2.5	13.92	3387	-78164	SLV 15	15029	33497	55336	2.5	9.89	Si
893	5X/2Y Ø8/14.4	2741	-81947	SLV 9	15366	38145	50429	2.5	13.92	3387	-78034	SLV 15	15029	33497	55317	2.5	9.89	Si
922	5X/2Y Ø8/10	2741	-81816	SLV 9	15366	51792	52691	2.35	18.9	3387	-77903	SLV 15	15029	48385	55299	2.5	14.29	Si
951	5X/2Y Ø8/10	2741	-81686	SLV 9	15366	51792	52691	2.35	18.9	3387	-77773	SLV 15	15029	48385	55280	2.5	14.29	Si
980	5X/2Y Ø8/10	2741	-81555	SLV 9	15366	51792	52691	2.35	18.9	3387	-77642	SLV 15	15029	48385	55262	2.5	14.29	Si
1000	4X/2Y Ø8/10	2448	-57863	SLV 9	12805	41434	42914	2.35	16.93	2465	-55205	SLV 15	12600	39534	43836	2.5	16.04	Si
1029	4X/2Y Ø8/10	2448	-57756	SLV 9	12805	41434	42899	2.35	16.93	2465	-55098	SLV 15	12600	39534	43822	2.5	16.04	Si
1058	4X/2Y Ø8/10	2448	-57648	SLV 9	12805	41434	42885	2.35	16.93	2465	-54990	SLV 15	12600	39534	43807	2.5	16.04	Si
1087	4X/2Y Ø8/14.4	2448	-57539	SLV 9	12805	30516	41030	2.5	12.47	2465	-54881	SLV 15	12600	27370	43792	2.5	11.11	Si
1116	4X/2Y Ø8/14.4	2448	-57430	SLV 9	12805	30516	41016	2.5	12.47	2465	-54772	SLV 15	12600	27370	43776	2.5	11.11	Si
1145	4X/2Y Ø8/14.4	2448	-57321	SLV 9	12805	30516	41002	2.5	12.47	2465	-54663	SLV 15	12600	27370	43761	2.5	11.11	Si
1174	4X/2Y Ø8/14.4	2448	-57213	SLV 9	12805	30516	40988	2.5	12.47	2465	-54555	SLV 15	12600	27370	43746	2.5	11.11	Si
1203	4X/2Y Ø8/14.4	2448	-57104	SLV 9	12805	30516	40974	2.5	12.47	2465	-54446	SLV 15	12600	27370	43731	2.5	11.11	Si
1232	4X/2Y Ø8/10	2448	-56995	SLV 9	12805	41434	42797	2.35	16.93	2465	-54337	SLV 15	12600	39534	43716	2.5	16.04	Si
1261	4X/2Y Ø8/10	2448	-56886	SLV 9	12805	41434	42782	2.35	16.93	2465	-54228	SLV 15	12600	39534	43701	2.5	16.04	Si
1290	4X/2Y Ø8/10	2448	-56778	SLV 9	12805	41434	42768	2.35	16.93	2465	-54120	SLV 15	12600	39534	43686	2.5	16.04	Si
1310	4X/2Y Ø8/10	2599	-33784	SLV 9	10511	39671	40867	2.25	15.26	3373	-32157	SLV 15	9914	39534	40642	2.5	11.72	Si
1339	4X/2Y Ø8/10	2599	-33677	SLV 9	10498	39671	40853	2.25	15.26	3373	-32051	SLV 15	9899	39534	40627	2.5	11.72	Si
1368	4X/2Y Ø8/10	2599	-33568	SLV 9	10485	39671	40838	2.25	15.26	3373	-31942	SLV 15	9885	39534	40612	2.5	11.72	Si
1397	4X/2Y Ø8/14.4	2599	-33460	SLV 9	10471	30516	37929	2.5	11.74	3373	-31833	SLV 15	9870	27370	40597	2.5	8.11	Si
1426	4X/2Y Ø8/14.4	2599	-33351	SLV 9	10458	30516	37915	2.5	11.74	3373	-31724	SLV 15	9856	27370	40582	2.5	8.11	Si
1455	4X/2Y Ø8/14.4	2599	-33242	SLV 9	10444	30516	37901	2.5	11.74	3373	-31616	SLV 15	9841	27370	40567	2.5	8.11	Si
1484	4X/2Y Ø8/14.4	2599	-33133	SLV 9	10430	30516	37887	2.5	11.74	3373	-31507	SLV 15	9826	27370	40551	2.5	8.11	Si
1513	4X/2Y Ø8/14.4	2599	-33025	SLV 9	10417	30516	37873	2.5	11.74	3373	-31398	SLV 15	9812	27370	40536	2.5	8.11	Si
1542	4X/2Y Ø8/10	2599	-32916	SLV 9	10403	39671	40747	2.25	15.26	3373	-31289	SLV 15	9797	39534	40521	2.5	11.72	Si
1571	4X/2Y Ø8/10	2599	-32807	SLV 9	10390	39671	40732	2.25	15.26	3373	-31181	SLV 15	9783	39534	40506	2.5	11.72	Si
1600	4X/2Y Ø8/10	2599	-32698	SLV 9	10376	39671	40717	2.25	15.26	3373	-31072	SLV 15	9768	39534	40491	2.5	11.72	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	6X/2Y Ø8/10	683	-136639	SLD 9	22477	66118	58834	2.5	86.1	2105	-134219	SLD 15	22496	57236	65483	2.5	27.19	Si
-111	6X/2Y Ø8/10	683	-136488	SLD 9	22477	66118	58834	2.5	86.1	2105	-134068	SLD 15	22496	57236	65483	2.5	27.19	Si
-81	6X/2Y Ø8/10	683	-136333	SLD 9	22477	66118	58834	2.5	86.1	2105	-133913	SLD 15	22496	57236	65483	2.5	27.19	Si
-52	6X/2Y Ø8/10	683	-136179	SLD 9	22477	66118	58834	2.5	86.1	2105	-133759	SLD 15	22496	57236	65483	2.5	27.19	Si
-22	6X/2Y Ø8/15	683	-136024	SLD 9	22477	44078	58834	2.5	64.5	2105	-133604	SLD 15	22496	38157	65483	2.5	18.12	Si
7	6X/2Y Ø8/15	683	-135870	SLD 9	22477	44078	58834	2.5	64.5	2105	-133450	SLD 15	22496	38157	65483	2.5	18.12	Si
36	6X/2Y Ø8/15	683	-135716	SLD 9	22477	44078	58834	2.5	64.5	2105	-133295	SLD 15	22496	38157	65483	2.5	18.12	Si
66	6X/2Y Ø8/15	683	-135561	SLD 9	22477	44078	58834	2.5	64.5	2105	-133141	SLD 15	22496	38157	65483	2.5	18.12	Si
95	6X/2Y Ø8/15	683	-135407	SLD 9	22477	44078	58834	2.5	64.5	2105	-132987	SLD 15	22496	38157	65483	2.5	18.12	Si
125	6X/2Y Ø8/15	683	-135251	SLD 9	22477	44078	58834	2.5	64.5	2105	-132831	SLD 15	22496	38157	65483	2.5	18.12	Si
154	6X/2Y Ø8/15	683	-135098	SLD 9	22477	44078	58834	2.5	64.5	2105	-132678	SLD 15	22496	38157	65483	2.5	18.12	Si
184	6X/2Y Ø8/15	683	-134944	SLD 9	22477	44078	58834	2.5	64.5	2105	-132523	SLD 15	22496	38157	65483	2.5	18.12	Si
213	6X/2Y Ø8/15	683	-134791	SLD 9	22477	44078	58834	2.5	64.5	2105	-132371	SLD 15	22496	38157	65483	2.5	18.12	Si
242	6X/2Y Ø8/10	683	-134635	SLD 9	22477	66118	58834	2.5	86.1	2105	-132215	SLD 15	22496	57236	65483	2.5	27.19	Si
272	6X/2Y Ø8/10	683	-134480	SLD 9	22477	66118	58834	2.5	86.1	2105	-132060	SLD 15	22496	57236	65483	2.5	27.19	Si
301	6X/2Y Ø8/10	683	-134326	SLD 9	22477	66118	58834	2.5	86.1	2105	-131906	SLD 15	22496	57236	65483	2.5	27.19	Si
331	6X/2Y Ø8/10	683	-134171	SLD 9	22477	66118	58834	2.5	86.1	2105	-131751	SLD 15	22496	57236	65483	2.5	27.19	Si
360	6X/2Y Ø8/10	683	-134020	SLD 9	22477	66118	58834	2.5	86.1	2105	-131600	SLD 15	22496	57236	65483	2.5	27.19	Si
380	6X/2Y Ø8/10	1357	-109050	SLD 9	22404	66118	58834	2.5	43.36	2072	-107034	SLD 15	22136	57236	65483	2.5	27.63	Si
409	6X/2Y Ø8/10	1357	-108901	SLD 9	22386	66118	58834	2.5	43.36	2072	-106884	SLD 15	22115	57236	65483	2.5	27.63	Si
438	6X/2Y Ø8/10	1357	-108748	SLD 9	22367	66118	58834	2.5	43.36	2072	-106732	SLD 15	22094	57236	65483	2.5	27.63	Si
467	6X/2Y Ø8/14.4	1357	-108596	SLD 9	22348	45774	58834	2.5	33.73	2072	-106579	SLD 15	22073	39625	65483	2.5	19.13	Si
496	6X/2Y Ø8/14.4	1357	-108444	SLD 9	22329	45774	58834	2.5	33.73	2072	-106427	SLD 15	22052	39625	65483	2.5	19.13	Si
525	6X/2Y Ø8/14.4	1357	-108292	SLD 9	22310	45774	58834	2.5	33.73	2072	-106275	SLD 15	22031	39625	65483	2.5	19.13	Si
554	6X/2Y Ø8/14.4	1357	-108139	SLD 9	22291	45774	58834	2.5	33.73	2072	-106123	SLD 15	22010	39625	65483	2.5	19.13	Si
583	6X/2Y Ø8/14.4	1357	-107987	SLD 9	22272	45774	58834	2.5	33.73	2072	-105970	SLD 15	21988	39625	65483	2.5	19.13	Si
612	6X/2Y Ø8/10	1357	-107835	SLD 9	22253	66118	58834	2.5	43.36	2072	-105818	SLD 15	21967	57236	65483	2.5	27.63	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
641	6X/2Y Ø8/10	1357	-107683	SLD 9	22234	66118	58834	2.5	43.36	2072	-105666	SLD 15	21946	57236	65483	2.5	27.63	Si
670	6X/2Y Ø8/10	1357	-107530	SLD 9	22215	66118	58834	2.5	43.36	2072	-105514	SLD 15	21925	57236	65483	2.5	27.63	Si
690	5X/2Y Ø8/10	1265	-82842	SLD 9	17880	55098	50429	2.5	39.85	1825	-81276	SLD 15	17575	48385	55356	2.5	26.51	Si
719	5X/2Y Ø8/10	1265	-82714	SLD 9	17864	55098	50429	2.5	39.85	1825	-81148	SLD 15	17557	48385	55356	2.5	26.51	Si
748	5X/2Y Ø8/10	1265	-82583	SLD 9	17848	55098	50429	2.5	39.85	1825	-81017	SLD 15	17539	48385	55356	2.5	26.51	Si
777	5X/2Y Ø8/14.4	1265	-82453	SLD 9	17832	38145	50429	2.5	30.15	1825	-80887	SLD 15	17521	33497	55356	2.5	18.35	Si
806	5X/2Y Ø8/14.4	1265	-82322	SLD 9	17816	38145	50429	2.5	30.15	1825	-80756	SLD 15	17503	33497	55356	2.5	18.35	Si
835	5X/2Y Ø8/14.4	1265	-82192	SLD 9	17799	38145	50429	2.5	30.15	1825	-80626	SLD 15	17486	33497	55356	2.5	18.35	Si
864	5X/2Y Ø8/14.4	1265	-82061	SLD 9	17783	38145	50429	2.5	30.15	1825	-80495	SLD 15	17468	33497	55356	2.5	18.35	Si
893	5X/2Y Ø8/14.4	1265	-81931	SLD 9	17767	38145	50429	2.5	30.15	1825	-80365	SLD 15	17450	33497	55356	2.5	18.35	Si
922	5X/2Y Ø8/10	1265	-81800	SLD 9	17751	55098	50429	2.5	39.85	1825	-80234	SLD 15	17432	48385	55356	2.5	26.51	Si
951	5X/2Y Ø8/10	1265	-81670	SLD 9	17734	55098	50429	2.5	39.85	1825	-80104	SLD 15	17414	48385	55356	2.5	26.51	Si
980	5X/2Y Ø8/10	1265	-81539	SLD 9	17718	55098	50429	2.5	39.85	1825	-79973	SLD 15	17396	48385	55356	2.5	26.51	Si
1000	4X/2Y Ø8/10	1188	-57909	SLD 9	13515	44078	41078	2.5	34.59	1317	-56835	SLD 15	13220	39534	44062	2.5	30.03	Si
1029	4X/2Y Ø8/10	1188	-57802	SLD 9	13502	44078	41064	2.5	34.58	1317	-56728	SLD 15	13206	39534	44048	2.5	30.03	Si
1058	4X/2Y Ø8/10	1188	-57693	SLD 9	13488	44078	41050	2.5	34.56	1317	-56619	SLD 15	13191	39534	44032	2.5	30.03	Si
1087	4X/2Y Ø8/14.4	1188	-57584	SLD 9	13475	30516	41036	2.5	25.7	1317	-56510	SLD 15	13177	27370	44017	2.5	20.79	Si
1116	4X/2Y Ø8/14.4	1188	-57475	SLD 9	13461	30516	41022	2.5	25.7	1317	-56402	SLD 15	13162	27370	44002	2.5	20.79	Si
1145	4X/2Y Ø8/14.4	1188	-57367	SLD 9	13448	30516	41008	2.5	25.7	1317	-56293	SLD 15	13148	27370	43987	2.5	20.79	Si
1174	4X/2Y Ø8/14.4	1188	-57258	SLD 9	13434	30516	40994	2.5	25.7	1317	-56184	SLD 15	13133	27370	43972	2.5	20.79	Si
1203	4X/2Y Ø8/14.4	1188	-57149	SLD 9	13420	30516	40980	2.5	25.7	1317	-56075	SLD 15	13119	27370	43957	2.5	20.79	Si
1232	4X/2Y Ø8/10	1188	-57040	SLD 9	13407	44078	40966	2.5	34.49	1317	-55967	SLD 15	13104	39534	43942	2.5	30.03	Si
1261	4X/2Y Ø8/10	1188	-56932	SLD 9	13393	44078	40952	2.5	34.48	1317	-55858	SLD 15	13089	39534	43927	2.5	30.03	Si
1290	4X/2Y Ø8/10	1188	-56823	SLD 9	13380	44078	40938	2.5	34.47	1317	-55749	SLD 15	13075	39534	43912	2.5	30.03	Si
1310	4X/2Y Ø8/10	1369	-33854	SLD 9	10520	44078	37980	2.5	27.74	2216	-33194	SLD 15	10053	39534	40785	2.5	17.84	Si
1339	4X/2Y Ø8/10	1369	-33747	SLD 9	10507	44078	37966	2.5	27.73	2216	-33087	SLD 15	10038	39534	40771	2.5	17.84	Si
1368	4X/2Y Ø8/10	1369	-33639	SLD 9	10493	44078	37952	2.5	27.72	2216	-32978	SLD 15	10024	39534	40755	2.5	17.84	Si
1397	4X/2Y Ø8/14.4	1369	-33530	SLD 9	10480	30516	37938	2.5	22.29	2216	-32870	SLD 15	10009	27370	40740	2.5	12.35	Si
1426	4X/2Y Ø8/14.4	1369	-33421	SLD 9	10466	30516	37924	2.5	22.29	2216	-32761	SLD 15	9995	27370	40725	2.5	12.35	Si
1455	4X/2Y Ø8/14.4	1369	-33312	SLD 9	10453	30516	37910	2.5	22.29	2216	-32652	SLD 15	9980	27370	40710	2.5	12.35	Si
1484	4X/2Y Ø8/14.4	1369	-33204	SLD 9	10439	30516	37896	2.5	22.29	2216	-32543	SLD 15	9965	27370	40695	2.5	12.35	Si
1513	4X/2Y Ø8/14.4	1369	-33095	SLD 9	10426	30516	37882	2.5	22.29	2216	-32435	SLD 15	9951	27370	40680	2.5	12.35	Si
1542	4X/2Y Ø8/10	1369	-32986	SLD 9	10412	44078	37868	2.5	27.66	2216	-32326	SLD 15	9936	39534	40665	2.5	17.84	Si
1571	4X/2Y Ø8/10	1369	-32877	SLD 9	10399	44078	37854	2.5	27.65	2216	-32217	SLD 15	9922	39534	40650	2.5	17.84	Si
1600	4X/2Y Ø8/10	1369	-32769	SLD 9	10385	44078	37840	2.5	27.64	2216	-32108	SLD 15	9907	39534	40635	2.5	17.84	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	-73138	-24659	-158378	SLE RA 12	-68.8	-73138	-24659	-158378	SLE RA 12	-1015.8	Si
-111	-61598	-22077	-158226	SLE RA 12	-68.1	-61598	-22077	-158226	SLE RA 12	-1007.8	Si
-81	-49859	-19451	-158071	SLE RA 12	-67.5	-49859	-19451	-158071	SLE RA 12	-999.7	Si
-52	-38119	-16825	-157917	SLE RA 12	-66.8	-38119	-16825	-157917	SLE RA 12	-991.6	Si
-22	-26380	-14199	-157763	SLE RA 12	-66.1	-26380	-14199	-157763	SLE RA 12	-983.6	Si
7	27458	-10224	-157728	SLE RA 13	-65.8	27458	-10224	-157728	SLE RA 13	-980.8	Si
36	29071	-7692	-157574	SLE RA 13	-65.6	29071	-7692	-157574	SLE RA 13	-978.7	Si
66	30684	-5160	-157420	SLE RA 13	-65.4	30684	-5160	-157420	SLE RA 13	-976.5	Si
95	32296	-2628	-157265	SLE RA 13	-65.2	32296	-2628	-157265	SLE RA 13	-974.4	Si
125	33925	-71	-157109	SLE RA 13	-65	33925	-71	-157109	SLE RA 13	-972.3	Si
154	44057	1558	-156836	SLE RA 12	-65.4	44057	1558	-156836	SLE RA 12	-976.2	Si
184	55796	4184	-156682	SLE RA 12	-65.9	55796	4184	-156682	SLE RA 12	-982.4	Si
213	67359	6771	-156530	SLE RA 12	-66.4	67359	6771	-156530	SLE RA 12	-988.5	Si
242	79275	9436	-156373	SLE RA 12	-67	79275	9436	-156373	SLE RA 12	-994.8	Si
272	91014	12063	-156218	SLE RA 12	-67.6	91014	12063	-156218	SLE RA 12	-1001	Si
301	102754	14689	-156064	SLE RA 12	-68.1	102754	14689	-156064	SLE RA 12	-1007.2	Si
331	114493	17315	-155910	SLE RA 12	-68.6	114493	17315	-155910	SLE RA 12	-1013.5	Si
360	126033	19896	-155758	SLE RA 12	-69.2	126033	19896	-155758	SLE RA 12	-1019.6	Si
380	-221137	-44691	-127591	SLE RA 13	-63	-221137	-44691	-127591	SLE RA 13	-908.6	Si
409	-182651	-37789	-127441	SLE RA 13	-61	-182651	-37789	-127441	SLE RA 13	-885.5	Si
438	-143490	-30766	-127289	SLE RA 13	-59.1	-143490	-30766	-127289	SLE RA 13	-862	Si
467	-104329	-23742	-127137	SLE RA 13	-57.1	-104329	-23742	-127137	SLE RA 13	-838.5	Si
496	-65168	-16719	-126984	SLE RA 13	-55.1	-65168	-16719	-126984	SLE RA 13	-815	Si
525	-26006	-9696	-126832	SLE RA 13	-53.2	-26006	-9696	-126832	SLE RA 13	-791.5	Si
554	33311	-2174	-126559	SLE RA 12	-52.7	33311	-2174	-126559	SLE RA 12	-787.4	Si
583	64986	5806	-126407	SLE RA 12	-54.1	64986	5806	-126407	SLE RA 12	-803.2	Si
612	96661	13787	-126254	SLE RA 12	-55.7	96661	13787	-126254	SLE RA 12	-822.3	Si
641	128335	21767	-126102	SLE RA 12	-57.3	128335	21767	-126102	SLE RA 12	-839.9	Si
670	169799	25420	-126071	SLE RA 13	-56.4	169799	25420	-126071	SLE RA 13	-823.6	Si
690	-121102	-55004	-98015	SLE RA 12	-55.8	-121102	-55004	-98015	SLE RA 12	-796.4	Si
719	-95556	-43412	-97887	SLE RA 12	-54.4	-95556	-43412	-97887	SLE RA 12	-783.4	Si
748	-69562	-31616	-97756	SLE RA 12	-52.7	-69562	-31616	-97756	SLE RA 12	-766.3	Si
777	-43568	-19820	-97626	SLE RA 12	-50.3	-43568	-19820	-97626	SLE RA 12	-739.8	Si
806	-17574	-8025	-97495	SLE RA 12	-48	-17574	-8025	-97495	SLE RA 12	-713.2	Si
835	12049	3230	-97459	SLE RA 13	-47.2	12049	3230	-97459	SLE RA 13	-705.5	Si
864	37072	14688	-97328	SLE RA 13	-49.4	37072	14688	-97328	SLE RA 13	-729.3	Si
893	62095	26145	-97198	SLE RA 13	-51.6	62095	26145	-97198	SLE RA 13	-753.1	Si
922	86402	39158	-96973	SLE RA 12	-53.8	86402	39158	-96973	SLE RA 12	-777.2	Si
951	112396	50953	-96843	SLE RA 12	-56	112396	50953	-96843	SLE RA 12	-800.4	Si
980	138390	62749	-96712	SLE RA 12	-55.2	138390	62749	-96712	SLE RA 12	-784.3	Si
1000	-101817	-74051	-70126	SLE RA 13	-53.6	-101817	-74051	-70126	SLE RA 13	-740.5	Si
1029	-84090	-60934	-70019	SLE RA 13	-52	-84090	-60934	-70019	SLE RA 13	-725.7	Si
1058	-66052	-47586	-69910	SLE RA 13	-49.9	-66052	-47586	-69910	SLE RA 13	-706.5	Si
1087	-48014	-34239	-69801	SLE RA 13	-47.2	-48014	-34239	-69801	SLE RA 13	-676.7	Si
1116	-29975	-20891	-69692	SLE RA 13	-44.4	-29975	-20891	-69692	SLE RA 13	-646.9	Si
1145	-11937	-7544	-69584	SLE RA 13	-41.6	-11937	-7544	-69584	SLE RA 13	-617.1	Si
1174	6487	6256	-69407	SLE RA 12	-41	6487	6256	-69407	SLE RA 12	-609.8	Si
1203	24382	19861	-69298	SLE RA 12	-43.7	24382	19861	-69298	SLE RA 12	-637.9	Si
1232	42278	33466	-69189	SLE RA 12	-46.3	42278	33466	-69189	SLE RA 12	-666	Si
1261	60174	47072	-69080	SLE RA 12	-49	60174	47072	-69080	SLE RA 12	-694.1	Si
1290	78070	60677	-68972	SLE RA 12	-51.7	78070	60677	-68972	SLE RA 12	-722.1	Si
1310	-183722	-86720	-43118	SLE RA 12	-46.9	-183722	-86720	-43118	SLE RA 12	-612.7	Si
1339	-133653	-66327	-43011	SLE RA 12	-41.2	-133653	-66327	-43011	SLE RA 12	-549.5	Si
1368	-82705	-45578	-42902	SLE RA 12	-35.3	-82705	-45578	-42902	SLE RA 12	-485.2	Si
1397	-31757	-24828	-42793	SLE RA 12	-29.5	-31757	-24828	-42793	SLE RA 12	-420.9	Si
1426	19328	-3919	-42723	SLE RA 13	-26.3	19328	-3919	-42723	SLE RA 13	-387.9	Si
1455	70385	16628	-42615	SLE RA 13	-31.1	70385	16628	-42615	SLE RA 13	-441.8	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1484	121442	37176	-42506	SLE RA 13	-36.8	121442	37176	-42506	SLE RA 13	-504.1	Si
1513	172499	57723	-42397	SLE RA 13	-42.6	172499	57723	-42397	SLE RA 13	-566.4	Si
1542	222981	78922	-42249	SLE RA 12	-48.3	223556	78271	-42288	SLE RA 13	-628.7	Si
1571	273929	99671	-42141	SLE RA 12	-54	273929	99671	-42141	SLE RA 12	-691	Si
1600	324877	120421	-42032	SLE RA 12	-56.6	324877	120421	-42032	SLE RA 12	-714.9	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	-84070	-15584	-136506	SLE QP 2	-59.6	Si
-111	-72246	-13913	-136355	SLE QP 2	-59	Si
-81	-60216	-12212	-136200	SLE QP 2	-58.4	Si
-52	-48187	-10512	-136046	SLE QP 2	-57.8	Si
-22	-36158	-8811	-135891	SLE QP 2	-57.1	Si
7	-24129	-7111	-135737	SLE QP 2	-56.5	Si
36	-12100	-5410	-135583	SLE QP 2	-55.9	Si
66	-71	-3710	-135428	SLE QP 2	-55.3	Si
95	11958	-2009	-135274	SLE QP 2	-55.5	Si
125	24108	-292	-135118	SLE QP 2	-55.7	Si
154	36017	1391	-134965	SLE QP 2	-56.2	Si
184	48046	3092	-134810	SLE QP 2	-56.7	Si
213	59895	4767	-134658	SLE QP 2	-57.1	Si
242	72104	6493	-134502	SLE QP 2	-57.6	Si
272	84133	8193	-134347	SLE QP 2	-58.1	Si
301	96163	9894	-134193	SLE QP 2	-58.6	Si
331	108192	11594	-134038	SLE QP 2	-59.1	Si
360	120016	13266	-133887	SLE QP 2	-59.6	Si
380	-134541	-38070	-108960	SLE QP 2	-51.9	Si
409	-107117	-32231	-108810	SLE QP 2	-50.4	Si
438	-79212	-26290	-108658	SLE QP 2	-48.9	Si
467	-51307	-20349	-108506	SLE QP 2	-47.4	Si
496	-23402	-14408	-108353	SLE QP 2	-45.9	Si
525	4503	-8466	-108201	SLE QP 2	-44.8	Si
554	32408	-2525	-108049	SLE QP 2	-45.2	Si
583	60313	3416	-107897	SLE QP 2	-46.2	Si
612	88218	9357	-107744	SLE QP 2	-47.6	Si
641	116123	15298	-107592	SLE QP 2	-48.8	Si
670	144028	21240	-107440	SLE QP 2	-48	Si
690	-109243	-42771	-82796	SLE QP 2	-47.2	Si
719	-86284	-33689	-82668	SLE QP 2	-45.9	Si
748	-62923	-24448	-82538	SLE QP 2	-44.5	Si
777	-39561	-15207	-82407	SLE QP 2	-42.5	Si
806	-16200	-5967	-82277	SLE QP 2	-40.5	Si
835	7161	3274	-82146	SLE QP 2	-39.7	Si
864	30523	12515	-82016	SLE QP 2	-41.6	Si
893	53884	21756	-81885	SLE QP 2	-43.5	Si
922	77245	30997	-81755	SLE QP 2	-45.4	Si
951	100607	40238	-81624	SLE QP 2	-47.2	Si
980	123968	49479	-81494	SLE QP 2	-46.5	Si
1000	-91163	-59476	-57906	SLE QP 2	-44.6	Si
1029	-74776	-48960	-57799	SLE QP 2	-43.1	Si
1058	-58101	-38259	-57690	SLE QP 2	-41.3	Si
1087	-41427	-27559	-57581	SLE QP 2	-39	Si
1116	-24752	-16858	-57473	SLE QP 2	-36.6	Si
1145	-8077	-6158	-57364	SLE QP 2	-34.2	Si
1174	8598	4543	-57255	SLE QP 2	-34	Si
1203	25272	15243	-57146	SLE QP 2	-36.2	Si
1232	41947	25944	-57038	SLE QP 2	-38.5	Si
1261	58622	36645	-56929	SLE QP 2	-40.8	Si
1290	75296	47345	-56820	SLE QP 2	-43	Si
1310	-158991	-67456	-33880	SLE QP 2	-37.8	Si
1339	-117085	-51554	-33773	SLE QP 2	-33.1	Si
1368	-74444	-35374	-33664	SLE QP 2	-28.3	Si
1397	-31803	-19194	-33556	SLE QP 2	-23.6	Si
1426	10838	-3014	-33447	SLE QP 2	-20.3	Si
1455	53479	13167	-33338	SLE QP 2	-24.3	Si
1484	96120	29347	-33229	SLE QP 2	-28.9	Si
1513	138761	45527	-33121	SLE QP 2	-33.6	Si
1542	181402	61707	-33012	SLE QP 2	-38.2	Si
1571	224043	77888	-32903	SLE QP 2	-42.9	Si
1600	266684	94068	-32794	SLE QP 2	-45	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

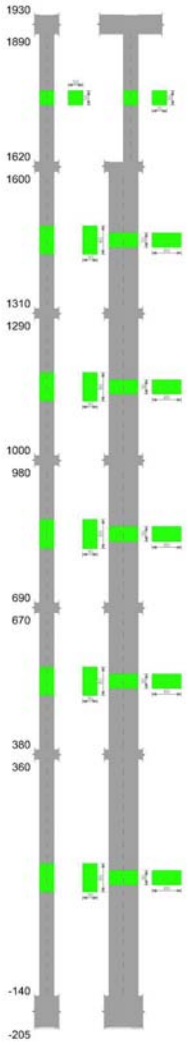
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.

Pilastro 36

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60	No	No	No	No		C30/37	B450C	
380	670	R 30x60	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x60	No	No	No	No		C30/37	B450C	
1310	1600	R 30x60	No	No	No	No		C30/37	B450C	
1620	1890	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.5	-9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.6	-9.67	-24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.67	-24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.8	9.67	24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.8	-9.67	24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.9	-9.9	0	1.6	2.011	1310	1620	R 30x60	B450C
p.9	9.9	0	1.6	2.011	1310	1620	R 30x60	B450C
p.11	-9.67	5.33	1.6	2.011	1620.1	1930	R 30x30_1	B450C
p.11	9.67	5.33	1.6	2.011	1620.1	1930	R 30x30_1	B450C
p.11	9.67	24.67	1.6	2.011	1620.1	1930	R 30x30_1	B450C
p.11	-9.67	24.67	1.6	2.011	1620.1	1930	R 30x30_1	B450C
p.12	-9.9	15	1.6	2.011	1620.1	1930	R 30x30_1	B450C
p.13	9.9	15	1.6	2.011	1620.1	1930	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	395848	395848	-145935	818158	818158	SLU 52	2.067	Si
-111	20.11	2.2	0	1,2	395389	395389	-145765	818158	818158	SLU 52	2.069	Si
-81	20.11	1.1	0	2	394922	394922	-145593	818158	818158	SLU 52	2.072	Si
-52	20.11	1.1	0	2	394455	394455	-145421	818158	818158	SLU 52	2.074	Si
-22	20.11	1.1	0	2	393989	393989	-145249	818158	818158	SLU 52	2.077	Si
7	20.11	1.1	0	2	393522	393522	-145077	818158	818158	SLU 52	2.079	Si
36	20.11	1.1	0	2	393055	393055	-144905	818158	818158	SLU 52	2.082	Si
66	20.11	1.1	0	2	392589	392589	-144733	818158	818158	SLU 52	2.084	Si
95	20.11	1.1	0	2	392122	392122	-144561	818158	818158	SLU 52	2.086	Si
125	20.11	1.1	0	2	391650	-391650	-144387	818158	-818158	SLU 52	2.089	Si
154	20.11	1.1	0	2	391188	-391188	-144217	818158	-818158	SLU 52	2.091	Si
184	20.11	1.1	0	2	390722	-390722	-144045	818158	-818158	SLU 52	2.094	Si
213	20.11	1.1	0	2	390262	-390262	-143875	818158	-818158	SLU 52	2.096	Si
242	20.11	1.1	0	2	389788	-389788	-143701	818158	-818158	SLU 52	2.099	Si
272	20.11	1.1	0	2	389322	-389322	-143529	818158	-818158	SLU 52	2.101	Si
301	20.11	1.1	0	2	-388855	-388855	-143357	-818158	-818158	SLU 52	2.104	Si
331	20.11	1.1	0	2	-388388	-388388	-143185	-818158	-818158	SLU 52	2.107	Si
360	20.11	1.1	0	2	-387929	-387929	-143015	-818158	-818158	SLU 52	2.109	Si
380	20.11	2.2	0	2,3	-237179	237179	-118590	-647491	647491	SLU 52	2.73	Si
409	20.11	2.2	0	2,3	-236846	236846	-118423	-647491	647491	SLU 52	2.734	Si
438	20.11	1.1	0	3	-236507	236507	-118253	-647491	647491	SLU 52	2.738	Si
467	20.11	1.1	0	3	-236167	236167	-118084	-647491	647491	SLU 52	2.742	Si
496	20.11	1.1	0	3	-235828	235828	-117914	-647491	647491	SLU 52	2.746	Si
525	20.11	1.1	0	3	-235489	-235489	-117744	-647491	-647491	SLU 52	2.75	Si
554	20.11	1.1	0	3	235149	-235149	-117575	647491	-647491	SLU 52	2.754	Si
583	20.11	1.1	0	3	234810	-234810	-117405	647491	-647491	SLU 52	2.758	Si
612	20.11	1.1	0	3	234471	-234471	-117235	647491	-647491	SLU 52	2.762	Si
641	20.11	1.1	0	3	234131	-234131	-117066	647491	-647491	SLU 52	2.766	Si
670	20.11	1.1	0	3	233798	-233798	-116899	647491	-647491	SLU 52	2.769	Si
690	20.11	2.2	0	3,4	-182878	182878	-91439	-647491	647491	SLU 52	3.541	Si
719	20.11	2.2	0	3,4	182539	182539	-91269	647491	647491	SLU 52	3.547	Si
748	20.11	1.1	0	4	182199	182199	-91100	647491	647491	SLU 52	3.554	Si
777	20.11	1.1	0	4	181860	181860	-90930	647491	647491	SLU 52	3.56	Si
806	20.11	1.1	0	4	181521	181521	-90760	647491	647491	SLU 52	3.567	Si
835	20.11	1.1	0	4	181182	181182	-90591	647491	647491	SLU 52	3.574	Si
864	20.11	1.1	0	4	180842	-180842	-90421	647491	-647491	SLU 52	3.58	Si
893	20.11	1.1	0	4	180503	-180503	-90251	647491	-647491	SLU 52	3.587	Si
922	20.11	1.1	0	4	180164	-180164	-90082	647491	-647491	SLU 52	3.594	Si
951	20.11	1.1	0	4	179824	-179824	-89912	647491	-647491	SLU 52	3.601	Si
980	20.11	1.1	0	4	179485	-179485	-89743	647491	-647491	SLU 52	3.607	Si
1000	20.11	2.2	0	4,5	-129038	129038	-64519	-647491	647491	SLU 52	5.018	Si
1029	20.11	2.2	0	4,5	-128705	128705	-64352	-647491	647491	SLU 52	5.031	Si
1058	20.11	1.1	0	5	-128366	128366	-64183	-647491	647491	SLU 52	5.044	Si
1087	20.11	1.1	0	5	128026	128026	-64013	647491	647491	SLU 52	5.057	Si
1116	20.11	1.1	0	5	127687	127687	-63843	647491	647491	SLU 52	5.071	Si
1145	20.11	1.1	0	5	127348	127348	-63674	647491	647491	SLU 52	5.084	Si
1174	20.11	1.1	0	5	127008	-127008	-63504	647491	-647491	SLU 52	5.098	Si
1203	20.11	1.1	0	5	126669	-126669	-63335	647491	-647491	SLU 52	5.112	Si
1232	20.11	1.1	0	5	126330	-126330	-63165	647491	-647491	SLU 52	5.125	Si
1261	20.11	1.1	0	5	125990	-125990	-62995	647491	-647491	SLU 52	5.139	Si
1290	20.11	1.1	0	5	132575	-125651	-62826	681649	-646051	SLU 52	5.142	Si
1310	20.11	1.8	0	5,6,8,9	75400	75400	-37700	647491	647491	SLU 52	8.587	Si
1339	15.5	1.8	0	5,6,8,9	-75066	75066	-37533	-618238	618238	SLU 52	8.236	Si
1368	12.06	0.7	0	6,8,9	-74727	74727	-37364	-595599	595599	SLU 52	7.97	Si
1397	12.06	0.7	0	6,8,9	-74388	74388	-37194	-595599	595599	SLU 52	8.007	Si
1426	12.06	0.7	0	6,8,9	-83381	74048	-37024	-667915	593154	SLU 52	8.01	Si
1455	12.06	0.7	0	6,8,9	-108426	-73709	-36855	-858243	-583445	SLU 52	7.915	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1484	12.06	0.7	0	6,8,9	-133470	-73370	-36685	-1040090	-571749	SLU 52	7.793	Si
1513	12.06	0.7	0	6,8,9	-158514	-73031	-36515	-1213892	-559264	SLU 52	7.658	Si
1542	12.06	0.7	0	6,8,9	-183558	-72691	-36346	-1378220	-545791	SLU 52	7.508	Si
1571	13.12	1.6	0	6,7,8,9,10	-208603	-72352	-36176	-1559245	-540810	SLU 52	7.475	Si
1600	24.75	2	0	6,7,8,9,10	-233647	-72013	-36006	-1976667	-609232	SLU 52	8.46	Si
1620	4.02	0.4	0	10	108758	66883	-14626	501706	308534	SLU 51	4.613	Si
1650	8.76	1.8	0	10,11,12,13	67591	53013	-15619	486625	381668	SLU 47	7.2	Si
1680	12.06	1.3	0	11,12,13	31187	42831	-15594	298997	410626	SLU 48	9.587	Si
1710	12.06	1.3	0	11,12,13	-31012	31702	-15506	-315371	322386	SLU 48	10.169	Si
1740	12.06	1.3	0	11,12,13	-69240	30836	-15418	-590096	262803	SLU 48	8.523	Si
1770	12.06	1.3	0	11,12,13	-114129	30661	-15330	-774642	208109	SLU 48	6.787	Si
1800	12.06	1.3	0	11,12,13	-159018	-30485	-15243	-873427	-167445	SLU 48	5.493	Si
1830	12.06	1.3	0	11,12,13	-204377	-30186	-15093	-932354	-137704	SLU 47	4.562	Si
1860	12.06	1.3	0	11,12,13	-250812	-28087	-13926	-939627	-105223	SLU 51	3.746	Si
1890	12.06	1.3	0	11,12,13	-295852	-39983	-13838	-877348	-118569	SLU 51	2.965	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	1109913	195233	-82921	-2.02	1.92	2236466	393393	SLV 5	2.015				Si
-111	20.11	2.2	0	1,2	1022640	175631	-82791	-2.02	1.92	2204913	378677	SLV 5	2.156				Si
-81	20.11	1.1	0	2	933869	155710	-82659	-2.02	1.92	2156022	359487	SLV 5	2.309				Si
-52	20.11	1.1	0	2	845111	135820	-82526	-2.02	1.92	2088794	335696	SLV 5	2.472				Si
-22	20.11	1.1	0	2	756375	115983	-82394	-2.02	1.92	2000078	306694	SLV 5	2.644				Si
7	20.11	1.1	0	2	667665	96231	-82262	-2.02	1.92	1886606	271918	SLV 5	2.826				Si
36	20.11	1.1	0	2	-511725	14145	-94742	-2.02	1.92	-1520796	42037	SLV 7	2.972				Si
66	20.11	1.1	0	2	-425863	12796	-94609	-2.02	1.92	-1328827	39929	SLV 7	3.12				Si
95	20.11	1.1	0	2	-340170	10320	-94477	-2.02	1.92	-1118054	33921	SLV 7	3.287				Si
125	20.11	1.1	0	2	-115022	44321	-94801	-2.02	1.92	-399505	153938	SLV 3	3.473				Si
154	20.11	1.1	0	2	-71749	16827	-94670	-2.02	1.92	-249550	58526	SLV 3	3.478				Si
184	20.11	1.1	0	2	-31514	-17878	-94537	-2.02	1.92	-109763	-62268	SLV 3	3.483				Si
213	20.11	1.1	0	2	-2365	-54408	-94407	-2.02	1.92	-8249	-189764	SLV 3	3.488				Si
242	20.11	1.1	0	2	1826	-87067	-94273	-2.02	1.92	6377	-304105	SLV 3	3.493				Si
272	20.11	1.1	0	2	169776	-86583	-93683	-2.02	1.92	578980	-295269	SLV 7	3.41				Si
301	20.11	1.1	0	2	269950	-106379	-93551	-2.02	1.92	855875	-337274	SLV 7	3.17				Si
331	20.11	1.1	0	2	355156	-126247	-93418	-2.02	1.92	1059503	-376620	SLV 7	2.983				Si
360	20.11	1.1	0	2	439314	-145815	-93288	-2.02	1.92	1238196	-410975	SLV 7	2.818				Si
380	20.11	2.2	0	2,3	-332515	372418	-76952	-2.02	1.92	-882415	988310	SLV 3	2.654				Si
409	20.11	2.2	0	2,3	-271845	302718	-76824	-2.02	1.92	-804984	896405	SLV 3	2.961				Si
438	20.11	1.1	0	3	-210867	231932	-76693	-2.02	1.92	-696386	765954	SLV 3	3.302				Si
467	20.11	1.1	0	3	-151549	161470	-76563	-2.02	1.92	-560119	596786	SLV 3	3.696				Si
496	20.11	1.1	0	3	-96810	92121	-76432	-2.02	1.92	-404226	384644	SLV 3	4.175				Si
525	20.11	1.1	0	3	-58069	22273	-76302	-2.02	1.92	-250589	96114	SLV 3	4.315				Si
554	20.11	1.1	0	3	52481	-61058	-76171	-2.02	1.92	226863	-263941	SLV 3	4.323				Si
583	20.11	1.1	0	3	128321	-128221	-76041	-2.02	1.92	503313	-502921	SLV 3	3.922				Si
612	20.11	1.1	0	3	186332	-198314	-75910	-2.02	1.92	651298	-693180	SLV 3	3.495				Si
641	20.11	1.1	0	3	246799	-268973	-75780	-2.02	1.92	774078	-843628	SLV 3	3.136				Si
670	20.11	1.1	0	3	307225	-338617	-75651	-2.02	1.92	864647	-952993	SLV 3	2.814				Si
690	20.11	2.2	0	3,4	-413241	214104	-56789	-2.02	1.92	-1441456	746833	SLV 7	3.488				Si
719	20.11	2.2	0	3,4	-192165	228247	-58400	-2.02	1.92	-757588	899835	SLV 3	3.942				Si
748	20.11	1.1	0	4	-144028	168752	-58270	-2.02	1.92	-639553	749341	SLV 3	4.44				Si
777	20.11	1.1	0	4	-149315	83527	-56397	-2.02	1.92	-770250	430881	SLV 7	5.159				Si
806	20.11	1.1	0	4	24900	56082	-58009	-2.02	1.92	141336	318333	SLV 3	5.676				Si
835	20.11	1.1	0	4	62045	-18119	-57878	-2.02	1.92	352974	-103077	SLV 3	5.689				Si
864	20.11	1.1	0	4	97346	-81623	-57748	-2.02	1.92	516414	-433008	SLV 3	5.305				Si
893	20.11	1.1	0	4	139068	-139304	-57617	-2.02	1.92	652412	-653518	SLV 3	4.691				Si
922	20.11	1.1	0	4	185801	-198554	-57487	-2.02	1.92	775108	-828313	SLV 3	4.172				Si
951	20.11	1.1	0	4	234455	-258293	-57356	-2.02	1.92	867340	-955526	SLV 3	3.699				Si
980	20.11	1.1	0	4	284013	-318245	-57226	-2.02	1.92	927671	-1039485	SLV 3	3.266				Si
1000	20.11	2.2	0	4,5	-214289	249256	-39845	-2.02	1.92	-929827	1081554	SLV 3	4.339				Si
1029	20.11	2.2	0	4,5	-207790	151613	-36517	-2.02	1.92	-1166743	851305	SLV 7	5.615				Si
1058	20.11	1.1	0	5	98819	107121	-40593	-2.02	1.92	644981	699171	SLV 1	6.527				Si
1087	20.11	1.1	0	5	76139	69055	-40463	-2.02	1.92	555266	503606	SLV 1	7.293				Si
1116	20.11	1.1	0	5	53050	34231	-40332	-2.02	1.92	433099	279460	SLV 1	8.164				Si
1145	20.11	1.1	0	5	35838	-29155	-40202	-2.02	1.92	293530	-238791	SLV 1	8.19				Si
1174	20.11	1.1	0	5	117395	-71034	-39064	-2.02	1.92	834873	-505171	SLV 3	7.112				Si
1203	20.11	1.1	0	5	162887	-121733	-38933	-2.02	1.92	993183	-742253	SLV 3	6.097				Si
1232	20.11	1.1	0	5	211249	-173569	-38803	-2.02	1.92	1097451	-901700	SLV 3	5.195				Si
1261	20.11	1.1	0	5	401524	-163901	-35473	-2.02	1.92	1756481	-716990	SLV 7	4.375				Si
1290	20.11	1.1	0	5	480607	-203076	-35342	-2.02	1.92	1759230	-743346	SLV 7	3.66				Si
1310	20.11	1.8	0	5,6,8,9	-195550	149900	-18385	-2.02	1.92	-1285721	985576	SLV 7	6.575				Si
1339	15.5	1.8	0	5,6,8,9	-151227	116939	-18256	-2.02	1.92	-1205803	932406	SLV 7	7.973				Si
1368	12.06	0.7	0	6,8,9	53893	73307	-24011	-2.02	1.92	536030	729123	SLV 1	9.946				Si
1397	12.06	0.7	0	6,8,9	-22945	58830	-21839	-2.02	1.92	-269768	691663	SLV 3	11.757				Si
1426	12.06	0.7	0	6,8,9	-88857	-9615	-24670	-2.02	1.92	-1021400	-110522	SLV 5	11.495				Si
1455	12.06	0.7	0	6,8,9	-158379	-22603	-24539	-2.02	1.92	-1542924	-220196	SLV 5	9.742				Si
1484	12.06	0.7	0	6,8,9	-267880	32228	-23156	-2.02	1.92	-2130245	256286	SLV 9	7.952				Si
1513	12.06	0.7	0	6,8,9	-355816	53281	-23025	-2.02	1.92	-2209811	330905	SLV 9	6.211				Si
1542	12.06	0.7	0	6,8,9	-444122	74622	-22895	-2.02	1.92	-2158662	362703	SLV 9	4.861				Si
1571	13.12	1.6	0	6,7,8,9,10	-532596	96058	-22764	-2.02	1.92	-2103361	379358	SLV 9	3.949				Si
1600	24.75	2	0	6,7,8,9,10	-621161	117537	-22634	-2.02	1.92	-2357330	446057	SLV 9	3.795				Si
1620	4.02	0.4	0	10	113281	-150852	-5689	-2.02	1.92	161931	-215637	SLV 11	1.429				Si
1650	8.76	1.8	0	10,11,12,13	76530	-104012	-5623	-2.02	1.92	260636	-354228	SLV 11	3.406				Si
1680	12.06	1.3	0	11,12,13	-12424	106950	-10984	-2.02	1.92	-76000	654203	SLV 5	6.117				Si
1710	12.06	1.3	0	11,12,13	-29525	44978	-10916	-2.02	1.92	-284879	433978	SLV 5	9.649				Si
1740	12.06	1.3	0	11,12,13	-50533	39166	-5421	-2.02	1.92	-467643	362452	SLV 11	9.254				Si
1770	12.06	1.3	0	11,12,13	-80352	86677	-5353	-2.02	1.92	-374683	404178	SLV 11	4.663				Si
1800	12.06	1.3	0	11,12,13	-115704	134298	-5286	-2.02	1.92	-330586	383711	SLV 11	2.857				Si
1830	12.06	1.3	0	11,12,13	-152557	181933	-5218	-2.02	1.92	-299841	357577	SLV 11	1.965				Si
1860	12.06	1.3	0	11,12,13	-189838	229572	-5151	-2.02	1.92	-283676	343052	SLV 11	1.494				Si
1890	12.06	1.3	0	11,12,13	-227288	277214	-5083	-2.02	1.92	-273464	333534	SLV 11	1.203				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	524258	87564	-85446	1573733	262852	SLD 5	3.002	Si
-111	20.11	2.2	0	1,2	483869	78696	-85316	1496317	243360	SLD 5	3.092	Si
-81	20.11	1.1	0	2	442788	69683	-85184	1412630	222310	SLD 5	3.19	Si
-52	20.11	1.1	0	2	401715	60682	-85051	1323461	199919	SLD 5	3.295	Si
-22	20.11	1.1	0	2	360656	51702	-84919	1228280	176082	SLD 5	3.406	Si
7	20.11	1.1	0	2	319613	42756	-84787	1126463	150692	SLD 5	3.524	Si
36	20.11	1.1	0	2	278596	33872	-84654	1017223	123676	SLD 5	3.651	Si
66	20.11	1.1	0	2	-34921	41771	-89704	-128181	153325	SLD 3	3.671	Si
95	20.11	1.1	0	2	-23226	29917	-89572	-85380	109978	SLD 3	3.676	Si
125	20.11	1.1	0	2	-11569	17632	-89438	-42591	64911	SLD 3	3.682	Si
154	20.11	1.1	0	2	-599	5918	-89307	-2207	21819	SLD 3	3.687	Si
184	20.11	1.1	0	2	8608	-8994	-89175	31783	-33211	SLD 3	3.692	Si
213	20.11	1.1	0	2	13133	-24683	-89045	48562	-91274	SLD 3	3.698	Si
242	20.11	1.1	0	2	9464	-38599	-88910	35048	-142949	SLD 3	3.703	Si
272	20.11	1.1	0	2	29048	-52512	-88778	107737	-194765	SLD 3	3.709	Si
301	20.11	1.1	0	2	62929	-66498	-88646	233748	-247004	SLD 3	3.714	Si
331	20.11	1.1	0	2	74503	-80519	-88513	277152	-299530	SLD 3	3.72	Si
360	20.11	1.1	0	2	161281	-66562	-88228	593282	-244852	SLD 7	3.679	Si
380	20.11	2.2	0	2,3	-166398	167082	-72863	-627470	630049	SLD 3	3.771	Si
409	20.11	2.2	0	2,3	-135983	135635	-72735	-543764	542372	SLD 3	3.999	Si
438	20.11	1.1	0	3	-105456	103698	-72604	-449161	441674	SLD 3	4.259	Si
467	20.11	1.1	0	3	-75826	71907	-72474	-344501	326696	SLD 3	4.543	Si
496	20.11	1.1	0	3	-48483	40611	-72343	-220672	184842	SLD 3	4.552	Si
525	20.11	1.1	0	3	-27768	9106	-72213	-126615	41522	SLD 3	4.56	Si
554	20.11	1.1	0	3	29102	-28477	-72082	132939	-130081	SLD 3	4.568	Si
583	20.11	1.1	0	3	66415	-58797	-71952	303934	-269070	SLD 3	4.576	Si
612	20.11	1.1	0	3	95450	-90419	-71821	420532	-398369	SLD 3	4.406	Si
641	20.11	1.1	0	3	125732	-122298	-71691	520534	-506316	SLD 3	4.14	Si
670	20.11	1.1	0	3	156027	-153718	-71562	609543	-600522	SLD 3	3.907	Si
690	20.11	2.2	0	3,4	-99585	134015	-55683	-496186	667738	SLD 3	4.983	Si
719	20.11	2.2	0	3,4	-78319	106426	-55553	-416171	565527	SLD 3	5.314	Si
748	20.11	1.1	0	4	-57632	78976	-55422	-327814	449220	SLD 3	5.688	Si
777	20.11	1.1	0	4	-15914	51905	-55292	-94768	309100	SLD 3	5.955	Si
806	20.11	1.1	0	4	16519	26596	-55161	98603	158754	SLD 3	5.969	Si
835	20.11	1.1	0	4	35612	-6870	-55031	213079	-41103	SLD 3	5.983	Si
864	20.11	1.1	0	4	51056	-35884	-54900	306213	-215215	SLD 3	5.998	Si
893	20.11	1.1	0	4	68444	-62582	-54770	401742	-367338	SLD 3	5.87	Si
922	20.11	1.1	0	4	88297	-89928	-54639	485433	-494403	SLD 3	5.498	Si
951	20.11	1.1	0	4	109165	-117475	-54509	563761	-606676	SLD 3	5.164	Si
980	20.11	1.1	0	4	130524	-145109	-54378	635164	-706138	SLD 3	4.866	Si
1000	20.11	2.2	0	4,5	-107596	112061	-38390	-714683	744339	SLD 3	6.642	Si
1029	20.11	2.2	0	4,5	-97585	71238	-36938	-738546	539150	SLD 7	7.568	Si
1058	20.11	1.1	0	5	-65488	53008	-36808	-541275	438122	SLD 7	8.265	Si
1087	20.11	1.1	0	5	35357	32875	-38442	302849	281591	SLD 1	8.565	Si
1116	20.11	1.1	0	5	31570	16464	-38311	271333	141500	SLD 1	8.595	Si
1145	20.11	1.1	0	5	29100	-11512	-38181	250958	-99281	SLD 1	8.624	Si
1174	20.11	1.1	0	5	67786	-30653	-37609	582318	-263323	SLD 3	8.591	Si
1203	20.11	1.1	0	5	91572	-53339	-37478	721494	-420257	SLD 3	7.879	Si
1232	20.11	1.1	0	5	116956	-76493	-37348	848270	-554795	SLD 3	7.253	Si
1261	20.11	1.1	0	5	143036	-99791	-37217	959212	-669204	SLD 3	6.706	Si
1290	20.11	1.1	0	5	169467	-123152	-37087	1051101	-763834	SLD 3	6.202	Si
1310	20.11	1.8	0	5,6,8,9	76034	70583	-22422	829114	769678	SLD 1	10.905	Si
1339	15.5	1.8	0	5,6,8,9	44546	54009	-22294	526101	637861	SLD 1	11.81	Si
1368	12.06	0.7	0	6,8,9	-12761	48608	-21334	-162298	618181	SLD 3	12.718	Si
1397	12.06	0.7	0	6,8,9	-10198	664	-22408	-135529	8827	SLD 5	13.29	Si
1426	12.06	0.7	0	6,8,9	-64102	-2951	-22278	-856888	-39453	SLD 5	13.368	Si
1455	12.06	0.7	0	6,8,9	-99398	-11714	-22147	-1205513	-142065	SLD 5	12.128	Si
1484	12.06	0.7	0	6,8,9	-151484	6250	-21509	-1706739	70415	SLD 9	11.267	Si
1513	12.06	0.7	0	6,8,9	-195283	10834	-21378	-1993712	110607	SLD 9	10.209	Si
1542	12.06	0.7	0	6,8,9	-239298	15552	-21248	-2197291	142801	SLD 9	9.182	Si
1571	13.12	1.6	0	6,7,8,9,10	-283410	20314	-21117	-2363433	169401	SLD 9	8.339	Si
1600	24.75	2	0	6,7,8,9,10	-327575	25095	-20987	-2760751	211501	SLD 9	8.428	Si
1620	4.02	0.4	0	10	45033	115893	-9495	133782	344292	SLD 5	2.971	Si
1650	8.76	1.8	0	10,11,12,13	23434	87200	-9428	146121	543735	SLD 5	6.236	Si
1680	12.06	1.3	0	11,12,13	11038	51309	-9736	119513	555530	SLD 9	10.827	Si
1710	12.06	1.3	0	11,12,13	-21006	28939	-9293	-269920	371848	SLD 5	12.85	Si
1740	12.06	1.3	0	11,12,13	-47224	18531	-8376	-549980	215821	SLD 15	11.646	Si
1770	12.06	1.3	0	11,12,13	-71958	36655	-6976	-552097	281236	SLD 11	7.672	Si
1800	12.06	1.3	0	11,12,13	-102205	51325	-6908	-544439	273407	SLD 11	5.327	Si
1830	12.06	1.3	0	11,12,13	-133293	66004	-6841	-538852	266829	SLD 11	4.043	Si
1860	12.06	1.3	0	11,12,13	-128391	-117139	-8956	-414764	-378415	SLD 5	3.23	Si
1890	12.06	1.3	0	11,12,13	-195980	95368	-6706	-509411	247889	SLD 11	2.599	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-158	-145935	SLU 52	15366	51792	52691	2.35	326.78	-558	-145935	SLU 52	15029	48385	55356	2.5	86.69	Si
-111	5X/2Y Ø8/10	-158	-145765	SLU 52	15366	51792	52691	2.35	326.78	-558	-145765	SLU 52	15029	48385	55356	2.5	86.69	Si
-81	5X/2Y Ø8/10	-158	-145593	SLU 52	15366	51792	52691	2.35	326.78	-558	-145593	SLU 52	15029	48385	55356	2.5	86.69	Si
-52	5X/2Y Ø8/10	-158	-145421	SLU 52	15366	51792	52691	2.35	326.78	-558	-145421	SLU 52	15029	48385	55356	2.5	86.69	Si
-22	5X/2Y Ø8/15	-158	-145249	SLU 52	15366	36732	50429	2.5	231.76	-558	-145249	SLU 52	15029	32257	55356	2.5	57.79	Si
7	5X/2Y Ø8/15	-158	-145077	SLU 52	15366	36732	50429	2.5	231.76	-558	-145077	SLU 52	15029	32257	55356	2.5	57.79	Si
36	5X/2Y Ø8/15	-158	-144905	SLU 52	15366	36732	50429	2.5	231.76	-558	-144905	SLU 52	15029	32257	55356	2.5	57.79	Si
66	5X/2Y Ø8/15	-158	-144733	SLU 52	15366	36732	50429	2.5	231.76	-558	-144733	SLU 52	15029	32257	55356	2.5	57.79	Si
95	5X/2Y Ø8/15	-158	-144561	SLU 52	15366	36732	50429	2.5	231.76	-558	-144561	SLU 52	15029	32257	55356	2.5	57.79	Si
125	5X/2Y Ø8/15	-158	-144387	SLU 52	15366	36732	50429	2.5	231.76	-558	-144387	SLU 52	15029	32257	55356	2.5	57.79	Si
154	5X/2Y Ø8/15	-158	-144217	SLU 52	15366	36732	50429	2.5	231.76	-558	-144217	SLU 52	15029	32257	55356	2.5	57.79	Si
184	5X/2Y Ø8/15	-158	-144045	SLU 52	15366	36732	50429	2.5	231.76	-558	-144045	SLU 52	15029	32257	55356	2.5	57.79	Si
213	5X/2Y Ø8/15	-158	-143875	SLU 52	15366	36732	50429	2.5	231.76	-558	-143875	SLU 52	15029	32257	55356	2.5	57.79	Si
242	5X/2Y Ø8/10	-158	-143701	SLU 52	15366	51792	52691	2.35	326.78	-558	-143701	SLU 52	15029	48385	55356	2.5	86.69	Si
272	5X/2Y Ø8/10	-158	-143529	SLU 52	15366	51792	52691	2.35	326.78	-558	-143529	SLU 52	15029	48385	55356	2.5	86.69	Si
301	5X/2Y Ø8/10	-158	-143357	SLU 52	15366	51792	52691	2.35	326.78	-558	-143357	SLU 52	15029	48385	55356	2.5	86.69	Si
331	5X/2Y Ø8/10	-158	-143185	SLU 52	15366	51792	52691	2.35	326.78	-558	-143185	SLU 52	15029	48385	55356	2.5	86.69	Si
360	5X/2Y Ø8/10	-158	-143015	SLU 52	15366	51792	52691	2.35	326.78	-558	-143015	SLU 52	15029	48385	55356	2.5	86.69	Si
380	5X/2Y Ø8/10	-542	-117381	SLU 50	15366	51792	52691	2.35	95.54	739	-111287	SLU 46	15029	48385	55356	2.5	65.47	Si
409	5X/2Y Ø8/10	-542	-117214	SLU 50	15366	51792	52691	2.35	95.54	739	-111121	SLU 46	15029	48385	55356	2.5	65.47	Si
438	5X/2Y Ø8/10	-542	-117044	SLU 50	15366	51792	52691	2.35	95.54	739	-110951	SLU 46	15029	48385	55356	2.5	65.47	Si
467	5X/2Y Ø8/14.4	-542	-116875	SLU 50	15366	38145	50429	2.5	70.37	739	-110781	SLU 46	15029	33497	55356	2.5	45.33	Si
496	5X/2Y Ø8/14.4	-542	-116705	SLU 50	15366	38145	50429	2.5	70.37	739	-110612	SLU 46	15029	33497	55356	2.5	45.33	Si
525	5X/2Y Ø8/14.4	-542	-116535	SLU 50	15366	38145	50429	2.5	70.37	739	-110442	SLU 46	15029	33497	55356	2.5	45.33	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
554	5X/2Y Ø8/14.4	-542	-116366	SLU 50	15366	38145	50429	2.5	70.37	739	-110272	SLU 46	15029	33497	55356	2.5	45.33	Si
583	5X/2Y Ø8/14.4	-542	-116196	SLU 50	15366	38145	50429	2.5	70.37	739	-110103	SLU 46	15029	33497	55356	2.5	45.33	Si
612	5X/2Y Ø8/10	-542	-116026	SLU 50	15366	51792	52691	2.35	95.54	739	-109933	SLU 46	15029	48385	55356	2.5	65.47	Si
641	5X/2Y Ø8/10	-542	-115857	SLU 50	15366	51792	52691	2.35	95.54	739	-109763	SLU 46	15029	48385	55356	2.5	65.47	Si
670	5X/2Y Ø8/10	-542	-115690	SLU 50	15366	51792	52691	2.35	95.54	739	-109597	SLU 46	15029	48385	55356	2.5	65.47	Si
690	5X/2Y Ø8/10	-529	-90152	SLU 50	15366	51792	52691	2.35	97.87	244	-75688	SLU 19	15029	48385	54986	2.5	198.44	Si
719	5X/2Y Ø8/10	-529	-89982	SLU 50	15366	51792	52691	2.35	97.87	244	-75558	SLU 19	15029	48385	54967	2.5	198.44	Si
748	5X/2Y Ø8/10	-529	-89812	SLU 50	15366	51792	52691	2.35	97.87	244	-75427	SLU 19	15029	48385	54949	2.5	198.44	Si
777	5X/2Y Ø8/14.4	-529	-89643	SLU 50	15366	38145	50429	2.5	72.08	244	-75297	SLU 19	15029	33497	54930	2.5	137.38	Si
806	5X/2Y Ø8/14.4	-529	-89473	SLU 50	15366	38145	50429	2.5	72.08	244	-75166	SLU 19	15029	33497	54912	2.5	137.38	Si
835	5X/2Y Ø8/14.4	-529	-89303	SLU 50	15366	38145	50429	2.5	72.08	244	-75036	SLU 19	15029	33497	54893	2.5	137.38	Si
864	5X/2Y Ø8/14.4	-529	-89134	SLU 50	15366	38145	50429	2.5	72.08	244	-74905	SLU 19	15029	33497	54875	2.5	137.38	Si
893	5X/2Y Ø8/14.4	-529	-88964	SLU 50	15366	38145	50429	2.5	72.08	244	-74775	SLU 19	15029	33497	54857	2.5	137.38	Si
922	5X/2Y Ø8/10	-529	-88794	SLU 50	15366	51792	52691	2.35	97.87	244	-74644	SLU 19	15029	48385	54838	2.5	198.44	Si
951	5X/2Y Ø8/10	-529	-88625	SLU 50	15366	51792	52691	2.35	97.87	244	-74514	SLU 19	15029	48385	54820	2.5	198.44	Si
980	5X/2Y Ø8/10	-529	-88455	SLU 50	15366	51792	52691	2.35	97.87	244	-74383	SLU 19	15029	48385	54801	2.5	198.44	Si
1000	5X/2Y Ø8/10	-404	-63135	SLU 50	15366	50690	51403	2.3	125.32	640	-64081	SLU 51	15029	48385	53345	2.5	75.63	Si
1029	5X/2Y Ø8/10	-404	-62968	SLU 50	15366	50690	51381	2.3	125.32	640	-63914	SLU 51	15029	48385	53321	2.5	75.63	Si
1058	5X/2Y Ø8/10	-404	-62799	SLU 50	15366	50690	51357	2.3	125.32	640	-63745	SLU 51	15029	48385	53297	2.5	75.63	Si
1087	5X/2Y Ø8/14.4	-404	-62629	SLU 50	15364	38145	48410	2.5	94.3	640	-63575	SLU 51	15029	33497	53273	2.5	52.36	Si
1116	5X/2Y Ø8/14.4	-404	-62459	SLU 50	15343	38145	48388	2.5	94.3	640	-63405	SLU 51	15029	33497	53249	2.5	52.36	Si
1145	5X/2Y Ø8/14.4	-404	-62290	SLU 50	15322	38145	48366	2.5	94.3	640	-63236	SLU 51	15029	33497	53225	2.5	52.36	Si
1174	5X/2Y Ø8/14.4	-404	-62120	SLU 50	15300	38145	48344	2.5	94.3	640	-63066	SLU 51	15029	33497	53201	2.5	52.36	Si
1203	5X/2Y Ø8/14.4	-404	-61951	SLU 50	15279	38145	48322	2.5	94.3	640	-62897	SLU 51	15029	33497	53177	2.5	52.36	Si
1232	5X/2Y Ø8/10	-404	-61781	SLU 50	15258	50690	51218	2.3	125.32	640	-62727	SLU 51	15029	48385	53153	2.5	75.63	Si
1261	5X/2Y Ø8/10	-404	-61611	SLU 50	15237	50690	51195	2.3	125.32	640	-62557	SLU 51	15016	48385	53129	2.5	75.63	Si
1290	5X/2Y Ø8/10	-404	-61442	SLU 50	15216	50690	51172	2.3	125.32	640	-62388	SLU 51	14993	48385	53105	2.5	75.63	Si
1310	2X/2Y Ø8/10	-434	-37700	SLU 52	12260	22039	45199	2.5	50.77	-892	-36024	SLU 47	11390	48385	49378	2.5	54.27	Si
1339	2X/2Y Ø8/10	-434	-37533	SLU 52	12239	22039	45177	2.5	50.77	-892	-35857	SLU 47	11367	48385	49355	2.5	54.27	Si
1368	2X/2Y Ø8/10	-434	-37364	SLU 52	12218	22039	45156	2.5	50.77	-892	-35688	SLU 47	11344	48385	49331	2.5	54.27	Si
1397	2X/2Y Ø8/14.4	-434	-37194	SLU 52	12197	15258	45134	2.5	35.15	-892	-35518	SLU 47	11321	33497	49307	2.5	37.57	Si
1426	2X/2Y Ø8/14.4	-434	-37024	SLU 52	12176	15258	45112	2.5	35.15	-892	-35348	SLU 47	11298	33497	49283	2.5	37.57	Si
1455	2X/2Y Ø8/14.4	-434	-36855	SLU 52	12155	15258	45090	2.5	35.15	-892	-35179	SLU 47	11275	33497	49259	2.5	37.57	Si
1484	2X/2Y Ø8/14.4	-434	-36685	SLU 52	12134	15258	45068	2.5	35.15	-892	-35009	SLU 47	11251	33497	49235	2.5	37.57	Si
1513	2X/2Y Ø8/14.4	-434	-36515	SLU 52	12113	15258	45046	2.5	35.15	-892	-34839	SLU 47	11228	33497	49211	2.5	37.57	Si
1542	2X/2Y Ø8/10	-434	-36346	SLU 52	12091	22039	45024	2.5	50.77	-892	-34670	SLU 47	11205	48385	49187	2.5	54.27	Si
1571	2X/2Y Ø8/10	-434	-36176	SLU 52	12070	22039	45003	2.5	50.77	-892	-34500	SLU 47	11182	48385	49163	2.5	54.27	Si
1600	2X/2Y Ø8/10	-434	-36006	SLU 52	12049	22039	44981	2.5	50.77	-892	-34330	SLU 47	11159	48385	49139	2.5	54.27	Si
1620	2X/2Y Ø8/10	-403	-12997	SLU 50	3443	13011	13353	2.45	32.26	-1511	-15706	SLU 47	5739	22039	22194	2.5	14.59	Si
1650	2X/2Y Ø8/10	-403	-12910	SLU 50	5352	21395	21946	2.45	53.05	-1511	-15619	SLU 47	5728	22039	22183	2.5	14.59	Si
1680	2X/2Y Ø8/10	-403	-12823	SLU 50	5342	21395	21934	2.45	53.05	-1501	-14452	SLU 51	5583	21598	22356	2.45	14.39	Si
1710	2X/2Y Ø8/10	-403	-12735	SLU 50	5331	21395	21923	2.45	53.05	-1501	-14365	SLU 51	5572	21598	22344	2.45	14.39	Si
1740	2X/2Y Ø8/10	-403	-12647	SLU 50	5320	21395	21912	2.45	53.05	-1501	-14277	SLU 51	5561	21598	22333	2.45	14.39	Si
1770	2X/2Y Ø8/10	-403	-12559	SLU 50	5309	21395	21900	2.45	53.05	-1501	-14189	SLU 51	5550	21598	22321	2.45	14.39	Si
1800	2X/2Y Ø8/10	-403	-12472	SLU 50	5298	21395	21889	2.45	53.05	-1501	-14101	SLU 51	5539	21598	22310	2.45	14.39	Si
1830	2X/2Y Ø8/10	-403	-12384	SLU 50	5288	21395	21877	2.45	53.05	-1501	-14014	SLU 51	5528	21598	22298	2.45	14.39	Si
1860	2X/2Y Ø8/10	-403	-12296	SLU 50	5277	21395	21866	2.45	53.05	-1501	-13926	SLU 51	5517	21598	22287	2.45	14.39	Si
1890	2X/2Y Ø8/10	-403	-12208	SLU 50	5266	21395	21855	2.45	53.05	-1501	-13838	SLU 51	5506	21598	22275	2.45	14.39	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-1123	-95991	SLV 3	15366	51792	52691	2.35	46.13	-3612	-78745	SLV 9	15029	48385	55356	2.5	13.4	Si
-111	5X/2Y Ø8/10	-1123	-95861	SLV 3	15366	51792	52691	2.35	46.13	-3612	-78615	SLV 9	15029	48385	55356	2.5	13.4	Si
-81	5X/2Y Ø8/10	-1123	-95728	SLV 3	15366	51792	52691	2.35	46.13	-3612	-78483	SLV 9	15029	48385	55356	2.5	13.4	Si
-52	5X/2Y Ø8/10	-1123	-95596	SLV 3	15366	51792	52691	2.35	46.13	-3612	-78351	SLV 9	15029	48385	55356	2.5	13.4	Si
-22	5X/2Y Ø8/15	-1123	-95464	SLV 3	15366	36732	50429	2.5	32.72	-3612	-78218	SLV 9	15029	32257	55343	2.5	8.93	Si
7	5X/2Y Ø8/15	-1123	-95331	SLV 3	15366	36732	50429	2.5	32.72	-3612	-78086	SLV 9	15029	32257	55325	2.5	8.93	Si
36	5X/2Y Ø8/15	-1123	-95199	SLV 3	15366	36732	50429	2.5	32.72	-3612	-77954	SLV 9	15029	32257	55306	2.5	8.93	Si
66	5X/2Y Ø8/15	-1123	-95067	SLV 3	15366	36732	50429	2.5	32.72	-3612	-77821	SLV 9	15029	32257	55287	2.5	8.93	Si
95	5X/2Y Ø8/15	-1123	-94934	SLV 3	15366	36732	50429	2.5	32.72	-3612	-77689	SLV 9	15029	32257	55269	2.5	8.93	Si
125	5X/2Y Ø8/15	-1123	-94801	SLV 3	15366	36732	50429	2.5	32.72	-3612	-77555	SLV 9	15029	32257	55250	2.5	8.93	Si
154	5X/2Y Ø8/15	-1123	-94670	SLV 3	15366	36732	50429	2.5	32.72	-3612	-77424	SLV 9	15029	32257	55231	2.5	8.93	Si
184	5X/2Y Ø8/15	-1123	-94537	SLV 3	15366	36732	50429	2.5	32.72	-3612	-77292	SLV 9	15029	32257	55212	2.5	8.93	Si
213	5X/2Y Ø8/15	-1123	-94407	SLV 3	15366	36732	50429	2.5	32.72	-3612	-77161	SLV 9	15029	32257	55194	2.5	8.93	Si
242	5X/2Y Ø8/10	-1123	-94273	SLV 3	15366	51792	52691	2.35	46.13	-3612	-77027	SLV 9	15029	48385	55175	2.5	13.4	Si
272	5X/2Y Ø8/10	-1123	-94140	SLV 3	15366	51792	52691	2.35	46.13	-3612	-76895	SLV 9	15029	48385	55156	2.5	13.4	Si
301	5X/2Y Ø8/10	-1123	-94008	SLV 3	15366	51792	52691	2.35	46.13	-3612	-76762	SLV 9	15029	48385	55138	2.5	13.4	Si
331	5X/2Y Ø8/10	-1123	-93875	SLV 3	15366	51792	52691	2.35	46.13	-3612	-76630	SLV 9	15029	48385	55119	2.5	13.4	Si
360	5X/2Y Ø8/10	-1123	-93745	SLV 3	15366	51792	52691	2.35	46.13	-3612	-76500	SLV 9	15029	48385	55100	2.5	13.4	Si
380	5X/2Y Ø8/10	-2453	-76952	SLV 3	15366	51792	52508	2.35	21.11	3458	-75534	SLV 7	15029	48385	54964	2.5	13.99	Si
409	5X/2Y Ø8/10	-2453	-76824	SLV 3	15366	51792	52491	2.35	21.11	3458	-75406	SLV 7	15029	48385	54946	2.5	13.99	Si
438	5X/2Y Ø8/10	-2453	-76693	SLV 3	15366	51792	52473	2.35	21.11	3458	-75275	SLV 7	15029	48385	54927	2.5	13.99	Si
467	5X/2Y Ø8/14.4	-2453	-76563	SLV 3	15366	38145	50204	2.5	15.55	3458	-75145	SLV 7	15029	33497	54909	2.5	9.69	Si
496	5X/2Y Ø8/14.4	-2453	-76432	SLV 3	15366	38145	50187	2.5	15.55	3458	-75014	SLV 7	15029	33497	54890	2.5	9.69	Si
525	5X/2Y Ø8/14.4	-2453	-76302	SLV 3	15366	38145	50171	2.5	15.55	3458	-74884	SLV 7	15029	33497	54872	2.5	9.69	Si
554	5X/2Y Ø8/14.4	-2453	-76171	SLV 3	15366	38145	50154	2.5	15.55	3458	-74753	SLV 7	15029	33497	54854	2.5	9.69	Si
583	5X/2Y Ø8/14.4	-2453	-76041	SLV 3	15366	38145	50137	2.5	15.55	3458	-74623	SLV 7	15029	33497	54835	2.5	9.69	Si
612	5X/2Y Ø8/10	-2453	-75910	SLV 3	15366	51792	52368	2.35	21.11	3458	-74492	SLV 7	15029	48385	54817	2.5	13.99	Si
641	5X/2Y Ø8/10	-2453	-75780	SLV 3	15366	51792	52350	2.35	21.11	3458	-74362	SLV 7	15029	48385	54798	2.5	13.99	Si
670	5X/2Y Ø8/10	-2453	-75651	SLV 3	15366	51792	52333	2.35	21.11	3458	-74234	SLV 7	15029	48385	54780	2.5	13.99	Si
690	5X/2Y Ø8/10	-2080	-58531	SLV 3	14854	50690	50774	2.3	24.38	2983	-56789	SLV 7	14228	48385	52314	2.5	16.22	Si
719	5X/2Y Ø8/10	-2080	-58400	SLV 3	14837	50690	50757	2.3	24.38	2983	-56658	SLV 7	14210	48385	52295	2.5	16.22	Si
748	5X/2Y Ø8/10	-2080	-58270	SLV 3	14821	50690	50739	2.3	24.38	2983	-56528	SLV 7	14192	48385	52277	2.5	16.22	Si
777	5X/2Y Ø8/14.4	-2080	-58139	SLV 3	14805	38145	47831	2.5	18.34	2983	-56397	SLV 7	14174	33497	52258	2.5	11.23	Si
806	5X/2Y Ø8/14.4	-2080	-58009	SLV 3	14789	38145	47815	2.5	18.34	2983	-56267	SLV 7	14157	33497	52240	2.5	11.23	Si
835	5X/2Y Ø8/14.4	-2080	-57878	SLV 3	14772	38145	47798	2.5	18.34	2983	-56136	SLV 7	14139	33497	52221	2.5	11.23	Si
864	5X/2Y Ø8/14.4	-2080	-57748	SLV 3	14756	38145	47781	2.5	18.34	2983	-56006	SLV 7	14121	33497	52203	2.5	11.23	Si
893	5X/2Y Ø8/14.4	-2080	-57617	SLV 3	14740	38145	47764	2.5	18.34	2983	-55875	SLV 7	14103	33497	52185	2.5	11.23	Si
922	5X/2Y Ø8/10	-2080	-57487	SLV 3	14724	49588	51390	2.25	23.85	2983	-55745	SLV 7	14085	48385	52166	2.5	16.22	Si
951	5X/2Y Ø8/10	-2080	-57356	SLV 3	14707	49588	51372	2.25	23.85	2983	-55614	SLV 7	14067	48385	52148	2.5	16.22	Si
980	5X/2Y Ø8/10	-2080	-57226	SLV 3	14691	49588	51354	2.25	23.85	2983	-55484	SLV 7	14050	48385	52129	2.5	16.22	Si
1000	5X/2Y Ø8/10	-1813	-39845	SLV 3	12527	48486	49680	2.2	26.74	2767	-36645	SLV 7	11475	48385	49466	2.5	17.49	Si
1029	5X/2Y Ø8/10	-1813	-39716	SLV 3	12511	48486	49662	2.2	26.74	2767	-36517	SLV 7	11457	48385	49448	2.5	17.49	Si
1058	5X/2Y Ø8/10	-1813	-39586	SLV 3	12495	48486	49644	2.2	26.74	2767	-36386	SLV 7	11440	48385	49429	2.5	17.49	Si
1087	5X/2Y Ø8/14.4	-1813	-39455	SLV 3	12479	38145	45425	2.5	21.03	2767	-36256	SLV 7	11422	33497	49411	2.5	12.11	Si
1116	5X/2Y Ø8/14.4	-1813	-39325	SLV 3	12462	38145	45408	2.5	21.03	2767	-36125	SLV 7	11404	33497	49392	2.5	12.11	Si
1145	5X/2Y Ø8/14.4	-1813	-39194	SLV 3	12446	38145	45391	2.5	21.03	2767	-35995	SLV 7	11386	33497	49374	2.5	12.11	Si
1174	5X/2Y Ø8/14.4	-1813	-39064	SLV 3	12430	38145	45375	2.5	21.03	2767	-35864	SLV 7	11368	33497	49355	2.5	12.11	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1203	5X/2Y Ø8/14.4	-1813	-38933	SLV 3	12414	38145	45358	2.5	21.03	2767	-35734	SLV 7	11350	33497	49337	2.5	12.11	Si
1232	5X/2Y Ø8/10	-1813	-38803	SLV 3	12397	48486	49533	2.2	26.74	2767	-35603	SLV 7	11333	48385	49319	2.5	17.49	Si
1261	5X/2Y Ø8/10	-1813	-38672	SLV 3	12381	48486	49515	2.2	26.74	2767	-35473	SLV 7	11315	48385	49300	2.5	17.49	Si
1290	5X/2Y Ø8/10	-1813	-38542	SLV 3	12365	48486	49497	2.2	26.74	2767	-35342	SLV 7	11297	48385	49282	2.5	17.49	Si
1310	2X/2Y Ø8/10	-1537	-22228	SLV 3	10334	22039	43206	2.5	14.34	-3061	-23936	SLV 9	9738	47417	48367	2.45	15.49	Si
1339	2X/2Y Ø8/10	-1537	-22100	SLV 3	10318	22039	43190	2.5	14.34	-3061	-23808	SLV 9	9721	47417	48349	2.45	15.49	Si
1368	2X/2Y Ø8/10	-1537	-21970	SLV 3	10302	22039	43173	2.5	14.34	-3061	-23678	SLV 9	9703	47417	48330	2.45	15.49	Si
1397	2X/2Y Ø8/14.4	-1537	-21839	SLV 3	10285	15258	43156	2.5	9.92	-3061	-23547	SLV 9	9685	33497	47614	2.5	10.94	Si
1426	2X/2Y Ø8/14.4	-1537	-21709	SLV 3	10269	15258	43139	2.5	9.92	-3061	-23417	SLV 9	9667	33497	47596	2.5	10.94	Si
1455	2X/2Y Ø8/14.4	-1537	-21578	SLV 3	10253	15258	43123	2.5	9.92	-3061	-23286	SLV 9	9649	33497	47577	2.5	10.94	Si
1484	2X/2Y Ø8/14.4	-1537	-21448	SLV 3	10237	15258	43106	2.5	9.92	-3061	-23156	SLV 9	9632	33497	47559	2.5	10.94	Si
1513	2X/2Y Ø8/14.4	-1537	-21317	SLV 3	10220	15258	43089	2.5	9.92	-3061	-23025	SLV 9	9614	33497	47540	2.5	10.94	Si
1542	2X/2Y Ø8/10	-1537	-21187	SLV 3	10204	22039	43072	2.5	14.34	-3061	-22895	SLV 9	9596	47417	48218	2.45	15.49	Si
1571	2X/2Y Ø8/10	-1537	-21056	SLV 3	10188	22039	43055	2.5	14.34	-3061	-22764	SLV 9	9578	47417	48199	2.45	15.49	Si
1600	2X/2Y Ø8/10	-1537	-20926	SLV 3	10172	22039	43038	2.5	14.34	-3061	-22634	SLV 9	9560	47417	48180	2.45	15.49	Si
1620	2X/2Y Ø8/10	-2072	-11118	SLV 5	3303	13011	13205	2.45	6.28	-1541	-8985	SLV 15	4902	21598	21641	2.45	14.02	Si
1650	2X/2Y Ø8/10	-2072	-11051	SLV 5	5123	21395	21705	2.45	10.33	-1541	-8918	SLV 15	4894	21598	21632	2.45	14.02	Si
1680	2X/2Y Ø8/10	-2072	-10984	SLV 5	5115	21395	21696	2.45	10.33	-1541	-8851	SLV 15	4885	21598	21624	2.45	14.02	Si
1710	2X/2Y Ø8/10	-2072	-10916	SLV 5	5107	21395	21687	2.45	10.33	-1541	-8783	SLV 15	4877	21598	21615	2.45	14.02	Si
1740	2X/2Y Ø8/10	-2072	-10849	SLV 5	5098	21395	21679	2.45	10.33	-1541	-8716	SLV 15	4868	21598	21606	2.45	14.02	Si
1770	2X/2Y Ø8/10	-2072	-10781	SLV 5	5090	21395	21670	2.45	10.33	-1541	-8648	SLV 15	4860	21158	21915	2.4	13.73	Si
1800	2X/2Y Ø8/10	-2072	-10714	SLV 5	5082	21395	21661	2.45	10.33	-1541	-8581	SLV 15	4852	21158	21906	2.4	13.73	Si
1830	2X/2Y Ø8/10	-2072	-10646	SLV 5	5073	21395	21653	2.45	10.33	-1541	-8513	SLV 15	4843	21158	21897	2.4	13.73	Si
1860	2X/2Y Ø8/10	-2072	-10579	SLV 5	5065	21395	21644	2.45	10.33	-1541	-8446	SLV 15	4835	21158	21888	2.4	13.73	Si
1890	2X/2Y Ø8/10	-2072	-10511	SLV 5	5057	21395	21635	2.45	10.33	-1541	-8378	SLV 15	4826	21158	21879	2.4	13.73	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-479	-90629	SLD 3	18850	55098	50429	2.5	105.34	-1634	-83805	SLD 9	17920	48385	55356	2.5	29.61	Si
-111	5X/2Y Ø8/10	-479	-90498	SLD 3	18834	55098	50429	2.5	105.34	-1634	-83675	SLD 9	17902	48385	55356	2.5	29.61	Si
-81	5X/2Y Ø8/10	-479	-90366	SLD 3	18817	55098	50429	2.5	105.34	-1634	-83543	SLD 9	17884	48385	55356	2.5	29.61	Si
-52	5X/2Y Ø8/10	-479	-90234	SLD 3	18801	55098	50429	2.5	105.34	-1634	-83411	SLD 9	17866	48385	55356	2.5	29.61	Si
-22	5X/2Y Ø8/15	-479	-90101	SLD 3	18784	36732	50429	2.5	76.73	-1634	-83278	SLD 9	17848	32257	55356	2.5	19.74	Si
7	5X/2Y Ø8/15	-479	-89969	SLD 3	18768	36732	50429	2.5	76.73	-1634	-83146	SLD 9	17830	32257	55356	2.5	19.74	Si
36	5X/2Y Ø8/15	-479	-89837	SLD 3	18751	36732	50429	2.5	76.73	-1634	-83013	SLD 9	17812	32257	55356	2.5	19.74	Si
66	5X/2Y Ø8/15	-479	-89704	SLD 3	18735	36732	50429	2.5	76.73	-1634	-82881	SLD 9	17794	32257	55356	2.5	19.74	Si
95	5X/2Y Ø8/15	-479	-89572	SLD 3	18718	36732	50429	2.5	76.73	-1634	-82749	SLD 9	17776	32257	55356	2.5	19.74	Si
125	5X/2Y Ø8/15	-479	-89438	SLD 3	18702	36732	50429	2.5	76.73	-1634	-82615	SLD 9	17757	32257	55356	2.5	19.74	Si
154	5X/2Y Ø8/15	-479	-89307	SLD 3	18685	36732	50429	2.5	76.73	-1634	-82484	SLD 9	17740	32257	55356	2.5	19.74	Si
184	5X/2Y Ø8/15	-479	-89175	SLD 3	18669	36732	50429	2.5	76.73	-1634	-82352	SLD 9	17722	32257	55356	2.5	19.74	Si
213	5X/2Y Ø8/15	-479	-89045	SLD 3	18652	36732	50429	2.5	76.73	-1634	-82221	SLD 9	17704	32257	55356	2.5	19.74	Si
242	5X/2Y Ø8/10	-479	-88910	SLD 3	18636	55098	50429	2.5	105.34	-1634	-82087	SLD 9	17685	48385	55356	2.5	29.61	Si
272	5X/2Y Ø8/10	-479	-88778	SLD 3	18619	55098	50429	2.5	105.34	-1634	-81955	SLD 9	17667	48385	55356	2.5	29.61	Si
301	5X/2Y Ø8/10	-479	-88646	SLD 3	18603	55098	50429	2.5	105.34	-1634	-81822	SLD 9	17649	48385	55356	2.5	29.61	Si
331	5X/2Y Ø8/10	-479	-88513	SLD 3	18586	55098	50429	2.5	105.34	-1634	-81690	SLD 9	17631	48385	55356	2.5	29.61	Si
360	5X/2Y Ø8/10	-479	-88383	SLD 3	18570	55098	50429	2.5	105.34	-1634	-81560	SLD 9	17613	48385	55356	2.5	29.61	Si
380	5X/2Y Ø8/10	-1107	-72863	SLD 3	16638	55098	49728	2.5	44.93	1593	-72330	SLD 7	16352	48385	54511	2.5	30.37	Si
409	5X/2Y Ø8/10	-1107	-72735	SLD 3	16622	55098	49711	2.5	44.91	1593	-72202	SLD 7	16334	48385	54493	2.5	30.37	Si
438	5X/2Y Ø8/10	-1107	-72604	SLD 3	16606	55098	49694	2.5	44.9	1593	-72072	SLD 7	16317	48385	54474	2.5	30.37	Si
467	5X/2Y Ø8/14.4	-1107	-72474	SLD 3	16589	38145	49677	2.5	34.46	1593	-71941	SLD 7	16299	33497	54456	2.5	21.02	Si
496	5X/2Y Ø8/14.4	-1107	-72343	SLD 3	16573	38145	49661	2.5	34.46	1593	-71811	SLD 7	16281	33497	54438	2.5	21.02	Si
525	5X/2Y Ø8/14.4	-1107	-72213	SLD 3	16557	38145	49644	2.5	34.46	1593	-71680	SLD 7	16263	33497	54419	2.5	21.02	Si
554	5X/2Y Ø8/14.4	-1107	-72082	SLD 3	16541	38145	49627	2.5	34.46	1593	-71550	SLD 7	16245	33497	54401	2.5	21.02	Si
583	5X/2Y Ø8/14.4	-1107	-71952	SLD 3	16524	38145	49610	2.5	34.46	1593	-71419	SLD 7	16227	33497	54382	2.5	21.02	Si
612	5X/2Y Ø8/10	-1107	-71821	SLD 3	16508	55098	49593	2.5	44.8	1593	-71289	SLD 7	16210	48385	54364	2.5	30.37	Si
641	5X/2Y Ø8/10	-1107	-71691	SLD 3	16492	55098	49577	2.5	44.79	1593	-71158	SLD 7	16192	48385	54345	2.5	30.37	Si
670	5X/2Y Ø8/10	-1107	-71562	SLD 3	16476	55098	49560	2.5	44.77	1593	-71030	SLD 7	16174	48385	54327	2.5	30.37	Si
690	5X/2Y Ø8/10	-958	-55683	SLD 3	14499	55098	47515	2.5	49.6	1243	-55040	SLD 7	13989	48385	52067	2.5	38.94	Si
719	5X/2Y Ø8/10	-958	-55553	SLD 3	14483	55098	47498	2.5	49.59	1243	-54910	SLD 7	13971	48385	52048	2.5	38.94	Si
748	5X/2Y Ø8/10	-958	-55422	SLD 3	14467	55098	47481	2.5	49.57	1243	-54779	SLD 7	13953	48385	52030	2.5	38.94	Si
777	5X/2Y Ø8/14.4	-958	-55292	SLD 3	14450	38145	47465	2.5	39.82	1243	-54649	SLD 7	13935	33497	52011	2.5	26.96	Si
806	5X/2Y Ø8/14.4	-958	-55161	SLD 3	14434	38145	47448	2.5	39.82	1243	-54518	SLD 7	13918	33497	51993	2.5	26.96	Si
835	5X/2Y Ø8/14.4	-958	-55031	SLD 3	14418	38145	47431	2.5	39.82	1243	-54388	SLD 7	13900	33497	51974	2.5	26.96	Si
864	5X/2Y Ø8/14.4	-958	-54900	SLD 3	14402	38145	47414	2.5	39.82	1243	-54257	SLD 7	13882	33497	51956	2.5	26.96	Si
893	5X/2Y Ø8/14.4	-958	-54770	SLD 3	14385	38145	47397	2.5	39.82	1243	-54127	SLD 7	13864	33497	51937	2.5	26.96	Si
922	5X/2Y Ø8/10	-958	-54639	SLD 3	14369	55098	47381	2.5	49.46	1243	-53996	SLD 7	13846	48385	51919	2.5	38.94	Si
951	5X/2Y Ø8/10	-958	-54509	SLD 3	14353	55098	47364	2.5	49.45	1243	-53866	SLD 7	13828	48385	51900	2.5	38.94	Si
980	5X/2Y Ø8/10	-958	-54378	SLD 3	14337	55098	47347	2.5	49.43	1243	-53735	SLD 7	13811	48385	51882	2.5	38.94	Si
1000	5X/2Y Ø8/10	-809	-38390	SLD 3	12346	55098	45288	2.5	55.97	1325	-37067	SLD 7	11533	48385	49526	2.5	36.53	Si
1029	5X/2Y Ø8/10	-809	-38261	SLD 3	12330	55098	45271	2.5	55.95	1325	-36938	SLD 7	11515	48385	49507	2.5	36.53	Si
1058	5X/2Y Ø8/10	-809	-38131	SLD 3	12314	55098	45254	2.5	55.93	1325	-36808	SLD 7	11497	48385	49489	2.5	36.53	Si
1087	5X/2Y Ø8/14.4	-809	-38000	SLD 3	12297	38145	45238	2.5	47.14	1325	-36677	SLD 7	11479	33497	49470	2.5	25.29	Si
1116	5X/2Y Ø8/14.4	-809	-37870	SLD 3	12281	38145	45221	2.5	47.14	1325	-36547	SLD 7	11462	33497	49452	2.5	25.29	Si
1145	5X/2Y Ø8/14.4	-809	-37739	SLD 3	12265	38145	45204	2.5	47.14	1325	-36416	SLD 7	11444	33497	49434	2.5	25.29	Si
1174	5X/2Y Ø8/14.4	-809	-37609	SLD 3	12249	38145	45187	2.5	47.14	1325	-36286	SLD 7	11426	33497	49415	2.5	25.29	Si
1203	5X/2Y Ø8/14.4	-809	-37478	SLD 3	12232	38145	45170	2.5	47.14	1325	-36155	SLD 7	11408	33497	49397	2.5	25.29	Si
1232	5X/2Y Ø8/10	-809	-37348	SLD 3	12216	55098	45154	2.5	55.8	1325	-36025	SLD 7	11390	48385	49378	2.5	36.53	Si
1261	5X/2Y Ø8/10	-809	-37217	SLD 3	12200	55098	45137	2.5	55.78	1325	-35894	SLD 7	11372	48385	49360	2.5	36.53	Si
1290	5X/2Y Ø8/10	-809	-37087	SLD 3	12184	55098	45120	2.5	55.76	1325	-35764	SLD 7	11355	48385	49341	2.5	36.53	Si
1310	2X/2Y Ø8/10	-730	-21593	SLD 3	10255	22039	43124	2.5	30.19	-1527	-22289	SLD 9	9513	48385	47436	2.5	31.07	Si
1339	2X/2Y Ø8/10	-730	-21465	SLD 3	10239	22039	43108	2.5	30.19	-1527	-22161	SLD 9	9496	48385	47418	2.5	31.06	Si
1368	2X/2Y Ø8/10	-730	-21334	SLD 3	10223	22039	43091	2.5	30.19	-1527	-22031	SLD 9	9478	48385	47400	2.5	31.04	Si
1397	2X/2Y Ø8/14.4	-730	-21204	SLD 3	10206	15258	43074	2.5	20.9	-1527	-21900	SLD 9	9460	33497	47381	2.5	21.94	Si
1426	2X/2Y Ø8/14.4	-730	-21073	SLD 3	10190	15258	43057	2.5	20.9	-1527	-21770	SLD 9	9442	33497	47363	2.5	21.94	Si
1455	2X/2Y Ø8/14.4	-730	-20943	SLD 3	10174	15258	43041	2.5	20.9	-1527	-21639	SLD 9	9424	33497	47344	2.5	21.94	Si
1484	2X/2Y Ø8/14.4	-730	-20812	SLD 3	10158	15258	43024	2.5	20.9	-1527	-21509	SLD 9	9406	33497	47326	2.5	21.94	Si
1513	2X/2Y Ø8/14.4	-730	-20682	SLD 3	10141	15258	43007	2.5	20.9	-1527	-21378	SLD 9	9389	33497	47307	2.5	21.94	Si
1542	2X/2Y Ø8/10	-730	-20551	SLD 3	10125	22039	42990	2.5	30.19	-1527	-21248	SLD 9	9371	48385	47289	2.5	30.97	Si
1571	2X/2Y Ø8/10	-730	-20421	SLD 3	10109	22039	42973	2.5	30.19	-1527	-21117	SLD 9	9353	48385	47271	2.5	30.96	Si
1600	2X/2Y Ø8/10	-730	-20290	SLD 3	10093	22039	42957	2.5	30.19	-1527	-20987	SLD 9	9335	48385	47252	2.5	30.95	Si
1620	2X/2Y Ø8/10	-973	-9495	SLD 5	3181	13277	12888	2.5	13.25	-1162	-8645	SLD 15	4860	22039	21285	2.5	18.32	Si
1650	2X/2Y Ø8/10	-973	-9428	SLD 5	4923	21832	21185	2.5	21.78	-1162	-8579	SLD 15	4851	22039	21277	2.5	18.31	Si
1680	2X/2Y Ø8/10	-973	-9361	SLD 5	4915	21832	21176	2.5	21.77	-1162	-8511	SLD 15	4843	22039	21268	2.5	18.31	Si
1710	2X/2Y Ø8/10	-973	-9293	SLD 5	4906	21832	21168	2.5	21.76	-1162	-8444	SLD 15	4834	22039	21259	2.5	18.3	Si
1740	2X/2Y Ø8/10	-973	-9226	SLD 5	4898	21832	21159	2.5	21.75	-1162	-8376	SLD 15	4826	22039	21251	2.5	18.29	Si
1770	2X/2Y Ø8/10	-973	-9158	SLD 5	4890	21832	21150	2.5	21.74	-1162	-8309	SLD 15	4818	22039	21242	2.5	18.28	Si
1800	2X/2Y Ø8/10	-973	-9091	SLD 5	4881	21832	21142	2.5	21.73	-1162	-8241	SLD 15	4809	22039	21233	2.5	18.28	Si
1830	2X/2Y Ø8/10	-973	-9023	SLD 5	4873	21832	21133	2.5	21.72	-1162	-8174	SLD 15	4801	22039	21224	2.5	18.27	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1860	2X/2Y Ø8/10	-973	-8956	SLD 5	4865	21832	21124	2.5	21.71	-1162	-8106	SLD 15	4792	22039	21216	2.5	18.26	Si
1890	2X/2Y Ø8/10	-973	-8888	SLD 5	4856	21832	21116	2.5	21.7	-1162	-8039	SLD 15	4784	22039	21207	2.5	18.25	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	168514	28266	-103355	SLE RA 13	-59.7	168514	28266	-103355	SLE RA 13	-861.1	Si
-111	156753	25077	-103224	SLE RA 13	-58.8	156753	25077	-103224	SLE RA 13	-850.5	Si
-81	144790	21834	-103092	SLE RA 13	-57.9	144790	21834	-103092	SLE RA 13	-839.7	Si
-52	132826	18590	-102960	SLE RA 13	-57	132826	18590	-102960	SLE RA 13	-828.9	Si
-22	120862	15346	-102827	SLE RA 13	-56.1	120862	15346	-102827	SLE RA 13	-818.1	Si
7	108899	12102	-102695	SLE RA 13	-55.1	108899	12102	-102695	SLE RA 13	-807.3	Si
36	96935	8859	-102563	SLE RA 13	-54.2	96935	8859	-102563	SLE RA 13	-796.5	Si
66	84971	5615	-102430	SLE RA 13	-53.3	84971	5615	-102430	SLE RA 13	-785.7	Si
95	73008	2371	-102298	SLE RA 13	-52.4	73008	2371	-102298	SLE RA 13	-774.9	Si
125	60924	-905	-102164	SLE RA 13	-51.6	60924	-905	-102164	SLE RA 13	-765.6	Si
154	49080	-4117	-102033	SLE RA 13	-51.3	49080	-4117	-102033	SLE RA 13	-760.6	Si
184	37117	-7360	-101901	SLE RA 13	-50.9	37117	-7360	-101901	SLE RA 13	-755.5	Si
213	25332	-10556	-101771	SLE RA 13	-50.6	25332	-10556	-101771	SLE RA 13	-750.5	Si
242	13189	-13848	-101636	SLE RA 13	-50.3	13189	-13848	-101636	SLE RA 13	-745.4	Si
272	1226	-17092	-101504	SLE RA 13	-49.9	1226	-17092	-101504	SLE RA 13	-740.3	Si
301	-10738	-20336	-101372	SLE RA 13	-50.6	-10738	-20336	-101372	SLE RA 13	-747.8	Si
331	-22702	-23579	-101239	SLE RA 13	-51.4	-22702	-23579	-101239	SLE RA 13	-756.7	Si
360	-34462	-26768	-101109	SLE RA 13	-52.2	-34462	-26768	-101109	SLE RA 13	-765.5	Si
380	-73306	53162	-83969	SLE RA 13	-48.3	-73306	53162	-83969	SLE RA 13	-689.1	Si
409	-59054	42568	-83841	SLE RA 13	-46.6	-59054	42568	-83841	SLE RA 13	-670.5	Si
438	-44553	31788	-83711	SLE RA 13	-44.8	-44553	31788	-83711	SLE RA 13	-651.6	Si
467	-30052	21008	-83580	SLE RA 13	-43.1	-30052	21008	-83580	SLE RA 13	-632.7	Si
496	-15550	10228	-83450	SLE RA 13	-41.4	-15550	10228	-83450	SLE RA 13	-613.7	Si
525	-1049	-552	-83319	SLE RA 13	-39.7	-1049	-552	-83319	SLE RA 13	-595.8	Si
554	13453	-11332	-83189	SLE RA 13	-41.3	13453	-11332	-83189	SLE RA 13	-611.6	Si
583	27954	-22112	-83058	SLE RA 13	-42.9	27954	-22112	-83058	SLE RA 13	-628.7	Si
612	42455	-32893	-82928	SLE RA 13	-44.5	42455	-32893	-82928	SLE RA 13	-645.8	Si
641	56957	-43673	-82797	SLE RA 13	-46.1	56957	-43673	-82797	SLE RA 13	-662.8	Si
670	71208	-54267	-82669	SLE RA 13	-47.7	71208	-54267	-82669	SLE RA 13	-679.6	Si
690	-2725	53160	-64806	SLE RA 13	-35.8	-2725	53160	-64806	SLE RA 13	-511.5	Si
719	1492	42606	-64676	SLE RA 13	-34.7	1492	42606	-64676	SLE RA 13	-500.7	Si
748	5709	32052	-64545	SLE RA 13	-33.9	5709	32052	-64545	SLE RA 13	-492.4	Si
777	9926	21499	-64415	SLE RA 13	-33.1	9926	21499	-64415	SLE RA 13	-484.6	Si
806	14142	10945	-64284	SLE RA 13	-32.3	14142	10945	-64284	SLE RA 13	-476.8	Si
835	18359	391	-64154	SLE RA 13	-31.4	18359	391	-64154	SLE RA 13	-469	Si
864	22576	-10162	-64023	SLE RA 13	-32.5	22576	-10162	-64023	SLE RA 13	-479.1	Si
893	26793	-20716	-63893	SLE RA 13	-33.6	26793	-20716	-63893	SLE RA 13	-490	Si
922	31010	-31270	-63762	SLE RA 13	-34.7	31010	-31270	-63762	SLE RA 13	-500.9	Si
951	35227	-41824	-63632	SLE RA 13	-35.8	35227	-41824	-63632	SLE RA 13	-511.7	Si
980	39444	-52377	-63501	SLE RA 13	-36.9	39444	-52377	-63501	SLE RA 13	-522.6	Si
1000	-32991	39386	-45805	SLE RA 13	-27	-32991	39386	-45805	SLE RA 13	-381	Si
1029	-20687	31658	-45677	SLE RA 13	-25.6	-20687	31658	-45677	SLE RA 13	-366.1	Si
1058	-8167	23794	-45546	SLE RA 13	-24.2	-8167	23794	-45546	SLE RA 13	-350.9	Si
1087	4353	15930	-45416	SLE RA 13	-23.3	4353	15930	-45416	SLE RA 13	-340.8	Si
1116	16873	8066	-45285	SLE RA 13	-23.1	16873	8066	-45285	SLE RA 13	-340.2	Si
1145	29393	202	-45155	SLE RA 13	-22.9	29393	202	-45155	SLE RA 13	-339.6	Si
1174	41913	-7663	-45024	SLE RA 13	-24.1	41913	-7663	-45024	SLE RA 13	-352.6	Si
1203	54432	-15527	-44894	SLE RA 13	-25.4	54432	-15527	-44894	SLE RA 13	-366	Si
1232	66952	-23391	-44763	SLE RA 13	-26.6	66952	-23391	-44763	SLE RA 13	-379.3	Si
1261	79472	-31255	-44633	SLE RA 13	-27.9	79472	-31255	-44633	SLE RA 13	-392.6	Si
1290	91992	-39119	-44502	SLE RA 13	-29.1	91992	-39119	-44502	SLE RA 13	-406	Si
1310	13852	39834	-26872	SLE RA 13	-17.1	13852	39834	-26872	SLE RA 13	-235.1	Si
1339	-4111	31223	-26744	SLE RA 13	-16.3	-4111	31223	-26744	SLE RA 13	-228.6	Si
1368	-22390	22462	-26613	SLE RA 13	-16.7	-22390	22462	-26613	SLE RA 13	-236.4	Si
1397	-40668	13700	-26483	SLE RA 13	-16.7	-40668	13700	-26483	SLE RA 13	-238.1	Si
1426	-58947	4938	-26352	SLE RA 13	-16.7	-58947	4938	-26352	SLE RA 13	-239.8	Si
1455	-77225	-3823	-26222	SLE RA 13	-17.4	-77225	-3823	-26222	SLE RA 13	-248.8	Si
1484	-95503	-12585	-26091	SLE RA 13	-19.1	-95503	-12585	-26091	SLE RA 13	-267.2	Si
1513	-113782	-21346	-25961	SLE RA 13	-20.8	-113782	-21346	-25961	SLE RA 13	-285.5	Si
1542	-132060	-30108	-25830	SLE RA 13	-22.5	-132060	-30108	-25830	SLE RA 13	-303.9	Si
1571	-150339	-38870	-25700	SLE RA 13	-23.8	-150339	-38870	-25700	SLE RA 13	-317.7	Si
1600	-168617	-47631	-25569	SLE RA 13	-22.7	-168617	-47631	-25569	SLE RA 13	-299.8	Si
1620	77109	48118	-10485	SLE RA 12	-44.7	79379	46059	-11204	SLE RA 8	-346.8	Si
1650	47768	38197	-11138	SLE RA 8	-27.5	47768	38197	-11138	SLE RA 8	-323.2	Si
1680	15620	30202	-11070	SLE RA 8	-18.8	15620	30202	-11070	SLE RA 8	-235.9	Si
1710	-17384	22618	-11044	SLE RA 9	-17.6	-17384	22618	-11044	SLE RA 9	-224.6	Si
1740	-49239	14513	-10977	SLE RA 9	-21.6	-49239	14513	-10977	SLE RA 9	-263.3	Si
1770	-81093	6407	-10909	SLE RA 9	-25.7	-81093	6407	-10909	SLE RA 9	-302	Si
1800	-112948	-1698	-10842	SLE RA 9	-30.4	-112948	-1698	-10842	SLE RA 9	-348.5	Si
1830	-146046	-12054	-10013	SLE RA 12	-47	-138831	-13326	-8885	SLE RA 10	460.2	Si
1860	-178002	-20670	-9946	SLE RA 12	-59.7	-169066	-21967	-8818	SLE RA 10	716.3	Si
1890	-209957	-29287	-9878	SLE RA 12	-72.6	-199300	-30609	-8750	SLE RA 10	982.6	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	144829	17014	-87140	SLE QP 2	-49.9	Si
-111	134995	15219	-87009	SLE QP 2	-49.2	Si
-81	124990	13393	-86877	SLE QP 2	-48.5	Si
-52	114985	11567	-86745	SLE QP 2	-47.8	Si
-22	104979	9741	-86612	SLE QP 2	-47.1	Si
7	94974	7915	-86480	SLE QP 2	-46.4	Si
36	84969	6088	-86348	SLE QP 2	-45.7	Si
66	74964	4262	-86215	SLE QP 2	-45	Si
95	64959	2436	-86083	SLE QP 2	-44.3	Si
125	54854	592	-85949	SLE QP 2	-43.5	Si
154	44949	-1216	-85818	SLE QP 2	-43.1	Si
184	34944	-3042	-85686	SLE QP 2	-42.7	Si
213	25089	-4841	-85556	SLE QP 2	-42.3	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
242	14934	-6695	-85421	SLE QP 2	-42	Si
272	4929	-8521	-85289	SLE QP 2	-41.6	Si
301	-5076	-10347	-85156	SLE QP 2	-41.7	Si
331	-15081	-12173	-85024	SLE QP 2	-42.3	Si
360	-24916	-13968	-84894	SLE QP 2	-42.9	Si
380	-59151	35603	-70185	SLE QP 2	-39.5	Si
409	-47731	28601	-70057	SLE QP 2	-38.2	Si
438	-36110	21477	-69926	SLE QP 2	-36.9	Si
467	-24490	14352	-69796	SLE QP 2	-35.7	Si
496	-12870	7227	-69665	SLE QP 2	-34.4	Si
525	-1250	103	-69535	SLE QP 2	-33.2	Si
554	10371	-7022	-69404	SLE QP 2	-34.2	Si
583	21991	-14147	-69274	SLE QP 2	-35.3	Si
612	33611	-21272	-69143	SLE QP 2	-36.4	Si
641	45231	-28396	-69013	SLE QP 2	-37.6	Si
670	56651	-35398	-68884	SLE QP 2	-38.7	Si
690	-5067	34557	-53785	SLE QP 2	-29	Si
719	-1397	27704	-53654	SLE QP 2	-28.1	Si
748	2273	20852	-53524	SLE QP 2	-27.5	Si
777	5943	13999	-53393	SLE QP 2	-27	Si
806	9612	7146	-53263	SLE QP 2	-26.5	Si
835	13282	293	-53132	SLE QP 2	-25.9	Si
864	16952	-6560	-53002	SLE QP 2	-26.6	Si
893	20622	-13413	-52871	SLE QP 2	-27.4	Si
922	24292	-20266	-52741	SLE QP 2	-28.1	Si
951	27962	-27119	-52610	SLE QP 2	-28.8	Si
980	31632	-33972	-52480	SLE QP 2	-29.6	Si
1000	-31146	23577	-37456	SLE QP 2	-21.5	Si
1029	-20363	18958	-37328	SLE QP 2	-20.5	Si
1058	-9391	14258	-37197	SLE QP 2	-19.4	Si
1087	1581	9558	-37067	SLE QP 2	-18.6	Si
1116	12554	4858	-36936	SLE QP 2	-18.6	Si
1145	23526	158	-36806	SLE QP 2	-18.6	Si
1174	34498	-4542	-36675	SLE QP 2	-19.5	Si
1203	45471	-9242	-36545	SLE QP 2	-20.4	Si
1232	56443	-13942	-36414	SLE QP 2	-21.3	Si
1261	67415	-18642	-36284	SLE QP 2	-22.2	Si
1290	78387	-23342	-36153	SLE QP 2	-23.1	Si
1310	9951	25724	-21161	SLE QP 2	-12.9	Si
1339	-4156	19770	-21032	SLE QP 2	-12.4	Si
1368	-18510	13711	-20902	SLE QP 2	-12.8	Si
1397	-32864	7652	-20771	SLE QP 2	-12.8	Si
1426	-47218	1593	-20641	SLE QP 2	-12.9	Si
1455	-61571	-4466	-20510	SLE QP 2	-13.8	Si
1484	-75925	-10525	-20380	SLE QP 2	-15	Si
1513	-90279	-16584	-20249	SLE QP 2	-16.3	Si
1542	-104633	-22643	-20119	SLE QP 2	-17.5	Si
1571	-118987	-28702	-19988	SLE QP 2	-18.5	Si
1600	-133341	-34761	-19858	SLE QP 2	-17.5	Si
1620	66391	39658	-8404	SLE QP 2	-31.1	Si
1650	40169	32528	-8337	SLE QP 2	-22.2	Si
1680	13503	25278	-8270	SLE QP 2	-14.9	Si
1710	-13163	18027	-8202	SLE QP 2	-13.4	Si
1740	-39829	10776	-8135	SLE QP 2	-16.6	Si
1770	-66495	3526	-8067	SLE QP 2	-19.9	Si
1800	-93161	-3725	-8000	SLE QP 2	-24.6	Si
1830	-119827	-10976	-7932	SLE QP 2	-39	Si
1860	-146493	-18227	-7865	SLE QP 2	-49.6	Si
1890	-173160	-25477	-7797	SLE QP 2	-60.5	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-140	133644	14184	-80771										No	Si
-111	124565	12778	-80640										No	Si
-81	115328	11348	-80508										No	Si
-52	106091	9918	-80376										No	Si
-22	96854	8487	-80243										No	Si
7	87618	7057	-80111										No	Si
36	78381	5627	-79979										No	Si
66	69144	4197	-79846										No	Si
95	59908	2766	-79714										No	Si
125	50579	1322	-79580										No	Si
154	41434	-94	-79449										No	Si
184	32198	-1525	-79317										No	Si
213	23099	-2933	-79187										No	Si
242	13724	-4385	-79052										No	Si
272	4488	-5815	-78920										No	Si
301	-4749	-7246	-78788										No	Si
331	-13986	-8676	-78655										No	Si
360	-23066	-10082	-78525										No	Si
380	-56271	27417	-64894										No	Si
409	-45524	21971	-64766										No	Si
438	-34588	16429	-64636										No	Si
467	-23653	10887	-64505										No	Si
496	-12717	5345	-64375										No	Si
525	-1781	-197	-64244										No	Si
554	9154	-5739	-64114										No	Si
583	20090	-11281	-63983										No	Si
612	31025	-16823	-63853										No	Si
641	41961	-22365	-63722										No	Si
670	52708	-27811	-63594										No	Si
690	-5861	27609	-49618										No	Si
719	-2288	22159	-49488										No	Si
748	1285	16709	-49357										No	Si
777	4857	11259	-49227										No	Si
806	8430	5809	-49096										No	Si

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
835	12003	359	-48966										No	Si
864	15575	-5091	-48835										No	Si
893	19148	-10540	-48705										No	Si
922	22721	-15990	-48574										No	Si
951	26294	-21440	-48444										No	Si
980	29866	-26890	-48313										No	Si
1000	-29798	17239	-34398										No	Si
1029	-19647	13877	-34270										No	Si
1058	-9318	10456	-34140										No	Si
1087	1012	7035	-34009										No	Si
1116	11341	3613	-33879										No	Si
1145	21670	192	-33748										No	Si
1174	32000	-3229	-33618										No	Si
1203	42329	-6650	-33487										No	Si
1232	52658	-10072	-33357										No	Si
1261	62988	-13493	-33226										No	Si
1290	73317	-16914	-33096										No	Si
1310	8437	20351	-19208										No	Si
1339	-4456	15348	-19079										No	Si
1368	-17576	10256	-18949										No	Si
1397	-30696	5165	-18818										No	Si
1426	-43816	74	-18688										No	Si
1455	-56936	-5018	-18557										No	Si
1484	-70056	-10109	-18427										No	Si
1513	-83176	-15201	-18296										No	Si
1542	-96296	-20292	-18166										No	Si
1571	-109416	-25383	-18035										No	Si
1600	-126934	-31145	-18303										No	Si
1620	68080	41762	-8676										No	Si
1650	40856	34242	-8609										No	Si
1680	14002	23304	-7861										No	Si
1710	-11135	16650	-7794										No	Si
1740	-42200	11297	-8407										No	Si
1770	-69886	3649	-8339										No	Si
1800	-97572	-3999	-8272										No	Si
1830	-125257	-11647	-8204										No	Si
1860	-152943	-19295	-8137										No	Si
1890	-180628	-26944	-8069	SLE FR 6	-179161	-26725	-26725	876.9	201.5	0.0299	27.16	0.0069	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

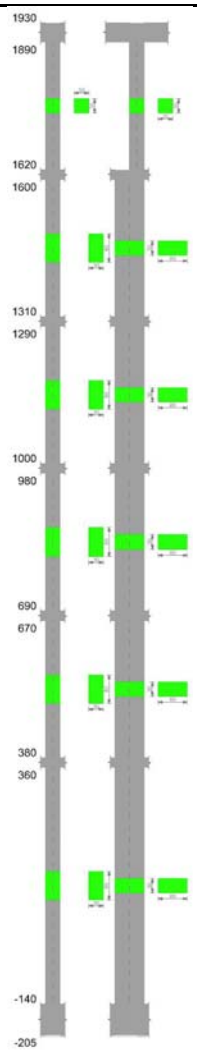
Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 1910 in quanto elemento di estremità superiore alla pilastrata.

Pilastro 37

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60	No	No	No	No		C30/37	B450C	
380	670	R 30x60	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x60	No	No	No	No		C30/37	B450C	
1310	1600	R 30x60	No	No	No	No		C30/37	B450C	
1620	1890	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.5	-9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.6	-9.67	-24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.67	-24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.8	9.67	24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.8	-9.67	24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.9	-9.9	0	1.6	2.011	1310	1620	R 30x60	B450C
p.9	9.9	0	1.6	2.011	1310	1620	R 30x60	B450C
p.11	-9.67	5.33	1.6	2.011	1620.1	1930	R 30x30_1	B450C
p.11	9.67	5.33	1.6	2.011	1620.1	1930	R 30x30_1	B450C
p.11	9.67	24.67	1.6	2.011	1620.1	1930	R 30x30_1	B450C
p.11	-9.67	24.67	1.6	2.011	1620.1	1930	R 30x30_1	B450C
p.12	-9.9	15	1.6	2.011	1620.1	1930	R 30x30_1	B450C
p.13	9.9	15	1.6	2.011	1620.1	1930	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	434124	-434124	-160046	818158	-818158	SLU 52	1.885	Si
-111	20.11	2.2	0	1,2	433665	-433665	-159876	818158	-818158	SLU 52	1.887	Si
-81	20.11	1.1	0	2	433198	-433198	-159704	818158	-818158	SLU 52	1.889	Si
-52	20.11	1.1	0	2	432731	-432731	-159532	818158	-818158	SLU 52	1.891	Si
-22	20.11	1.1	0	2	432265	-432265	-159360	818158	-818158	SLU 52	1.893	Si
7	20.11	1.1	0	2	431798	-431798	-159188	818158	-818158	SLU 52	1.895	Si
36	20.11	1.1	0	2	431331	-431331	-159016	818158	-818158	SLU 52	1.897	Si
66	20.11	1.1	0	2	430865	430865	-158844	818158	818158	SLU 52	1.899	Si
95	20.11	1.1	0	2	430398	430398	-158672	818158	818158	SLU 52	1.901	Si
125	20.11	1.1	0	2	429927	429927	-158498	818158	818158	SLU 52	1.903	Si
154	20.11	1.1	0	2	429465	429465	-158328	818158	818158	SLU 52	1.905	Si
184	20.11	1.1	0	2	428998	428998	-158156	818158	818158	SLU 52	1.907	Si
213	20.11	1.1	0	2	428538	428538	-157986	818158	818158	SLU 52	1.909	Si
242	20.11	1.1	0	2	-428064	428064	-157812	-818158	818158	SLU 52	1.911	Si
272	20.11	1.1	0	2	-427598	427598	-157640	-818158	818158	SLU 52	1.913	Si
301	20.11	1.1	0	2	-427131	427131	-157468	-818158	818158	SLU 52	1.915	Si
331	20.11	1.1	0	2	-426664	426664	-157296	-818158	818158	SLU 52	1.918	Si
360	20.11	1.1	0	2	-426205	426205	-157126	-818158	818158	SLU 52	1.92	Si
380	20.11	2.2	0	2,3	-258401	-258401	-129200	-647491	-647491	SLU 52	2.506	Si
409	20.11	2.2	0	2,3	-258067	-258067	-129034	-647491	-647491	SLU 52	2.509	Si
438	20.11	1.1	0	3	-257728	-257728	-128864	-647491	-647491	SLU 52	2.512	Si
467	20.11	1.1	0	3	-257389	-257389	-128694	-647491	-647491	SLU 52	2.516	Si
496	20.11	1.1	0	3	257049	-257049	-128525	647491	-647491	SLU 52	2.519	Si
525	20.11	1.1	0	3	256710	256710	-128355	647491	647491	SLU 52	2.522	Si
554	20.11	1.1	0	3	256371	256371	-128185	647491	647491	SLU 52	2.526	Si
583	20.11	1.1	0	3	256031	256031	-128016	647491	647491	SLU 52	2.529	Si
612	20.11	1.1	0	3	255692	255692	-127846	647491	647491	SLU 52	2.532	Si
641	20.11	1.1	0	3	255353	255353	-127676	647491	647491	SLU 52	2.536	Si
670	20.11	1.1	0	3	255019	255019	-127510	647491	647491	SLU 52	2.539	Si
690	20.11	2.2	0	3,4	196816	-196816	-98408	647491	-647491	SLU 52	3.29	Si
719	20.11	2.2	0	3,4	196477	-196477	-98239	647491	-647491	SLU 52	3.296	Si
748	20.11	1.1	0	4	196138	-196138	-98069	647491	-647491	SLU 52	3.301	Si
777	20.11	1.1	0	4	-195798	-195798	-97899	-647491	-647491	SLU 52	3.307	Si
806	20.11	1.1	0	4	-195459	-195459	-97730	-647491	-647491	SLU 52	3.313	Si
835	20.11	1.1	0	4	-195120	-195120	-97560	-647491	-647491	SLU 52	3.318	Si
864	20.11	1.1	0	4	-194781	-194781	-97390	-647491	-647491	SLU 52	3.324	Si
893	20.11	1.1	0	4	-194441	194441	-97221	-647491	647491	SLU 52	3.33	Si
922	20.11	1.1	0	4	-194102	194102	-97051	-647491	647491	SLU 52	3.336	Si
951	20.11	1.1	0	4	-193763	193763	-96881	-647491	647491	SLU 52	3.342	Si
980	20.11	1.1	0	4	-193429	193429	-96715	-647491	647491	SLU 52	3.347	Si
1000	20.11	2.2	0	4,5	-140476	-140476	-70238	-647491	-647491	SLU 52	4.609	Si
1029	20.11	2.2	0	4,5	140136	-140136	-70068	647491	-647491	SLU 52	4.62	Si
1058	20.11	1.1	0	5	139797	-139797	-69899	647491	-647491	SLU 52	4.632	Si
1087	20.11	1.1	0	5	139458	-139458	-69729	647491	-647491	SLU 52	4.643	Si
1116	20.11	1.1	0	5	139118	-139118	-69559	647491	-647491	SLU 52	4.654	Si
1145	20.11	1.1	0	5	138779	-138779	-69390	647491	-647491	SLU 52	4.666	Si
1174	20.11	1.1	0	5	138440	-138440	-69220	647491	-647491	SLU 52	4.677	Si
1203	20.11	1.1	0	5	138101	-138101	-69050	647491	-647491	SLU 52	4.689	Si
1232	20.11	1.1	0	5	137761	-137761	-68881	647491	-647491	SLU 52	4.7	Si
1261	20.11	1.1	0	5	137422	-137422	-68711	647491	-647491	SLU 52	4.712	Si
1290	20.11	1.1	0	5	137083	-137083	-68541	647491	-647491	SLU 52	4.723	Si
1310	20.11	1.8	0	5,6,8,9	84724	80190	-40095	682542	646013	SLU 52	8.056	Si
1339	15.5	1.8	0	5,6,8,9	79851	79851	-39925	618238	618238	SLU 52	7.742	Si
1368	12.06	0.7	0	6,8,9	-79511	79511	-39756	-595599	595599	SLU 52	7.491	Si
1397	12.06	0.7	0	6,8,9	-79172	79172	-39586	-595599	595599	SLU 52	7.523	Si
1426	12.06	0.7	0	6,8,9	-131064	-78833	-39416	-959761	-577281	SLU 52	7.323	Si
1455	12.06	0.7	0	6,8,9	-185011	-78494	-39247	-1301886	-552344	SLU 52	7.037	Si
1484	12.06	0.7	0	6,8,9	-238958	-78154	-39077	-1604629	-524814	SLU 52	6.715	Si
1513	12.06	0.7	0	6,8,9	-292905	-77815	-38907	-1865081	-495489	SLU 52	6.368	Si
1542	12.06	0.7	0	6,8,9	-346852	-77476	-38738	-2089945	-466827	SLU 52	6.025	Si
1571	13.12	1.6	0	6,7,8,9,10	-403504	-76856	-38428	-2333624	-444489	SLU 51	5.783	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1600	24.75	2	0	6,7,8,9,10	-458268	-76517	-38258	-2909352	-485772	SLU 51	6.349	Si
1620	4.02	0.4	0	10	-159129	52779	-12591	-559130	185449	SLU 49	3.514	Si
1650	8.76	1.8	0	10,11,12,13	-120022	41302	-14066	-710511	244501	SLU 51	5.92	Si
1680	12.06	1.3	0	11,12,13	-72079	29777	-14888	-618522	255518	SLU 47	8.581	Si
1710	12.06	1.3	0	11,12,13	-30567	29601	-14801	-325251	314975	SLU 47	10.641	Si
1740	12.06	1.3	0	11,12,13	29526	29526	-14763	316346	316346	SLU 48	10.714	Si
1770	12.06	1.3	0	11,12,13	53197	-29351	-14675	509483	-281103	SLU 48	9.577	Si
1800	12.06	1.3	0	11,12,13	94175	-29175	-14588	725088	-224633	SLU 48	7.699	Si
1830	12.06	1.3	0	11,12,13	139483	-29266	-13590	863129	-181101	SLU 52	6.188	Si
1860	12.06	1.3	0	11,12,13	183119	-40621	-13452	889872	-197397	SLU 51	4.86	Si
1890	12.06	1.3	0	11,12,13	226424	-52324	-13364	871037	-201286	SLU 51	3.847	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	1322401	166367	-86227	-2.02	1.92	2399046	301816	SLV 5	1.814				Si
-111	20.11	2.2	0	1,2	1215361	151870	-86097	-2.02	1.92	2368894	296014	SLV 5	1.949				Si
-81	20.11	1.1	0	2	1106488	137153	-85964	-2.02	1.92	2321608	287771	SLV 5	2.098				Si
-52	20.11	1.1	0	2	-816286	-133524	-105119	-2.02	1.92	-1821198	-297902	SLV 11	2.231				Si
-22	20.11	1.1	0	2	-726015	-115807	-104986	-2.02	1.92	-1703964	-271800	SLV 11	2.347				Si
7	20.11	1.1	0	2	-635791	-98176	-104854	-2.02	1.92	-1569744	-242394	SLV 11	2.469				Si
36	20.11	1.1	0	2	-545636	-80677	-104722	-2.02	1.92	-1419949	-209951	SLV 11	2.602				Si
66	20.11	1.1	0	2	-455603	-8501	-104589	-2.02	1.92	-1300578	-24268	SLV 11	2.855				Si
95	20.11	1.1	0	2	-365768	8183	-104457	-2.02	1.92	-1095719	24514	SLV 11	2.996				Si
125	20.11	1.1	0	2	-156395	-30594	-105424	-2.02	1.92	-488470	-95555	SLV 15	3.123				Si
154	20.11	1.1	0	2	-105691	134	-105293	-2.02	1.92	-330515	420	SLV 15	3.127				Si
184	20.11	1.1	0	2	-60194	36691	-105160	-2.02	1.92	-188475	114883	SLV 15	3.131				Si
213	20.11	1.1	0	2	-30872	66824	-105030	-2.02	1.92	-96784	209494	SLV 15	3.135				Si
242	20.11	1.1	0	2	-28513	100441	-104896	-2.02	1.92	-89504	315286	SLV 15	3.139				Si
272	20.11	1.1	0	2	-30647	134204	-104763	-2.02	1.92	-96324	421803	SLV 15	3.143				Si
301	20.11	1.1	0	2	177322	168278	-104631	-2.02	1.92	509128	483161	SLV 15	2.871				Si
331	20.11	1.1	0	2	230238	202522	-104499	-2.02	1.92	627279	551769	SLV 15	2.724				Si
360	20.11	1.1	0	2	282673	236269	-104368	-2.02	1.92	733131	612779	SLV 15	2.594				Si
380	20.11	2.2	0	2,3	-319204	-370085	-84533	-2.02	1.92	-819792	-950465	SLV 15	2.568				Si
409	20.11	2.2	0	2,3	-262674	-301627	-84404	-2.02	1.92	-742200	-852264	SLV 15	2.826				Si
438	20.11	1.1	0	3	-206420	-232089	-84274	-2.02	1.92	-642141	-721995	SLV 15	3.111				Si
467	20.11	1.1	0	3	-152752	-162831	-84143	-2.02	1.92	-525767	-560459	SLV 15	3.442				Si
496	20.11	1.1	0	3	-105179	-94482	-84013	-2.02	1.92	-403189	-362182	SLV 15	3.833				Si
525	20.11	1.1	0	3	-73732	-33145	-83882	-2.02	1.92	-289428	-130108	SLV 15	3.925				Si
554	20.11	1.1	0	3	55552	55645	-83752	-2.02	1.92	218403	218767	SLV 15	3.931				Si
583	20.11	1.1	0	3	136829	121416	-83621	-2.02	1.92	500511	444131	SLV 15	3.658				Si
612	20.11	1.1	0	3	187992	190236	-83491	-2.02	1.92	620290	627694	SLV 15	3.3				Si
641	20.11	1.1	0	3	243182	259622	-83360	-2.02	1.92	728551	777804	SLV 15	2.996				Si
670	20.11	1.1	0	3	299185	328012	-83232	-2.02	1.92	815908	894523	SLV 15	2.727				Si
690	20.11	2.2	0	3,4	-258466	-275165	-63088	-2.02	1.92	-879722	-936560	SLV 15	3.404				Si
719	20.11	2.2	0	3,4	-208528	-218009	-62957	-2.02	1.92	-791259	-827237	SLV 15	3.795				Si
748	20.11	1.1	0	4	-45396	-161191	-62827	-2.02	1.92	-205757	-730596	SLV 15	4.532				Si
777	20.11	1.1	0	4	117181	-92535	-61738	-2.02	1.92	570961	-450877	SLV 13	4.872				Si
806	20.11	1.1	0	4	33851	-54148	-62566	-2.02	1.92	178150	-284970	SLV 15	5.263				Si
835	20.11	1.1	0	4	81708	31298	-62435	-2.02	1.92	430911	165057	SLV 15	5.274				Si
864	20.11	1.1	0	4	111220	77930	-62305	-2.02	1.92	553024	387494	SLV 15	4.972				Si
893	20.11	1.1	0	4	154437	133085	-62174	-2.02	1.92	686089	591230	SLV 15	4.443				Si
922	20.11	1.1	0	4	202555	189698	-62044	-2.02	1.92	808217	756917	SLV 15	3.99				Si
951	20.11	1.1	0	4	252855	246769	-61913	-2.02	1.92	905853	884050	SLV 15	3.582				Si
980	20.11	1.1	0	4	303400	303053	-61785	-2.02	1.92	974098	972983	SLV 15	3.211				Si
1000	20.11	2.2	0	4,5	211927	-220242	-44357	-2.02	1.92	947765	-984952	SLV 13	4.472				Si
1029	20.11	2.2	0	4,5	174691	-175099	-44227	-2.02	1.92	882762	-884824	SLV 13	5.053				Si
1058	20.11	1.1	0	5	140146	-130107	-44096	-2.02	1.92	796522	-739465	SLV 13	5.684				Si
1087	20.11	1.1	0	5	111462	-85526	-43966	-2.02	1.92	711001	-545560	SLV 13	6.379				Si
1116	20.11	1.1	0	5	85424	-42998	-43835	-2.02	1.92	614806	-309463	SLV 13	7.197				Si
1145	20.11	1.1	0	5	112443	23899	-42610	-2.02	1.92	834168	177299	SLV 15	7.419				Si
1174	20.11	1.1	0	5	151372	64025	-42479	-2.02	1.92	991268	419270	SLV 15	6.549				Si
1203	20.11	1.1	0	5	199008	113603	-42349	-2.02	1.92	1132489	646478	SLV 15	5.691				Si
1232	20.11	1.1	0	5	250175	164274	-42218	-2.02	1.92	1230105	807731	SLV 15	4.917				Si
1261	20.11	1.1	0	5	303051	215261	-42088	-2.02	1.92	1278490	908126	SLV 15	4.219				Si
1290	20.11	1.1	0	5	356861	266382	-41957	-2.02	1.92	1289541	962589	SLV 15	3.614				Si
1310	20.11	1.8	0	5,6,8,9	262641	-163754	-25810	-2.02	1.92	1444164	-900422	SLV 13	5.499				Si
1339	15.5	1.8	0	5,6,8,9	175479	-126515	-25680	-2.02	1.92	1201659	-866355	SLV 13	6.848				Si
1368	12.06	0.7	0	6,8,9	92388	-88996	-25549	-2.02	1.92	792712	-763608	SLV 13	8.58				Si
1397	12.06	0.7	0	6,8,9	-63642	70101	-21237	-2.02	1.92	-682392	751640	SLV 1	10.722				Si
1426	12.06	0.7	0	6,8,9	-158083	23339	-25321	-2.02	1.92	-1506173	222365	SLV 5	9.528				Si
1455	12.06	0.7	0	6,8,9	-223351	34718	-26445	-2.02	1.92	-1803226	280295	SLV 9	8.074				Si
1484	12.06	0.7	0	6,8,9	-389293	53709	-26315	-2.02	1.92	-2226945	307243	SLV 9	5.72				Si
1513	12.06	0.7	0	6,8,9	-515422	73979	-26184	-2.02	1.92	-2224714	319313	SLV 9	4.316				Si
1542	12.06	0.7	0	6,8,9	-642664	94658	-26054	-2.02	1.92	-2155385	317467	SLV 9	3.354				Si
1571	13.12	1.6	0	6,7,8,9,10	-770427	115534	-25923	-2.02	1.92	-2037173	305496	SLV 9	2.644				Si
1600	24.75	2	0	6,7,8,9,10	-898475	136520	-25793	-2.02	1.92	-2176017	330637	SLV 9	2.422				Si
1620	4.02	0.4	0	10	-198220	193377	-9182	-2.02	1.92	-202841	197884	SLV 1	1.023				Si
1650	8.76	1.8	0	10,11,12,13	-115358	169144	-7010	-2.02	1.92	-220596	323451	SLV 7	1.912				Si
1680	12.06	1.3	0	11,12,13	-101649	110576	-8316	-2.02	1.92	-379064	412356	SLV 3	3.729				Si
1710	12.06	1.3	0	11,12,13	-41042	83033	-6875	-2.02	1.92	-259498	524998	SLV 7	6.323				Si
1740	12.06	1.3	0	11,12,13	13990	-49696	-8797	-2.02	1.92	156605	-556304	SLV 9	11.194				Si
1770	12.06	1.3	0	11,12,13	30251	-66686	-8729	-2.02	1.92	247373	-545321	SLV 9	8.177				Si
1800	12.06	1.3	0	11,12,13	52406	-104774	-8662	-2.02	1.92	261669	-523151	SLV 9	4.993				Si
1830	12.06	1.3	0	11,12,13	76430	-149575	-8594	-2.02	1.92	258425	-505745	SLV 9	3.381				Si
1860	12.06	1.3	0	11,12,13	100778	-196661	-8527	-2.02	1.92	247995	-483946	SLV 9	2.461				Si
1890	12.06	1.3	0	11,12,13	125209	-244748	-8459	-2.02	1.92	228634	-446916	SLV 9	1.826				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	592035	59819	-92082	1668269	168560	SLD 5	2.818	Si
-111	20.11	2.2	0	1,2	544257	54951	-91952	1578198	159342	SLD 5	2.9	Si
-81	20.11	1.1	0	2	495663	50012	-91820	1481044	149436	SLD 5	2.988	Si
-52	20.11	1.1	0	2	447083	45092	-91688	1377801	138962	SLD 5	3.082	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-22	20.11	1.1	0	2	398522	40199	-91555	1267890	127894	SLD 5	3.181	Si
7	20.11	1.1	0	2	349987	35345	-91423	1150660	116204	SLD 5	3.288	Si
36	20.11	1.1	0	2	-86010	-57445	-99282	-285254	-190516	SLD 15	3.317	Si
66	20.11	1.1	0	2	-70478	-36593	-99150	-234053	-121522	SLD 15	3.321	Si
95	20.11	1.1	0	2	-55079	-22391	-99017	-183159	-74460	SLD 15	3.325	Si
125	20.11	1.1	0	2	-39787	-9604	-98884	-132485	-31982	SLD 15	3.33	Si
154	20.11	1.1	0	2	-25561	3347	-98753	-85229	11159	SLD 15	3.334	Si
184	20.11	1.1	0	2	-13995	18994	-98620	-46727	63418	SLD 15	3.339	Si
213	20.11	1.1	0	2	-9025	31715	-98490	-30173	106028	SLD 15	3.343	Si
242	20.11	1.1	0	2	-13019	45882	-98356	-43586	153603	SLD 15	3.348	Si
272	20.11	1.1	0	2	-19460	60094	-98223	-65235	201450	SLD 15	3.352	Si
301	20.11	1.1	0	2	59669	74425	-98091	200296	249830	SLD 15	3.357	Si
331	20.11	1.1	0	2	74929	88823	-97959	251861	298561	SLD 15	3.361	Si
360	20.11	1.1	0	2	90125	103008	-97828	303341	346704	SLD 15	3.366	Si
380	20.11	2.2	0	2,3	-133942	-155051	-79832	-488449	-565427	SLD 15	3.647	Si
409	20.11	2.2	0	2,3	-109703	-126227	-79704	-420515	-483857	SLD 15	3.833	Si
438	20.11	1.1	0	3	-85643	-96954	-79574	-346162	-391881	SLD 15	4.042	Si
467	20.11	1.1	0	3	-62785	-67809	-79443	-260228	-281049	SLD 15	4.145	Si
496	20.11	1.1	0	3	-42629	-39073	-79313	-176975	-162214	SLD 15	4.152	Si
525	20.11	1.1	0	3	-28977	-13155	-79182	-120498	-54703	SLD 15	4.158	Si
554	20.11	1.1	0	3	30122	24534	-79052	125467	102190	SLD 15	4.165	Si
583	20.11	1.1	0	3	64822	52135	-78921	270447	217514	SLD 15	4.172	Si
612	20.11	1.1	0	3	86525	81075	-78791	359949	337277	SLD 15	4.16	Si
641	20.11	1.1	0	3	110074	110277	-78660	434963	435762	SLD 15	3.952	Si
670	20.11	1.1	0	3	134055	139068	-78532	504556	523422	SLD 15	3.764	Si
690	20.11	2.2	0	3,4	-100564	-114689	-60078	-488951	-557630	SLD 15	4.862	Si
719	20.11	2.2	0	3,4	-82211	-91567	-59948	-421472	-469439	SLD 15	5.127	Si
748	20.11	1.1	0	4	-17643	-68582	-59817	-97117	-377517	SLD 15	5.505	Si
777	20.11	1.1	0	4	11885	-45974	-59687	65567	-253623	SLD 15	5.517	Si
806	20.11	1.1	0	4	11536	-25235	-59556	63777	-139516	SLD 15	5.529	Si
835	20.11	1.1	0	4	31992	9405	-59426	177265	52110	SLD 15	5.541	Si
864	20.11	1.1	0	4	41297	28241	-59295	229322	156821	SLD 15	5.553	Si
893	20.11	1.1	0	4	56427	50523	-59165	314031	281173	SLD 15	5.565	Si
922	20.11	1.1	0	4	73820	73415	-59034	397804	395620	SLD 15	5.389	Si
951	20.11	1.1	0	4	92235	96499	-58904	471799	493607	SLD 15	5.115	Si
980	20.11	1.1	0	4	110854	119266	-58776	539806	580771	SLD 15	4.87	Si
1000	20.11	2.2	0	4,5	81995	-81858	-42274	558647	-557715	SLD 13	6.813	Si
1029	20.11	2.2	0	4,5	71675	-65496	-42143	513497	-469234	SLD 13	7.164	Si
1058	20.11	1.1	0	5	62434	-49195	-42013	470915	-371056	SLD 13	7.543	Si
1087	20.11	1.1	0	5	55508	-33057	-41882	436397	-259888	SLD 13	7.862	Si
1116	20.11	1.1	0	5	48345	-17733	-41752	381266	-139851	SLD 13	7.886	Si
1145	20.11	1.1	0	5	44383	6395	-41621	351119	50595	SLD 13	7.911	Si
1174	20.11	1.1	0	5	51721	18366	-41491	410457	145749	SLD 13	7.936	Si
1203	20.11	1.1	0	5	104760	39942	-40903	783340	298662	SLD 15	7.477	Si
1232	20.11	1.1	0	5	129217	58521	-40773	903380	409130	SLD 15	6.991	Si
1261	20.11	1.1	0	5	154463	77230	-40642	1012612	506295	SLD 15	6.556	Si
1290	20.11	1.1	0	5	180136	95994	-40512	1110279	591666	SLD 15	6.164	Si
1310	20.11	1.8	0	5,6,8,9	161754	54395	-23869	1543484	519044	SLD 5	9.542	Si
1339	15.5	1.8	0	5,6,8,9	101218	41400	-23739	1084973	443779	SLD 5	10.719	Si
1368	12.06	0.7	0	6,8,9	-54478	47104	-20977	-657253	568281	SLD 3	12.064	Si
1397	12.06	0.7	0	6,8,9	-2818	4103	-23975	-34999	50962	SLD 9	12.421	Si
1426	12.06	0.7	0	6,8,9	-109824	10062	-23347	-1259020	115350	SLD 5	11.464	Si
1455	12.06	0.7	0	6,8,9	-150279	12222	-23714	-1563440	127152	SLD 9	10.404	Si
1484	12.06	0.7	0	6,8,9	-234539	17349	-23584	-2063074	152602	SLD 9	8.796	Si
1513	12.06	0.7	0	6,8,9	-302406	23009	-23453	-2289077	174167	SLD 9	7.57	Si
1542	12.06	0.7	0	6,8,9	-370904	28839	-23323	-2391635	185959	SLD 9	6.448	Si
1571	13.12	1.6	0	6,7,8,9,10	-439698	34751	-23192	-2450416	193665	SLD 9	5.573	Si
1600	24.75	2	0	6,7,8,9,10	-508654	40708	-23062	-2772093	221852	SLD 9	5.45	Si
1620	4.02	0.4	0	10	-137489	111383	-8514	-254113	205863	SLD 1	1.848	Si
1650	8.76	1.8	0	10,11,12,13	-102859	87106	-8151	-379965	321772	SLD 3	3.694	Si
1680	12.06	1.3	0	11,12,13	-68331	63098	-8084	-430194	397246	SLD 3	6.296	Si
1710	12.06	1.3	0	11,12,13	-34103	39841	-8016	-367275	429065	SLD 3	10.77	Si
1740	12.06	1.3	0	11,12,13	10093	-18236	-8206	172187	-311088	SLD 9	17.059	Si
1770	12.06	1.3	0	11,12,13	31206	-29361	-8138	387117	-364234	SLD 9	12.405	Si
1800	12.06	1.3	0	11,12,13	55021	-52271	-8071	426676	-405351	SLD 9	7.755	Si
1830	12.06	1.3	0	11,12,13	79882	-78261	-8003	410998	-402657	SLD 9	5.145	Si
1860	12.06	1.3	0	11,12,13	104901	-105161	-7936	395595	-396575	SLD 9	3.771	Si
1890	12.06	1.3	0	11,12,13	129957	-132436	-7868	384810	-392152	SLD 9	2.961	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	161	-122601	SLU 33	15366	51792	52691	2.35	322.61	-533	-160046	SLU 52	15029	48385	54146	2.5	90.81	Si
-111	5X/2Y Ø8/10	161	-122432	SLU 33	15366	51792	52691	2.35	322.61	-533	-159876	SLU 52	15029	48385	54206	2.5	90.81	Si
-81	5X/2Y Ø8/10	161	-122260	SLU 33	15366	51792	52691	2.35	322.61	-533	-159704	SLU 52	15029	48385	54267	2.5	90.81	Si
-52	5X/2Y Ø8/10	161	-122088	SLU 33	15366	51792	52691	2.35	322.61	-533	-159532	SLU 52	15029	48385	54327	2.5	90.81	Si
-22	5X/2Y Ø8/15	161	-121916	SLU 33	15366	36732	50429	2.5	228.8	-533	-159360	SLU 52	15029	32257	54388	2.5	60.54	Si
7	5X/2Y Ø8/15	161	-121744	SLU 33	15366	36732	50429	2.5	228.8	-533	-159188	SLU 52	15029	32257	54449	2.5	60.54	Si
36	5X/2Y Ø8/15	161	-121572	SLU 33	15366	36732	50429	2.5	228.8	-533	-159016	SLU 52	15029	32257	54510	2.5	60.54	Si
66	5X/2Y Ø8/15	161	-121400	SLU 33	15366	36732	50429	2.5	228.8	-533	-158844	SLU 52	15029	32257	54571	2.5	60.54	Si
95	5X/2Y Ø8/15	161	-121228	SLU 33	15366	36732	50429	2.5	228.8	-533	-158672	SLU 52	15029	32257	54632	2.5	60.54	Si
125	5X/2Y Ø8/15	161	-121054	SLU 33	15366	36732	50429	2.5	228.8	-533	-158498	SLU 52	15029	32257	54693	2.5	60.54	Si
154	5X/2Y Ø8/15	161	-120884	SLU 33	15366	36732	50429	2.5	228.8	-533	-158328	SLU 52	15029	32257	54753	2.5	60.54	Si
184	5X/2Y Ø8/15	161	-120712	SLU 33	15366	36732	50429	2.5	228.8	-533	-158156	SLU 52	15029	32257	54814	2.5	60.54	Si
213	5X/2Y Ø8/15	161	-120542	SLU 33	15366	36732	50429	2.5	228.8	-533	-157986	SLU 52	15029	32257	54874	2.5	60.54	Si
242	5X/2Y Ø8/10	161	-120367	SLU 33	15366	51792	52691	2.35	322.61	-533	-157812	SLU 52	15029	48385	54936	2.5	90.81	Si
272	5X/2Y Ø8/10	161	-120195	SLU 33	15366	51792	52691	2.35	322.61	-533	-157640	SLU 52	15029	48385	54996	2.5	90.81	Si
301	5X/2Y Ø8/10	161	-120023	SLU 33	15366	51792	52691	2.35	322.61	-533	-157468	SLU 52	15029	48385	55057	2.5	90.81	Si
331	5X/2Y Ø8/10	161	-119851	SLU 33	15366	51792	52691	2.35	322.61	-533	-157296	SLU 52	15029	48385	55118	2.5	90.81	Si
360	5X/2Y Ø8/10	161	-119682	SLU 33	15366	51792	52691	2.35	322.61	-533	-157126	SLU 52	15029	48385	55178	2.5	90.81	Si
380	5X/2Y Ø8/10	351	-127387	SLU 49	15366	51792	52691	2.35	147.35	333	-88490	SLU 16	15029	48385	55356	2.5	145.19	Si
409	5X/2Y Ø8/10	351	-127221	SLU 49	15366	51792	52691	2.35	147.35	333	-88362	SLU 16	15029	48385	55356	2.5	145.19	Si
438	5X/2Y Ø8/10	351	-127051	SLU 49	15366	51792	52691	2.35	147.35	333	-88231	SLU 16	15029	48385	55356	2.5	145.19	Si
467	5X/2Y Ø8/14.4	351	-126881	SLU 49	15366	38145	50429	2.5	108.53	333	-88101	SLU 16	15029	33497	55356	2.5	100.52	Si
496	5X/2Y Ø8/14.4	351	-126712	SLU 49	15366	38145	50429	2.5	108.53	333	-87970	SLU 16	15029	33497	55356	2.5	100.52	Si
525	5X/2Y Ø8/14.4	351	-126542	SLU 49	15366	38145	50429	2.5	108.53	333	-87840	SLU 16	15029	33497	55356	2.5	100.52	Si
554	5X/2Y Ø8/14.4	351	-126372	SLU 49	15366	38145	50429	2.5	108.53	333	-87709	SLU 16	15029	33497	55356	2.5	100.52	Si
583	5X/2Y Ø8/14.4	351	-126203	SLU 49	15366	38145	50429	2.5	108.53	333	-87579	SLU 16	15029	33497	55356	2.5	100.52	Si
612	5X/2Y Ø8/10	351	-126033	SLU 49	15366	51792	52691	2.35	147.35	333	-87448	SLU 16	15029	48385	55356	2.5	145.19	Si
641	5X/2Y Ø8/10	351	-125864	SLU 49	15366	51792	52691	2.35	147.35	333	-87318	SLU 16	15029	48385	55356	2.5	145.19	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
670	5X/2Y Ø8/10	351	-125697	SLU 49	15366	51792	52691	2.35	147.35	333	-87189	SLU 16	15029	48385	55356	2.5	145.19	Si
690	5X/2Y Ø8/10	206	-81250	SLU 37	15366	51792	52691	2.35	251.01	-143	-82418	SLU 38	15029	48385	55356	2.5	337.75	Si
719	5X/2Y Ø8/10	206	-81081	SLU 37	15366	51792	52691	2.35	251.01	-143	-82248	SLU 38	15029	48385	55356	2.5	337.75	Si
748	5X/2Y Ø8/10	206	-80911	SLU 37	15366	51792	52691	2.35	251.01	-143	-82079	SLU 38	15029	48385	55356	2.5	337.75	Si
777	5X/2Y Ø8/14.4	206	-80741	SLU 37	15366	38145	50429	2.5	184.87	-143	-81909	SLU 38	15029	33497	55356	2.5	233.82	Si
806	5X/2Y Ø8/14.4	206	-80572	SLU 37	15366	38145	50429	2.5	184.87	-143	-81739	SLU 38	15029	33497	55356	2.5	233.82	Si
835	5X/2Y Ø8/14.4	206	-80402	SLU 37	15366	38145	50429	2.5	184.87	-143	-81570	SLU 38	15029	33497	55356	2.5	233.82	Si
864	5X/2Y Ø8/14.4	206	-80232	SLU 37	15366	38145	50429	2.5	184.87	-143	-81400	SLU 38	15029	33497	55356	2.5	233.82	Si
893	5X/2Y Ø8/14.4	206	-80063	SLU 37	15366	38145	50429	2.5	184.87	-143	-81231	SLU 38	15029	33497	55356	2.5	233.82	Si
922	5X/2Y Ø8/10	206	-79893	SLU 37	15366	51792	52691	2.35	251.01	-143	-81061	SLU 38	15029	48385	55356	2.5	337.75	Si
951	5X/2Y Ø8/10	206	-79723	SLU 37	15366	51792	52691	2.35	251.01	-143	-80891	SLU 38	15029	48385	55356	2.5	337.75	Si
980	5X/2Y Ø8/10	206	-79557	SLU 37	15366	51792	52691	2.35	251.01	-143	-80725	SLU 38	15029	48385	55356	2.5	337.75	Si
1000	5X/2Y Ø8/10	-167	-54850	SLU 43	14395	49588	51024	2.25	296.83	433	-66551	SLU 47	15029	48385	53694	2.5	111.7	Si
1029	5X/2Y Ø8/10	-167	-54680	SLU 43	14374	49588	51001	2.25	296.83	433	-66381	SLU 47	15029	48385	53670	2.5	111.7	Si
1058	5X/2Y Ø8/10	-167	-54511	SLU 43	14353	49588	50977	2.25	296.83	433	-66211	SLU 47	15029	48385	53646	2.5	111.7	Si
1087	5X/2Y Ø8/14.4	-167	-54341	SLU 43	14332	38145	47342	2.5	228.33	433	-66042	SLU 47	15029	33497	53622	2.5	77.33	Si
1116	5X/2Y Ø8/14.4	-167	-54172	SLU 43	14311	38145	47320	2.5	228.33	433	-65872	SLU 47	15029	33497	53598	2.5	77.33	Si
1145	5X/2Y Ø8/14.4	-167	-54002	SLU 43	14290	38145	47298	2.5	228.33	433	-65702	SLU 47	15029	33497	53574	2.5	77.33	Si
1174	5X/2Y Ø8/14.4	-167	-53832	SLU 43	14269	38145	47277	2.5	228.33	433	-65533	SLU 47	15029	33497	53550	2.5	77.33	Si
1203	5X/2Y Ø8/14.4	-167	-53663	SLU 43	14247	38145	47255	2.5	228.33	433	-65363	SLU 47	15029	33497	53526	2.5	77.33	Si
1232	5X/2Y Ø8/10	-167	-53493	SLU 43	14226	49588	50836	2.25	296.83	433	-65194	SLU 47	15029	48385	53502	2.5	111.7	Si
1261	5X/2Y Ø8/10	-167	-53323	SLU 43	14205	49588	50813	2.25	296.83	433	-65024	SLU 47	15029	48385	53478	2.5	111.7	Si
1290	5X/2Y Ø8/10	-167	-53154	SLU 43	14184	49588	50789	2.25	296.83	433	-64854	SLU 47	15029	48385	53454	2.5	111.7	Si
1310	2X/2Y Ø8/10	-221	-29757	SLU 42	11271	22039	44176	2.5	99.54	-1888	-39955	SLU 51	11927	48385	49934	2.5	25.62	Si
1339	2X/2Y Ø8/10	-221	-29587	SLU 42	11250	22039	44154	2.5	99.54	-1888	-39785	SLU 51	11904	48385	49910	2.5	25.62	Si
1368	2X/2Y Ø8/10	-221	-29418	SLU 42	11229	22039	44132	2.5	99.54	-1888	-39616	SLU 51	11881	48385	49886	2.5	25.62	Si
1397	2X/2Y Ø8/14.4	-221	-29248	SLU 42	11208	15258	44110	2.5	68.91	-1888	-39446	SLU 51	11858	33497	49862	2.5	17.74	Si
1426	2X/2Y Ø8/14.4	-221	-29078	SLU 42	11187	15258	44088	2.5	68.91	-1888	-39276	SLU 51	11835	33497	49838	2.5	17.74	Si
1455	2X/2Y Ø8/14.4	-221	-28909	SLU 42	11166	15258	44067	2.5	68.91	-1888	-39107	SLU 51	11811	33497	49814	2.5	17.74	Si
1484	2X/2Y Ø8/14.4	-221	-28739	SLU 42	11144	15258	44045	2.5	68.91	-1888	-38937	SLU 51	11788	33497	49790	2.5	17.74	Si
1513	2X/2Y Ø8/14.4	-221	-28569	SLU 42	11123	15258	44023	2.5	68.91	-1888	-38767	SLU 51	11765	33497	49766	2.5	17.74	Si
1542	2X/2Y Ø8/10	-221	-28400	SLU 42	11102	22039	44001	2.5	99.54	-1888	-38598	SLU 51	11742	48385	49742	2.5	25.62	Si
1571	2X/2Y Ø8/10	-221	-28230	SLU 42	11081	22039	43979	2.5	99.54	-1888	-38428	SLU 51	11719	48385	49718	2.5	25.62	Si
1600	2X/2Y Ø8/10	-221	-28060	SLU 42	11060	22039	43957	2.5	99.54	-1888	-38258	SLU 51	11696	48385	49694	2.5	25.62	Si
1620	2X/2Y Ø8/10	-411	-12641	SLU 50	3417	13011	13325	2.45	31.65	1444	-14154	SLU 51	5545	21598	22317	2.45	14.96	Si
1650	2X/2Y Ø8/10	-411	-12553	SLU 50	5308	21395	21899	2.45	52.05	1444	-14066	SLU 51	5534	21598	22305	2.45	14.96	Si
1680	2X/2Y Ø8/10	-411	-12466	SLU 50	5298	21395	21888	2.45	52.05	1444	-13979	SLU 51	5524	21598	22294	2.45	14.96	Si
1710	2X/2Y Ø8/10	-411	-12378	SLU 50	5287	21395	21877	2.45	52.05	1444	-13891	SLU 51	5513	21598	22282	2.45	14.96	Si
1740	2X/2Y Ø8/10	-411	-12290	SLU 50	5276	21395	21865	2.45	52.05	1444	-13803	SLU 51	5502	21598	22271	2.45	14.96	Si
1770	2X/2Y Ø8/10	-411	-12202	SLU 50	5265	21395	21854	2.45	52.05	1444	-13715	SLU 51	5491	21598	22259	2.45	14.96	Si
1800	2X/2Y Ø8/10	-411	-12115	SLU 50	5254	21395	21843	2.45	52.05	1444	-13628	SLU 51	5480	21598	22248	2.45	14.96	Si
1830	2X/2Y Ø8/10	-411	-12027	SLU 50	5243	21395	21831	2.45	52.05	1444	-13540	SLU 51	5469	21598	22236	2.45	14.96	Si
1860	2X/2Y Ø8/10	-411	-11939	SLU 50	5233	21395	21820	2.45	52.05	1444	-13452	SLU 51	5458	21598	22225	2.45	14.96	Si
1890	2X/2Y Ø8/10	-411	-11851	SLU 50	5222	21395	21809	2.45	52.05	1444	-13364	SLU 51	5447	21598	22213	2.45	14.96	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	1174	-106614	SLV 15	15366	51792	52691	2.35	44.11	-3705	-86227	SLV 5	15029	48385	55356	2.5	13.06	Si
-111	5X/2Y Ø8/10	1174	-106484	SLV 15	15366	51792	52691	2.35	44.11	-3705	-86097	SLV 5	15029	48385	55356	2.5	13.06	Si
-81	5X/2Y Ø8/10	1174	-106351	SLV 15	15366	51792	52691	2.35	44.11	-3705	-85964	SLV 5	15029	48385	55356	2.5	13.06	Si
-52	5X/2Y Ø8/10	1174	-106219	SLV 15	15366	51792	52691	2.35	44.11	-3705	-85832	SLV 5	15029	48385	55356	2.5	13.06	Si
-22	5X/2Y Ø8/15	1174	-106087	SLV 15	15366	36732	50429	2.5	31.28	-3705	-85700	SLV 5	15029	32257	55356	2.5	8.71	Si
7	5X/2Y Ø8/15	1174	-105954	SLV 15	15366	36732	50429	2.5	31.28	-3705	-85567	SLV 5	15029	32257	55356	2.5	8.71	Si
36	5X/2Y Ø8/15	1174	-105822	SLV 15	15366	36732	50429	2.5	31.28	-3705	-85435	SLV 5	15029	32257	55356	2.5	8.71	Si
66	5X/2Y Ø8/15	1174	-105690	SLV 15	15366	36732	50429	2.5	31.28	-3705	-85303	SLV 5	15029	32257	55356	2.5	8.71	Si
95	5X/2Y Ø8/15	1174	-105557	SLV 15	15366	36732	50429	2.5	31.28	-3705	-85170	SLV 5	15029	32257	55356	2.5	8.71	Si
125	5X/2Y Ø8/15	1174	-105424	SLV 15	15366	36732	50429	2.5	31.28	-3705	-85037	SLV 5	15029	32257	55356	2.5	8.71	Si
154	5X/2Y Ø8/15	1174	-105293	SLV 15	15366	36732	50429	2.5	31.28	-3705	-84905	SLV 5	15029	32257	55356	2.5	8.71	Si
184	5X/2Y Ø8/15	1174	-105160	SLV 15	15366	36732	50429	2.5	31.28	-3705	-84773	SLV 5	15029	32257	55356	2.5	8.71	Si
213	5X/2Y Ø8/15	1174	-105030	SLV 15	15366	36732	50429	2.5	31.28	-3705	-84643	SLV 5	15029	32257	55356	2.5	8.71	Si
242	5X/2Y Ø8/10	1174	-104896	SLV 15	15366	51792	52691	2.35	44.11	-3705	-84508	SLV 5	15029	48385	55356	2.5	13.06	Si
272	5X/2Y Ø8/10	1174	-104763	SLV 15	15366	51792	52691	2.35	44.11	-3705	-84376	SLV 5	15029	48385	55356	2.5	13.06	Si
301	5X/2Y Ø8/10	1174	-104631	SLV 15	15366	51792	52691	2.35	44.11	-3705	-84244	SLV 5	15029	48385	55356	2.5	13.06	Si
331	5X/2Y Ø8/10	1174	-104499	SLV 15	15366	51792	52691	2.35	44.11	-3705	-84111	SLV 5	15029	48385	55356	2.5	13.06	Si
360	5X/2Y Ø8/10	1174	-104368	SLV 15	15366	51792	52691	2.35	44.11	-3705	-83981	SLV 5	15029	48385	55356	2.5	13.06	Si
380	5X/2Y Ø8/10	2409	-84533	SLV 15	15366	51792	52691	2.35	21.5	3005	-82854	SLV 11	15029	48385	55356	2.5	16.1	Si
409	5X/2Y Ø8/10	2409	-84404	SLV 15	15366	51792	52691	2.35	21.5	3005	-82725	SLV 11	15029	48385	55356	2.5	16.1	Si
438	5X/2Y Ø8/10	2409	-84274	SLV 15	15366	51792	52691	2.35	21.5	3005	-82595	SLV 11	15029	48385	55356	2.5	16.1	Si
467	5X/2Y Ø8/14.4	2409	-84143	SLV 15	15366	38145	50429	2.5	15.83	3005	-82464	SLV 11	15029	33497	55356	2.5	11.15	Si
496	5X/2Y Ø8/14.4	2409	-84013	SLV 15	15366	38145	50429	2.5	15.83	3005	-82334	SLV 11	15029	33497	55356	2.5	11.15	Si
525	5X/2Y Ø8/14.4	2409	-83882	SLV 15	15366	38145	50429	2.5	15.83	3005	-82203	SLV 11	15029	33497	55356	2.5	11.15	Si
554	5X/2Y Ø8/14.4	2409	-83752	SLV 15	15366	38145	50429	2.5	15.83	3005	-82073	SLV 11	15029	33497	55356	2.5	11.15	Si
583	5X/2Y Ø8/14.4	2409	-83621	SLV 15	15366	38145	50429	2.5	15.83	3005	-81942	SLV 11	15029	33497	55356	2.5	11.15	Si
612	5X/2Y Ø8/10	2409	-83491	SLV 15	15366	51792	52691	2.35	21.5	3005	-81812	SLV 11	15029	48385	55356	2.5	16.1	Si
641	5X/2Y Ø8/10	2409	-83360	SLV 15	15366	51792	52691	2.35	21.5	3005	-81681	SLV 11	15029	48385	55356	2.5	16.1	Si
670	5X/2Y Ø8/10	2409	-83232	SLV 15	15366	51792	52691	2.35	21.5	3005	-81553	SLV 11	15029	48385	55356	2.5	16.1	Si
690	5X/2Y Ø8/10	1986	-63088	SLV 15	15366	50690	51397	2.3	25.52	-3025	-55166	SLV 5	14006	48385	52084	2.5	16	Si
719	5X/2Y Ø8/10	1986	-62957	SLV 15	15366	50690	51379	2.3	25.52	-3025	-55035	SLV 5	13988	48385	52066	2.5	16	Si
748	5X/2Y Ø8/10	1986	-62827	SLV 15	15366	50690	51361	2.3	25.52	-3025	-54905	SLV 5	13970	48385	52047	2.5	16	Si
777	5X/2Y Ø8/14.4	1986	-62696	SLV 15	15366	38145	48418	2.5	19.2	-3025	-54774	SLV 5	13953	33497	52029	2.5	11.07	Si
806	5X/2Y Ø8/14.4	1986	-62566	SLV 15	15356	38145	48401	2.5	19.2	-3025	-54644	SLV 5	13935	33497	52011	2.5	11.07	Si
835	5X/2Y Ø8/14.4	1986	-62435	SLV 15	15340	38145	48385	2.5	19.2	-3025	-54513	SLV 5	13917	33497	51992	2.5	11.07	Si
864	5X/2Y Ø8/14.4	1986	-62305	SLV 15	15323	38145	48368	2.5	19.2	-3025	-54383	SLV 5	13899	33497	51974	2.5	11.07	Si
893	5X/2Y Ø8/14.4	1986	-62174	SLV 15	15307	38145	48351	2.5	19.2	-3025	-54252	SLV 5	13881	33497	51955	2.5	11.07	Si
922	5X/2Y Ø8/10	1986	-62044	SLV 15	15291	50690	51254	2.3	25.52	-3025	-54122	SLV 5	13863	48385	51937	2.5	16	Si
951	5X/2Y Ø8/10	1986	-61913	SLV 15	15275	50690	51236	2.3	25.52	-3025	-53991	SLV 5	13846	48385	51918	2.5	16	Si
980	5X/2Y Ø8/10	1986	-61785	SLV 15	15259	50690	51219	2.3	25.52	-3025	-53863	SLV 5	13828	48385	51900	2.5	16	Si
1000	5X/2Y Ø8/10	-1913	-38532	SLV 1	12364	48486	49495	2.2	25.35	2912	-39945	SLV 11	11926	48385	49933	2.5	16.61	Si
1029	5X/2Y Ø8/10	-1913	-38402	SLV 1	12347	48486	49477	2.2	25.35	2912	-39815	SLV 11	11908	48385	49914	2.5	16.61	Si
1058	5X/2Y Ø8/10	-1913	-38271	SLV 1	12331	48486	49459	2.2	25.35	2912	-39684	SLV 11	11890	48385	49896	2.5	16.61	Si
1087	5X/2Y Ø8/14.4	-1913	-38141	SLV 1	12315	38145	45256	2.5	19.94	2912	-39554	SLV 11	11873	33497	49877	2.5	11.5	Si
1116	5X/2Y Ø8/14.4	-1913	-38010	SLV 1	12299	38145	45239	2.5	19.94	2912	-39423	SLV 11	11855	33497	49859	2.5	11.5	Si
1145	5X/2Y Ø8/14.4	-1913	-37880	SLV 1	12282	38145	45222	2.5	19.94	2912	-39293	SLV 11	11837	33497	49840	2.5	11.5	Si
1174	5X/2Y Ø8/14.4	-1913	-37749	SLV 1	12266	38145	45205	2.5	19.94	2912	-39162	SLV 11	11819	33497	49822	2.5	11.5	Si
1203	5X/2Y Ø8/14.4	-1913	-37619	SLV 1	12250	38145	45188	2.5	19.94	2912	-39032	SLV 11	11801	33497	49803	2.5	11.5	Si
1232	5X/2Y Ø8/10	-1913	-37488	SLV 1	12234	48486	49348	2.2	25.35	2912	-38901	SLV 11	11783	48385	49785	2.5	16.61	Si
1261	5X/2Y Ø8/10	-1913	-37358	SLV 1	12218	48486	49330	2.2	25.35	2912	-38771	SLV 11	11766	48385	49766	2.5	16.61	Si
1290	5X/2Y Ø8/10	-1913	-37227	SLV 1	12201	48486	49312	2.2	25.35	2912	-38640	SLV 11	11748	48385	49748	2.5	16.61	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	2X/2Y Ø8/10	-1777	-21629	SLV 1	10259	22039	43129	2.5	12.4	-4438	-27098	SLV 9	10170	47417	48820	2.45	10.68	Si
1339	2X/2Y Ø8/10	-1777	-21498	SLV 1	10243	22039	43112	2.5	12.4	-4438	-26967	SLV 9	10152	47417	48802	2.45	10.68	Si
1368	2X/2Y Ø8/10	-1777	-21368	SLV 1	10227	22039	43095	2.5	12.4	-4438	-26837	SLV 9	10135	47417	48783	2.45	10.68	Si
1397	2X/2Y Ø8/14.4	-1777	-21237	SLV 1	10210	15258	43079	2.5	8.59	-4438	-26706	SLV 9	10117	33497	48061	2.5	7.55	Si
1426	2X/2Y Ø8/14.4	-1777	-21107	SLV 1	10194	15258	43062	2.5	8.59	-4438	-26576	SLV 9	10099	33497	48042	2.5	7.55	Si
1455	2X/2Y Ø8/14.4	-1777	-20976	SLV 1	10178	15258	43045	2.5	8.59	-4438	-26445	SLV 9	10081	33497	48024	2.5	7.55	Si
1484	2X/2Y Ø8/14.4	-1777	-20846	SLV 1	10162	15258	43028	2.5	8.59	-4438	-26315	SLV 9	10063	33497	48005	2.5	7.55	Si
1513	2X/2Y Ø8/14.4	-1777	-20715	SLV 1	10145	15258	43011	2.5	8.59	-4438	-26184	SLV 9	10045	33497	47987	2.5	7.55	Si
1542	2X/2Y Ø8/10	-1777	-20585	SLV 1	10129	22039	42995	2.5	12.4	-4438	-26054	SLV 9	10028	47417	48671	2.45	10.68	Si
1571	2X/2Y Ø8/10	-1777	-20454	SLV 1	10113	22039	42978	2.5	12.4	-4438	-25923	SLV 9	10010	47417	48652	2.45	10.68	Si
1600	2X/2Y Ø8/10	-1777	-20324	SLV 1	10097	22039	42961	2.5	12.4	-4438	-25793	SLV 9	9992	47417	48633	2.45	10.68	Si
1620	2X/2Y Ø8/10	-1656	-9067	SLV 9	3149	13011	13043	2.45	7.86	1624	-9182	SLV 1	4926	21598	21667	2.45	13.3	Si
1650	2X/2Y Ø8/10	-1656	-8999	SLV 9	4870	21395	21439	2.45	12.92	1624	-9114	SLV 1	4918	21598	21658	2.45	13.3	Si
1680	2X/2Y Ø8/10	-1656	-8932	SLV 9	4862	21395	21431	2.45	12.92	1624	-9047	SLV 1	4910	21598	21649	2.45	13.3	Si
1710	2X/2Y Ø8/10	-1656	-8864	SLV 9	4853	21395	21422	2.45	12.92	1624	-8979	SLV 1	4901	21598	21640	2.45	13.3	Si
1740	2X/2Y Ø8/10	-1656	-8797	SLV 9	4845	21395	21413	2.45	12.92	1624	-8912	SLV 1	4893	21598	21632	2.45	13.3	Si
1770	2X/2Y Ø8/10	-1656	-8729	SLV 9	4837	21395	21404	2.45	12.92	1624	-8844	SLV 1	4884	21598	21623	2.45	13.3	Si
1800	2X/2Y Ø8/10	-1656	-8662	SLV 9	4828	21395	21396	2.45	12.92	1624	-8777	SLV 1	4876	21598	21614	2.45	13.3	Si
1830	2X/2Y Ø8/10	-1656	-8594	SLV 9	4820	20959	21702	2.4	12.66	1624	-8709	SLV 1	4868	21598	21605	2.45	13.3	Si
1860	2X/2Y Ø8/10	-1656	-8527	SLV 9	4812	20959	21693	2.4	12.66	1624	-8642	SLV 1	4859	21158	21914	2.4	13.03	Si
1890	2X/2Y Ø8/10	-1656	-8459	SLV 9	4803	20959	21684	2.4	12.66	1624	-8574	SLV 1	4851	21158	21905	2.4	13.03	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	493	-100074	SLD 15	19266	55098	50429	2.5	102.2	-1654	-92082	SLD 5	19051	48385	55356	2.5	29.25	Si
-111	5X/2Y Ø8/10	493	-99944	SLD 15	19266	55098	50429	2.5	102.2	-1654	-91952	SLD 5	19034	48385	55356	2.5	29.25	Si
-81	5X/2Y Ø8/10	493	-99812	SLD 15	19266	55098	50429	2.5	102.2	-1654	-91820	SLD 5	19015	48385	55356	2.5	29.25	Si
-52	5X/2Y Ø8/10	493	-99679	SLD 15	19266	55098	50429	2.5	102.2	-1654	-91688	SLD 5	18997	48385	55356	2.5	29.25	Si
-22	5X/2Y Ø8/15	493	-99547	SLD 15	19266	36732	50429	2.5	74.44	-1654	-91555	SLD 5	18979	32257	55356	2.5	19.5	Si
7	5X/2Y Ø8/15	493	-99414	SLD 15	19266	36732	50429	2.5	74.44	-1654	-91423	SLD 5	18961	32257	55356	2.5	19.5	Si
36	5X/2Y Ø8/15	493	-99282	SLD 15	19266	36732	50429	2.5	74.44	-1654	-91291	SLD 5	18943	32257	55356	2.5	19.5	Si
66	5X/2Y Ø8/15	493	-99150	SLD 15	19266	36732	50429	2.5	74.44	-1654	-91158	SLD 5	18925	32257	55356	2.5	19.5	Si
95	5X/2Y Ø8/15	493	-99017	SLD 15	19266	36732	50429	2.5	74.44	-1654	-91026	SLD 5	18907	32257	55356	2.5	19.5	Si
125	5X/2Y Ø8/15	493	-98884	SLD 15	19266	36732	50429	2.5	74.44	-1654	-90892	SLD 5	18889	32257	55356	2.5	19.5	Si
154	5X/2Y Ø8/15	493	-98753	SLD 15	19266	36732	50429	2.5	74.44	-1654	-90761	SLD 5	18871	32257	55356	2.5	19.5	Si
184	5X/2Y Ø8/15	493	-98620	SLD 15	19266	36732	50429	2.5	74.44	-1654	-90629	SLD 5	18853	32257	55356	2.5	19.5	Si
213	5X/2Y Ø8/15	493	-98490	SLD 15	19266	36732	50429	2.5	74.44	-1654	-90498	SLD 5	18835	32257	55356	2.5	19.5	Si
242	5X/2Y Ø8/10	493	-98356	SLD 15	19266	55098	50429	2.5	102.2	-1654	-90364	SLD 5	18817	48385	55356	2.5	29.25	Si
272	5X/2Y Ø8/10	493	-98223	SLD 15	19266	55098	50429	2.5	102.2	-1654	-90232	SLD 5	18798	48385	55356	2.5	29.25	Si
301	5X/2Y Ø8/10	493	-98091	SLD 15	19266	55098	50429	2.5	102.2	-1654	-90099	SLD 5	18780	48385	55356	2.5	29.25	Si
331	5X/2Y Ø8/10	493	-97959	SLD 15	19266	55098	50429	2.5	102.2	-1654	-89967	SLD 5	18762	48385	55356	2.5	29.25	Si
360	5X/2Y Ø8/10	493	-97828	SLD 15	19266	55098	50429	2.5	102.2	-1654	-89837	SLD 5	18744	48385	55356	2.5	29.25	Si
380	5X/2Y Ø8/10	1015	-79832	SLD 15	17506	55098	50429	2.5	49.7	1257	-79186	SLD 11	17289	48385	55356	2.5	38.48	Si
409	5X/2Y Ø8/10	1015	-79704	SLD 15	17490	55098	50429	2.5	49.7	1257	-79058	SLD 11	17271	48385	55356	2.5	38.48	Si
438	5X/2Y Ø8/10	1015	-79574	SLD 15	17473	55098	50429	2.5	49.7	1257	-78928	SLD 11	17254	48385	55356	2.5	38.48	Si
467	5X/2Y Ø8/14.4	1015	-79443	SLD 15	17457	38145	50429	2.5	37.59	1257	-78797	SLD 11	17236	33497	55356	2.5	26.64	Si
496	5X/2Y Ø8/14.4	1015	-79313	SLD 15	17441	38145	50429	2.5	37.59	1257	-78667	SLD 11	17218	33497	55356	2.5	26.64	Si
525	5X/2Y Ø8/14.4	1015	-79182	SLD 15	17425	38145	50429	2.5	37.59	1257	-78536	SLD 11	17200	33497	55356	2.5	26.64	Si
554	5X/2Y Ø8/14.4	1015	-79052	SLD 15	17408	38145	50429	2.5	37.59	1257	-78406	SLD 11	17182	33497	55356	2.5	26.64	Si
583	5X/2Y Ø8/14.4	1015	-78921	SLD 15	17392	38145	50429	2.5	37.59	1257	-78275	SLD 11	17164	33497	55351	2.5	26.64	Si
612	5X/2Y Ø8/10	1015	-78791	SLD 15	17376	55098	50429	2.5	49.7	1257	-78145	SLD 11	17147	48385	55333	2.5	38.48	Si
641	5X/2Y Ø8/10	1015	-78660	SLD 15	17360	55098	50429	2.5	49.7	1257	-78014	SLD 11	17129	48385	55315	2.5	38.48	Si
670	5X/2Y Ø8/10	1015	-78532	SLD 15	17344	55098	50429	2.5	49.7	1257	-77886	SLD 11	17111	48385	55296	2.5	38.48	Si
690	5X/2Y Ø8/10	804	-60078	SLD 15	15046	55098	48081	2.5	59.83	-1219	-56916	SLD 5	14245	48385	52332	2.5	39.68	Si
719	5X/2Y Ø8/10	804	-59948	SLD 15	15030	55098	48064	2.5	59.8	-1219	-56785	SLD 5	14228	48385	52313	2.5	39.68	Si
748	5X/2Y Ø8/10	804	-59817	SLD 15	15014	55098	48047	2.5	59.78	-1219	-56655	SLD 5	14210	48385	52295	2.5	39.68	Si
777	5X/2Y Ø8/14.4	804	-59687	SLD 15	14997	38145	48031	2.5	47.46	-1219	-56524	SLD 5	14192	33497	52276	2.5	27.47	Si
806	5X/2Y Ø8/14.4	804	-59556	SLD 15	14981	38145	48014	2.5	47.46	-1219	-56394	SLD 5	14174	33497	52258	2.5	27.47	Si
835	5X/2Y Ø8/14.4	804	-59426	SLD 15	14965	38145	47997	2.5	47.46	-1219	-56263	SLD 5	14156	33497	52239	2.5	27.47	Si
864	5X/2Y Ø8/14.4	804	-59295	SLD 15	14949	38145	47980	2.5	47.46	-1219	-56133	SLD 5	14138	33497	52221	2.5	27.47	Si
893	5X/2Y Ø8/14.4	804	-59165	SLD 15	14932	38145	47963	2.5	47.46	-1219	-56002	SLD 5	14121	33497	52203	2.5	27.47	Si
922	5X/2Y Ø8/10	804	-59034	SLD 15	14916	55098	47947	2.5	59.66	-1219	-55872	SLD 5	14103	48385	52184	2.5	39.68	Si
951	5X/2Y Ø8/10	804	-58904	SLD 15	14900	55098	47930	2.5	59.64	-1219	-55741	SLD 5	14085	48385	52166	2.5	39.68	Si
980	5X/2Y Ø8/10	804	-58776	SLD 15	14884	55098	47913	2.5	59.62	-1219	-55613	SLD 5	14067	48385	52148	2.5	39.68	Si
1000	5X/2Y Ø8/10	-793	-39978	SLD 1	12544	55098	45492	2.5	57.38	1306	-40480	SLD 11	11999	48385	50008	2.5	37.05	Si
1029	5X/2Y Ø8/10	-793	-39847	SLD 1	12527	55098	45475	2.5	57.36	1306	-40349	SLD 11	11981	48385	49990	2.5	37.05	Si
1058	5X/2Y Ø8/10	-793	-39717	SLD 1	12511	55098	45459	2.5	57.34	1306	-40219	SLD 11	11963	48385	49971	2.5	37.05	Si
1087	5X/2Y Ø8/14.4	-793	-39586	SLD 1	12495	38145	45442	2.5	48.11	1306	-40088	SLD 11	11946	33497	49953	2.5	25.65	Si
1116	5X/2Y Ø8/14.4	-793	-39456	SLD 1	12479	38145	45425	2.5	48.11	1306	-39958	SLD 11	11928	33497	49934	2.5	25.65	Si
1145	5X/2Y Ø8/14.4	-793	-39325	SLD 1	12462	38145	45408	2.5	48.11	1306	-39827	SLD 11	11910	33497	49916	2.5	25.65	Si
1174	5X/2Y Ø8/14.4	-793	-39195	SLD 1	12446	38145	45391	2.5	48.11	1306	-39697	SLD 11	11892	33497	49897	2.5	25.65	Si
1203	5X/2Y Ø8/14.4	-793	-39064	SLD 1	12430	38145	45375	2.5	48.11	1306	-39566	SLD 11	11874	33497	49879	2.5	25.65	Si
1232	5X/2Y Ø8/10	-793	-38934	SLD 1	12414	55098	45358	2.5	57.21	1306	-39436	SLD 11	11856	48385	49860	2.5	37.05	Si
1261	5X/2Y Ø8/10	-793	-38803	SLD 1	12397	55098	45341	2.5	57.19	1306	-39305	SLD 11	11839	48385	49842	2.5	37.05	Si
1290	5X/2Y Ø8/10	-793	-38673	SLD 1	12381	55098	45324	2.5	57.17	1306	-39175	SLD 11	11821	48385	49824	2.5	37.05	Si
1310	2X/2Y Ø8/10	-773	-22185	SLD 1	10328	22039	43201	2.5	28.5	-2391	-24367	SLD 9	9797	48385	47730	2.5	19.97	Si
1339	2X/2Y Ø8/10	-773	-22054	SLD 1	10312	22039	43184	2.5	28.5	-2391	-24236	SLD 9	9779	48385	47712	2.5	19.96	Si
1368	2X/2Y Ø8/10	-773	-21924	SLD 1	10296	22039	43167	2.5	28.5	-2391	-24106	SLD 9	9761	48385	47693	2.5	19.95	Si
1397	2X/2Y Ø8/14.4	-773	-21793	SLD 1	10280	15258	43150	2.5	19.73	-2391	-23975	SLD 9	9744	33497	47675	2.5	14.01	Si
1426	2X/2Y Ø8/14.4	-773	-21663	SLD 1	10263	15258	43133	2.5	19.73	-2391	-23845	SLD 9	9726	33497	47656	2.5	14.01	Si
1455	2X/2Y Ø8/14.4	-773	-21532	SLD 1	10247	15258	43117	2.5	19.73	-2391	-23714	SLD 9	9708	33497	47638	2.5	14.01	Si
1484	2X/2Y Ø8/14.4	-773	-21402	SLD 1	10231	15258	43100	2.5	19.73	-2391	-23584	SLD 9	9690	33497	47619	2.5	14.01	Si
1513	2X/2Y Ø8/14.4	-773	-21271	SLD 1	10215	15258	43083	2.5	19.73	-2391	-23453	SLD 9	9672	33497	47601	2.5	14.01	Si
1542	2X/2Y Ø8/10	-773	-21141	SLD 1	10198	22039	43066	2.5	28.5	-2391	-23323	SLD 9	9654	48385	47582	2.5	19.9	Si
1571	2X/2Y Ø8/10	-773	-21010	SLD 1	10182	22039	43049	2.5	28.5	-2391	-23192	SLD 9	9637	48385	47564	2.5	19.9	Si
1600	2X/2Y Ø8/10	-773	-20880	SLD 1	10166	22039	43033	2.5	28.5	-2391	-23062	SLD 9	9619	48385	47546	2.5	19.89	Si
1620	2X/2Y Ø8/10	-928	-8476	SLD 9	3104	13277	12809	2.5	13.81	1159	-8514	SLD 1	4843	22039	21268	2.5	18.36	Si
1650	2X/2Y Ø8/10	-928	-8408	SLD 9	4797	21832	21055	2.5	22.69	1159	-8447	SLD 1	4835	22039	21260	2.5	18.35	Si
1680	2X/2Y Ø8/10	-928	-8341	SLD 9	4789	21832	21046	2.5	22.69	1159	-8379	SLD 1	4826	22039	21251	2.5	18.34	Si
1710	2X/2Y Ø8/10	-928	-8273	SLD 9	4781	21832	21037	2.5	22.68	1159	-8312	SLD 1	4818	22039	21242	2.5	18.33	Si
1740	2X/2Y Ø8/10	-928	-8206	SLD 9	4772	21832	21029	2.5	22.67	1159	-8244	SLD 1	4810	22039	21233	2.5	18.33	Si
1770	2X/2Y Ø8/10	-928	-8138	SLD 9	4764	21832	21020	2.5	22.66	1159	-8177	SLD 1	4801	22039	21225	2.5	18.32	Si
1800	2X/2Y Ø8/10	-928	-8071	SLD 9	4756	21832	21012	2.5	22.65	1159	-8109	SLD 1	4793	22039	21216	2.5	18.31	Si
1830	2X/2Y Ø8/10	-928	-8003	SLD 9	4747	21832	21003	2.5	22.64	1159	-8042	SLD 1	4784	22039	21207	2.5	18.3	Si
1860	2X/2Y Ø8/10	-928	-7936	SLD 9	4739	21832	20994	2.5	22.63	1159	-7974	SLD 1	4776	22039	21199	2.5	18.3	Si
1890	2X/2Y Ø8/10	-928	-7868	SLD 9	4731	21832	20986	2.5	22.62	1159	-7907	SLD 1	4768	22039	21190	2.5	18.29	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	139832	-21849	-113364	SLE RA 13	-62.6	139832	-21849	-113364	SLE RA 13	-910.1	Si
-111	128743	-18766	-113234	SLE RA 13	-61.7	128743	-18766	-113234	SLE RA 13	-900	Si
-81	117462	-15631	-113101	SLE RA 13	-60.8	117462	-15631	-113101	SLE RA 13	-889.7	Si
-52	106181	-12495	-112969	SLE RA 13	-59.9	106181	-12495	-112969	SLE RA 13	-879.4	Si
-22	94900	-9359	-112837	SLE RA 13	-59	94900	-9359	-112837	SLE RA 13	-869.1	Si
7	83619	-6224	-112704	SLE RA 13	-58.2	83619	-6224	-112704	SLE RA 13	-858.8	Si
36	72338	-3088	-112572	SLE RA 13	-57.3	72338	-3088	-112572	SLE RA 13	-848.5	Si
66	64955	1134	-112175	SLE RA 12	-56.6	64955	1134	-112175	SLE RA 12	-839.6	Si
95	53780	3590	-112043	SLE RA 12	-56.2	53780	3590	-112043	SLE RA 12	-834.3	Si
125	42493	6071	-111909	SLE RA 12	-55.8	42493	6071	-111909	SLE RA 12	-828.9	Si
154	27215	9455	-112043	SLE RA 13	-55.5	27215	9455	-112043	SLE RA 13	-824	Si
184	15934	12590	-111910	SLE RA 13	-55.2	15934	12590	-111910	SLE RA 13	-819.2	Si
213	4822	15679	-111780	SLE RA 13	-54.9	4822	15679	-111780	SLE RA 13	-814.5	Si
242	-6628	18862	-111646	SLE RA 13	-55.2	-6628	18862	-111646	SLE RA 13	-817.4	Si
272	-17908	21997	-111513	SLE RA 13	-55.9	-17908	21997	-111513	SLE RA 13	-825.8	Si
301	-29189	25133	-111381	SLE RA 13	-56.7	-29189	25133	-111381	SLE RA 13	-834.2	Si
331	-40470	28269	-111248	SLE RA 13	-57.4	-40470	28269	-111248	SLE RA 13	-842.7	Si
360	-51559	31351	-111118	SLE RA 13	-58.2	-51559	31351	-111118	SLE RA 13	-850.9	Si
380	-18619	-31855	-91499	SLE RA 13	-47.3	-18619	-31855	-91499	SLE RA 13	-692.1	Si
409	-13590	-25442	-91370	SLE RA 13	-46.4	-13590	-25442	-91370	SLE RA 13	-682.6	Si
438	-8473	-18916	-91240	SLE RA 13	-45.5	-8473	-18916	-91240	SLE RA 13	-672.9	Si
467	-3355	-12390	-91109	SLE RA 13	-44.6	-3355	-12390	-91109	SLE RA 13	-663.2	Si
496	5041	-7564	-90703	SLE RA 12	-44.1	5041	-7564	-90703	SLE RA 12	-657	Si
525	6879	662	-90848	SLE RA 13	-43.6	6879	662	-90848	SLE RA 13	-653	Si
554	11997	7188	-90718	SLE RA 13	-44.4	11997	7188	-90718	SLE RA 13	-660.9	Si
583	17114	13714	-90587	SLE RA 13	-45.2	17114	13714	-90587	SLE RA 13	-668.7	Si
612	22231	20240	-90457	SLE RA 13	-45.9	22231	20240	-90457	SLE RA 13	-676.5	Si
641	27348	26766	-90326	SLE RA 13	-46.7	27348	26766	-90326	SLE RA 13	-684.3	Si
670	32377	33179	-90198	SLE RA 13	-47.5	32377	33179	-90198	SLE RA 13	-692	Si
690	6108	-24614	-69765	SLE RA 13	-35.7	6108	-24614	-69765	SLE RA 13	-523.3	Si
719	4102	-20859	-69635	SLE RA 13	-35.2	4102	-20859	-69635	SLE RA 13	-517.9	Si
748	2096	-17104	-69504	SLE RA 13	-34.7	2096	-17104	-69504	SLE RA 13	-512.4	Si
777	90	-13349	-69374	SLE RA 13	-34.2	90	-13349	-69374	SLE RA 13	-507.3	Si
806	-1916	-9594	-69243	SLE RA 13	-33.9	-1916	-9594	-69243	SLE RA 13	-503.8	Si
835	-3922	-5839	-69113	SLE RA 13	-33.6	-3922	-5839	-69113	SLE RA 13	-500.7	Si
864	-8373	-1875	-68785	SLE RA 12	-33.3	-5927	-2084	-68982	SLE RA 13	-497.7	Si
893	-10758	1805	-68655	SLE RA 12	-33.3	-10758	1805	-68655	SLE RA 12	-497.9	Si
922	-13143	5484	-68524	SLE RA 12	-33.7	-13143	5484	-68524	SLE RA 12	-501.6	Si
951	-15528	9164	-68394	SLE RA 12	-34.1	-15528	9164	-68394	SLE RA 12	-505.3	Si
980	-17872	12780	-68266	SLE RA 12	-34.5	-17872	12780	-68266	SLE RA 12	-509	Si
1000	-4966	-4944	-49725	SLE RA 12	-24.3	-4966	-4944	-49725	SLE RA 12	-362.2	Si
1029	5036	-4720	-49736	SLE RA 13	-24.3	5036	-4720	-49736	SLE RA 13	-362.1	Si
1058	13196	-4507	-49605	SLE RA 13	-24.6	13196	-4507	-49605	SLE RA 13	-365.7	Si
1087	21356	-4293	-49475	SLE RA 13	-24.9	21356	-4293	-49475	SLE RA 13	-369.4	Si
1116	29516	-4080	-49344	SLE RA 13	-25.3	29516	-4080	-49344	SLE RA 13	-373	Si
1145	37676	-3867	-49214	SLE RA 13	-25.6	37676	-3867	-49214	SLE RA 13	-376.7	Si
1174	45836	-3654	-49083	SLE RA 13	-25.9	45836	-3654	-49083	SLE RA 13	-380.3	Si
1203	53996	-3441	-48953	SLE RA 13	-26.2	53996	-3441	-48953	SLE RA 13	-384	Si
1232	62156	-3228	-48822	SLE RA 13	-26.5	62156	-3228	-48822	SLE RA 13	-387.6	Si
1261	70316	-3015	-48692	SLE RA 13	-26.8	70316	-3015	-48692	SLE RA 13	-391.3	Si
1290	78475	-2802	-48561	SLE RA 13	-27.1	78475	-2802	-48561	SLE RA 13	-394.9	Si
1310	65451	8600	-28492	SLE RA 12	-17.4	65451	8600	-28492	SLE RA 12	-249.2	Si
1339	26203	6024	-28362	SLE RA 12	-15.8	26203	6024	-28362	SLE RA 12	-230.5	Si
1368	-15056	3491	-28325	SLE RA 13	-15.4	-15056	3491	-28325	SLE RA 13	-226.9	Si
1397	-53760	829	-28194	SLE RA 13	-16.9	-53760	829	-28194	SLE RA 13	-246.7	Si
1426	-92464	-1833	-28064	SLE RA 13	-18.9	-92464	-1833	-28064	SLE RA 13	-270	Si
1455	-131167	-4494	-27933	SLE RA 13	-21	-131167	-4494	-27933	SLE RA 13	-294.9	Si
1484	-169871	-7156	-27803	SLE RA 13	-23	-169871	-7156	-27803	SLE RA 13	-319.8	Si
1513	-208575	-9818	-27672	SLE RA 13	-25.1	-208575	-9818	-27672	SLE RA 13	-344.7	Si
1542	-247279	-12479	-27542	SLE RA 13	-27.2	-247279	-12479	-27542	SLE RA 13	-369.6	Si
1571	-285983	-15141	-27411	SLE RA 13	-28.9	-285983	-15141	-27411	SLE RA 13	-389	Si
1600	-327035	-17158	-27187	SLE RA 12	-27.8	-327035	-17158	-27187	SLE RA 12	-371.3	Si
1620	-112977	38158	-9089	SLE RA 10	-62.6	-112977	38158	-9089	SLE RA 10	556.9	Si
1650	-85042	29852	-10063	SLE RA 12	-31.7	-83124	31428	-10097	SLE RA 13	-358.8	Si
1680	-54308	21396	-9996	SLE RA 12	-22.9	-49655	21861	-10636	SLE RA 9	-272.8	Si
1710	-20472	13757	-10568	SLE RA 9	-16	-20472	13757	-10568	SLE RA 9	-207	Si
1740	8710	5652	-10501	SLE RA 9	-12.3	8710	5652	-10501	SLE RA 9	-171	Si
1770	37892	-2452	-10433	SLE RA 9	-16.8	37892	-2452	-10433	SLE RA 9	-214.2	Si
1800	68766	-12361	-9759	SLE RA 13	-23.6	67074	-10556	-10366	SLE RA 9	-278.1	Si
1830	99144	-21119	-9692	SLE RA 13	-30.5	99144	-21119	-9692	SLE RA 13	-343.1	Si
1860	130098	-29343	-9591	SLE RA 12	-47.8	129521	-29877	-9624	SLE RA 13	-472.4	Si
1890	160832	-37799	-9523	SLE RA 12	-60.5	155803	-39006	-8481	SLE RA 10	713.4	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	118334	-10157	-95870	SLE QP 2	-52.2	Si
-111	109220	-8629	-95740	SLE QP 2	-51.5	Si
-81	99948	-7076	-95608	SLE QP 2	-50.9	Si
-52	90676	-5523	-95475	SLE QP 2	-50.2	Si
-22	81404	-3969	-95343	SLE QP 2	-49.6	Si
7	72133	-2416	-95211	SLE QP 2	-48.9	Si
36	62861	-862	-95078	SLE QP 2	-48.3	Si
66	53589	691	-94946	SLE QP 2	-47.8	Si
95	44317	2245	-94814	SLE QP 2	-47.4	Si
125	34952	3814	-94680	SLE QP 2	-47.1	Si
154	25773	5352	-94549	SLE QP 2	-46.7	Si
184	16501	6905	-94417	SLE QP 2	-46.3	Si
213	7368	8436	-94286	SLE QP 2	-46	Si
242	-2043	10012	-94152	SLE QP 2	-45.8	Si
272	-11315	11566	-94019	SLE QP 2	-46.3	Si
301	-20587	13119	-93887	SLE QP 2	-46.8	Si
331	-29858	14673	-93755	SLE QP 2	-47.4	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
360	-38973	16200	-93625	SLE QP 2	-47.9	Si
380	-13791	-17422	-76796	SLE QP 2	-38.8	Si
409	-9860	-13907	-76668	SLE QP 2	-38.2	Si
438	-5860	-10330	-76538	SLE QP 2	-37.6	Si
467	-1860	-6753	-76407	SLE QP 2	-37.1	Si
496	2140	-3177	-76277	SLE QP 2	-36.7	Si
525	6140	400	-76146	SLE QP 2	-36.6	Si
554	10140	3977	-76016	SLE QP 2	-37	Si
583	14140	7553	-75885	SLE QP 2	-37.5	Si
612	18140	11130	-75755	SLE QP 2	-37.9	Si
641	22141	14706	-75624	SLE QP 2	-38.4	Si
670	26072	18221	-75496	SLE QP 2	-38.8	Si
690	4278	-10745	-58112	SLE QP 2	-28.8	Si
719	2529	-9567	-57981	SLE QP 2	-28.6	Si
748	779	-8390	-57851	SLE QP 2	-28.3	Si
777	-970	-7212	-57720	SLE QP 2	-28.2	Si
806	-2719	-6034	-57590	SLE QP 2	-28.1	Si
835	-4468	-4857	-57459	SLE QP 2	-28	Si
864	-6217	-3679	-57329	SLE QP 2	-27.9	Si
893	-7966	-2501	-57198	SLE QP 2	-27.8	Si
922	-9716	-1324	-57068	SLE QP 2	-27.7	Si
951	-11465	-146	-56937	SLE QP 2	-27.6	Si
980	-13184	1011	-56809	SLE QP 2	-27.7	Si
1000	-7203	6842	-40897	SLE QP 2	-20.4	Si
1029	105	4772	-40767	SLE QP 2	-19.8	Si
1058	7412	2703	-40636	SLE QP 2	-19.9	Si
1087	14720	634	-40506	SLE QP 2	-20	Si
1116	22027	-1435	-40375	SLE QP 2	-20.4	Si
1145	29335	-3505	-40245	SLE QP 2	-20.9	Si
1174	36642	-5574	-40114	SLE QP 2	-21.3	Si
1203	43949	-7643	-39984	SLE QP 2	-21.8	Si
1232	51257	-9713	-39853	SLE QP 2	-22.3	Si
1261	58564	-11782	-39723	SLE QP 2	-22.8	Si
1290	65872	-13851	-39592	SLE QP 2	-23.2	Si
1310	49724	16237	-22541	SLE QP 2	-14.6	Si
1339	19252	12506	-22410	SLE QP 2	-13.1	Si
1368	-11219	8775	-22280	SLE QP 2	-12.7	Si
1397	-41691	5044	-22149	SLE QP 2	-13.7	Si
1426	-72162	1314	-22019	SLE QP 2	-14.8	Si
1455	-102634	-2417	-21888	SLE QP 2	-16.3	Si
1484	-133105	-6148	-21758	SLE QP 2	-18.1	Si
1513	-163577	-9879	-21627	SLE QP 2	-19.9	Si
1542	-194048	-13610	-21497	SLE QP 2	-21.7	Si
1571	-224520	-17341	-21366	SLE QP 2	-23.1	Si
1600	-254991	-21072	-21236	SLE QP 2	-22.4	Si
1620	-93653	32867	-8072	SLE QP 2	-51	Si
1650	-68608	25544	-8004	SLE QP 2	-25.8	Si
1680	-43563	18222	-7937	SLE QP 2	-18.5	Si
1710	-18517	10899	-7869	SLE QP 2	-12.6	Si
1740	6528	3577	-7802	SLE QP 2	-9.1	Si
1770	31573	-3746	-7734	SLE QP 2	-13.5	Si
1800	56619	-11068	-7667	SLE QP 2	-19.2	Si
1830	81664	-18390	-7599	SLE QP 2	-25	Si
1860	106709	-25713	-7532	SLE QP 2	-39.9	Si
1890	131754	-33035	-7464	SLE QP 2	-50.5	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

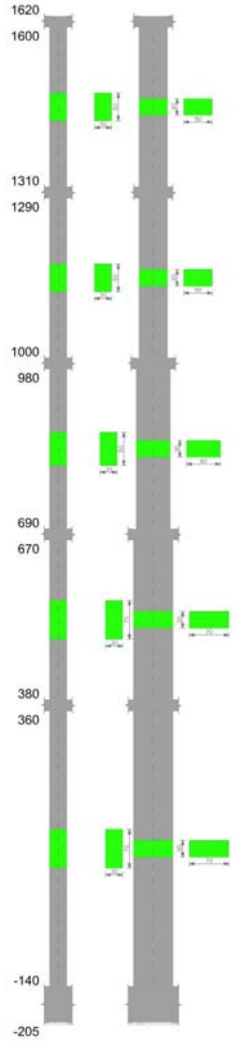
Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1910 in quanto elemento di estremità superiore alla pilastrata.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.

Pilastro 38

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x70	No	No	No	No		C30/37	B450C	
380	670	R 30x70	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.67	-29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.67	29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.67	29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	-18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	-6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	-18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	-6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.2	-9.67	-29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.67	-29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.67	29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.67	29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	-18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	-6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	-18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	-6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	18.42	1.6	2.011	-140	380	R 30x70	B450C
p.3	-9.67	-29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	9.67	-29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	9.67	29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	-9.67	29.67	1.6	2.011	380	690	R 30x70	B450C
p.5	-9.9	-18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	-9.9	18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	9.9	-18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	9.9	18.42	1.6	2.011	380	690	R 30x70	B450C
p.6	-9.9	-6.14	1.6	2.011	380	690	R 30x70	B450C
p.6	-9.9	6.14	1.6	2.011	380	690	R 30x70	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	9.9	-6.14	1.6	2.011	380	690	R 30x70	B450C
p.6	9.9	6.14	1.6	2.011	380	690	R 30x70	B450C
p.7	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.7	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.9	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.9	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.9	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.9	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.10	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.10	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.11	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.12	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.13	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.13	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.13	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.13	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	2.3	0	1,2	-651495	651495	-240182	-967634	967634	SLU 52	1.485	Si
-111	24.13	2.3	0	1,2	-650959	650959	-239985	-967634	967634	SLU 52	1.486	Si
-81	24.13	1.1	0	2	-650415	650415	-239784	-967634	967634	SLU 52	1.488	Si
-52	24.13	1.1	0	2	-649870	649870	-239584	-967634	967634	SLU 52	1.489	Si
-22	24.13	1.1	0	2	-649326	649326	-239383	-967634	967634	SLU 52	1.49	Si
7	24.13	1.1	0	2	-648781	648781	-239182	-967634	967634	SLU 52	1.491	Si
36	24.13	1.1	0	2	-648237	648237	-238981	-967634	967634	SLU 52	1.493	Si
66	24.13	1.1	0	2	-647692	647692	-238781	-967634	967634	SLU 52	1.494	Si
95	24.13	1.1	0	2	-647148	-647148	-238580	-967634	-967634	SLU 52	1.495	Si
125	24.13	1.1	0	2	-646598	-646598	-238377	-967634	-967634	SLU 52	1.497	Si
154	24.13	1.1	0	2	-646059	-646059	-238178	-967634	-967634	SLU 52	1.498	Si
184	24.13	1.1	0	2	645514	-645514	-237978	967634	-967634	SLU 52	1.499	Si
213	24.13	1.1	0	2	644978	-644978	-237780	967634	-967634	SLU 52	1.5	Si
242	24.13	1.1	0	2	644425	-644425	-237576	967634	-967634	SLU 52	1.502	Si
272	24.13	1.1	0	2	643881	-643881	-237375	967634	-967634	SLU 52	1.503	Si
301	24.13	1.1	0	2	643336	-643336	-237175	967634	-967634	SLU 52	1.504	Si
331	24.13	1.1	0	2	642792	-642792	-236974	967634	-967634	SLU 52	1.505	Si
360	24.13	1.1	0	2	642257	-642257	-236777	967634	-967634	SLU 52	1.507	Si
380	24.13	2.3	0	2,3,5,6	-412084	396027	-198013	-793260	762350	SLU 52	1.925	Si
409	24.13	2.3	0	2,3,5,6	-395631	395631	-197815	-763108	763108	SLU 52	1.929	Si
438	24.13	1.1	0	3,5,6	-395235	395235	-197618	-763108	763108	SLU 52	1.931	Si
467	24.13	1.1	0	3,5,6	-394839	394839	-197420	-763108	763108	SLU 52	1.933	Si
496	24.13	1.1	0	3,5,6	-394443	394443	-197222	-763108	763108	SLU 52	1.935	Si
525	24.13	1.1	0	3,5,6	-394048	394048	-197024	-763108	763108	SLU 52	1.937	Si
554	24.13	1.1	0	3,5,6	-393652	393652	-196826	-763108	763108	SLU 52	1.939	Si
583	24.13	1.1	0	3,5,6	393256	-393256	-196628	763108	-763108	SLU 52	1.94	Si
612	24.13	1.1	0	3,5,6	392860	-392860	-196430	763108	-763108	SLU 52	1.942	Si
641	24.39	1.5	0	3,4,5,6	392464	-392464	-196232	764835	-764835	SLU 52	1.949	Si
670	31.44	1.9	0	3,4,5,6	392068	-392068	-196034	811233	-811233	SLU 52	2.069	Si
690	24.13	2.5	0	4,5,6,7,9,10	-312055	312055	-156027	-673235	673235	SLU 52	2.157	Si
719	21.83	2.5	0	4,5,6,7,9,10	-311716	311716	-155858	-658510	658510	SLU 52	2.113	Si
748	20.11	1.1	0	7,9,10	-311376	311376	-155688	-647491	647491	SLU 52	2.079	Si
777	20.11	1.1	0	7,9,10	-311037	311037	-155519	-647491	647491	SLU 52	2.082	Si
806	20.11	1.1	0	7,9,10	310698	-310698	-155349	647491	-647491	SLU 52	2.084	Si
835	20.11	1.1	0	7,9,10	310358	-310358	-155179	647491	-647491	SLU 52	2.086	Si
864	20.11	1.1	0	7,9,10	310019	-310019	-155010	647491	-647491	SLU 52	2.089	Si
893	20.11	1.1	0	7,9,10	309680	-309680	-154840	647491	-647491	SLU 52	2.091	Si
922	20.11	1.1	0	7,9,10	309341	-309341	-154670	647491	-647491	SLU 52	2.093	Si
951	20.37	1.6	0	7,8,9,10	309001	-309001	-154501	649217	-649217	SLU 52	2.101	Si
980	27.42	2	0	7,8,9,10	308662	-308662	-154331	695580	-695580	SLU 52	2.254	Si
1000	20.11	2.4	0	8,9,10,11	-234001	234001	-117000	-556148	556148	SLU 52	2.377	Si
1029	17.8	2.4	0	8,9,10,11	-233718	233718	-116859	-541580	541580	SLU 52	2.317	Si
1058	16.08	1.1	0	11	-233435	233435	-116718	-530708	530708	SLU 52	2.273	Si
1087	16.08	1.1	0	11	-233153	233153	-116576	-530708	530708	SLU 52	2.276	Si
1116	16.08	1.1	0	11	-232870	232870	-116435	-530708	530708	SLU 52	2.279	Si
1145	16.08	1.1	0	11	232587	232587	-116294	530708	530708	SLU 52	2.282	Si
1174	16.08	1.1	0	11	232304	-232304	-116152	530708	-530708	SLU 52	2.285	Si
1203	16.08	1.1	0	11	232022	-232022	-116011	530708	-530708	SLU 52	2.287	Si
1232	16.08	1.1	0	11	231739	-231739	-115869	530708	-530708	SLU 52	2.29	Si
1261	16.08	1.1	0	11	231456	-231456	-115728	530708	-530708	SLU 52	2.293	Si
1290	16.08	1.1	0	11	231173	-231173	-115587	530708	-530708	SLU 52	2.296	Si
1310	16.08	2.1	0	11,12,13	-196487	155790	-77895	-658521	522126	SLU 52	3.351	Si
1339	16.08	2.1	0	11,12,13	-155508	155508	-77754	-530708	530708	SLU 52	3.413	Si
1368	16.08	1.1	0	12,13	-155225	155225	-77612	-530708	530708	SLU 52	3.419	Si
1397	16.08	1.1	0	12,13	-154942	154942	-77471	-530708	530708	SLU 52	3.425	Si
1426	16.08	1.1	0	12,13	-154659	-154659	-77330	-530708	-530708	SLU 52	3.431	Si
1455	16.08	1.1	0	12,13	154377	-154377	-77188	530708	-530708	SLU 52	3.438	Si
1484	16.08	1.1	0	12,13	154094	-154094	-77047	530708	-530708	SLU 52	3.444	Si
1513	16.08	1.1	0	12,13	153811	-153811	-76906	530708	-530708	SLU 52	3.45	Si
1542	16.08	1.1	0	12,13	153528	-153528	-76764	530708	-530708	SLU 52	3.457	Si
1571	16.08	1.1	0	12,13	189474	-170956	-76591	635897	-573751	SLU 51	3.356	Si
1600	22.11	2.1	0	12,13	232085	-202048	-76450	795810	-692814	SLU 51	3.429	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	24.13	2.3	0	1,2	-1841671	482231	-144398	-2.02	1.92	-2607632	682793	SLV 1	1.416				Si
-111	24.13	2.3	0	1,2	-1701043	436469	-144246	-2.02	1.92	-2563983	657890	SLV 1	1.507				Si
-81	24.13	1.1	0	2	-1558086	389923	-144091	-2.02	1.92	-2502781	626341	SLV 1	1.606				Si
-52	24.13	1.1	0	2	-1415267	343388	-143937	-2.02	1.92	-2421409	587510	SLV 1	1.711				Si
-22	24.13	1.1	0	2	-1272641	296868	-143783	-2.02	1.92	-2317742	540658	SLV 1	1.821				Si
7	24.13	1.1	0	2	-1130262	250371	-143628	-2.02	1.92	-2189742	485063	SLV 1	1.937				Si
36	24.13	1.1	0	2	-988229	203911	-143474	-2.02	1.92	-2035461	419997	SLV 1	2.06				Si
66	24.13	1.1	0	2	-846760	157526	-143319	-2.02	1.92	-1856107	345299	SLV 1	2.192				Si
95	24.13	1.1	0	2	659736	-118054	-147506	-2.02	1.92	1526152	-273092	SLV 15	2.313				Si
125	24.13	1.1	0	2	547786	-79173	-147350	-2.02	1.92	1340402	-193732	SLV 15	2.447				Si
154	24.13	1.1	0	2	440926	-44690	-147198	-2.02	1.92	1139656	-115510	SLV 15	2.585				Si
184	24.13	1.1	0	2	289638	-29904	-147774	-2.02	1.92	758076	-78269	SLV 13	2.617				Si
213	24.13	1.1	0	2	214036	10639	-147621	-2.02	1.92	560779	27876	SLV 13	2.62				Si
242	24.13	1.1	0	2	175488	26778	-147465	-2.02	1.92	460270	70233	SLV 13	2.623				Si
272	24.13	1.1	0	2	13578	43186	-147310	-2.02	1.92	35650	113388	SLV 13	2.626				Si
301	24.13	1.1	0	2	302659	-216820	-142084	-2.02	1.92	752135	-538819	SLV 1	2.485				Si
331	24.13	1.1	0	2	418243	-263265	-141930	-2.02	1.92	977618	-615366	SLV 1	2.337				Si
360	24.13	1.1	0	2	627041	-308962	-141778	-2.02	1.92	1351402	-665876	SLV 1	2.155				Si
380	24.13	2.3	0	2,3,5,6	-606094	490895	-117722	-2.02	1.92	-1302087	1054603	SLV 1	2.148				Si
409	24.13	2.3	0	2,3,5,6	-508001	400087	-117570	-2.02	1.92	-1198560	943951	SLV 1	2.359				Si
438	24.13	1.1	0	3,5,6	-415815	309459	-117417	-2.02	1.92	-1074795	799889	SLV 1	2.585				Si
467	24.13	1.1	0	3,5,6	-333999	219255	-117265	-2.02	1.92	-947140	621754	SLV 1	2.836				Si
496	24.13	1.1	0	3,5,6	-270039	130493	-117113	-2.02	1.92	-841153	406478	SLV 1	3.115				Si
525	24.13	1.1	0	3,5,6	-132535	-15874	-121321	-2.02	1.92	-422522	-50606	SLV 13	3.188				Si
554	24.13	1.1	0	3,5,6	-175267	43320	-121169	-2.02	1.92	-559453	138278	SLV 13	3.192				Si
583	24.13	1.1	0	3,5,6	315307	-151841	-116656	-2.02	1.92	952516	-458700	SLV 1	3.021				Si
612	24.13	1.1	0	3,5,6	403470	-241563	-116504	-2.02	1.92	1105601	-661937	SLV 1	2.74				Si
641	24.39	1.5	0	3,4,5,6	499030	-332024	-116352	-2.02	1.92	1248858	-830913	SLV 1	2.503				Si
670	31.44	1.9	0	3,4,5,6	598989	-422756	-116199	-2.02	1.92	1450354	-1023633	SLV 1	2.421				Si
690	24.13	2.5	0	4,5,6,7,9,10	-405176	331370	-91657	-2.02	1.92	-1033163	844964	SLV 1	2.55				Si
719	21.83	2.5	0	4,5,6,7,9,10	-321751	257030	-91527	-2.02	1.92	-892982	713355	SLV 1	2.775				Si
748	20.11	1.1	0	7,9,10	-243924	183203	-91396	-2.02	1.92	-740241	555971	SLV 1	3.035				Si
777	20.11	1.1	0	7,9,10	-177482	110906	-91266	-2.02	1.92	-599890	374864	SLV 1	3.38				Si
806	20.11	1.1	0	7,9,10	-85978	31032	-94464	-2.02	1.92	-299692	108167	SLV 13	3.486				Si
835	20.11	1.1	0	7,9,10	-117786	21840	-94333	-2.02	1.92	-411132	76231	SLV 13	3.491				Si
864	20.11	1.1	0	7,9,10	266160	-127012	-90874	-2.02	1.92	847157	-404264	SLV 1	3.183				Si
893	20.11	1.1	0	7,9,10	351716	-199550	-90744	-2.02	1.92	1004670	-570012	SLV 1	2.856				Si
922	20.11	1.1	0	7,9,10	445675	-273449	-90613	-2.02	1.92	1143438	-701569	SLV 1	2.566				Si
951	20.37	1.6	0	7,8,9,10	543875	-347819	-90483	-2.02	1.92	1251564	-800401	SLV 1	2.301				Si
980	27.42	2	0	7,8,9,10	644421	-422409	-90352	-2.02	1.92	1424413	-933682	SLV 1	2.21				Si
1000	20.11	2.4	0	8,9,10,11	-338079	312843	-67390	-2.02	1.92	-838686	776083	SLV 1	2.481				Si
1029	17.8	2.4	0	8,9,10,11	-267005	249280	-67282	-2.02	1.92	-738639	689606	SLV 1	2.766				Si
1058	16.08	1.1	0	11	-198387	185929	-67173	-2.02	1.92	-612832	574347	SLV 1	3.089				Si
1087	16.08	1.1	0	11	-136009	123161	-67064	-2.02	1.92	-477230	432151	SLV 1	3.509				Si
1116	16.08	1.1	0	11	-65769	48047	-69287	-2.02	1.92	-257968	188457	SLV 13	3.922				Si
1145	16.08	1.1	0	11	-77236	28293	-69178	-2.02	1.92	-303425	111148	SLV 13	3.929				Si
1174	16.08	1.1	0	11	162220	-75253	-66738	-2.02	1.92	596013	-276488	SLV 1	3.674				Si
1203	16.08	1.1	0	11	237830	-137378	-66629	-2.02	1.92	760876	-439506	SLV 1	3.199				Si
1232	16.08	1.1	0	11	317376	-200557	-66520	-2.02	1.92	887758	-560994	SLV 1	2.797				Si
1261	16.08	1.1	0	11	398655	-264050	-66412	-2.02	1.92	969897	-642414	SLV 1	2.433				Si
1290	16.08	1.1	0	11	480828	-327679	-66303	-2.02	1.92	1014320	-691248	SLV 1	2.11				Si
1310	16.08	2.1	0	11,12,13	-307173	285735	-43112	-2.02	1.92	-870269	809532	SLV 1	2.833				Si
1339	16.08	2.1	0	11,12,13	-235690	216906	-43003	-2.02	1.92	-830520	764332	SLV 1	3.524				Si
1368	16.08	1.1	0	12,13	-11337	182569	-44073	-2.02	1.92	-53154	855979	SLV 9	4.689				Si
1397	16.08	1.1	0	12,13	-77530	-85305	-42777	-2.02	1.92	-425118	-467751	SLV 7	5.483				Si
1426	16.08	1.1	0	12,13	-54015	18793	-44077	-2.02	1.92	-333042	115872	SLV 13	6.166				Si
1455	16.08	1.1	0	12,13	83501	-65245	-42568	-2.02	1.92	476301	-372169	SLV 1	5.704				Si
1484	16.08	1.1	0	12,13	158294	-131267	-42459	-2.02	1.92	725848	-601921	SLV 1	4.585				Si
1513	16.08	1.1	0	12,13	221239	-199603	-42351	-2.02	1.92	824852	-744183	SLV 1	3.728				Si
1542	16.08	1.1	0	12,13	280322	-268332	-42242	-2.02	1.92	849719	-813375	SLV 1	3.031				Si
1571	16.08	1.1	0	12,13	352297	-337201	-42133	-2.02	1.92	862511	-825553	SLV 1	2.448				Si
1600	22.11	2.1	0	12,13	424479	-406136	-42024	-2.02	1.92	937314	-896810	SLV 1	2.208				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	2.3	0	1,2	-805538	204481	-145723	-1722989	437371	SLD 1	2.139	Si
-111	24.13	2.3	0	1,2	-741629	184359	-145571	-1632499	405818	SLD 1	2.201	Si
-81	24.13	1.1	0	2	-676664	163893	-145417	-1534958	371777	SLD 1	2.268	Si
-52	24.13	1.1	0	2	-611765	143431	-145262	-1431398	335597	SLD 1	2.34	Si
-22	24.13	1.1	0	2	-546959	122976	-145108	-1321272	297069	SLD 1	2.416	Si
7	24.13	1.1	0	2	-482272	102531	-144953	-1203937	255958	SLD 1	2.496	Si
36	24.13	1.1	0	2	-417753	82104	-144799	-1078854	212034	SLD 1	2.583	Si
66	24.13	1.1	0	2	230441	-29367	-146628	607848	-77462	SLD 13	2.638	Si
95	24.13	1.1	0	2	203056	-25172	-146474	536178	-66467	SLD 13	2.641	Si
125	24.13	1.1	0	2	175756	-21078	-146318	464587	-55716	SLD 13	2.643	Si
154	24.13	1.1	0	2	149750	-18047	-146165	396257	-47755	SLD 13	2.646	Si
184	24.13	1.1	0	2	125078	-20701	-146011	331321	-54836	SLD 13	2.649	Si
213	24.13	1.1	0	2	104861	-6659	-145859	278059	-17657	SLD 13	2.652	Si
242	24.13	1.1	0	2	100501	-2642	-145702	266782	-7013	SLD 13	2.655	Si
272	24.13	1.1	0	2	41152	1525	-145548	109356	4052	SLD 13	2.657	Si
301	24.13	1.1	0	2	-43801	5762	-145393	-116517	15328	SLD 13	2.66	Si
331	24.13	1.1	0	2	-72440	10031	-145239	-192907	26713	SLD 13	2.663	Si
360	24.13	1.1	0	2	316639	-143435	-143103	819293	-371132	SLD 1	2.587	Si
380	24.13	2.3	0	2,3,5,6	-356373	228845	-118888	-986314	633361	SLD 1	2.768	Si
409	24.13	2.3	0	2,3,5,6	-298614	187504	-118736	-870171	546394	SLD 1	2.914	Si
438	24.13	1.1	0	3,5,6	-243209	146243	-118584	-747633	449558	SLD 1	3.074	Si
467	24.13	1.1	0	3,5,6	-10013	-6705	-120139	-32235	-21587	SLD 13	3.219	Si
496	24.13	1.1	0	3,5,6	11929	-295	-119987	38454	-952	SLD 13	3.223	Si
525	24.13	1.1	0	3,5,6	-69396	1172	-119835	-223976	3782	SLD 13	3.228	Si
554	24.13	1.1	0	3,5,6	-65050	18684	-119683	-210218	60379	SLD 13	3.232	Si
583	24.13	1.1	0	3,5,6	-47873	24280	-119530	-154907	78563	SLD 13	3.236	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
612	24.13	1.1	0	3,5,6	-35094	31019	-119378	-113701	100497	SLD 13	3.24	Si
641	24.39	1.5	0	3,4,5,6	261545	-145684	-117518	806607	-449292	SLD 1	3.084	Si
670	31.44	1.9	0	3,4,5,6	319684	-186991	-117366	992108	-580309	SLD 1	3.103	Si
690	24.13	2.5	0	4,5,6,7,9,10	-224573	149745	-92557	-729642	486527	SLD 1	3.249	Si
719	21.83	2.5	0	4,5,6,7,9,10	-175393	115299	-92426	-594056	390518	SLD 1	3.387	Si
748	20.11	1.1	0	7,9,10	41294	-15942	-93603	145262	-56079	SLD 13	3.518	Si
777	20.11	1.1	0	7,9,10	48542	-13141	-93473	170995	-46291	SLD 13	3.523	Si
806	20.11	1.1	0	7,9,10	-32822	10921	-93342	-115780	38525	SLD 13	3.528	Si
835	20.11	1.1	0	7,9,10	-28820	1439	-93212	-101806	5082	SLD 13	3.532	Si
864	20.11	1.1	0	7,9,10	-15499	2477	-93081	-54827	8762	SLD 13	3.537	Si
893	20.11	1.1	0	7,9,10	188001	-95767	-91643	639866	-325944	SLD 1	3.404	Si
922	20.11	1.1	0	7,9,10	241268	-130025	-91513	771616	-415841	SLD 1	3.198	Si
951	20.37	1.6	0	7,8,9,10	296299	-164481	-91382	894995	-496828	SLD 1	3.021	Si
980	27.42	2	0	7,8,9,10	352304	-199029	-91252	1075418	-607542	SLD 1	3.053	Si
1000	20.11	2.4	0	8,9,10,11	-203403	151211	-68013	-674418	501365	SLD 1	3.316	Si
1029	17.8	2.4	0	8,9,10,11	-161056	121369	-67904	-560377	422290	SLD 1	3.479	Si
1058	16.08	1.1	0	11	-119682	91618	-67795	-440848	337474	SLD 1	3.683	Si
1087	16.08	1.1	0	11	-2126	5826	-68609	-8421	23078	SLD 13	3.961	Si
1116	16.08	1.1	0	11	-38528	27788	-68501	-152858	110245	SLD 13	3.967	Si
1145	16.08	1.1	0	11	-28432	14833	-68392	-112982	58941	SLD 13	3.974	Si
1174	16.08	1.1	0	11	-17454	13420	-68283	-69467	53412	SLD 13	3.98	Si
1203	16.08	1.1	0	11	124634	-59985	-67251	480823	-231415	SLD 1	3.858	Si
1232	16.08	1.1	0	11	170345	-89656	-67143	607100	-319527	SLD 1	3.564	Si
1261	16.08	1.1	0	11	216763	-119465	-67034	717237	-395293	SLD 1	3.309	Si
1290	16.08	1.1	0	11	263546	-149334	-66925	813011	-460680	SLD 1	3.085	Si
1310	16.08	2.1	0	11,12,13	-194828	148945	-43467	-818196	625506	SLD 1	4.2	Si
1339	16.08	2.1	0	11,12,13	-150880	111581	-43359	-715223	528930	SLD 1	4.74	Si
1368	16.08	1.1	0	12,13	-46012	88169	-43743	-255836	490235	SLD 9	5.56	Si
1397	16.08	1.1	0	12,13	-16946	37385	-43707	-105367	232459	SLD 13	6.218	Si
1426	16.08	1.1	0	12,13	-31849	3247	-43599	-198531	20238	SLD 13	6.233	Si
1455	16.08	1.1	0	12,13	-14799	-17298	-43490	-92477	-108096	SLD 13	6.249	Si
1484	16.08	1.1	0	12,13	83546	-77329	-42815	462313	-427914	SLD 1	5.534	Si
1513	16.08	1.1	0	12,13	124077	-114431	-42706	608687	-561369	SLD 1	4.906	Si
1542	16.08	1.1	0	12,13	163152	-151741	-42597	713698	-663779	SLD 1	4.374	Si
1571	16.08	1.1	0	12,13	207297	-189124	-42489	801489	-731226	SLD 1	3.866	Si
1600	22.11	2.1	0	12,13	251527	-226541	-42380	915400	-824467	SLD 1	3.639	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	6X/2Y Ø8/10	-252	-240182	SLU 52	17927	48927	48929	1.85	194.43	708	-238123	SLU 49	17432	49223	50600	2.15	69.52	Si
-111	6X/2Y Ø8/10	-252	-239985	SLU 52	17927	48927	49006	1.85	194.43	708	-237926	SLU 49	17432	49223	50679	2.15	69.52	Si
-81	6X/2Y Ø8/10	-252	-239784	SLU 52	17927	48927	49085	1.85	194.43	708	-237725	SLU 49	17432	49223	50759	2.15	69.52	Si
-52	6X/2Y Ø8/10	-252	-239584	SLU 52	17927	48927	49163	1.85	194.43	708	-237524	SLU 49	17432	49223	50838	2.15	69.52	Si
-22	6X/2Y Ø8/15	-252	-239383	SLU 52	17927	41434	42411	2.35	164.65	722	-188420	SLU 40	17432	38157	63442	2.5	52.85	Si
7	6X/2Y Ø8/15	-252	-239182	SLU 52	17927	41434	42479	2.35	164.65	722	-188219	SLU 40	17432	38157	63514	2.5	52.85	Si
36	6X/2Y Ø8/15	-252	-238981	SLU 52	17927	41434	42546	2.35	164.65	722	-188019	SLU 40	17432	38157	63586	2.5	52.85	Si
66	6X/2Y Ø8/15	-252	-238781	SLU 52	17927	41434	42614	2.35	164.65	722	-187818	SLU 40	17432	38157	63657	2.5	52.85	Si
95	6X/2Y Ø8/15	-252	-238580	SLU 52	17927	41434	42682	2.35	164.65	722	-187617	SLU 40	17432	38157	63729	2.5	52.85	Si
125	6X/2Y Ø8/15	-252	-238377	SLU 52	17927	41434	42750	2.35	164.65	722	-187415	SLU 40	17432	38157	63802	2.5	52.85	Si
154	6X/2Y Ø8/15	-252	-238178	SLU 52	17927	41434	42817	2.35	164.65	722	-187216	SLU 40	17432	38157	63873	2.5	52.85	Si
184	6X/2Y Ø8/15	-252	-237978	SLU 52	17927	41434	42884	2.35	164.65	722	-187015	SLU 40	17432	38157	63945	2.5	52.85	Si
213	6X/2Y Ø8/15	-252	-237780	SLU 52	17927	42315	42323	2.4	168.16	722	-186817	SLU 40	17432	38157	64016	2.5	52.85	Si
242	6X/2Y Ø8/10	-252	-237576	SLU 52	17927	48927	49947	1.85	194.43	693	-237528	SLU 51	17432	49223	50837	2.15	71.02	Si
272	6X/2Y Ø8/10	-252	-237375	SLU 52	17927	48927	50026	1.85	194.43	693	-237327	SLU 51	17432	49223	50917	2.15	71.02	Si
301	6X/2Y Ø8/10	-252	-237175	SLU 52	17927	48927	50104	1.85	194.43	693	-237127	SLU 51	17432	49223	50996	2.15	71.02	Si
331	6X/2Y Ø8/10	-252	-236974	SLU 52	17927	48927	50183	1.85	194.43	693	-236926	SLU 51	17432	49223	51076	2.15	71.02	Si
360	6X/2Y Ø8/10	-252	-236777	SLU 52	17927	48927	50260	1.85	194.43	708	-234717	SLU 49	17432	50368	51182	2.2	71.13	Si
380	6X/2Y Ø8/10	-621	-197933	SLU 51	17927	58184	58925	2.2	93.65	2462	-183411	SLU 45	17432	57236	65237	2.5	23.25	Si
409	6X/2Y Ø8/10	-621	-197735	SLU 51	17927	58184	58994	2.2	93.65	2462	-183213	SLU 45	17432	57236	65308	2.5	23.25	Si
438	6X/2Y Ø8/10	-621	-197537	SLU 51	17927	58184	59064	2.2	93.65	2462	-183015	SLU 45	17432	57236	65379	2.5	23.25	Si
467	6X/2Y Ø8/14.4	-621	-197339	SLU 51	17927	45774	54128	2.5	73.67	2462	-182817	SLU 45	17432	39625	65450	2.5	16.1	Si
496	6X/2Y Ø8/14.4	-621	-197142	SLU 51	17927	45774	54192	2.5	73.67	2462	-182619	SLU 45	17432	39625	65483	2.5	16.1	Si
525	6X/2Y Ø8/14.4	-621	-196944	SLU 51	17927	45774	54256	2.5	73.67	2462	-182421	SLU 45	17432	39625	65483	2.5	16.1	Si
554	6X/2Y Ø8/14.4	-621	-196746	SLU 51	17927	45774	54320	2.5	73.67	2462	-182224	SLU 45	17432	39625	65483	2.5	16.1	Si
583	6X/2Y Ø8/14.4	-621	-196548	SLU 51	17927	45774	54383	2.5	73.67	2462	-182026	SLU 45	17432	39625	65483	2.5	16.1	Si
612	6X/2Y Ø8/10	-621	-196350	SLU 51	17927	58184	59481	2.2	93.65	2462	-181828	SLU 45	17432	57236	65483	2.5	23.25	Si
641	6X/2Y Ø8/10	-621	-196152	SLU 51	17927	58184	59551	2.2	93.65	2462	-181630	SLU 45	17432	57236	65483	2.5	23.25	Si
670	6X/2Y Ø8/10	-621	-195954	SLU 51	17927	58184	59621	2.2	93.65	2462	-181432	SLU 45	17432	57236	65483	2.5	23.25	Si
690	5X/2Y Ø8/10	-574	-155966	SLU 51	15366	51792	52691	2.35	90.28	1474	-153866	SLU 49	15029	48385	55356	2.5	32.82	Si
719	5X/2Y Ø8/10	-574	-155796	SLU 51	15366	51792	52691	2.35	90.28	1474	-153696	SLU 49	15029	48385	55356	2.5	32.82	Si
748	5X/2Y Ø8/10	-574	-155627	SLU 51	15366	51792	52691	2.35	90.28	1474	-153526	SLU 49	15029	48385	55356	2.5	32.82	Si
777	5X/2Y Ø8/14.4	-574	-155457	SLU 51	15366	38145	50429	2.5	66.49	1474	-153357	SLU 49	15029	33497	55356	2.5	22.72	Si
806	5X/2Y Ø8/14.4	-574	-155287	SLU 51	15366	38145	50429	2.5	66.49	1474	-153187	SLU 49	15029	33497	55356	2.5	22.72	Si
835	5X/2Y Ø8/14.4	-574	-155118	SLU 51	15366	38145	50429	2.5	66.49	1474	-153018	SLU 49	15029	33497	55356	2.5	22.72	Si
864	5X/2Y Ø8/14.4	-574	-154948	SLU 51	15366	38145	50429	2.5	66.49	1474	-152848	SLU 49	15029	33497	55356	2.5	22.72	Si
893	5X/2Y Ø8/14.4	-574	-154779	SLU 51	15366	38145	50429	2.5	66.49	1474	-152678	SLU 49	15029	33497	55356	2.5	22.72	Si
922	5X/2Y Ø8/10	-574	-154609	SLU 51	15366	51792	52691	2.35	90.28	1474	-152509	SLU 49	15029	48385	55356	2.5	32.82	Si
951	5X/2Y Ø8/10	-574	-154439	SLU 51	15366	51792	52691	2.35	90.28	1474	-152339	SLU 49	15029	48385	55356	2.5	32.82	Si
980	5X/2Y Ø8/10	-574	-154270	SLU 51	15366	51792	52691	2.35	90.28	1474	-152169	SLU 49	15029	48385	55356	2.5	32.82	Si
1000	4X/2Y Ø8/10	-525	-114786	SLU 49	12805	42315	43268	2.4	80.59	1302	-114834	SLU 50	12600	39534	45230	2.5	30.35	Si
1029	4X/2Y Ø8/10	-525	-114645	SLU 49	12805	42315	43268	2.4	80.59	1302	-114693	SLU 50	12600	39534	45230	2.5	30.35	Si
1058	4X/2Y Ø8/10	-525	-114503	SLU 49	12805	42315	43268	2.4	80.59	1302	-114551	SLU 50	12600	39534	45230	2.5	30.35	Si
1087	4X/2Y Ø8/14.4	-525	-114362	SLU 49	12805	30516	42024	2.5	58.12	1302	-114410	SLU 50	12600	27370	45230	2.5	21.01	Si
1116	4X/2Y Ø8/14.4	-525	-114221	SLU 49	12805	30516	42024	2.5	58.12	1302	-114269	SLU 50	12600	27370	45230	2.5	21.01	Si
1145	4X/2Y Ø8/14.4	-525	-114079	SLU 49	12805	30516	42024	2.5	58.12	1302	-114127	SLU 50	12600	27370	45230	2.5	21.01	Si
1174	4X/2Y Ø8/14.4	-525	-113938	SLU 49	12805	30516	42024	2.5	58.12	1302	-113986	SLU 50	12600	27370	45230	2.5	21.01	Si
1203	4X/2Y Ø8/14.4	-525	-113797	SLU 49	12805	30516	42024	2.5	58.12	1302	-113844	SLU 50	12600	27370	45230	2.5	21.01	Si
1232	4X/2Y Ø8/10	-525	-113655	SLU 49	12805	42315	43268	2.4	80.59	1302	-113703	SLU 50	12600	39534	45230	2.5	30.35	Si
1261	4X/2Y Ø8/10	-525	-113514	SLU 49	12805	42315	43268	2.4	80.59	1302	-113562	SLU 50	12600	39534	45230	2.5	30.35	Si
1290	4X/2Y Ø8/10	-525	-113372	SLU 49	12805	42315	43268	2.4	80.59	1302	-113420	SLU 50	12600	39534	45230	2.5	30.35	Si
1310	4X/2Y Ø8/10	-1072	-77864	SLU 51	12805	42315	43268	2.4	39.47	1500	-75631	SLU 50	12600	39534	45230	2.5	26.36	Si
1339	4X/2Y Ø8/10	-1072	-77722	SLU 51	12805	42315	43268	2.4	39.47	1500	-75490	SLU 50	12600	39534	45230	2.5	26.36	Si
1368	4X/2Y Ø8/10	-1072	-77581	SLU 51	12805	42315	43268	2.4	39.47	1500	-75348	SLU 50	12600	39534	45230	2.5	26.36	Si
1397	4X/2Y Ø8/14.4	-1072	-77439	SLU 51	12805	30516	42024	2.5	28.46	1500	-75207	SLU 50	12600	27370	45230	2.5	18.25	Si
1426	4X/2Y Ø8/14.4	-1072	-77298	SLU 51	12805	30516	42024	2.5	28.46	1500	-75065	SLU 50	12600	27370	45230	2.5	18.25	Si
1455	4X/2Y Ø8/14.4	-1072	-77157	SLU 51	12805	30516	42024	2.5	28.46	1500	-74924	SLU 50	12600	27370	45230	2.5	18.25	Si
1484	4X/2Y Ø8/14.4	-1072	-77015	SLU 51	12805	30516	42024	2.5	28.46	1500	-74783	SLU 50	12600	27370	45230	2.5	18.25	Si
1513	4X/2Y Ø8/14.4	-1072	-76874	SLU 51	12805	30516	42024	2.5	28.46	1500	-74641	SLU 50	12600	27370	45230	2.5	18.25	Si
1542	4X/2Y Ø8/10	-1072	-76733	SLU 51	12805	42315	43268	2.4	39.47	1500	-74500	SLU 50	12600	39534	45230	2.5	26.36	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1571	4X/2Y Ø8/10	-1072	-76591	SLU 51	12805	42315	43268	2.4	39.47	1500	-74359	SLU 50	12600	39534	45230	2.5	26.36	Si
1600	4X/2Y Ø8/10	-1072	-76450	SLU 51	12805	42315	43268	2.4	39.47	1500	-74217	SLU 50	12600	39534	45230	2.5	26.36	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	6X/2Y Ø8/10	-1722	-147025	SLV 5	17927	60828	62389	2.3	35.32	4885	-144398	SLV 1	17432	57236	65483	2.5	11.72	Si
-111	6X/2Y Ø8/10	-1722	-146873	SLV 5	17927	60828	62389	2.3	35.32	4885	-144246	SLV 1	17432	57236	65483	2.5	11.72	Si
-81	6X/2Y Ø8/10	-1722	-146719	SLV 5	17927	60828	62389	2.3	35.32	4885	-144091	SLV 1	17432	57236	65483	2.5	11.72	Si
-52	6X/2Y Ø8/10	-1722	-146564	SLV 5	17927	60828	62389	2.3	35.32	4885	-143937	SLV 1	17432	57236	65483	2.5	11.72	Si
-22	6X/2Y Ø8/15	-1722	-146410	SLV 5	17927	44078	58834	2.5	25.59	4885	-143783	SLV 1	17432	38157	65483	2.5	7.81	Si
7	6X/2Y Ø8/15	-1722	-146256	SLV 5	17927	44078	58834	2.5	25.59	4885	-143628	SLV 1	17432	38157	65483	2.5	7.81	Si
36	6X/2Y Ø8/15	-1722	-146101	SLV 5	17927	44078	58834	2.5	25.59	4885	-143474	SLV 1	17432	38157	65483	2.5	7.81	Si
66	6X/2Y Ø8/15	-1722	-145947	SLV 5	17927	44078	58834	2.5	25.59	4885	-143319	SLV 1	17432	38157	65483	2.5	7.81	Si
95	6X/2Y Ø8/15	-1722	-145792	SLV 5	17927	44078	58834	2.5	25.59	4885	-143165	SLV 1	17432	38157	65483	2.5	7.81	Si
125	6X/2Y Ø8/15	-1722	-145636	SLV 5	17927	44078	58834	2.5	25.59	4885	-143009	SLV 1	17432	38157	65483	2.5	7.81	Si
154	6X/2Y Ø8/15	-1722	-145483	SLV 5	17927	44078	58834	2.5	25.59	4885	-142856	SLV 1	17432	38157	65483	2.5	7.81	Si
184	6X/2Y Ø8/15	-1722	-145329	SLV 5	17927	44078	58834	2.5	25.59	4885	-142702	SLV 1	17432	38157	65483	2.5	7.81	Si
213	6X/2Y Ø8/15	-1722	-145177	SLV 5	17927	44078	58834	2.5	25.59	4885	-142550	SLV 1	17432	38157	65483	2.5	7.81	Si
242	6X/2Y Ø8/10	-1722	-145020	SLV 5	17927	60828	62389	2.3	35.32	4885	-142393	SLV 1	17432	57236	65483	2.5	11.72	Si
272	6X/2Y Ø8/10	-1722	-144866	SLV 5	17927	60828	62389	2.3	35.32	4885	-142239	SLV 1	17432	57236	65483	2.5	11.72	Si
301	6X/2Y Ø8/10	-1722	-144711	SLV 5	17927	60828	62389	2.3	35.32	4885	-142084	SLV 1	17432	57236	65483	2.5	11.72	Si
331	6X/2Y Ø8/10	-1722	-144557	SLV 5	17927	60828	62389	2.3	35.32	4885	-141930	SLV 1	17432	57236	65483	2.5	11.72	Si
360	6X/2Y Ø8/10	-1722	-144405	SLV 5	17927	60828	62389	2.3	35.32	4885	-141778	SLV 1	17432	57236	65483	2.5	11.72	Si
380	6X/2Y Ø8/10	-3168	-119884	SLV 5	17927	60828	62389	2.3	19.2	3795	-117722	SLV 1	17432	57236	65483	2.5	15.08	Si
409	6X/2Y Ø8/10	-3168	-119732	SLV 5	17927	60828	62389	2.3	19.2	3795	-117570	SLV 1	17432	57236	65483	2.5	15.08	Si
438	6X/2Y Ø8/10	-3168	-119579	SLV 5	17927	60828	62389	2.3	19.2	3795	-117417	SLV 1	17432	57236	65483	2.5	15.08	Si
467	6X/2Y Ø8/14.4	-3168	-119427	SLV 5	17927	45774	58834	2.5	14.45	3795	-117265	SLV 1	17432	39625	65483	2.5	10.44	Si
496	6X/2Y Ø8/14.4	-3168	-119275	SLV 5	17927	45774	58834	2.5	14.45	3795	-117113	SLV 1	17432	39625	65483	2.5	10.44	Si
525	6X/2Y Ø8/14.4	-3168	-119123	SLV 5	17927	45774	58834	2.5	14.45	3795	-116961	SLV 1	17432	39625	65483	2.5	10.44	Si
554	6X/2Y Ø8/14.4	-3168	-118970	SLV 5	17927	45774	58834	2.5	14.45	3795	-116808	SLV 1	17432	39625	65483	2.5	10.44	Si
583	6X/2Y Ø8/14.4	-3168	-118818	SLV 5	17927	45774	58834	2.5	14.45	3795	-116656	SLV 1	17432	39625	65483	2.5	10.44	Si
612	6X/2Y Ø8/10	-3168	-118666	SLV 5	17927	60828	62389	2.3	19.2	3795	-116504	SLV 1	17432	57236	65483	2.5	15.08	Si
641	6X/2Y Ø8/10	-3168	-118514	SLV 5	17927	60828	62389	2.3	19.2	3795	-116352	SLV 1	17432	57236	65483	2.5	15.08	Si
670	6X/2Y Ø8/10	-3168	-118361	SLV 5	17927	60828	62389	2.3	19.2	3795	-116199	SLV 1	17432	57236	65483	2.5	15.08	Si
690	5X/2Y Ø8/10	-2767	-93278	SLV 5	15366	51792	52691	2.35	18.72	3644	-91657	SLV 1	15029	48385	55356	2.5	13.28	Si
719	5X/2Y Ø8/10	-2767	-93147	SLV 5	15366	51792	52691	2.35	18.72	3644	-91527	SLV 1	15029	48385	55356	2.5	13.28	Si
748	5X/2Y Ø8/10	-2767	-93017	SLV 5	15366	51792	52691	2.35	18.72	3644	-91396	SLV 1	15029	48385	55356	2.5	13.28	Si
777	5X/2Y Ø8/14.4	-2767	-92886	SLV 5	15366	38145	50429	2.5	13.79	3644	-91266	SLV 1	15029	33497	55356	2.5	9.19	Si
806	5X/2Y Ø8/14.4	-2767	-92756	SLV 5	15366	38145	50429	2.5	13.79	3644	-91135	SLV 1	15029	33497	55356	2.5	9.19	Si
835	5X/2Y Ø8/14.4	-2767	-92625	SLV 5	15366	38145	50429	2.5	13.79	3644	-91005	SLV 1	15029	33497	55356	2.5	9.19	Si
864	5X/2Y Ø8/14.4	-2767	-92495	SLV 5	15366	38145	50429	2.5	13.79	3644	-90874	SLV 1	15029	33497	55356	2.5	9.19	Si
893	5X/2Y Ø8/14.4	-2767	-92364	SLV 5	15366	38145	50429	2.5	13.79	3644	-90744	SLV 1	15029	33497	55356	2.5	9.19	Si
922	5X/2Y Ø8/10	-2767	-92234	SLV 5	15366	51792	52691	2.35	18.72	3644	-90613	SLV 1	15029	48385	55356	2.5	13.28	Si
951	5X/2Y Ø8/10	-2767	-92103	SLV 5	15366	51792	52691	2.35	18.72	3644	-90483	SLV 1	15029	48385	55356	2.5	13.28	Si
980	5X/2Y Ø8/10	-2767	-91973	SLV 5	15366	51792	52691	2.35	18.72	3644	-90352	SLV 1	15029	48385	55356	2.5	13.28	Si
1000	4X/2Y Ø8/10	-2448	-68555	SLV 5	12805	42315	43268	2.4	17.29	2896	-67390	SLV 1	12600	39534	45230	2.5	13.65	Si
1029	4X/2Y Ø8/10	-2448	-68446	SLV 5	12805	42315	43268	2.4	17.29	2896	-67282	SLV 1	12600	39534	45230	2.5	13.65	Si
1058	4X/2Y Ø8/10	-2448	-68337	SLV 5	12805	42315	43268	2.4	17.29	2896	-67173	SLV 1	12600	39534	45230	2.5	13.65	Si
1087	4X/2Y Ø8/14.4	-2448	-68228	SLV 5	12805	30516	42024	2.5	12.47	2896	-67064	SLV 1	12600	27370	45230	2.5	9.45	Si
1116	4X/2Y Ø8/14.4	-2448	-68120	SLV 5	12805	30516	42024	2.5	12.47	2896	-66955	SLV 1	12600	27370	45230	2.5	9.45	Si
1145	4X/2Y Ø8/14.4	-2448	-68011	SLV 5	12805	30516	42024	2.5	12.47	2896	-66847	SLV 1	12600	27370	45230	2.5	9.45	Si
1174	4X/2Y Ø8/14.4	-2448	-67902	SLV 5	12805	30516	42024	2.5	12.47	2896	-66738	SLV 1	12600	27370	45230	2.5	9.45	Si
1203	4X/2Y Ø8/14.4	-2448	-67793	SLV 5	12805	30516	42024	2.5	12.47	2896	-66629	SLV 1	12600	27370	45230	2.5	9.45	Si
1232	4X/2Y Ø8/10	-2448	-67685	SLV 5	12805	42315	43268	2.4	17.29	2896	-66520	SLV 1	12600	39534	45230	2.5	13.65	Si
1261	4X/2Y Ø8/10	-2448	-67576	SLV 5	12805	42315	43268	2.4	17.29	2896	-66412	SLV 1	12600	39534	45230	2.5	13.65	Si
1290	4X/2Y Ø8/10	-2448	-67467	SLV 5	12805	42315	43268	2.4	17.29	2896	-66303	SLV 1	12600	39534	45230	2.5	13.65	Si
1310	4X/2Y Ø8/10	-2800	-43870	SLV 5	11767	40552	41642	2.3	14.48	2792	-42882	SLV 3	11351	39534	42128	2.5	14.16	Si
1339	4X/2Y Ø8/10	-2800	-43762	SLV 5	11754	40552	41627	2.3	14.48	2792	-42773	SLV 3	11336	39534	42113	2.5	14.16	Si
1368	4X/2Y Ø8/10	-2800	-43653	SLV 5	11740	40552	41612	2.3	14.48	2792	-42664	SLV 3	11322	39534	42098	2.5	14.16	Si
1397	4X/2Y Ø8/14.4	-2800	-43544	SLV 5	11727	30516	39228	2.5	10.9	2792	-42555	SLV 3	11307	27370	42083	2.5	9.8	Si
1426	4X/2Y Ø8/14.4	-2800	-43435	SLV 5	11713	30516	39214	2.5	10.9	2792	-42447	SLV 3	11292	27370	42068	2.5	9.8	Si
1455	4X/2Y Ø8/14.4	-2800	-43327	SLV 5	11700	30516	39200	2.5	10.9	2792	-42338	SLV 3	11278	27370	42053	2.5	9.8	Si
1484	4X/2Y Ø8/14.4	-2800	-43218	SLV 5	11686	30516	39186	2.5	10.9	2792	-42229	SLV 3	11263	27370	42038	2.5	9.8	Si
1513	4X/2Y Ø8/14.4	-2800	-43109	SLV 5	11672	30516	39172	2.5	10.9	2792	-42120	SLV 3	11249	27370	42023	2.5	9.8	Si
1542	4X/2Y Ø8/10	-2800	-43000	SLV 5	11659	40552	41523	2.3	14.48	2792	-42012	SLV 3	11234	39534	42008	2.5	14.16	Si
1571	4X/2Y Ø8/10	-2800	-42892	SLV 5	11645	40552	41508	2.3	14.48	2792	-41903	SLV 3	11220	39534	41993	2.5	14.16	Si
1600	4X/2Y Ø8/10	-2800	-42783	SLV 5	11632	40552	41494	2.3	14.48	2792	-41794	SLV 3	11205	39534	41977	2.5	14.16	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	6X/2Y Ø8/10	-752	-146759	SLD 5	22477	66118	58834	2.5	78.22	2220	-145723	SLD 1	22496	57236	65483	2.5	25.78	Si
-111	6X/2Y Ø8/10	-752	-146607	SLD 5	22477	66118	58834	2.5	78.22	2220	-145571	SLD 1	22496	57236	65483	2.5	25.78	Si
-81	6X/2Y Ø8/10	-752	-146453	SLD 5	22477	66118	58834	2.5	78.22	2220	-145417	SLD 1	22496	57236	65483	2.5	25.78	Si
-52	6X/2Y Ø8/10	-752	-146298	SLD 5	22477	66118	58834	2.5	78.22	2220	-145262	SLD 1	22496	57236	65483	2.5	25.78	Si
-22	6X/2Y Ø8/15	-752	-146144	SLD 5	22477	44078	58834	2.5	58.6	2220	-145108	SLD 1	22496	38157	65483	2.5	17.19	Si
7	6X/2Y Ø8/15	-752	-145989	SLD 5	22477	44078	58834	2.5	58.6	2220	-144953	SLD 1	22496	38157	65483	2.5	17.19	Si
36	6X/2Y Ø8/15	-752	-145835	SLD 5	22477	44078	58834	2.5	58.6	2220	-144799	SLD 1	22496	38157	65483	2.5	17.19	Si
66	6X/2Y Ø8/15	-752	-145681	SLD 5	22477	44078	58834	2.5	58.6	2220	-144645	SLD 1	22496	38157	65483	2.5	17.19	Si
95	6X/2Y Ø8/15	-752	-145526	SLD 5	22477	44078	58834	2.5	58.6	2220	-144490	SLD 1	22496	38157	65483	2.5	17.19	Si
125	6X/2Y Ø8/15	-752	-145370	SLD 5	22477	44078	58834	2.5	58.6	2220	-144334	SLD 1	22496	38157	65483	2.5	17.19	Si
154	6X/2Y Ø8/15	-752	-145217	SLD 5	22477	44078	58834	2.5	58.6	2220	-144181	SLD 1	22496	38157	65483	2.5	17.19	Si
184	6X/2Y Ø8/15	-752	-145063	SLD 5	22477	44078	58834	2.5	58.6	2220	-144027	SLD 1	22496	38157	65483	2.5	17.19	Si
213	6X/2Y Ø8/15	-752	-144911	SLD 5	22477	44078	58834	2.5	58.6	2220	-143875	SLD 1	22496	38157	65483	2.5	17.19	Si
242	6X/2Y Ø8/10	-752	-144754	SLD 5	22477	66118	58834	2.5	78.22	2220	-143718	SLD 1	22496	57236	65483	2.5	25.78	Si
272	6X/2Y Ø8/10	-752	-144600	SLD 5	22477	66118	58834	2.5	78.22	2220	-143564	SLD 1	22496	57236	65483	2.5	25.78	Si
301	6X/2Y Ø8/10	-752	-144445	SLD 5	22477	66118	58834	2.5	78.22	2220	-143409	SLD 1	22496	57236	65483	2.5	25.78	Si
331	6X/2Y Ø8/10	-752	-144291	SLD 5	22477	66118	58834	2.5	78.22	2220	-143255	SLD 1	22496	57236	65483	2.5	25.78	Si
360	6X/2Y Ø8/10	-752	-144139	SLD 5	22477	66118	58834	2.5	78.22	2220	-143103	SLD 1	22496	57236	65483	2.5	25.78	Si
380	6X/2Y Ø8/10	-1441	-119748	SLD 5	22477	66118	58834	2.5	40.83	2166	-118888	SLD 1	22496	57236	65483	2.5	26.42	Si
409	6X/2Y Ø8/10	-1441	-119596	SLD 5	22477	66118	58834	2.5	40.83	2166	-118736	SLD 1	22496	57236	65483	2.5	26.42	Si
438	6X/2Y Ø8/10	-1441	-119444	SLD 5	22477	66118	58834	2.5	40.83	2166	-118584	SLD 1	22496	57236	65483	2.5	26.42	Si
467	6X/2Y Ø8/14.4	-1441	-119291	SLD 5	22477	45774	58834	2.5	31.77	2166	-118431	SLD 1	22496	39625	65483	2.5	18.29	Si
496	6X/2Y Ø8/14.4	-1441	-119139	SLD 5	22477	45774	58834	2.5	31.77	2166	-118279	SLD 1	22496	39625	65483	2.5	18.29	Si
525	6X/2Y Ø8/14.4	-1441	-118987	SLD 5	22477	45774	58834	2.5	31.77	2166	-118127	SLD 1	22496	39625	65483	2.5	18.29	Si
554	6X/2Y Ø8/14.4	-1441	-118835	SLD 5	22477	45774	58834	2.5	31.77	2166	-117975	SLD 1	22496	39625	65483	2.5	18.29	Si
583	6X/2Y Ø8/14.4	-1441	-118682	SLD 5	22477	45774	58834	2.5	31.77	2166	-117822	SLD 1	22496	39625	65483	2.5	18.29	Si
612	6X/2Y Ø8/10	-1441	-118530	SLD 5	22477	66118	58834	2.5	40.83	2166	-117670	SLD 1	22496	57236	65483	2.5	26.42	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
641	6X/2Y Ø8/10	-1441	-118378	SLD 5	22477	66118	58834	2.5	40.83	2166	-117518	SLD 1	22496	57236	65483	2.5	26.42	Si
670	6X/2Y Ø8/10	-1441	-118226	SLD 5	22477	66118	58834	2.5	40.83	2166	-117366	SLD 1	22496	57236	65483	2.5	26.42	Si
690	5X/2Y Ø8/10	-1267	-93211	SLD 5	19171	55098	50429	2.5	39.8	2004	-92557	SLD 1	19116	48385	55356	2.5	24.15	Si
719	5X/2Y Ø8/10	-1267	-93080	SLD 5	19155	55098	50429	2.5	39.8	2004	-92426	SLD 1	19098	48385	55356	2.5	24.15	Si
748	5X/2Y Ø8/10	-1267	-92950	SLD 5	19139	55098	50429	2.5	39.8	2004	-92296	SLD 1	19080	48385	55356	2.5	24.15	Si
777	5X/2Y Ø8/14.4	-1267	-92819	SLD 5	19122	38145	50429	2.5	30.1	2004	-92165	SLD 1	19063	33497	55356	2.5	16.72	Si
806	5X/2Y Ø8/14.4	-1267	-92689	SLD 5	19106	38145	50429	2.5	30.1	2004	-92035	SLD 1	19045	33497	55356	2.5	16.72	Si
835	5X/2Y Ø8/14.4	-1267	-92558	SLD 5	19090	38145	50429	2.5	30.1	2004	-91904	SLD 1	19027	33497	55356	2.5	16.72	Si
864	5X/2Y Ø8/14.4	-1267	-92428	SLD 5	19074	38145	50429	2.5	30.1	2004	-91774	SLD 1	19009	33497	55356	2.5	16.72	Si
893	5X/2Y Ø8/14.4	-1267	-92297	SLD 5	19057	38145	50429	2.5	30.1	2004	-91643	SLD 1	18991	33497	55356	2.5	16.72	Si
922	5X/2Y Ø8/10	-1267	-92167	SLD 5	19041	55098	50429	2.5	39.8	2004	-91513	SLD 1	18973	48385	55356	2.5	24.15	Si
951	5X/2Y Ø8/10	-1267	-92036	SLD 5	19025	55098	50429	2.5	39.8	2004	-91382	SLD 1	18956	48385	55356	2.5	24.15	Si
980	5X/2Y Ø8/10	-1267	-91906	SLD 5	19009	55098	50429	2.5	39.8	2004	-91252	SLD 1	18938	48385	55356	2.5	24.15	Si
1000	4X/2Y Ø8/10	-1131	-68492	SLD 5	14833	44078	42024	2.5	37.15	1639	-68013	SLD 1	14718	39534	45230	2.5	24.12	Si
1029	4X/2Y Ø8/10	-1131	-68383	SLD 5	14819	44078	42024	2.5	37.15	1639	-67904	SLD 1	14704	39534	45230	2.5	24.12	Si
1058	4X/2Y Ø8/10	-1131	-68275	SLD 5	14806	44078	42024	2.5	37.15	1639	-67795	SLD 1	14689	39534	45230	2.5	24.12	Si
1087	4X/2Y Ø8/14.4	-1131	-68166	SLD 5	14792	30516	42024	2.5	26.98	1639	-67686	SLD 1	14674	27370	45230	2.5	16.7	Si
1116	4X/2Y Ø8/14.4	-1131	-68057	SLD 5	14778	30516	42024	2.5	26.98	1639	-67578	SLD 1	14660	27370	45230	2.5	16.7	Si
1145	4X/2Y Ø8/14.4	-1131	-67948	SLD 5	14765	30516	42024	2.5	26.98	1639	-67469	SLD 1	14645	27370	45230	2.5	16.7	Si
1174	4X/2Y Ø8/14.4	-1131	-67840	SLD 5	14751	30516	42024	2.5	26.98	1639	-67360	SLD 1	14631	27370	45230	2.5	16.7	Si
1203	4X/2Y Ø8/14.4	-1131	-67731	SLD 5	14738	30516	42024	2.5	26.98	1639	-67251	SLD 1	14616	27370	45230	2.5	16.7	Si
1232	4X/2Y Ø8/10	-1131	-67622	SLD 5	14724	44078	42024	2.5	37.15	1639	-67143	SLD 1	14602	39534	45230	2.5	24.12	Si
1261	4X/2Y Ø8/10	-1131	-67513	SLD 5	14711	44078	42024	2.5	37.15	1639	-67034	SLD 1	14587	39534	45230	2.5	24.12	Si
1290	4X/2Y Ø8/10	-1131	-67405	SLD 5	14697	44078	42024	2.5	37.15	1639	-66925	SLD 1	14572	39534	45230	2.5	24.12	Si
1310	4X/2Y Ø8/10	-1459	-43791	SLD 5	11757	44078	39259	2.5	26.91	1645	-43360	SLD 3	11415	39534	42195	2.5	24.04	Si
1339	4X/2Y Ø8/10	-1459	-43682	SLD 5	11744	44078	39245	2.5	26.9	1645	-43251	SLD 3	11400	39534	42179	2.5	24.04	Si
1368	4X/2Y Ø8/10	-1459	-43573	SLD 5	11730	44078	39231	2.5	26.89	1645	-43143	SLD 3	11386	39534	42164	2.5	24.04	Si
1397	4X/2Y Ø8/14.4	-1459	-43464	SLD 5	11717	30516	39217	2.5	20.92	1645	-43034	SLD 3	11371	27370	42149	2.5	16.64	Si
1426	4X/2Y Ø8/14.4	-1459	-43356	SLD 5	11703	30516	39203	2.5	20.92	1645	-42925	SLD 3	11357	27370	42134	2.5	16.64	Si
1455	4X/2Y Ø8/14.4	-1459	-43247	SLD 5	11690	30516	39189	2.5	20.92	1645	-42816	SLD 3	11342	27370	42119	2.5	16.64	Si
1484	4X/2Y Ø8/14.4	-1459	-43138	SLD 5	11676	30516	39175	2.5	20.92	1645	-42708	SLD 3	11327	27370	42104	2.5	16.64	Si
1513	4X/2Y Ø8/14.4	-1459	-43029	SLD 5	11663	30516	39161	2.5	20.92	1645	-42599	SLD 3	11313	27370	42089	2.5	16.64	Si
1542	4X/2Y Ø8/10	-1459	-42921	SLD 5	11649	44078	39147	2.5	26.83	1645	-42490	SLD 3	11298	39534	42074	2.5	24.04	Si
1571	4X/2Y Ø8/10	-1459	-42812	SLD 5	11635	44078	39133	2.5	26.82	1645	-42381	SLD 3	11284	39534	42059	2.5	24.04	Si
1600	4X/2Y Ø8/10	-1459	-42703	SLD 5	11622	44078	39119	2.5	26.81	1645	-42273	SLD 3	11269	39534	42044	2.5	24.04	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	-125862	38311	-170731	SLE RA 12	-76.7	-125862	38311	-170731	SLE RA 12	-1124.6	Si
-111	-112347	33291	-170579	SLE RA 12	-75.8	-112347	33291	-170579	SLE RA 12	-1113.9	Si
-81	-98599	28183	-170424	SLE RA 12	-74.8	-98599	28183	-170424	SLE RA 12	-1103.1	Si
-52	-84850	23076	-170270	SLE RA 12	-73.9	-84850	23076	-170270	SLE RA 12	-1092.2	Si
-22	-71102	17969	-170116	SLE RA 12	-73	-71102	17969	-170116	SLE RA 12	-1081.4	Si
7	-57354	12862	-169961	SLE RA 12	-72	-57354	12862	-169961	SLE RA 12	-1070.5	Si
36	-43605	7755	-169807	SLE RA 12	-71.1	-43605	7755	-169807	SLE RA 12	-1059.7	Si
66	-29857	2648	-169652	SLE RA 12	-70.2	-29857	2648	-169652	SLE RA 12	-1048.8	Si
95	-16108	-2460	-169498	SLE RA 12	-69.6	-16108	-2460	-169498	SLE RA 12	-1041.7	Si
125	-2349	-8467	-169374	SLE RA 13	-69.5	-2349	-8467	-169374	SLE RA 13	-1039.4	Si
154	11388	-12674	-169189	SLE RA 12	-70.1	11388	-12674	-169189	SLE RA 12	-1045.4	Si
184	25137	-17781	-169035	SLE RA 12	-70.9	25137	-17781	-169035	SLE RA 12	-1054.4	Si
213	38679	-22812	-168883	SLE RA 12	-71.7	38679	-22812	-168883	SLE RA 12	-1063.2	Si
242	52633	-27996	-168726	SLE RA 12	-72.5	52633	-27996	-168726	SLE RA 12	-1072.3	Si
272	66382	-33103	-168572	SLE RA 12	-73.4	66382	-33103	-168572	SLE RA 12	-1081.3	Si
301	80130	-38210	-168417	SLE RA 12	-74.2	80130	-38210	-168417	SLE RA 12	-1090.3	Si
331	93878	-43317	-168263	SLE RA 12	-75	93878	-43317	-168263	SLE RA 12	-1099.2	Si
360	107393	-48338	-168111	SLE RA 12	-75.8	107393	-48338	-168111	SLE RA 12	-1108	Si
380	-287018	73642	-140658	SLE RA 13	-72.8	-287018	73642	-140658	SLE RA 13	-1039.1	Si
409	-241619	61873	-140506	SLE RA 13	-70.3	-241619	61873	-140506	SLE RA 13	-1009.2	Si
438	-196219	50105	-140353	SLE RA 13	-67.7	-196219	50105	-140353	SLE RA 13	-979.4	Si
467	-150820	38336	-140201	SLE RA 13	-65.2	-150820	38336	-140201	SLE RA 13	-949.6	Si
496	-105421	26567	-140049	SLE RA 13	-62.6	-105421	26567	-140049	SLE RA 13	-919.8	Si
525	-60021	14799	-139897	SLE RA 13	-60.1	-60021	14799	-139897	SLE RA 13	-890	Si
554	-14622	3030	-139744	SLE RA 13	-57.5	-14622	3030	-139744	SLE RA 13	-860.2	Si
583	44177	-9988	-139539	SLE RA 12	-59	44177	-9988	-139539	SLE RA 12	-877.2	Si
612	80630	-22791	-139386	SLE RA 12	-61.2	80630	-22791	-139386	SLE RA 12	-902	Si
641	117084	-35594	-139234	SLE RA 12	-63.3	117084	-35594	-139234	SLE RA 12	-925.2	Si
670	166976	-44045	-139135	SLE RA 13	-62.7	166976	-44045	-139135	SLE RA 13	-912.2	Si
690	-116597	44807	-110756	SLE RA 12	-60.6	-116597	44807	-110756	SLE RA 12	-873.5	Si
719	-86789	32995	-110625	SLE RA 12	-59.1	-86789	32995	-110625	SLE RA 12	-859	Si
748	-56982	21182	-110495	SLE RA 12	-57.2	-56982	21182	-110495	SLE RA 12	-840.7	Si
777	-27174	9370	-110364	SLE RA 12	-54.7	-27174	9370	-110364	SLE RA 12	-811.9	Si
806	8242	-2363	-110275	SLE RA 13	-53.1	8242	-2363	-110275	SLE RA 13	-794	Si
835	37226	-13680	-110144	SLE RA 13	-55.4	37226	-13680	-110144	SLE RA 13	-820	Si
864	66209	-24998	-110014	SLE RA 13	-57.8	66209	-24998	-110014	SLE RA 13	-846	Si
893	95193	-36315	-109883	SLE RA 13	-60.1	95193	-36315	-109883	SLE RA 13	-872	Si
922	121864	-49693	-109712	SLE RA 12	-62.5	121864	-49693	-109712	SLE RA 12	-898.2	Si
951	151672	-61505	-109581	SLE RA 12	-64.8	151672	-61505	-109581	SLE RA 12	-923.3	Si
980	181479	-73318	-109451	SLE RA 12	-63.8	181479	-73318	-109451	SLE RA 12	-903.1	Si
1000	-128995	59818	-83039	SLE RA 13	-61.1	-128995	59818	-83039	SLE RA 13	-854.9	Si
1029	-102639	49407	-82930	SLE RA 13	-59.3	-102639	49407	-82930	SLE RA 13	-838.1	Si
1058	-76283	38997	-82821	SLE RA 13	-57.1	-76283	38997	-82821	SLE RA 13	-816.8	Si
1087	-49926	28587	-82712	SLE RA 13	-54.1	-49926	28587	-82712	SLE RA 13	-783.4	Si
1116	-23570	18177	-82604	SLE RA 13	-51.1	-23570	18177	-82604	SLE RA 13	-750.1	Si
1145	2786	7766	-82495	SLE RA 13	-48.4	2786	7766	-82495	SLE RA 13	-721.2	Si
1174	29180	-3171	-82354	SLE RA 12	-49.6	29180	-3171	-82354	SLE RA 12	-736.4	Si
1203	55126	-13957	-82246	SLE RA 12	-52.6	55126	-13957	-82246	SLE RA 12	-768	Si
1232	81072	-24742	-82137	SLE RA 12	-55.5	81072	-24742	-82137	SLE RA 12	-799.6	Si
1261	107018	-35528	-82028	SLE RA 12	-58.4	107018	-35528	-82028	SLE RA 12	-831.1	Si
1290	132964	-46314	-81919	SLE RA 12	-61.3	132964	-46314	-81919	SLE RA 12	-862.7	Si
1310	-136249	77333	-55243	SLE RA 12	-49.6	-136249	77333	-55243	SLE RA 12	-668.7	Si
1339	-106342	55305	-55134	SLE RA 12	-45.1	-106342	55305	-55134	SLE RA 12	-620	Si
1368	-76435	33277	-55025	SLE RA 12	-40.5	-76435	33277	-55025	SLE RA 12	-571.4	Si
1397	-46528	11249	-54916	SLE RA 12	-36	-46528	11249	-54916	SLE RA 12	-522.7	Si
1426	-16466	-10936	-54829	SLE RA 13	-33.8	-16466	-10936	-54829	SLE RA 13	-497.3	Si
1455	13889	-32601	-54720	SLE RA 13	-36	13889	-32601	-54720	SLE RA 13	-517.5	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1484	44244	-54265	-54611	SLE RA 13	-40.4	44244	-54265	-54611	SLE RA 13	-564.2	Si
1513	74600	-75929	-54503	SLE RA 13	-44.8	74600	-75929	-54503	SLE RA 13	-611	Si
1542	104955	-97594	-54394	SLE RA 13	-49.2	104955	-97594	-54394	SLE RA 13	-657.8	Si
1571	132914	-120919	-54264	SLE RA 12	-53.6	135310	-119258	-54285	SLE RA 13	-704.5	Si
1600	162821	-142947	-54155	SLE RA 12	-55.1	165665	-140923	-54176	SLE RA 13	-713.9	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	-136817	25844	-146568	SLE QP 2	-66.3	Si
-111	-122825	22246	-146417	SLE QP 2	-65.5	Si
-81	-108591	18585	-146262	SLE QP 2	-64.6	Si
-52	-94357	14924	-146108	SLE QP 2	-63.8	Si
-22	-80123	11264	-145953	SLE QP 2	-62.9	Si
7	-65890	7603	-145799	SLE QP 2	-62.1	Si
36	-51656	3942	-145645	SLE QP 2	-61.3	Si
66	-37422	281	-145490	SLE QP 2	-60.4	Si
95	-23188	-3379	-145336	SLE QP 2	-60.1	Si
125	-8811	-7077	-145180	SLE QP 2	-59.8	Si
154	5280	-10701	-145027	SLE QP 2	-59.9	Si
184	19514	-14362	-144872	SLE QP 2	-60.6	Si
213	33534	-17967	-144720	SLE QP 2	-61.3	Si
242	47982	-21683	-144564	SLE QP 2	-62.1	Si
272	62216	-25344	-144409	SLE QP 2	-62.8	Si
301	76450	-29004	-144255	SLE QP 2	-63.5	Si
331	90684	-32665	-144100	SLE QP 2	-64.2	Si
360	104676	-36264	-143949	SLE QP 2	-64.9	Si
380	-184996	61100	-119630	SLE QP 2	-59.8	Si
409	-152676	51396	-119477	SLE QP 2	-57.8	Si
438	-120356	41693	-119325	SLE QP 2	-55.9	Si
467	-88036	31990	-119173	SLE QP 2	-54	Si
496	-55716	22287	-119021	SLE QP 2	-52	Si
525	-23397	12584	-118868	SLE QP 2	-50.1	Si
554	8923	2881	-118716	SLE QP 2	-48.8	Si
583	41243	-6822	-118564	SLE QP 2	-50.1	Si
612	73563	-16525	-118412	SLE QP 2	-51.9	Si
641	105883	-26228	-118259	SLE QP 2	-53.7	Si
670	138202	-35931	-118107	SLE QP 2	-53	Si
690	-107388	32776	-93126	SLE QP 2	-51	Si
719	-80214	23924	-92996	SLE QP 2	-49.6	Si
748	-53040	15073	-92865	SLE QP 2	-48.1	Si
777	-25866	6221	-92735	SLE QP 2	-45.9	Si
806	1309	-2630	-92604	SLE QP 2	-44.4	Si
835	28483	-11482	-92474	SLE QP 2	-46.4	Si
864	55657	-20333	-92343	SLE QP 2	-48.4	Si
893	82831	-29185	-92213	SLE QP 2	-50.5	Si
922	110005	-38036	-92082	SLE QP 2	-52.5	Si
951	137179	-46888	-91952	SLE QP 2	-54.4	Si
980	164354	-55739	-91821	SLE QP 2	-53.5	Si
1000	-116798	46638	-68407	SLE QP 2	-50.8	Si
1029	-92791	38505	-68298	SLE QP 2	-49.1	Si
1058	-68784	30373	-68190	SLE QP 2	-47.2	Si
1087	-44777	22241	-68081	SLE QP 2	-44.6	Si
1116	-20770	14108	-67972	SLE QP 2	-42	Si
1145	3237	5976	-67863	SLE QP 2	-39.9	Si
1174	27244	-2156	-67755	SLE QP 2	-41	Si
1203	51251	-10288	-67646	SLE QP 2	-43.5	Si
1232	75258	-18421	-67537	SLE QP 2	-46	Si
1261	99264	-26553	-67428	SLE QP 2	-48.5	Si
1290	123271	-34685	-67320	SLE QP 2	-50.9	Si
1310	-122244	59210	-43697	SLE QP 2	-40	Si
1339	-95939	42281	-43588	SLE QP 2	-36.3	Si
1368	-69635	25353	-43479	SLE QP 2	-32.5	Si
1397	-43330	8424	-43371	SLE QP 2	-28.8	Si
1426	-17025	-8505	-43262	SLE QP 2	-27	Si
1455	9279	-25434	-43153	SLE QP 2	-28.2	Si
1484	35584	-42363	-43044	SLE QP 2	-31.8	Si
1513	61888	-59292	-42936	SLE QP 2	-35.5	Si
1542	88193	-76221	-42827	SLE QP 2	-39.1	Si
1571	114498	-93150	-42718	SLE QP 2	-42.7	Si
1600	140802	-110078	-42609	SLE QP 2	-44	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

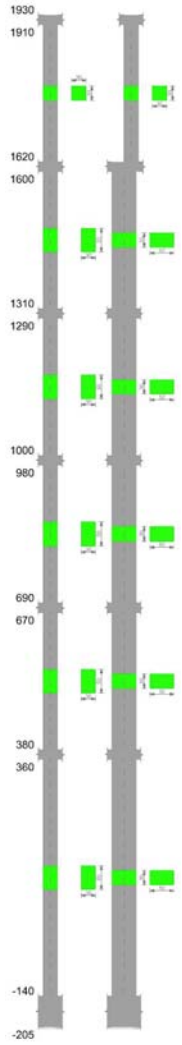
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.

Pilastro 39A

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x50	No	No	No	No		C30/37	B450C	
380	670	R 30x50	No	No	No	No		C30/37	B450C	
690	980	R 30x50	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	
1620	1910	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.67	-19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.67	19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.67	19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.9	-6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.9	6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.9	-6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.9	6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.2	-9.67	-19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.67	-19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.67	19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.67	19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.9	-6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.9	6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.9	-6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.9	6.9	1.6	2.011	-140	380	R 30x50	B450C
p.3	-9.67	-19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	9.67	-19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	9.67	19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.67	19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.9	-6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.9	6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	9.9	-6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	9.9	6.9	1.6	2.011	380	690	R 30x50	B450C
p.4	-9.67	-19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.67	-19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.67	19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.67	19.67	1.6	2.011	690	1000	R 30x50	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.4	-9.9	-6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.9	6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.9	-6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.9	6.9	1.6	2.011	690	1000	R 30x50	B450C
p.5	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.5	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.6	-9.67	-19.67	1.6	2.011	1310.1	1620	R 30x50	B450C
p.6	9.67	-19.67	1.6	2.011	1310.1	1620	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1310.1	1620	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1310.1	1620	R 30x50	B450C
p.9	-9.9	-6.9	1.6	2.011	1310.1	1620	R 30x50	B450C
p.9	9.9	-6.9	1.6	2.011	1310.1	1620	R 30x50	B450C
p.8	-9.9	6.9	1.6	2.011	1310.1	1620	R 30x50	B450C
p.8	9.9	6.9	1.6	2.011	1310.1	1620	R 30x50	B450C
p.10	-9.67	5.33	1.6	2.011	1620.1	1930	R 30x30_1	B450C
p.10	9.67	5.33	1.6	2.011	1620.1	1930	R 30x30_1	B450C
p.10	9.67	24.67	1.6	2.011	1620.1	1930	R 30x30_1	B450C
p.10	-9.67	24.67	1.6	2.011	1620.1	1930	R 30x30_1	B450C
p.11	-9.9	15	1.6	2.011	1620.1	1930	R 30x30_1	B450C
p.12	9.9	15	1.6	2.011	1620.1	1930	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2.1	0	1,2	349745	349745	-128938	667210	667210	SLU 51	1.908	Si
-111	16.08	2.1	0	1,2	349362	349362	-128797	667210	667210	SLU 51	1.91	Si
-81	16.08	1.1	0	2	348973	348973	-128654	667210	667210	SLU 51	1.912	Si
-52	16.08	1.1	0	2	348584	348584	-128510	667210	667210	SLU 51	1.914	Si
-22	16.08	1.1	0	2	348195	348195	-128367	667210	667210	SLU 51	1.916	Si
7	16.08	1.1	0	2	347807	347807	-128224	667210	667210	SLU 51	1.918	Si
36	16.08	1.1	0	2	347418	347418	-128080	667210	667210	SLU 51	1.92	Si
66	16.08	1.1	0	2	347029	347029	-127937	667210	667210	SLU 51	1.923	Si
95	16.08	1.1	0	2	346640	346640	-127793	667210	667210	SLU 51	1.925	Si
125	16.08	1.1	0	2	-346247	346247	-127649	-667210	667210	SLU 51	1.927	Si
154	16.08	1.1	0	2	-345862	345862	-127507	-667210	667210	SLU 51	1.929	Si
184	16.08	1.1	0	2	-345473	345473	-127363	-667210	667210	SLU 51	1.931	Si
213	16.08	1.1	0	2	-345090	345090	-127222	-667210	667210	SLU 51	1.933	Si
242	16.08	1.1	0	2	-344695	344695	-127077	-667210	667210	SLU 51	1.936	Si
272	16.08	1.1	0	2	-344306	344306	-126933	-667210	667210	SLU 51	1.938	Si
301	16.08	1.1	0	2	-343917	343917	-126790	-667210	667210	SLU 51	1.94	Si
331	16.08	1.1	0	2	-343528	343528	-126646	-667210	667210	SLU 51	1.942	Si
360	16.08	1.1	0	2	-343146	343146	-126505	-667210	667210	SLU 51	1.944	Si
380	16.08	2.1	0	2,3	210256	-280644	-105128	503722	-672353	SLU 51	2.396	Si
409	16.08	2.1	0	2,3	209973	-233911	-104987	521605	-581070	SLU 51	2.484	Si
438	16.08	1.1	0	3	209691	-209691	-104845	530708	-530708	SLU 51	2.531	Si
467	16.08	1.1	0	3	209408	-209408	-104704	530708	-530708	SLU 51	2.534	Si
496	16.08	1.1	0	3	209125	-209125	-104563	530708	-530708	SLU 51	2.538	Si
525	16.08	1.1	0	3	208842	-208842	-104421	530708	-530708	SLU 51	2.541	Si
554	16.08	1.1	0	3	-208560	-208560	-104280	-530708	-530708	SLU 51	2.545	Si
583	16.08	1.1	0	3	-208277	208277	-104138	-530708	530708	SLU 51	2.548	Si
612	16.08	1.1	0	3	-207994	207994	-103997	-530708	530708	SLU 51	2.552	Si
641	16.08	1.1	0	3	-207711	207711	-103856	-530708	530708	SLU 51	2.555	Si
670	16.08	1.1	0	3	-207429	207429	-103714	-530708	530708	SLU 51	2.559	Si
690	16.08	2.1	0	3,4	165419	-165419	-82709	530708	-530708	SLU 51	3.208	Si
719	16.08	2.1	0	3,4	165136	-165136	-82568	530708	-530708	SLU 51	3.214	Si
748	16.08	1.1	0	4	164853	-164853	-82427	530708	-530708	SLU 51	3.219	Si
777	16.08	1.1	0	4	164571	-164571	-82285	530708	-530708	SLU 51	3.225	Si
806	16.08	1.1	0	4	-164288	-164288	-82144	-530708	-530708	SLU 51	3.23	Si
835	16.08	1.1	0	4	-164005	164005	-82003	-530708	530708	SLU 51	3.236	Si
864	16.08	1.1	0	4	-163722	163722	-81861	-530708	530708	SLU 51	3.242	Si
893	16.08	1.1	0	4	-163440	163440	-81720	-530708	530708	SLU 51	3.247	Si
922	16.08	1.1	0	4	-163157	163157	-81578	-530708	530708	SLU 51	3.253	Si
951	16.08	1.1	0	4	-162874	162874	-81437	-530708	530708	SLU 51	3.258	Si
980	16.08	1.1	0	4	-162591	177519	-81296	-523352	571401	SLU 51	3.219	Si
1000	16.08	2.1	0	4,5	118858	-209037	-59429	470959	-828280	SLU 51	3.962	Si
1029	16.08	2.1	0	4,5	118575	-168818	-59288	496582	-706996	SLU 51	4.188	Si
1058	16.08	1.1	0	5	118292	-128600	-59146	523721	-569358	SLU 51	4.427	Si
1087	16.08	1.1	0	5	118010	-118010	-59005	530708	-530708	SLU 51	4.497	Si
1116	16.08	1.1	0	5	117727	-117727	-58863	530708	-530708	SLU 51	4.508	Si
1145	16.08	1.1	0	5	117444	-117444	-58722	530708	-530708	SLU 51	4.519	Si
1174	16.08	1.1	0	5	-117161	117161	-58581	-530708	530708	SLU 51	4.53	Si
1203	16.08	1.1	0	5	-116879	116879	-58439	-530708	530708	SLU 51	4.541	Si
1232	16.08	1.1	0	5	-116596	116596	-58298	-530708	530708	SLU 51	4.552	Si
1261	16.08	1.1	0	5	-116313	152927	-58157	-505333	664406	SLU 51	4.345	Si
1290	16.08	1.1	0	5	-116030	193145	-58015	-478361	796283	SLU 51	4.123	Si
1310	16.08	1.1	0	5	100739	-226879	-36852	508424	-1145046	SLU 51	5.047	Si
1339	16.05	2.1	0	5,6,8,9	73421	-177710	-36711	422071	-1021591	SLU 51	5.749	Si
1368	16.08	1.1	0	6,8,9	73138	-128542	-36569	471054	-827884	SLU 51	6.441	Si
1397	16.08	1.1	0	6,8,9	-72856	-79373	-36428	-523538	-570374	SLU 51	7.186	Si
1426	16.08	1.1	0	6,8,9	-79770	-72562	-36281	-580025	-527613	SLU 52	7.271	Si
1455	16.08	1.1	0	6,8,9	-124401	72290	-36145	-867160	503911	SLU 51	6.971	Si
1484	16.08	1.1	0	6,8,9	-169429	72007	-36004	-1119586	475824	SLU 51	6.608	Si
1513	16.08	1.1	0	6,8,9	-214457	117301	-35862	-1230965	673295	SLU 51	5.74	Si
1542	16.08	1.1	0	6,8,9	-259485	166469	-35721	-1275670	818388	SLU 51	4.916	Si
1571	16.35	1.6	0	6,7,8,9	-304513	215637	-35580	-1289285	912993	SLU 51	4.234	Si
1600	23.38	2.1	0	6,7,8,9	-349541	264806	-35438	-1414481	1071585	SLU 51	4.047	Si
1620	16.08	1.8	0	7,8	161742	156463	-14323	560847	542540	SLU 52	3.468	Si
1649	13.76	3.1	0	7,8,10,11,12	126049	133116	-14240	541753	572126	SLU 52	4.298	Si
1678	12.06	1.3	0	10,11,12	89730	109360	-14155	482341	587863	SLU 52	5.376	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1707	12.06	1.3	0	10,11,12	53410	85603	-14070	380637	610069	SLU 52	7.127	Si
1736	12.06	1.3	0	10,11,12	27970	61847	-13985	258390	571345	SLU 52	9.238	Si
1765	12.06	1.3	0	10,11,12	-27801	38090	-13900	-299149	409875	SLU 52	10.761	Si
1794	12.06	1.3	0	10,11,12	-59561	27344	-13672	-578449	265558	SLU 47	9.712	Si
1823	12.06	1.3	0	10,11,12	-94510	-27174	-13587	-751317	-216023	SLU 47	7.95	Si
1852	12.06	1.3	0	10,11,12	-129458	-33811	-13502	-829866	-216738	SLU 47	6.41	Si
1881	12.06	1.3	0	10,11,12	-164507	-56935	-13561	-812931	-281351	SLU 52	4.942	Si
1910	16.59	2.7	0	10,11,12	-200827	-80692	-13476	-896694	-360289	SLU 52	4.465	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	16.08	2.1	0	1,2	1093334	379763	-74728	-2.02	1.92	1391707	483401	SLV 1	1.273				Si
-111	16.08	2.1	0	1,2	1009498	350729	-74620	-2.02	1.92	1394661	484546	SLV 1	1.382				Si
-81	16.08	1.1	0	2	924261	321200	-74510	-2.02	1.92	1392899	484062	SLV 1	1.507				Si
-52	16.08	1.1	0	2	839092	291682	-74399	-2.02	1.92	1383487	480923	SLV 1	1.649				Si
-22	16.08	1.1	0	2	754016	262180	-74289	-2.02	1.92	1363248	474018	SLV 1	1.808				Si
7	16.08	1.1	0	2	669060	232700	-74179	-2.02	1.92	1328325	461993	SLV 1	1.985				Si
36	16.08	1.1	0	2	584275	203254	-74068	-2.02	1.92	1273366	442971	SLV 1	2.179				Si
66	16.08	1.1	0	2	499771	173873	-73958	-2.02	1.92	1194658	415628	SLV 1	2.39				Si
95	16.08	1.1	0	2	415683	144609	-73848	-2.02	1.92	1087946	378479	SLV 1	2.617				Si
125	16.08	1.1	0	2	-346455	8850	-84221	-2.02	1.92	-984297	25142	SLV 15	2.841				Si
154	16.08	1.1	0	2	-267506	23242	-84111	-2.02	1.92	-797944	69327	SLV 15	2.983				Si
184	16.08	1.1	0	2	-191321	35570	-84001	-2.02	1.92	-599483	111454	SLV 15	3.133				Si
213	16.08	1.1	0	2	-97936	59338	-85129	-2.02	1.92	-312655	189435	SLV 13	3.192				Si
242	16.08	1.1	0	2	-99112	70020	-85017	-2.02	1.92	-316825	223830	SLV 13	3.197				Si
272	16.08	1.1	0	2	-19730	82055	-84907	-2.02	1.92	-63153	262642	SLV 13	3.201				Si
301	16.08	1.1	0	2	184939	108542	-83560	-2.02	1.92	541274	317679	SLV 15	2.927				Si
331	16.08	1.1	0	2	262293	124460	-83450	-2.02	1.92	717455	340438	SLV 15	2.735				Si
360	16.08	1.1	0	2	341058	140183	-83341	-2.02	1.92	874629	359494	SLV 15	2.564				Si
380	16.08	2.1	0	2,3	-322175	-343545	-68787	-2.02	1.92	-740906	-790051	SLV 15	2.3				Si
409	16.08	2.1	0	2,3	-273141	-284136	-68678	-2.02	1.92	-700911	-729124	SLV 15	2.566				Si
438	16.08	1.1	0	3	-226979	-224974	-68569	-2.02	1.92	-647275	-641558	SLV 15	2.852				Si
467	16.08	1.1	0	3	-185955	-166348	-68460	-2.02	1.92	-586288	-524469	SLV 15	3.153				Si
496	16.08	1.1	0	3	-154593	-109238	-68352	-2.02	1.92	-536961	-379426	SLV 15	3.473				Si
525	16.08	1.1	0	3	-140636	-58763	-68243	-2.02	1.92	-529307	-221165	SLV 15	3.764				Si
554	16.08	1.1	0	3	123993	25136	-69192	-2.02	1.92	487012	98727	SLV 13	3.928				Si
583	16.08	1.1	0	3	165158	83729	-68025	-2.02	1.92	590029	299121	SLV 15	3.573				Si
612	16.08	1.1	0	3	200400	141217	-67917	-2.02	1.92	648105	456706	SLV 15	3.234				Si
641	16.08	1.1	0	3	243512	199959	-67808	-2.02	1.92	712001	584659	SLV 15	2.924				Si
670	16.08	1.1	0	3	290830	259171	-67699	-2.02	1.92	765388	682068	SLV 15	2.632				Si
690	16.08	2.1	0	3,4	-221623	-183497	-53489	-2.02	1.92	-768700	-636459	SLV 15	3.469				Si
719	16.08	2.1	0	3,4	138389	-159762	-54271	-2.02	1.92	531448	-613528	SLV 13	3.84				Si
748	16.08	1.1	0	4	185755	-115626	-54162	-2.02	1.92	732012	-455652	SLV 13	3.941				Si
777	16.08	1.1	0	4	169211	-73686	-54053	-2.02	1.92	722682	-314706	SLV 13	4.271				Si
806	16.08	1.1	0	4	170816	-14846	-53054	-2.02	1.92	805545	-70012	SLV 15	4.716				Si
835	16.08	1.1	0	4	189018	46488	-52946	-2.02	1.92	835442	205471	SLV 15	4.42				Si
864	16.08	1.1	0	4	218535	84151	-52837	-2.02	1.92	887986	341934	SLV 15	4.063				Si
893	16.08	1.1	0	4	254837	127009	-52728	-2.02	1.92	940637	468806	SLV 15	3.691				Si
922	16.08	1.1	0	4	295225	171465	-52619	-2.02	1.92	980995	569755	SLV 15	3.323				Si
951	16.08	1.1	0	4	338176	216563	-52511	-2.02	1.92	1005201	643717	SLV 15	2.972				Si
980	16.08	1.1	0	4	382807	261977	-52402	-2.02	1.92	1014297	694142	SLV 15	2.65				Si
1000	16.08	2.1	0	4,5	296395	-257856	-38354	-2.02	1.92	910430	-792049	SLV 13	3.072				Si
1029	16.08	2.1	0	4,5	242862	-205677	-38245	-2.02	1.92	895600	-758476	SLV 13	3.688				Si
1058	16.08	1.1	0	5	196767	-153922	-38136	-2.02	1.92	865581	-677107	SLV 13	4.399				Si
1087	16.08	1.1	0	5	163965	-103305	-38028	-2.02	1.92	840875	-529789	SLV 13	5.128				Si
1116	16.08	1.1	0	5	145277	-37026	-37205	-2.02	1.92	888242	-226383	SLV 15	6.114				Si
1145	16.08	1.1	0	5	163913	23006	-37097	-2.02	1.92	1002766	140745	SLV 15	6.118				Si
1174	16.08	1.1	0	5	195558	67123	-36988	-2.02	1.92	1051372	360874	SLV 15	5.376				Si
1203	16.08	1.1	0	5	238411	117353	-36879	-2.02	1.92	1088013	535552	SLV 15	4.564				Si
1232	16.08	1.1	0	5	287046	168988	-36770	-2.02	1.92	1092195	642988	SLV 15	3.805				Si
1261	16.08	1.1	0	5	338835	221115	-36662	-2.02	1.92	1070506	698584	SLV 15	3.159				Si
1290	16.08	1.1	0	5	392485	273468	-36553	-2.02	1.92	1037530	722909	SLV 15	2.643				Si
1310	16.08	1.1	0	5	229852	-225943	-22965	-2.02	1.92	841635	-827322	SLV 13	3.662				Si
1339	16.05	2.1	0	5,6,8,9	173464	-176030	-22856	-2.02	1.92	829710	-841980	SLV 13	4.783				Si
1368	16.08	1.1	0	6,8,9	129995	-126774	-22747	-2.02	1.92	817851	-797581	SLV 13	6.291				Si
1397	16.08	1.1	0	6,8,9	101215	-75436	-22078	-2.02	1.92	833410	-621146	SLV 15	8.234				Si
1426	16.08	1.1	0	6,8,9	-182763	-41664	-18856	-2.02	1.92	-1472381	-335655	SLV 1	8.056				Si
1455	16.08	1.1	0	6,8,9	-239702	-19911	-18747	-2.02	1.92	-1746695	-145088	SLV 1	7.287				Si
1484	16.08	1.1	0	6,8,9	-304327	-8614	-18638	-2.02	1.92	-1877395	-53138	SLV 1	6.169				Si
1513	16.08	1.1	0	6,8,9	-329622	65351	-20469	-2.02	1.92	-1601366	317488	SLV 5	4.858				Si
1542	16.08	1.1	0	6,8,9	-400361	93796	-20361	-2.02	1.92	-1525698	357438	SLV 5	3.811				Si
1571	16.35	1.6	0	6,7,8,9	-472297	122211	-20252	-2.02	1.92	-1467824	379813	SLV 5	3.108				Si
1600	23.38	2.1	0	6,7,8,9	-544945	150612	-20143	-2.02	1.92	-1574883	435265	SLV 5	2.89				Si
1620	16.08	1.8	0	7,8	136553	224661	-8784	-2.02	1.92	228083	375249	SLV 15	1.67				Si
1649	13.76	3.1	0	7,8,10,11,12	106288	191852	-8720	-2.02	1.92	231343	417578	SLV 15	2.177				Si
1678	12.06	1.3	0	10,11,12	75981	159831	-8655	-2.02	1.92	244601	514534	SLV 15	3.219				Si
1707	12.06	1.3	0	10,11,12	-510	130170	-8589	-2.02	1.92	-2737	698579	SLV 15	5.367				Si
1736	12.06	1.3	0	10,11,12	-10983	104681	-8524	-2.02	1.92	-69143	659021	SLV 15	6.296				Si
1765	12.06	1.3	0	10,11,12	-29903	85934	-8459	-2.02	1.92	-200778	576986	SLV 15	6.714				Si
1794	12.06	1.3	0	10,11,12	-57879	75467	-8394	-2.02	1.92	-354239	461885	SLV 15	6.12				Si
1823	12.06	1.3	0	10,11,12	-87872	72276	-8328	-2.02	1.92	-450090	370206	SLV 15	5.122				Si
1852	12.06	1.3	0	10,11,12	-70625	-116524	-7799	-2.02	1.92	-293278	-483882	SLV 5	4.153				Si
1881	12.06	1.3	0	10,11,12	-162012	-139504	-8405	-2.02	1.92	-418598	-360444	SLV 13	2.584				Si
1910	16.59	2.7	0	10,11,12	-195788	-172130	-8339	-2.02	1.92	-466197	-409864	SLV 13	2.381				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2.1	0	1,2	428535	223436	-77925	997956	520330	SLD 1	2.329	Si
-111	16.08	2.1	0	1,2	395079	208006	-77817	956005	503330	SLD 1	2.42	Si
-81	16.08	1.1	0	2	361066	192313	-77706	908211	483737	SLD 1	2.515	Si
-52	16.08	1.1	0	2	327083	176625	-77596	855192	461804	SLD 1	2.615	Si
-22	16.08	1.1	0	2	293141	160944	-77486	796789	437464	SLD 1	2.718	Si
7	16.08	1.1	0	2	259253	145275	-77375	732969	410725	SLD 1	2.827	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
36	16.08	1.1	0	2	225441	129621	-77265	663854	381694	SLD 1	2.945	Si
66	16.08	1.1	0	2	191754	113999	-77155	589058	350200	SLD 1	3.072	Si
95	16.08	1.1	0	2	158252	98434	-77045	507984	315970	SLD 1	3.21	Si
125	16.08	1.1	0	2	-94671	44395	-81513	-315639	148016	SLD 13	3.334	Si
154	16.08	1.1	0	2	-76549	44816	-81404	-255559	149620	SLD 13	3.339	Si
184	16.08	1.1	0	2	-59341	44495	-81294	-198378	148748	SLD 13	3.343	Si
213	16.08	1.1	0	2	-44897	49132	-81185	-150294	164469	SLD 13	3.348	Si
242	16.08	1.1	0	2	-47734	49078	-81073	-160011	164518	SLD 13	3.352	Si
272	16.08	1.1	0	2	-16188	49662	-80963	-54340	166701	SLD 13	3.357	Si
301	16.08	1.1	0	2	33928	50399	-80853	114041	169405	SLD 13	3.361	Si
331	16.08	1.1	0	2	51310	51193	-80742	172703	172308	SLD 13	3.366	Si
360	16.08	1.1	0	2	125673	60800	-80144	419539	202972	SLD 15	3.338	Si
380	16.08	2.1	0	2,3	-104681	-239388	-66235	-324781	-742717	SLD 15	3.103	Si
409	16.08	2.1	0	2,3	-89749	-198775	-66126	-296846	-657451	SLD 15	3.308	Si
438	16.08	1.1	0	3	-75996	-158275	-66017	-268621	-559452	SLD 15	3.535	Si
467	16.08	1.1	0	3	-64324	-118014	-65909	-243655	-447027	SLD 15	3.788	Si
496	16.08	1.1	0	3	-56487	-78412	-65800	-229439	-318499	SLD 15	4.062	Si
525	16.08	1.1	0	3	-40939	-38677	-66115	-168284	-158985	SLD 13	4.111	Si
554	16.08	1.1	0	3	47356	9644	-66006	194982	39709	SLD 13	4.117	Si
583	16.08	1.1	0	3	43459	46430	-65897	179230	191483	SLD 13	4.124	Si
612	16.08	1.1	0	3	69538	89874	-65365	275759	356402	SLD 15	3.966	Si
641	16.08	1.1	0	3	81987	130183	-65256	303132	481329	SLD 15	3.697	Si
670	16.08	1.1	0	3	96175	170703	-65147	332415	590012	SLD 15	3.456	Si
690	16.08	2.1	0	3,4	-76989	-122762	-51488	-343755	-548130	SLD 15	4.465	Si
719	16.08	2.1	0	3,4	62990	-102225	-51738	294856	-478514	SLD 13	4.681	Si
748	16.08	1.1	0	4	78237	-73337	-51629	381285	-357404	SLD 13	4.873	Si
777	16.08	1.1	0	4	68048	-45313	-51521	354701	-236195	SLD 13	5.212	Si
806	16.08	1.1	0	4	49568	-12596	-51412	262022	-66583	SLD 13	5.286	Si
835	16.08	1.1	0	4	49950	23405	-51303	264603	123984	SLD 13	5.297	Si
864	16.08	1.1	0	4	75611	51622	-50835	390038	266290	SLD 15	5.158	Si
893	16.08	1.1	0	4	85959	79963	-50726	415882	386873	SLD 15	4.838	Si
922	16.08	1.1	0	4	97976	108963	-50618	444738	494611	SLD 15	4.539	Si
951	16.08	1.1	0	4	111044	138228	-50509	473897	589908	SLD 15	4.268	Si
980	16.08	1.1	0	4	124801	167622	-50400	501370	673395	SLD 15	4.017	Si
1000	16.08	2.1	0	4,5	130479	-178718	-36522	601032	-823233	SLD 13	4.606	Si
1029	16.08	2.1	0	4,5	107480	-143185	-36413	555519	-740061	SLD 13	5.169	Si
1058	16.08	1.1	0	5	87419	-107825	-36304	503976	-621623	SLD 13	5.765	Si
1087	16.08	1.1	0	5	72472	-72928	-36196	464197	-467123	SLD 13	6.405	Si
1116	16.08	1.1	0	5	62259	-31761	-35796	454680	-231953	SLD 15	7.303	Si
1145	16.08	1.1	0	5	49917	5359	-35978	377059	40478	SLD 13	7.554	Si
1174	16.08	1.1	0	5	76369	39336	-35579	536349	276261	SLD 15	7.023	Si
1203	16.08	1.1	0	5	90249	74080	-35470	570067	467931	SLD 15	6.317	Si
1232	16.08	1.1	0	5	106641	109391	-35361	607332	622997	SLD 15	5.695	Si
1261	16.08	1.1	0	5	124429	144904	-35253	636989	741804	SLD 15	5.119	Si
1290	16.08	1.1	0	5	143046	180508	-35144	654971	826501	SLD 15	4.579	Si
1310	16.08	1.1	0	5	128848	-168260	-21697	696057	-908966	SLD 13	5.402	Si
1339	16.05	2.1	0	5,6,8,9	92047	-132222	-21588	622158	-893712	SLD 13	6.759	Si
1368	16.08	1.1	0	6,8,9	60038	-96463	-21480	504943	-811296	SLD 13	8.41	Si
1397	16.08	1.1	0	6,8,9	33038	-59790	-21139	344071	-622666	SLD 15	10.414	Si
1426	16.08	1.1	0	6,8,9	-100226	-30212	-19795	-1040425	-313624	SLD 1	10.381	Si
1455	16.08	1.1	0	6,8,9	-136110	-4977	-19686	-1397540	-51098	SLD 1	10.268	Si
1484	16.08	1.1	0	6,8,9	-158943	33945	-20361	-1370789	292752	SLD 5	8.624	Si
1513	16.08	1.1	0	6,8,9	-199769	61647	-20253	-1395822	430735	SLD 5	6.987	Si
1542	16.08	1.1	0	6,8,9	-241791	89323	-20144	-1364111	503933	SLD 5	5.642	Si
1571	16.35	1.6	0	6,7,8,9	-284470	116990	-20035	-1316386	541371	SLD 5	4.628	Si
1600	23.38	2.1	0	6,7,8,9	-327544	144653	-19926	-1384823	611578	SLD 5	4.228	Si
1620	16.08	1.8	0	7,8	106085	151411	-8423	284057	405423	SLD 15	2.678	Si
1649	13.76	3.1	0	7,8,10,11,12	82490	128575	-8359	298504	465274	SLD 15	3.619	Si
1678	12.06	1.3	0	10,11,12	58662	105828	-8294	279896	504942	SLD 15	4.771	Si
1707	12.06	1.3	0	10,11,12	14435	83976	-8228	109321	635967	SLD 15	7.573	Si
1736	12.06	1.3	0	10,11,12	-665	63885	-8163	-6990	671272	SLD 15	10.508	Si
1765	12.06	1.3	0	10,11,12	-19198	47136	-8098	-217529	534094	SLD 15	11.331	Si
1794	12.06	1.3	0	10,11,12	-41836	35103	-8033	-439542	368798	SLD 15	10.506	Si
1823	12.06	1.3	0	10,11,12	-65430	27269	-7967	-584282	243508	SLD 15	8.93	Si
1852	12.06	1.3	0	10,11,12	-70774	-60364	-7719	-446418	-380754	SLD 5	6.308	Si
1881	12.06	1.3	0	10,11,12	-118828	-78780	-7919	-485783	-322060	SLD 13	4.088	Si
1910	16.59	2.7	0	10,11,12	-144180	-101656	-7854	-527117	-371651	SLD 13	3.656	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	-346	-128938	SLU 51	12805	42315	43268	2.4	122.19	-174	-128934	SLU 52	12600	39534	45230	2.5	226.86	Si
-111	4X/2Y Ø8/10	-346	-128797	SLU 51	12805	42315	43268	2.4	122.19	-174	-128793	SLU 52	12600	39534	45230	2.5	226.86	Si
-81	4X/2Y Ø8/10	-346	-128654	SLU 51	12805	42315	43268	2.4	122.19	-174	-128650	SLU 52	12600	39534	45230	2.5	226.86	Si
-52	4X/2Y Ø8/10	-346	-128510	SLU 51	12805	42315	43268	2.4	122.19	-174	-128506	SLU 52	12600	39534	45230	2.5	226.86	Si
-22	4X/2Y Ø8/15	-346	-128367	SLU 51	12805	29386	42024	2.5	84.86	-174	-128363	SLU 52	12600	26356	45230	2.5	151.24	Si
7	4X/2Y Ø8/15	-346	-128224	SLU 51	12805	29386	42024	2.5	84.86	-174	-128219	SLU 52	12600	26356	45230	2.5	151.24	Si
36	4X/2Y Ø8/15	-346	-128080	SLU 51	12805	29386	42024	2.5	84.86	-174	-128076	SLU 52	12600	26356	45230	2.5	151.24	Si
66	4X/2Y Ø8/15	-346	-127937	SLU 51	12805	29386	42024	2.5	84.86	-174	-127933	SLU 52	12600	26356	45230	2.5	151.24	Si
95	4X/2Y Ø8/15	-346	-127793	SLU 51	12805	29386	42024	2.5	84.86	-174	-127789	SLU 52	12600	26356	45230	2.5	151.24	Si
125	4X/2Y Ø8/15	-346	-127649	SLU 51	12805	29386	42024	2.5	84.86	-174	-127644	SLU 52	12600	26356	45230	2.5	151.24	Si
154	4X/2Y Ø8/15	-346	-127507	SLU 51	12805	29386	42024	2.5	84.86	-174	-127503	SLU 52	12600	26356	45230	2.5	151.24	Si
184	4X/2Y Ø8/15	-346	-127363	SLU 51	12805	29386	42024	2.5	84.86	-174	-127359	SLU 52	12600	26356	45230	2.5	151.24	Si
213	4X/2Y Ø8/15	-346	-127222	SLU 51	12805	29386	42024	2.5	84.86	-174	-127218	SLU 52	12600	26356	45230	2.5	151.24	Si
242	4X/2Y Ø8/10	-346	-127077	SLU 51	12805	42315	43268	2.4	122.19	-174	-127072	SLU 52	12600	39534	45230	2.5	226.86	Si
272	4X/2Y Ø8/10	-346	-126933	SLU 51	12805	42315	43268	2.4	122.19	-174	-126929	SLU 52	12600	39534	45230	2.5	226.86	Si
301	4X/2Y Ø8/10	-346	-126790	SLU 51	12805	42315	43268	2.4	122.19	-174	-126786	SLU 52	12600	39534	45230	2.5	226.86	Si
331	4X/2Y Ø8/10	-346	-126646	SLU 51	12805	42315	43268	2.4	122.19	-174	-126642	SLU 52	12600	39534	45230	2.5	226.86	Si
360	4X/2Y Ø8/10	-346	-126505	SLU 51	12805	42315	43268	2.4	122.19	-174	-126501	SLU 52	12600	39534	45230	2.5	226.86	Si
380	4X/2Y Ø8/10	1611	-105128	SLU 51	12805	42315	43268	2.4	26.26	-392	-104116	SLU 49	12600	39534	45230	2.5	100.91	Si
409	4X/2Y Ø8/10	1611	-104987	SLU 51	12805	42315	43268	2.4	26.26	-392	-103975	SLU 49	12600	39534	45230	2.5	100.91	Si
438	4X/2Y Ø8/10	1611	-104845	SLU 51	12805	42315	43268	2.4	26.26	-392	-103834	SLU 49	12600	39534	45230	2.5	100.91	Si
467	4X/2Y Ø8/14.4	1611	-104704	SLU 51	12805	30516	42024	2.5	18.94	-392	-103692	SLU 49	12600	27370	45230	2.5	69.86	Si
496	4X/2Y Ø8/14.4	1611	-104563	SLU 51	12805	30516	42024	2.5	18.94	-392	-103551	SLU 49	12600	27370	45230	2.5	69.86	Si
525	4X/2Y Ø8/14.4	1611	-104421	SLU 51	12805	30516	42024	2.5	18.94	-392	-103410	SLU 49	12600	27370	45230	2.5	69.86	Si
554	4X/2Y Ø8/14.4	1611	-104280	SLU 51	12805	30516	42024	2.5	18.94	-392	-103268	SLU 49	12600	27370	45230	2.5	69.86	Si
583	4X/2Y Ø8/14.4	1611	-104138	SLU 51	12805	30516	42024	2.5	18.94	-392	-103127	SLU 49	12600	27370	45230	2.5	69.86	Si
612	4X/2Y Ø8/10	1611	-103997	SLU 51	12805	42315	43268	2.4	26.26	-392	-102985	SLU 49	12600	39534	45230	2.5	100.91	Si
641	4X/2Y Ø8/10	1611	-103856	SLU 51	12805	42315	43268	2.4	26.26	-392	-102844	SLU 49	12600	39534	45230	2.5	100.91	Si
670	4X/2Y Ø8/10	1611	-103714	SLU 51	12805	42315	43268	2.4	26.26	-392	-102703	SLU 49	12600	39534	45230	2.5	100.91	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
690	4X/2Y Ø8/10	1098	-82687	SLU 52	12805	42315	43268	2.4	38.53	-400	-82709	SLU 51	12600	39534	45230	2.5	98.84	Si
719	4X/2Y Ø8/10	1098	-82546	SLU 52	12805	42315	43268	2.4	38.53	-400	-82568	SLU 51	12600	39534	45230	2.5	98.84	Si
748	4X/2Y Ø8/10	1098	-82404	SLU 52	12805	42315	43268	2.4	38.53	-400	-82427	SLU 51	12600	39534	45230	2.5	98.84	Si
777	4X/2Y Ø8/14.4	1098	-82263	SLU 52	12805	30516	42024	2.5	27.78	-400	-82285	SLU 51	12600	27370	45230	2.5	68.43	Si
806	4X/2Y Ø8/14.4	1098	-82122	SLU 52	12805	30516	42024	2.5	27.78	-400	-82144	SLU 51	12600	27370	45230	2.5	68.43	Si
835	4X/2Y Ø8/14.4	1098	-81980	SLU 52	12805	30516	42024	2.5	27.78	-400	-82003	SLU 51	12600	27370	45230	2.5	68.43	Si
864	4X/2Y Ø8/14.4	1098	-81839	SLU 52	12805	30516	42024	2.5	27.78	-400	-81861	SLU 51	12600	27370	45230	2.5	68.43	Si
893	4X/2Y Ø8/14.4	1098	-81698	SLU 52	12805	30516	42024	2.5	27.78	-400	-81720	SLU 51	12600	27370	45230	2.5	68.43	Si
922	4X/2Y Ø8/10	1098	-81556	SLU 52	12805	42315	43268	2.4	38.53	-400	-81578	SLU 51	12600	39534	45230	2.5	98.84	Si
951	4X/2Y Ø8/10	1098	-81415	SLU 52	12805	42315	43268	2.4	38.53	-400	-81437	SLU 51	12600	39534	45230	2.5	98.84	Si
980	4X/2Y Ø8/10	1098	-81273	SLU 52	12805	42315	43268	2.4	38.53	-400	-81296	SLU 51	12600	39534	45230	2.5	98.84	Si
1000	4X/2Y Ø8/10	1387	-59429	SLU 51	12805	42315	42495	2.4	30.51	-241	-58388	SLU 49	12600	39534	44278	2.5	163.82	Si
1029	4X/2Y Ø8/10	1387	-59288	SLU 51	12805	42315	42476	2.4	30.51	-241	-58247	SLU 49	12600	39534	44258	2.5	163.82	Si
1058	4X/2Y Ø8/10	1387	-59146	SLU 51	12805	42315	42457	2.4	30.51	-241	-58105	SLU 49	12600	39534	44238	2.5	163.82	Si
1087	4X/2Y Ø8/14.4	1387	-59005	SLU 51	12805	30516	41219	2.5	22	-241	-57964	SLU 49	12600	27370	44219	2.5	113.42	Si
1116	4X/2Y Ø8/14.4	1387	-58863	SLU 51	12805	30516	41201	2.5	22	-241	-57823	SLU 49	12600	27370	44199	2.5	113.42	Si
1145	4X/2Y Ø8/14.4	1387	-58722	SLU 51	12805	30516	41183	2.5	22	-241	-57681	SLU 49	12600	27370	44180	2.5	113.42	Si
1174	4X/2Y Ø8/14.4	1387	-58581	SLU 51	12805	30516	41164	2.5	22	-241	-57540	SLU 49	12600	27370	44160	2.5	113.42	Si
1203	4X/2Y Ø8/14.4	1387	-58439	SLU 51	12805	30516	41146	2.5	22	-241	-57398	SLU 49	12600	27370	44141	2.5	113.42	Si
1232	4X/2Y Ø8/10	1383	-57257	SLU 49	12805	41434	42832	2.35	29.97	-241	-57257	SLU 49	12600	39534	44121	2.5	163.82	Si
1261	4X/2Y Ø8/10	1383	-57116	SLU 49	12805	41434	42813	2.35	29.97	-241	-57116	SLU 49	12600	39534	44101	2.5	163.82	Si
1290	4X/2Y Ø8/10	1387	-58015	SLU 51	12805	41434	42934	2.35	29.88	-241	-56974	SLU 49	12600	39534	44082	2.5	163.82	Si
1310	4X/2Y Ø8/10	1700	-35795	SLU 49	10762	39671	41146	2.25	23.34	-1553	-36852	SLU 51	10543	39534	41292	2.5	25.46	Si
1339	4X/2Y Ø8/10	1700	-35654	SLU 49	10744	39671	41127	2.25	23.34	-1553	-36711	SLU 51	10524	39534	41273	2.5	25.46	Si
1368	4X/2Y Ø8/10	1700	-35513	SLU 49	10727	39671	41107	2.25	23.34	-1553	-36569	SLU 51	10505	39534	41253	2.5	25.46	Si
1397	4X/2Y Ø8/14.4	1700	-35371	SLU 49	10709	30516	38175	2.5	17.95	-1553	-36428	SLU 51	10486	27370	41234	2.5	17.63	Si
1426	4X/2Y Ø8/14.4	1700	-35230	SLU 49	10691	30516	38157	2.5	17.95	-1553	-36286	SLU 51	10467	27370	41214	2.5	17.63	Si
1455	4X/2Y Ø8/14.4	1700	-35089	SLU 49	10674	30516	38139	2.5	17.95	-1553	-36145	SLU 51	10448	27370	41194	2.5	17.63	Si
1484	4X/2Y Ø8/14.4	1700	-34947	SLU 49	10656	30516	38120	2.5	17.95	-1553	-36004	SLU 51	10429	27370	41175	2.5	17.63	Si
1513	4X/2Y Ø8/14.4	1700	-34806	SLU 49	10639	30516	38102	2.5	17.95	-1553	-35862	SLU 51	10410	27370	41155	2.5	17.63	Si
1542	4X/2Y Ø8/10	1700	-34664	SLU 49	10621	39671	40989	2.25	23.34	-1553	-35721	SLU 51	10391	39534	41136	2.5	25.46	Si
1571	4X/2Y Ø8/10	1700	-34523	SLU 49	10603	39671	40970	2.25	23.34	-1553	-35580	SLU 51	10372	39534	41116	2.5	25.46	Si
1600	4X/2Y Ø8/10	1700	-34382	SLU 49	10586	39671	40950	2.25	23.34	-1553	-35438	SLU 51	10353	39534	41096	2.5	25.46	Si
1620	2X/2Y Ø8/10	-819	-14323	SLU 52	4645	17058	17643	2.45	20.82	-1252	-14323	SLU 52	5566	21598	22339	2.45	17.25	Si
1649	2X/2Y Ø8/10	-819	-14240	SLU 52	5516	21395	22118	2.45	26.12	-1252	-14240	SLU 52	5556	21598	22328	2.45	17.25	Si
1678	2X/2Y Ø8/10	-819	-14155	SLU 52	5506	21395	22107	2.45	26.12	-1252	-14155	SLU 52	5545	21598	22317	2.45	17.25	Si
1707	2X/2Y Ø8/10	-819	-14070	SLU 52	5495	21395	22096	2.45	26.12	-1252	-14070	SLU 52	5535	21598	22306	2.45	17.25	Si
1736	2X/2Y Ø8/10	-819	-13985	SLU 52	5485	21395	22085	2.45	26.12	-1252	-13985	SLU 52	5524	21598	22295	2.45	17.25	Si
1765	2X/2Y Ø8/10	-819	-13900	SLU 52	5475	21395	22074	2.45	26.12	-1252	-13900	SLU 52	5514	21598	22283	2.45	17.25	Si
1794	2X/2Y Ø8/10	-819	-13815	SLU 52	5464	21395	22063	2.45	26.12	-1252	-13815	SLU 52	5503	21598	22272	2.45	17.25	Si
1823	2X/2Y Ø8/10	-819	-13731	SLU 52	5454	21395	22052	2.45	26.12	-1252	-13731	SLU 52	5493	21598	22261	2.45	17.25	Si
1852	2X/2Y Ø8/10	-819	-13646	SLU 52	5443	21395	22041	2.45	26.12	-1252	-13646	SLU 52	5482	21598	22250	2.45	17.25	Si
1881	2X/2Y Ø8/10	-819	-13561	SLU 52	5433	21395	22030	2.45	26.12	-1252	-13561	SLU 52	5472	21598	22239	2.45	17.25	Si
1910	2X/2Y Ø8/10	-819	-13476	SLU 52	5422	21395	22019	2.45	26.12	-1252	-13476	SLU 52	5461	21598	22228	2.45	17.25	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	-1005	-74728	SLV 1	12805	42315	43268	2.4	42.08	-2909	-74728	SLV 1	12600	39534	45230	2.5	13.59	Si
-111	4X/2Y Ø8/10	-1005	-74620	SLV 1	12805	42315	43268	2.4	42.08	-2909	-74620	SLV 1	12600	39534	45230	2.5	13.59	Si
-81	4X/2Y Ø8/10	-1005	-74510	SLV 1	12805	42315	43268	2.4	42.08	-2909	-74510	SLV 1	12600	39534	45230	2.5	13.59	Si
-52	4X/2Y Ø8/10	-1005	-74399	SLV 1	12805	42315	43268	2.4	42.08	-2909	-74399	SLV 1	12600	39534	45230	2.5	13.59	Si
-22	4X/2Y Ø8/15	-1005	-74289	SLV 1	12805	29386	42024	2.5	29.23	-2909	-74289	SLV 1	12600	26356	45230	2.5	9.06	Si
7	4X/2Y Ø8/15	-1005	-74179	SLV 1	12805	29386	42024	2.5	29.23	-2909	-74179	SLV 1	12600	26356	45230	2.5	9.06	Si
36	4X/2Y Ø8/15	-1005	-74068	SLV 1	12805	29386	42024	2.5	29.23	-2909	-74068	SLV 1	12600	26356	45230	2.5	9.06	Si
66	4X/2Y Ø8/15	-1005	-73958	SLV 1	12805	29386	42024	2.5	29.23	-2909	-73958	SLV 1	12600	26356	45230	2.5	9.06	Si
95	4X/2Y Ø8/15	-1005	-73848	SLV 1	12805	29386	42024	2.5	29.23	-2909	-73848	SLV 1	12600	26356	45230	2.5	9.06	Si
125	4X/2Y Ø8/15	-1005	-73736	SLV 1	12805	29386	42024	2.5	29.23	-2909	-73736	SLV 1	12600	26356	45230	2.5	9.06	Si
154	4X/2Y Ø8/15	-1005	-73627	SLV 1	12805	29386	42024	2.5	29.23	-2909	-73627	SLV 1	12600	26356	45230	2.5	9.06	Si
184	4X/2Y Ø8/15	-1005	-73517	SLV 1	12805	29386	42024	2.5	29.23	-2909	-73517	SLV 1	12600	26356	45230	2.5	9.06	Si
213	4X/2Y Ø8/15	-1005	-73408	SLV 1	12805	29386	42024	2.5	29.23	-2909	-73408	SLV 1	12600	26356	45230	2.5	9.06	Si
242	4X/2Y Ø8/10	-1005	-73296	SLV 1	12805	42315	43268	2.4	42.08	-2909	-73296	SLV 1	12600	39534	45230	2.5	13.59	Si
272	4X/2Y Ø8/10	-1005	-73186	SLV 1	12805	42315	43268	2.4	42.08	-2909	-73186	SLV 1	12600	39534	45230	2.5	13.59	Si
301	4X/2Y Ø8/10	-1005	-73076	SLV 1	12805	42315	43268	2.4	42.08	-2909	-73076	SLV 1	12600	39534	45230	2.5	13.59	Si
331	4X/2Y Ø8/10	-1005	-72965	SLV 1	12805	42315	43268	2.4	42.08	-2909	-72965	SLV 1	12600	39534	45230	2.5	13.59	Si
360	4X/2Y Ø8/10	-1005	-72857	SLV 1	12805	42315	43268	2.4	42.08	-2909	-72857	SLV 1	12600	39534	45230	2.5	13.59	Si
380	4X/2Y Ø8/10	2064	-68787	SLV 15	12805	42315	43268	2.4	20.51	-2366	-60410	SLV 1	12600	39534	44558	2.5	16.71	Si
409	4X/2Y Ø8/10	2064	-68678	SLV 15	12805	42315	43268	2.4	20.51	-2366	-60301	SLV 1	12600	39534	44543	2.5	16.71	Si
438	4X/2Y Ø8/10	2064	-68569	SLV 15	12805	42315	43268	2.4	20.51	-2366	-60193	SLV 1	12600	39534	44528	2.5	16.71	Si
467	4X/2Y Ø8/14.4	2064	-68460	SLV 15	12805	30516	42024	2.5	14.79	-2366	-60084	SLV 1	12600	27370	44513	2.5	11.57	Si
496	4X/2Y Ø8/14.4	2064	-68352	SLV 15	12805	30516	42024	2.5	14.79	-2366	-59975	SLV 1	12600	27370	44498	2.5	11.57	Si
525	4X/2Y Ø8/14.4	2064	-68243	SLV 15	12805	30516	42024	2.5	14.79	-2366	-59866	SLV 1	12600	27370	44483	2.5	11.57	Si
554	4X/2Y Ø8/14.4	2064	-68134	SLV 15	12805	30516	42024	2.5	14.79	-2366	-59758	SLV 1	12600	27370	44468	2.5	11.57	Si
583	4X/2Y Ø8/14.4	2064	-68025	SLV 15	12805	30516	42024	2.5	14.79	-2366	-59649	SLV 1	12600	27370	44452	2.5	11.57	Si
612	4X/2Y Ø8/10	2064	-67917	SLV 15	12805	42315	43268	2.4	20.51	-2366	-59540	SLV 1	12600	39534	44437	2.5	16.71	Si
641	4X/2Y Ø8/10	2064	-67808	SLV 15	12805	42315	43268	2.4	20.51	-2366	-59431	SLV 1	12600	39534	44422	2.5	16.71	Si
670	4X/2Y Ø8/10	2064	-67699	SLV 15	12805	42315	43268	2.4	20.51	-2366	-59323	SLV 1	12600	39534	44407	2.5	16.71	Si
690	4X/2Y Ø8/10	1587	-53489	SLV 15	12805	41434	42325	2.35	26.11	-2147	-46909	SLV 1	11890	39534	42686	2.5	18.42	Si
719	4X/2Y Ø8/10	1587	-53381	SLV 15	12805	41434	42311	2.35	26.11	-2147	-46800	SLV 1	11876	39534	42671	2.5	18.42	Si
748	4X/2Y Ø8/10	1587	-53272	SLV 15	12805	41434	42296	2.35	26.11	-2147	-46691	SLV 1	11861	39534	42656	2.5	18.42	Si
777	4X/2Y Ø8/14.4	1587	-53163	SLV 15	12805	30516	40467	2.5	19.23	-2147	-46583	SLV 1	11847	27370	42641	2.5	12.75	Si
806	4X/2Y Ø8/14.4	1587	-53054	SLV 15	12805	30516	40453	2.5	19.23	-2147	-46474	SLV 1	11832	27370	42626	2.5	12.75	Si
835	4X/2Y Ø8/14.4	1587	-52946	SLV 15	12805	30516	40439	2.5	19.23	-2147	-46365	SLV 1	11817	27370	42611	2.5	12.75	Si
864	4X/2Y Ø8/14.4	1587	-52837	SLV 15	12805	30516	40425	2.5	19.23	-2147	-46256	SLV 1	11803	27370	42596	2.5	12.75	Si
893	4X/2Y Ø8/14.4	1587	-52728	SLV 15	12805	30516	40411	2.5	19.23	-2147	-46148	SLV 1	11788	27370	42581	2.5	12.75	Si
922	4X/2Y Ø8/10	1587	-52619	SLV 15	12805	41434	42208	2.35	26.11	-2147	-46039	SLV 1	11774	39534	42566	2.5	18.42	Si
951	4X/2Y Ø8/10	1587	-52511	SLV 15	12805	41434	42193	2.35	26.11	-2147	-45930	SLV 1	11759	39534	42551	2.5	18.42	Si
980	4X/2Y Ø8/10	1587	-52402	SLV 15	12805	41434	42179	2.35	26.11	-2147	-45821	SLV 1	11745	39534	42536	2.5	18.42	Si
1000	4X/2Y Ø8/10	1819	-37640	SLV 15	10992	40552	40791	2.3	22.29	-2262	-32996	SLV 1	10026	39534	40758	2.5	17.48	Si
1029	4X/2Y Ø8/10	1819	-37532	SLV 15	10978	40552	40776	2.3	22.29	-2262	-32887	SLV 1	10011	39534	40743	2.5	17.48	Si
1058	4X/2Y Ø8/10	1819	-37423	SLV 15	10965	40552	40762	2.3	22.29	-2262	-32778	SLV 1	9997	39534	40728	2.5	17.48	Si
1087	4X/2Y Ø8/14.4	1819	-37314	SLV 15	10951	30516	38425	2.5	16.78	-2262	-32669	SLV 1	9982	27370	40713	2.5	12.1	Si
1116	4X/2Y Ø8/14.4	1819	-37205	SLV 15	10937	30516	38411	2.5	16.78	-2262	-32561	SLV 1	9968	27370	40698	2.5	12.1	Si
1145	4X/2Y Ø8/14.4	1819	-37097	SLV 15	10924	30516	38397	2.5	16.78	-2262	-32452	SLV 1	9953	27370	40682	2.5	12.1	Si
1174	4X/2Y Ø8/14.4	1819	-36988	SLV 15	10910	30516	38383	2.5	16.78	-2262	-32343	SLV 1	9939	27370	40667	2.5	12.1	Si
1203	4X/2Y Ø8/14.4	1819	-36879	SLV 15	10897	30516	38369	2.5	16.78	-2262	-32234	SLV 1	9924	27370	40652	2.5	12.1	Si
1232	4X/2Y Ø8/10	1819	-36770	SLV 15	10883	40552	40672	2.3	22.29	-2262	-32126	SLV 1	9909	39534	40637	2.5	17.48	Si
1261	4X/2Y Ø8/10	1819	-36662	SLV 15	10870	40552	40658	2.3	22.29	-2262	-32017	SLV 1	9895	39534	40622	2.5	17.48	Si
1290	4X/2Y Ø8/10	1819	-36553	SLV 15	10856	40552	40643	2.3	22.29	-2262	-31908	SLV 1	9880	39534	40607	2.5	17.48	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	4X/2Y Ø8/10	1745	-22965	SLV 13	9164	38789	39959	2.2	22.23	-2595	-22965	SLV 13	8682	38743	39944	2.45	14.93	Si
1339	4X/2Y Ø8/10	1745	-22856	SLV 13	9151	38789	39944	2.2	22.23	-2595	-22856	SLV 13	8667	38743	39928	2.45	14.93	Si
1368	4X/2Y Ø8/10	1745	-22747	SLV 13	9137	38789	39929	2.2	22.23	-2595	-22747	SLV 13	8653	38743	39913	2.45	14.93	Si
1397	4X/2Y Ø8/14.4	1745	-22638	SLV 13	9124	30516	36535	2.5	17.49	-2595	-22638	SLV 13	8638	27370	39322	2.5	10.55	Si
1426	4X/2Y Ø8/14.4	1745	-22530	SLV 13	9110	30516	36521	2.5	17.49	-2595	-22530	SLV 13	8624	27370	39307	2.5	10.55	Si
1455	4X/2Y Ø8/14.4	1745	-22421	SLV 13	9097	30516	36507	2.5	17.49	-2595	-22421	SLV 13	8609	27370	39292	2.5	10.55	Si
1484	4X/2Y Ø8/14.4	1745	-22312	SLV 13	9083	30516	36493	2.5	17.49	-2595	-22312	SLV 13	8594	27370	39277	2.5	10.55	Si
1513	4X/2Y Ø8/14.4	1745	-22203	SLV 13	9070	30516	36479	2.5	17.49	-2595	-22203	SLV 13	8580	27370	39262	2.5	10.55	Si
1542	4X/2Y Ø8/10	1745	-22095	SLV 13	9056	38789	39837	2.2	22.23	-2595	-22095	SLV 13	8565	38743	39821	2.45	14.93	Si
1571	4X/2Y Ø8/10	1745	-21986	SLV 13	9043	38789	39822	2.2	22.23	-2595	-21986	SLV 13	8551	38743	39806	2.45	14.93	Si
1600	4X/2Y Ø8/10	1745	-21877	SLV 13	9029	38789	39806	2.2	22.23	-2595	-21877	SLV 13	8536	38743	39791	2.45	14.93	Si
1620	2X/2Y Ø8/10	-1332	-8741	SLV 9	4096	17058	17067	2.45	12.81	-1179	-8991	SLV 13	4903	21598	21642	2.45	18.32	Si
1649	2X/2Y Ø8/10	-1332	-8677	SLV 9	4830	21395	21398	2.45	16.06	-1179	-8927	SLV 13	4895	21598	21633	2.45	18.32	Si
1678	2X/2Y Ø8/10	-1332	-8611	SLV 9	4822	20959	21704	2.4	15.73	-1179	-8861	SLV 13	4886	21598	21625	2.45	18.32	Si
1707	2X/2Y Ø8/10	-1332	-8546	SLV 9	4814	20959	21696	2.4	15.73	-1179	-8796	SLV 13	4878	21598	21616	2.45	18.32	Si
1736	2X/2Y Ø8/10	-1332	-8481	SLV 9	4806	20959	21687	2.4	15.73	-1179	-8731	SLV 13	4870	21598	21608	2.45	18.32	Si
1765	2X/2Y Ø8/10	-1332	-8416	SLV 9	4798	20959	21679	2.4	15.73	-1179	-8666	SLV 13	4862	21598	21599	2.45	18.32	Si
1794	2X/2Y Ø8/10	-1332	-8350	SLV 9	4790	20959	21670	2.4	15.73	-1179	-8600	SLV 13	4854	21158	21909	2.4	17.94	Si
1823	2X/2Y Ø8/10	-1332	-8285	SLV 9	4782	20959	21661	2.4	15.73	-1179	-8535	SLV 13	4846	21158	21900	2.4	17.94	Si
1852	2X/2Y Ø8/10	-1332	-8220	SLV 9	4774	20959	21653	2.4	15.73	-1179	-8470	SLV 13	4838	21158	21892	2.4	17.94	Si
1881	2X/2Y Ø8/10	-1332	-8155	SLV 9	4766	20959	21644	2.4	15.73	-1179	-8405	SLV 13	4830	21158	21883	2.4	17.94	Si
1910	2X/2Y Ø8/10	-1332	-8089	SLV 9	4758	20959	21636	2.4	15.73	-1179	-8339	SLV 13	4821	21158	21874	2.4	17.94	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	-534	-77925	SLD 1	16007	44078	42024	2.5	78.66	-1161	-77925	SLD 1	16046	39534	45230	2.5	34.04	Si
-111	4X/2Y Ø8/10	-534	-77817	SLD 1	15994	44078	42024	2.5	78.66	-1161	-77817	SLD 1	16032	39534	45230	2.5	34.04	Si
-81	4X/2Y Ø8/10	-534	-77706	SLD 1	15980	44078	42024	2.5	78.66	-1161	-77706	SLD 1	16017	39534	45230	2.5	34.04	Si
-52	4X/2Y Ø8/10	-534	-77596	SLD 1	15966	44078	42024	2.5	78.66	-1161	-77596	SLD 1	16002	39534	45230	2.5	34.04	Si
-22	4X/2Y Ø8/15	-534	-77486	SLD 1	15952	29386	42024	2.5	55	-1161	-77486	SLD 1	15988	26356	45230	2.5	22.69	Si
7	4X/2Y Ø8/15	-534	-77375	SLD 1	15939	29386	42024	2.5	55	-1161	-77375	SLD 1	15973	26356	45230	2.5	22.69	Si
36	4X/2Y Ø8/15	-534	-77265	SLD 1	15925	29386	42024	2.5	55	-1161	-77265	SLD 1	15958	26356	45230	2.5	22.69	Si
66	4X/2Y Ø8/15	-534	-77155	SLD 1	15911	29386	42024	2.5	55	-1161	-77155	SLD 1	15943	26356	45230	2.5	22.69	Si
95	4X/2Y Ø8/15	-534	-77045	SLD 1	15897	29386	42024	2.5	55	-1161	-77045	SLD 1	15928	26356	45230	2.5	22.69	Si
125	4X/2Y Ø8/15	-534	-76933	SLD 1	15884	29386	42024	2.5	55	-1161	-76933	SLD 1	15913	26356	45230	2.5	22.69	Si
154	4X/2Y Ø8/15	-534	-76824	SLD 1	15870	29386	42024	2.5	55	-1161	-76824	SLD 1	15899	26356	45230	2.5	22.69	Si
184	4X/2Y Ø8/15	-534	-76714	SLD 1	15856	29386	42024	2.5	55	-1161	-76714	SLD 1	15884	26356	45230	2.5	22.69	Si
213	4X/2Y Ø8/15	-534	-76605	SLD 1	15843	29386	42024	2.5	55	-1161	-76605	SLD 1	15870	26356	45230	2.5	22.69	Si
242	4X/2Y Ø8/10	-534	-76493	SLD 1	15829	44078	42024	2.5	78.66	-1161	-76493	SLD 1	15855	39534	45230	2.5	34.04	Si
272	4X/2Y Ø8/10	-534	-76383	SLD 1	15815	44078	42024	2.5	78.66	-1161	-76383	SLD 1	15840	39534	45230	2.5	34.04	Si
301	4X/2Y Ø8/10	-534	-76273	SLD 1	15801	44078	42024	2.5	78.66	-1161	-76273	SLD 1	15825	39534	45230	2.5	34.04	Si
331	4X/2Y Ø8/10	-534	-76162	SLD 1	15788	44078	42024	2.5	78.66	-1161	-76162	SLD 1	15810	39534	45230	2.5	34.04	Si
360	4X/2Y Ø8/10	-534	-76054	SLD 1	15774	44078	42024	2.5	78.66	-1161	-76054	SLD 1	15796	39534	45230	2.5	34.04	Si
380	4X/2Y Ø8/10	1407	-66235	SLD 15	14552	44078	42024	2.5	29.86	-1068	-62962	SLD 1	14041	39534	44912	2.5	37	Si
409	4X/2Y Ø8/10	1407	-66126	SLD 15	14538	44078	42024	2.5	29.86	-1068	-62853	SLD 1	14027	39534	44897	2.5	37	Si
438	4X/2Y Ø8/10	1407	-66017	SLD 15	14525	44078	42024	2.5	29.86	-1068	-62744	SLD 1	14012	39534	44882	2.5	37	Si
467	4X/2Y Ø8/14.4	1407	-65909	SLD 15	14511	30516	42024	2.5	21.68	-1068	-62635	SLD 1	13998	27370	44866	2.5	25.62	Si
496	4X/2Y Ø8/14.4	1407	-65800	SLD 15	14497	30516	42024	2.5	21.68	-1068	-62527	SLD 1	13983	27370	44851	2.5	25.62	Si
525	4X/2Y Ø8/14.4	1407	-65691	SLD 15	14484	30516	42024	2.5	21.68	-1068	-62418	SLD 1	13968	27370	44836	2.5	25.62	Si
554	4X/2Y Ø8/14.4	1407	-65582	SLD 15	14470	30516	42024	2.5	21.68	-1068	-62309	SLD 1	13954	27370	44821	2.5	25.62	Si
583	4X/2Y Ø8/14.4	1407	-65474	SLD 15	14457	30516	42024	2.5	21.68	-1068	-62200	SLD 1	13939	27370	44806	2.5	25.62	Si
612	4X/2Y Ø8/10	1407	-65365	SLD 15	14443	44078	42024	2.5	29.86	-1068	-62092	SLD 1	13925	39534	44791	2.5	37	Si
641	4X/2Y Ø8/10	1407	-65256	SLD 15	14430	44078	42024	2.5	29.86	-1068	-61983	SLD 1	13910	39534	44776	2.5	37	Si
670	4X/2Y Ø8/10	1407	-65147	SLD 15	14416	44078	42010	2.5	29.85	-1068	-61874	SLD 1	13896	39534	44761	2.5	37	Si
690	4X/2Y Ø8/10	1022	-51488	SLD 15	12716	44078	40251	2.5	39.38	-976	-48911	SLD 1	12159	39534	42964	2.5	40.49	Si
719	4X/2Y Ø8/10	1022	-51379	SLD 15	12702	44078	40237	2.5	39.37	-976	-48802	SLD 1	12144	39534	42949	2.5	40.49	Si
748	4X/2Y Ø8/10	1022	-51270	SLD 15	12688	44078	40223	2.5	39.35	-976	-48693	SLD 1	12129	39534	42934	2.5	40.49	Si
777	4X/2Y Ø8/14.4	1022	-51161	SLD 15	12675	30516	40209	2.5	29.86	-976	-48585	SLD 1	12115	27370	42919	2.5	28.03	Si
806	4X/2Y Ø8/14.4	1022	-51053	SLD 15	12661	30516	40195	2.5	29.86	-976	-48476	SLD 1	12100	27370	42904	2.5	28.03	Si
835	4X/2Y Ø8/14.4	1022	-50944	SLD 15	12648	30516	40181	2.5	29.86	-976	-48367	SLD 1	12086	27370	42889	2.5	28.03	Si
864	4X/2Y Ø8/14.4	1022	-50835	SLD 15	12634	30516	40167	2.5	29.86	-976	-48258	SLD 1	12071	27370	42874	2.5	28.03	Si
893	4X/2Y Ø8/14.4	1022	-50726	SLD 15	12621	30516	40153	2.5	29.86	-976	-48150	SLD 1	12057	27370	42858	2.5	28.03	Si
922	4X/2Y Ø8/10	1022	-50618	SLD 15	12607	44078	40139	2.5	39.27	-976	-48041	SLD 1	12042	39534	42843	2.5	40.49	Si
951	4X/2Y Ø8/10	1022	-50509	SLD 15	12594	44078	40125	2.5	39.26	-976	-47932	SLD 1	12027	39534	42828	2.5	40.49	Si
980	4X/2Y Ø8/10	1022	-50400	SLD 15	12580	44078	40111	2.5	39.24	-976	-47823	SLD 1	12013	39534	42813	2.5	40.49	Si
1000	4X/2Y Ø8/10	1233	-36231	SLD 15	10816	44078	38286	2.5	31.04	-965	-34405	SLD 1	10215	39534	40953	2.5	40.97	Si
1029	4X/2Y Ø8/10	1233	-36123	SLD 15	10803	44078	38272	2.5	31.03	-965	-34296	SLD 1	10200	39534	40938	2.5	40.97	Si
1058	4X/2Y Ø8/10	1233	-36014	SLD 15	10789	44078	38258	2.5	31.02	-965	-34187	SLD 1	10186	39534	40923	2.5	40.97	Si
1087	4X/2Y Ø8/14.4	1233	-35905	SLD 15	10776	30516	38244	2.5	24.74	-965	-34078	SLD 1	10171	27370	40908	2.5	28.36	Si
1116	4X/2Y Ø8/14.4	1233	-35796	SLD 15	10762	30516	38230	2.5	24.74	-965	-33970	SLD 1	10157	27370	40893	2.5	28.36	Si
1145	4X/2Y Ø8/14.4	1233	-35688	SLD 15	10748	30516	38216	2.5	24.74	-965	-33861	SLD 1	10142	27370	40878	2.5	28.36	Si
1174	4X/2Y Ø8/14.4	1233	-35579	SLD 15	10735	30516	38202	2.5	24.74	-965	-33752	SLD 1	10127	27370	40863	2.5	28.36	Si
1203	4X/2Y Ø8/14.4	1233	-35470	SLD 15	10721	30516	38188	2.5	24.74	-965	-33643	SLD 1	10113	27370	40848	2.5	28.36	Si
1232	4X/2Y Ø8/10	1233	-35361	SLD 15	10708	44078	38174	2.5	30.95	-965	-33535	SLD 1	10098	39534	40833	2.5	40.97	Si
1261	4X/2Y Ø8/10	1233	-35253	SLD 15	10694	44078	38160	2.5	30.94	-965	-33426	SLD 1	10084	39534	40817	2.5	40.97	Si
1290	4X/2Y Ø8/10	1233	-35144	SLD 15	10681	44078	38146	2.5	30.93	-965	-33317	SLD 1	10069	39534	40802	2.5	40.97	Si
1310	4X/2Y Ø8/10	1253	-21697	SLD 13	9007	44078	36414	2.5	29.06	-1532	-21697	SLD 13	8512	39534	39192	2.5	25.59	Si
1339	4X/2Y Ø8/10	1253	-21588	SLD 13	8993	44078	36400	2.5	29.05	-1532	-21588	SLD 13	8497	39534	39177	2.5	25.58	Si
1368	4X/2Y Ø8/10	1253	-21480	SLD 13	8980	44078	36386	2.5	29.04	-1532	-21480	SLD 13	8483	39534	39162	2.5	25.57	Si
1397	4X/2Y Ø8/14.4	1253	-21371	SLD 13	8966	30516	36372	2.5	24.36	-1532	-21371	SLD 13	8468	27370	39146	2.5	17.87	Si
1426	4X/2Y Ø8/14.4	1253	-21262	SLD 13	8953	30516	36358	2.5	24.36	-1532	-21262	SLD 13	8454	27370	39131	2.5	17.87	Si
1455	4X/2Y Ø8/14.4	1253	-21153	SLD 13	8939	30516	36344	2.5	24.36	-1532	-21153	SLD 13	8439	27370	39116	2.5	17.87	Si
1484	4X/2Y Ø8/14.4	1253	-21045	SLD 13	8925	30516	36330	2.5	24.36	-1532	-21045	SLD 13	8425	27370	39101	2.5	17.87	Si
1513	4X/2Y Ø8/14.4	1253	-20936	SLD 13	8912	30516	36316	2.5	24.36	-1532	-20936	SLD 13	8410	27370	39086	2.5	17.87	Si
1542	4X/2Y Ø8/10	1253	-20827	SLD 13	8898	44078	36302	2.5	28.97	-1532	-20827	SLD 13	8395	39534	39071	2.5	25.51	Si
1571	4X/2Y Ø8/10	1253	-20718	SLD 13	8885	44078	36288	2.5	28.96	-1532	-20718	SLD 13	8381	39534	39056	2.5	25.5	Si
1600	4X/2Y Ø8/10	1253	-20610	SLD 13	8871	44078	36274	2.5	28.95	-1532	-20610	SLD 13	8366	39534	39041	2.5	25.49	Si
1620	2X/2Y Ø8/10	-872	-8407	SLD 9	4063	17406	16786	2.5	19.26	-880	-8506	SLD 13	4842	22039	21267	2.5	24.16	Si
1649	2X/2Y Ø8/10	-872	-8343	SLD 9	4789	21832	21046	2.5	24.15	-880	-8441	SLD 13	4834	22039	21259	2.5	24.15	Si
1678	2X/2Y Ø8/10	-872	-8277	SLD 9	4781	21832	21038	2.5	24.14	-880	-8376	SLD 13	4826	22039	21251	2.5	24.14	Si
1707	2X/2Y Ø8/10	-872	-8212	SLD 9	4773	21832	21030	2.5	24.13	-880	-8311	SLD 13	4818	22039	21242	2.5	24.13	Si
1736	2X/2Y Ø8/10	-872	-8147	SLD 9	4765	21832	21021	2.5	24.12	-880	-8246	SLD 13	4810	22039	21234	2.5	24.12	Si
1765	2X/2Y Ø8/10	-872	-8082	SLD 9	4757	21832	21013	2.5	24.11	-880	-8180	SLD 13	4802	22039	21225	2.5	24.11	Si
1794	2X/2Y Ø8/10	-872	-8016	SLD 9	4749	21832	21005	2.5	24.1	-880	-8115	SLD 13	4794	22039	21217	2.5	24.1	Si
1823	2X/2Y Ø8/10	-872	-7951	SLD 9	4741	21832	20996	2.5	24.09	-880	-8050	SLD 13	4785	22039	21208	2.5	24.09	Si
1852	2X/2Y Ø8/10	-872	-7886	SLD 9	4733	21832	20988	2.5	24.08	-880	-7985	SLD 13	4777	22039	21200	2.5	24.08	Si
1881	2X/2Y Ø8/10	-872	-7821	SLD 9	4725	21832	20980	2.5	24.07	-880	-7919	SLD 13	4769	22039	21192	2.5	24.07	Si
1910	2X/2Y Ø8/10	-872	-7755	SLD 9	4717	21832	20971	2.5	24.06	-880	-7854	SLD 13	4761	22039	21183	2.5	24.06	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	24512	133316	-91251	SLE RA 12	-68.8	24512	133316	-91251	SLE RA 12	-948.4	Si
-111	21562	126372	-91143	SLE RA 12	-67.8	21562	126372	-91143	SLE RA 12	-937.7	Si
-81	18561	119309	-91033	SLE RA 12	-66.7	18561	119309	-91033	SLE RA 12	-926.8	Si
-52	15560	112245	-90922	SLE RA 12	-65.7	15560	112245	-90922	SLE RA 12	-915.8	Si
-22	12560	105181	-90812	SLE RA 12	-64.6	12560	105181	-90812	SLE RA 12	-904.9	Si
7	9559	98118	-90702	SLE RA 12	-63.6	9559	98118	-90702	SLE RA 12	-894	Si
36	6558	91054	-90592	SLE RA 12	-62.5	6558	91054	-90592	SLE RA 12	-883.1	Si
66	3557	83990	-90481	SLE RA 12	-61.5	3557	83990	-90481	SLE RA 12	-872.4	Si
95	556	76926	-90371	SLE RA 12	-60.4	556	76926	-90371	SLE RA 12	-862.9	Si
125	-4696	69961	-90257	SLE RA 13	-59.9	-4696	69961	-90257	SLE RA 13	-856.1	Si
154	-8086	65361	-90148	SLE RA 13	-59.6	-8086	65361	-90148	SLE RA 13	-853	Si
184	-11510	60714	-90037	SLE RA 13	-59.2	-11510	60714	-90037	SLE RA 13	-849.8	Si
213	-14883	56137	-89929	SLE RA 13	-58.9	-14883	56137	-89929	SLE RA 13	-846.7	Si
242	-18359	51421	-89817	SLE RA 13	-58.5	-18359	51421	-89817	SLE RA 13	-843.5	Si
272	-21783	46775	-89706	SLE RA 13	-58.2	-21783	46775	-89706	SLE RA 13	-840.4	Si
301	-25207	42128	-89596	SLE RA 13	-57.8	-25207	42128	-89596	SLE RA 13	-837.2	Si
331	-28631	37482	-89486	SLE RA 13	-57.5	-28631	37482	-89486	SLE RA 13	-834.1	Si
360	-31997	32914	-89377	SLE RA 13	-57.2	-31997	32914	-89377	SLE RA 13	-831	Si
380	43007	-199314	-74414	SLE RA 12	-67.7	43007	-199314	-74414	SLE RA 12	-888.9	Si
409	35066	-166099	-74305	SLE RA 12	-63.4	35066	-166099	-74305	SLE RA 12	-846	Si
438	27124	-132883	-74197	SLE RA 12	-59.2	27124	-132883	-74197	SLE RA 12	-803.2	Si
467	19182	-99668	-74088	SLE RA 12	-54.9	19182	-99668	-74088	SLE RA 12	-760.3	Si
496	11240	-66453	-73979	SLE RA 12	-50.6	11240	-66453	-73979	SLE RA 12	-717.4	Si
525	3299	-33238	-73870	SLE RA 12	-46.3	3299	-33238	-73870	SLE RA 12	-674.6	Si
554	-5896	2805	-73736	SLE RA 13	-43.1	-5896	2805	-73736	SLE RA 13	-643	Si
583	-12619	34368	-73628	SLE RA 13	-47	-12619	34368	-73628	SLE RA 13	-681.2	Si
612	-20527	66408	-73544	SLE RA 12	-51	-20527	66408	-73544	SLE RA 12	-721.1	Si
641	-28468	99623	-73435	SLE RA 12	-55.1	-28468	99623	-73435	SLE RA 12	-762.1	Si
670	-36410	132838	-73327	SLE RA 12	-59.3	-36410	132838	-73327	SLE RA 12	-803.1	Si
690	26766	-100828	-58603	SLE RA 13	-46.6	26766	-100828	-58603	SLE RA 13	-634.3	Si
719	18817	-78143	-58494	SLE RA 13	-43.5	18817	-78143	-58494	SLE RA 13	-602.7	Si
748	10867	-55457	-58386	SLE RA 13	-40.4	10867	-55457	-58386	SLE RA 13	-571	Si
777	2918	-32771	-58277	SLE RA 13	-37.3	2918	-32771	-58277	SLE RA 13	-539.4	Si
806	-6723	-9074	-58183	SLE RA 12	-34.9	-6723	-9074	-58183	SLE RA 12	-516.3	Si
835	-14837	13509	-58074	SLE RA 12	-35.9	-14837	13509	-58074	SLE RA 12	-526.7	Si
864	-22950	36092	-57966	SLE RA 12	-38.9	-22950	36092	-57966	SLE RA 12	-556.5	Si
893	-31064	58675	-57857	SLE RA 12	-41.8	-31064	58675	-57857	SLE RA 12	-586.3	Si
922	-39177	81258	-57748	SLE RA 12	-44.8	-39177	81258	-57748	SLE RA 12	-616	Si
951	-47290	103841	-57639	SLE RA 12	-47.8	-47290	103841	-57639	SLE RA 12	-645.8	Si
980	-55404	126425	-57531	SLE RA 12	-50.8	-55404	126425	-57531	SLE RA 12	-675.6	Si
1000	24247	-148797	-42218	SLE RA 12	-42.4	24247	-148797	-42218	SLE RA 12	-542.4	Si
1029	19621	-120153	-42109	SLE RA 12	-38.8	19621	-120153	-42109	SLE RA 12	-507.1	Si
1058	14994	-91508	-42001	SLE RA 12	-35.3	14994	-91508	-42001	SLE RA 12	-471.8	Si
1087	10367	-62864	-41892	SLE RA 12	-31.7	10367	-62864	-41892	SLE RA 12	-436.5	Si
1116	5740	-34220	-41783	SLE RA 12	-28.2	5740	-34220	-41783	SLE RA 12	-401.2	Si
1145	1114	-5576	-41674	SLE RA 12	-24.6	1114	-5576	-41674	SLE RA 12	-365.9	Si
1174	-3586	23098	-41556	SLE RA 13	-26.7	-3586	23098	-41556	SLE RA 13	-385.6	Si
1203	-8140	51713	-41457	SLE RA 12	-30.1	-8140	51713	-41457	SLE RA 12	-419	Si
1232	-12767	80357	-41348	SLE RA 12	-33.5	-12767	80357	-41348	SLE RA 12	-452.4	Si
1261	-17393	109001	-41239	SLE RA 12	-36.9	-17393	109001	-41239	SLE RA 12	-485.9	Si
1290	-22020	137646	-41131	SLE RA 12	-40.4	-22020	137646	-41131	SLE RA 12	-519.3	Si
1310	70956	-161229	-26308	SLE RA 12	-37.8	70956	-161229	-26308	SLE RA 12	-456.4	Si
1339	39086	-126314	-26199	SLE RA 12	-31.7	39086	-126314	-26199	SLE RA 12	-392.5	Si
1368	7215	-91400	-26091	SLE RA 12	-25.6	7215	-91400	-26091	SLE RA 12	-328.3	Si
1397	-25589	-56351	-25978	SLE RA 13	-22.9	-25589	-56351	-25978	SLE RA 13	-304.7	Si
1426	-56790	-21749	-25870	SLE RA 13	-21.2	-56790	-21749	-25870	SLE RA 13	-292	Si
1455	-88396	13343	-25764	SLE RA 12	-22.3	-88396	13343	-25764	SLE RA 12	-307.7	Si
1484	-120267	48257	-25656	SLE RA 12	-28.3	-120267	48257	-25656	SLE RA 12	-369.8	Si
1513	-152137	83172	-25547	SLE RA 12	-34.3	-152137	83172	-25547	SLE RA 12	-432	Si
1542	-184008	118086	-25438	SLE RA 12	-40.3	-184008	118086	-25438	SLE RA 12	-494.2	Si
1571	-215878	153000	-25329	SLE RA 12	-50.6	-215878	153000	-25329	SLE RA 12	-596	Si
1600	-247749	187915	-25221	SLE RA 12	-56.3	-247749	187915	-25221	SLE RA 12	-647.4	Si
1620	115016	111080	-10238	SLE RA 13	-72.4	110877	108301	-9689	SLE RA 11	667.9	Si
1649	89571	94519	-10174	SLE RA 13	-55.6	89571	94519	-10174	SLE RA 13	-546.8	Si
1678	63679	77669	-10109	SLE RA 13	-42.2	63679	77669	-10109	SLE RA 13	-443	Si
1707	37788	60818	-10044	SLE RA 13	-27.6	37788	60818	-10044	SLE RA 13	-316	Si
1736	11896	43967	-9978	SLE RA 13	-19.7	11896	43967	-9978	SLE RA 13	-239.8	Si
1765	-17186	24710	-9818	SLE RA 9	-16.8	-13995	27116	-9913	SLE RA 13	-211.4	Si
1794	-42337	8625	-9753	SLE RA 9	-18.2	-39886	10265	-9848	SLE RA 13	-223.8	Si
1823	-67539	-7886	-9687	SLE RA 8	-22.4	-67539	-7886	-9687	SLE RA 8	-264.6	Si
1852	-92516	-23859	-9622	SLE RA 8	-29.8	-92516	-23859	-9622	SLE RA 8	-335.8	Si
1881	-117561	-40288	-9652	SLE RA 13	-47.3	-117561	-40288	-9652	SLE RA 13	-474.7	Si
1910	-143452	-57139	-9587	SLE RA 13	-55	-143452	-57139	-9587	SLE RA 13	-536.9	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	1809	122450	-79970	SLE QP 2	-59.6	Si
-111	792	115851	-79862	SLE QP 2	-58.7	Si
-81	-244	109138	-79752	SLE QP 2	-57.9	Si
-52	-1279	102425	-79641	SLE QP 2	-57.2	Si
-22	-2314	95712	-79531	SLE QP 2	-56.4	Si
7	-3349	89000	-79421	SLE QP 2	-55.7	Si
36	-4384	82287	-79311	SLE QP 2	-55	Si
66	-5419	75574	-79200	SLE QP 2	-54.2	Si
95	-6454	68861	-79090	SLE QP 2	-53.5	Si
125	-7500	62081	-78979	SLE QP 2	-52.7	Si
154	-8524	55435	-78869	SLE QP 2	-52	Si
184	-9560	48722	-78759	SLE QP 2	-51.3	Si
213	-10579	42110	-78650	SLE QP 2	-50.6	Si
242	-11630	35296	-78538	SLE QP 2	-49.8	Si
272	-12665	28583	-78428	SLE QP 2	-49.1	Si
301	-13700	21871	-78318	SLE QP 2	-48.3	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
331	-14735	15158	-78208	SLE QP 2	-47.6	Si
360	-15753	8559	-78099	SLE QP 2	-46.9	Si
380	37214	-172469	-64598	SLE QP 2	-58.7	Si
409	30448	-143832	-64490	SLE QP 2	-55	Si
438	23683	-115196	-64381	SLE QP 2	-51.3	Si
467	16918	-86559	-64272	SLE QP 2	-47.6	Si
496	10153	-57922	-64163	SLE QP 2	-44	Si
525	3387	-29286	-64055	SLE QP 2	-40.3	Si
554	-3378	-649	-63946	SLE QP 2	-37	Si
583	-10143	27988	-63837	SLE QP 2	-40.5	Si
612	-16908	56625	-63728	SLE QP 2	-44	Si
641	-23674	85261	-63620	SLE QP 2	-47.6	Si
670	-30439	113898	-63511	SLE QP 2	-51.2	Si
690	18738	-83705	-50199	SLE QP 2	-39.4	Si
719	12521	-64640	-50090	SLE QP 2	-36.8	Si
748	6305	-45576	-49982	SLE QP 2	-34.2	Si
777	88	-26512	-49873	SLE QP 2	-31.6	Si
806	-6129	-7448	-49764	SLE QP 2	-29.8	Si
835	-12346	11617	-49655	SLE QP 2	-30.6	Si
864	-18563	30681	-49547	SLE QP 2	-33.1	Si
893	-24780	49745	-49438	SLE QP 2	-35.6	Si
922	-30996	68810	-49329	SLE QP 2	-38.1	Si
951	-37213	87874	-49220	SLE QP 2	-40.5	Si
980	-43430	106938	-49112	SLE QP 2	-43	Si
1000	18499	-127686	-35318	SLE QP 2	-35.7	Si
1029	14846	-102869	-35209	SLE QP 2	-32.6	Si
1058	11192	-78052	-35101	SLE QP 2	-29.6	Si
1087	7538	-53235	-34992	SLE QP 2	-26.5	Si
1116	3884	-28418	-34883	SLE QP 2	-23.4	Si
1145	230	-3601	-34774	SLE QP 2	-20.4	Si
1174	-3423	21216	-34666	SLE QP 2	-22.5	Si
1203	-7077	46034	-34557	SLE QP 2	-25.4	Si
1232	-10731	70851	-34448	SLE QP 2	-28.4	Si
1261	-14385	95668	-34339	SLE QP 2	-31.3	Si
1290	-18038	120485	-34231	SLE QP 2	-34.2	Si
1310	54627	-130948	-20848	SLE QP 2	-30.2	Si
1339	30540	-103786	-20739	SLE QP 2	-25.5	Si
1368	6453	-76624	-20630	SLE QP 2	-20.8	Si
1397	-17634	-49462	-20521	SLE QP 2	-18.5	Si
1426	-41721	-22300	-20413	SLE QP 2	-17	Si
1455	-65809	4862	-20304	SLE QP 2	-16.7	Si
1484	-89896	32024	-20195	SLE QP 2	-21.3	Si
1513	-113983	59186	-20086	SLE QP 2	-25.9	Si
1542	-138070	86348	-19978	SLE QP 2	-30.5	Si
1571	-162157	113510	-19869	SLE QP 2	-35	Si
1600	-186244	140672	-19760	SLE QP 2	-42.2	Si
1620	83909	86089	-8185	SLE QP 2	-53.7	Si
1649	64946	73360	-8121	SLE QP 2	-41.4	Si
1678	45651	60409	-8056	SLE QP 2	-27	Si
1707	26355	47458	-7991	SLE QP 2	-21.1	Si
1736	7059	34506	-7925	SLE QP 2	-15.2	Si
1765	-12237	21555	-7860	SLE QP 2	-13.5	Si
1794	-31533	8603	-7795	SLE QP 2	-14.4	Si
1823	-50828	-4348	-7730	SLE QP 2	-17	Si
1852	-70124	-17300	-7664	SLE QP 2	-22.8	Si
1881	-89420	-30251	-7599	SLE QP 2	-35.7	Si
1910	-108716	-43203	-7534	SLE QP 2	-41.6	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

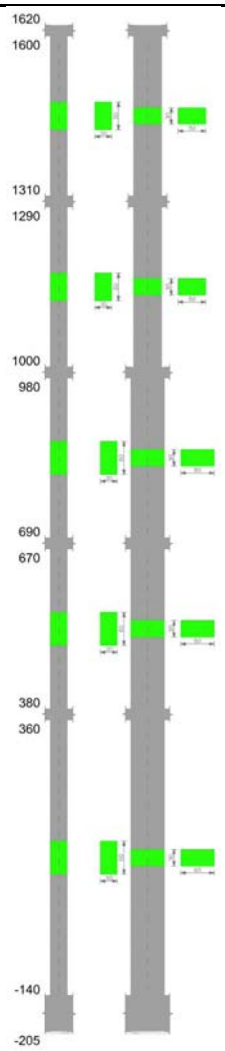
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.

Pilastro 40

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60	No	No	No	No		C30/37	B450C	
380	670	R 30x60	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.10	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.10	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.10	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.10	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	-380078	-380078	-140121	-818158	-818158	SLU 51	2.153	Si
-111	20.11	2.2	0	1,2	-379620	-379620	-139952	-818158	-818158	SLU 51	2.155	Si
-81	20.11	1.1	0	2	-379153	-379153	-139780	-818158	-818158	SLU 51	2.158	Si
-52	20.11	1.1	0	2	-378686	-378686	-139608	-818158	-818158	SLU 51	2.161	Si
-22	20.11	1.1	0	2	-378219	-378219	-139436	-818158	-818158	SLU 51	2.163	Si
7	20.11	1.1	0	2	-377753	-377753	-139264	-818158	-818158	SLU 51	2.166	Si
36	20.11	1.1	0	2	-377286	-377286	-139092	-818158	-818158	SLU 51	2.169	Si
66	20.11	1.1	0	2	-376819	-376819	-138920	-818158	-818158	SLU 51	2.171	Si
95	20.11	1.1	0	2	-376353	376353	-138748	-818158	818158	SLU 51	2.174	Si
125	20.11	1.1	0	2	375881	375881	-138574	818158	818158	SLU 51	2.177	Si
154	20.11	1.1	0	2	375419	375419	-138403	818158	818158	SLU 51	2.179	Si
184	20.11	1.1	0	2	374953	374953	-138231	818158	818158	SLU 51	2.182	Si
213	20.11	1.1	0	2	374493	374493	-138062	818158	818158	SLU 51	2.185	Si
242	20.11	1.1	0	2	374019	374019	-137887	818158	818158	SLU 51	2.187	Si
272	20.11	1.1	0	2	373552	373552	-137715	818158	818158	SLU 51	2.19	Si
301	20.11	1.1	0	2	373086	373086	-137543	818158	818158	SLU 51	2.193	Si
331	20.11	1.1	0	2	372619	372619	-137371	818158	818158	SLU 51	2.196	Si
360	20.11	1.1	0	2	372160	372160	-137202	818158	818158	SLU 51	2.198	Si
380	20.11	2.2	0	2,3	-222993	-235969	-111497	-641723	-679065	SLU 51	2.878	Si
409	20.11	2.2	0	2,3	-222660	-222660	-111330	-647491	-647491	SLU 51	2.908	Si
438	20.11	1.1	0	3	-222320	-222320	-111160	-647491	-647491	SLU 51	2.912	Si
467	20.11	1.1	0	3	-221981	-221981	-110991	-647491	-647491	SLU 51	2.917	Si
496	20.11	1.1	0	3	-221642	-221642	-110821	-647491	-647491	SLU 51	2.921	Si
525	20.11	1.1	0	3	-221303	-221303	-110651	-647491	-647491	SLU 51	2.926	Si
554	20.11	1.1	0	3	-220963	-220963	-110482	-647491	-647491	SLU 51	2.93	Si
583	20.11	1.1	0	3	-220624	220624	-110312	-647491	647491	SLU 51	2.935	Si
612	20.11	1.1	0	3	-220285	220285	-110142	-647491	647491	SLU 51	2.939	Si
641	20.11	1.1	0	3	-219945	219945	-109973	-647491	647491	SLU 51	2.944	Si
670	20.11	1.1	0	3	-219606	219606	-109803	-647491	647491	SLU 51	2.948	Si
690	20.11	2.2	0	3,4,6,7	-165180	-165180	-82590	-647491	-647491	SLU 51	3.92	Si
719	20.11	2.2	0	3,4,6,7	-164846	-164846	-82423	-647491	-647491	SLU 51	3.928	Si
748	20.11	1.1	0	4,6,7	164507	-164507	-82253	647491	-647491	SLU 51	3.936	Si
777	20.11	1.1	0	4,6,7	164168	-164168	-82084	647491	-647491	SLU 51	3.944	Si
806	20.11	1.1	0	4,6,7	163828	-163828	-81914	647491	-647491	SLU 51	3.952	Si
835	20.11	1.1	0	4,6,7	163489	163489	-81745	647491	647491	SLU 51	3.96	Si
864	20.11	1.1	0	4,6,7	163150	163150	-81575	647491	647491	SLU 51	3.969	Si
893	20.11	1.1	0	4,6,7	162810	162810	-81405	647491	647491	SLU 51	3.977	Si
922	20.11	1.1	0	4,6,7	162471	162471	-81236	647491	647491	SLU 51	3.985	Si
951	20.37	1.6	0	4,5,6,7	162132	162132	-81066	649217	649217	SLU 51	4.004	Si
980	27.42	2	0	4,5,6,7	161793	161793	-80896	695580	695580	SLU 51	4.299	Si
1000	20.11	2.4	0	5,6,7,8	-226756	-138462	-51058	-1068059	-652182	SLU 51	4.71	Si
1029	17.8	2.4	0	5,6,7,8	-185441	-115141	-50919	-911818	-566152	SLU 51	4.917	Si
1058	16.08	1.1	0	8	-143402	-101555	-50777	-729452	-516586	SLU 51	5.087	Si
1087	16.08	1.1	0	8	-101363	-101272	-50636	-531155	-530681	SLU 51	5.24	Si
1116	16.08	1.1	0	8	-100989	-100989	-50495	-530708	-530708	SLU 51	5.255	Si
1145	16.08	1.1	0	8	-100707	-100707	-50353	-530708	-530708	SLU 51	5.27	Si
1174	16.08	1.1	0	8	100424	100424	-50212	530708	530708	SLU 51	5.285	Si
1203	16.08	1.1	0	8	100141	100141	-50071	530708	530708	SLU 51	5.3	Si
1232	16.08	1.1	0	8	108834	99858	-49929	575386	527934	SLU 51	5.287	Si
1261	16.08	1.1	0	8	150873	99576	-49788	776520	512500	SLU 51	5.147	Si
1290	16.08	1.1	0	8	192913	99293	-49646	960528	494388	SLU 51	4.979	Si
1310	16.08	2.1	0	8,9,10	-163314	-226581	-19981	-865639	-1200984	SLU 51	5.3	Si
1339	16.08	2.1	0	8,9,10	-132243	-165418	-19842	-913161	-1142246	SLU 51	6.905	Si
1368	16.08	1.1	0	9,10	-100626	-103183	-19701	-941679	-965599	SLU 51	9.358	Si
1397	16.08	1.1	0	9,10	-69010	-40947	-19559	-880393	-522374	SLU 51	12.757	Si
1426	16.08	1.1	0	9,10	-38836	38836	-19418	-530708	530708	SLU 51	13.665	Si
1455	16.08	1.1	0	9,10	-38553	83525	-19277	-440378	954080	SLU 51	11.423	Si
1484	16.08	1.1	0	9,10	38270	145761	-19135	335942	1279511	SLU 51	8.778	Si
1513	16.08	1.1	0	9,10	57455	207997	-18994	385988	1397336	SLU 51	6.718	Si
1542	16.08	1.1	0	9,10	89072	270233	-18852	455449	1381777	SLU 51	5.113	Si
1571	16.08	1.1	0	9,10	120688	332469	-18711	471825	1299774	SLU 51	3.909	Si
1600	22.11	2.1	0	9,10	152305	394705	-18570	571577	1481271	SLU 51	3.753	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	-1444205	-377762	-92949	-2.02	1.92	-2086867	-545863	SLV 13	1.445				Si
-111	20.11	2.2	0	1,2	-1334550	-342988	-92819	-2.02	1.92	-2087212	-536427	SLV 13	1.564				Si
-81	20.11	1.1	0	2	-1223048	-307620	-92686	-2.02	1.92	-2077341	-522491	SLV 13	1.698				Si
-52	20.11	1.1	0	2	-1111614	-272262	-92554	-2.02	1.92	-2053286	-502900	SLV 13	1.847				Si
-22	20.11	1.1	0	2	-1000271	-236917	-92421	-2.02	1.92	-2010778	-476259	SLV 13	2.01				Si
7	20.11	1.1	0	2	-889040	-201592	-92289	-2.02	1.92	-1944519	-440925	SLV 13	2.187				Si
36	20.11	1.1	0	2	-777964	-166296	-92157	-2.02	1.92	-1849778	-395404	SLV 13	2.378				Si
66	20.11	1.1	0	2	-667132	-131052	-92024	-2.02	1.92	-1721384	-338149	SLV 13	2.58				Si
95	20.11	1.1	0	2	-556640	-95895	-91892	-2.02	1.92	-1557167	-268260	SLV 13	2.797				Si
125	20.11	1.1	0	2	-445593	-60562	-91758	-2.02	1.92	-1357139	-184452	SLV 13	3.046				Si
154	20.11	1.1	0	2	-337896	-26485	-91627	-2.02	1.92	-1124988	-88179	SLV 13	3.329				Si
184	20.11	1.1	0	2	20123	7001	-94437	-2.02	1.92	70161	24410	SLV 9	3.487				Si
213	20.11	1.1	0	2	57240	50081	-94306	-2.02	1.92	199851	174858	SLV 9	3.491				Si
242	20.11	1.1	0	2	-8268	81202	-94172	-2.02	1.92	-28908	283921	SLV 9	3.496				Si
272	20.11	1.1	0	2	22698	133252	-94040	-2.02	1.92	78804	462632	SLV 9	3.472				Si
301	20.11	1.1	0	2	280683	154543	-90966	-2.02	1.92	863012	475172	SLV 13	3.075				Si
331	20.11	1.1	0	2	375828	189635	-90833	-2.02	1.92	1070335	540070	SLV 13	2.848				Si
360	20.11	1.1	0	2	477748	224246	-90703	-2.02	1.92	1260520	591664	SLV 13	2.638				Si
380	20.11	2.2	0	2,3	-432652	-325409	-66562	-2.02	1.92	-1210967	-910801	SLV 13	2.799				Si
409	20.11	2.2	0	2,3	-270104	-287082	-73535	-2.02	1.92	-833771	-886180	SLV 9	3.087				Si
438	20.11	1.1	0	3	-241793	-227466	-73405	-2.02	1.92	-811729	-763632	SLV 9	3.357				Si
467	20.11	1.1	0	3	-217415	-168326	-73274	-2.02	1.92	-792304	-613413	SLV 9	3.644				Si
496	20.11	1.1	0	3	-198326	-110567	-73144	-2.02	1.92	-784325	-437264	SLV 9	3.955				Si
525	20.11	1.1	0	3	-155241	-56155	-73013	-2.02	1.92	-678163	-245311	SLV 9	4.368				Si
554	20.11	1.1	0	3	-281415	-24875	-72564	-2.02	1.92	-1166378	-103098	SLV 1	4.145				Si
583	20.11	1.1	0	3	-300495	-13516	-72433	-2.02	1.92	-1243588	-55934	SLV 1	4.138				Si
612	20.11	1.1	0	3	-185344	97485	-74656	-2.02	1.92	-739691	389054	SLV 5	3.991				Si
641	20.11	1.1	0	3	285256	193643	-65390	-2.02	1.92	1042141	707444	SLV 13	3.653				Si
670	20.11	1.1	0	3	335073	250199	-65259	-2.02	1.92	1106177	825984	SLV 13	3.301				Si
690	20.11	2.2	0	3,4,6,7	-264140	-211012	-48750	-2.02	1.92	-1106836	-884210	SLV 13	4.19				Si
719	20.11	2.2	0	3,4,6,7	-233941	-167352	-48621	-2.02	1.92	-1085104	-776241	SLV 13	4.638				Si
748	20.11	1.1	0	4,6,7	-208708	-123816	-48491	-2.02	1.92	-1065245	-631958	SLV 13	5.104				Si
777	20.11	1.1	0	4,6,7	237342	-82535	-48360	-2.02	1.92	1265272	-439993	SLV 13	5.331				Si
806	20.11	1.1	0	4,6,7	-213192	-48196	-53351	-2.02	1.92	-1143968	-258614	SLV 1	5.366				Si
835	20.11	1.1	0	4,6,7	-208448	-21397	-53221	-2.02	1.92	-1170372	-120140	SLV 1	5.615				Si
864	20.11	1.1	0	4,6,7	274035	77107	-47969	-2.02	1.92	1432544	403082	SLV 13	5.228				Si
893	20.11	1.1	0	4,6,7	305039	119056	-47838	-2.02	1.92	1454024	567503	SLV 13	4.767				Si
922	20.11	1.1	0	4,6,7	340286	162850	-47708	-2.02	1.92	1463082	700186	SLV 13	4.3				Si
951	20.37	1.6	0	4,5,6,7	378754	207400	-47577	-2.02	1.92	1462467	800825	SLV 13	3.861				Si
980	27.42	2	0	4,5,6,7	419642	252323	-47447	-2.02	1.92	1567365	942428	SLV 13	3.735				Si
1000	20.11	2.4	0	5,6,7,8	-239903	-167262	-34285	-2.02	1.92	-1037727	-723511	SLV 5	4.326				Si
1029	17.8	2.4	0	5,6,7,8	-207670	-135049	-34179	-2.02	1.92	-996747	-648188	SLV 5	4.8				Si
1058	16.08	1.1	0	8	-259655	-112622	-32917	-2.02	1.92	-1207922	-523923	SLV 1	4.652				Si
1087	16.08	1.1	0	8	-229625	-83027	-32808	-2.02	1.92	-1205053	-435722	SLV 1	5.248				Si
1116	16.08	1.1	0	8	-205887	-55434	-32700	-2.02	1.92	-1197627	-322453	SLV 1	5.817				Si
1145	16.08	1.1	0	8	-188391	-33427	-32591	-2.02	1.92	-1184107	-210103	SLV 1	6.285				Si
1174	16.08	1.1	0	8	-176490	-20444	-32482	-2.02	1.92	-1163716	-134798	SLV 1	6.594				Si
1203	16.08	1.1	0	8	213574	85261	-28891	-2.02	1.92	1206351	481588	SLV 13	5.648				Si
1232	16.08	1.1	0	8	255033	121247	-28782	-2.02	1.92	1209983	575244	SLV 13	4.744				Si
1261	16.08	1.1	0	8	298803	157863	-28673	-2.02	1.92	1185979	626575	SLV 13	3.969				Si
1290	16.08	1.1	0	8	344303	194804	-28565	-2.02	1.92	1151062	651261	SLV 13	3.343				Si
1310	16.08	2.1	0	8,9,10	-171546	-229023	-12826	-2.02	1.92	-656889	-876982	SLV 1	3.829				Si
1339	16.08	2.1	0	8,9,10	-149654	-168608	-12719	-2.02	1.92	-752956	-848320	SLV 1	5.031				Si
1368	16.08	1.1	0	9,10	-131826	-107734	-12610	-2.02	1.92	-946210	-773287	SLV 1	7.178				Si
1397	16.08	1.1	0	9,10	-128637	-49691	-12501	-2.02	1.92	-1326039	-512235	SLV 1	10.308				Si
1426	16.08	1.1	0	9,10	-128863	-4288	-12393	-2.02	1.92	-1710424	-56919	SLV 1	13.273				Si
1455	16.08	1.1	0	9,10	96853	84182	-10308	-2.02	1.92	914905	795209	SLV 13	9.446				Si
1484	16.08	1.1	0	9,10	129425	144920	-10199	-2.02	1.92	751057	840978	SLV 13	5.803				Si
1513	16.08	1.1	0	9,10	163178	206357	-10090	-2.02	1.92	655027	828358	SLV 13	4.014				Si
1542	16.08	1.1	0	9,10	197651	268032	-9981	-2.02	1.92	555746	753640	SLV 13	2.812				Si
1571	16.08	1.1	0	9,10	232587	329816	-9873	-2.02	1.92	500224	709334	SLV 13	2.151				Si
1600	22.11	2.1	0	9,10	267847	391658	-9764	-2.02	1.92	603724	882793	SLV 13	2.254				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	-666924	-180363	-88717	-1688117	-456534	SLD 13	2.531	Si
-111	20.11	2.2	0	1,2	-612862	-162100	-88586	-1619277	-428293	SLD 13	2.642	Si
-81	20.11	1.1	0	2	-557888	-143525	-88454	-1539394	-396031	SLD 13	2.759	Si
-52	20.11	1.1	0	2	-502942	-124953	-88322	-1449284	-360068	SLD 13	2.882	Si
-22	20.11	1.1	0	2	-448035	-106389	-88189	-1349443	-320433	SLD 13	3.012	Si
7	20.11	1.1	0	2	-393176	-87832	-88057	-1240179	-277046	SLD 13	3.154	Si
36	20.11	1.1	0	2	-338382	-69289	-87925	-1120108	-229360	SLD 13	3.31	Si
66	20.11	1.1	0	2	-283687	-50769	-87792	-987741	-176768	SLD 13	3.482	Si
95	20.11	1.1	0	2	-229131	-32288	-87660	-841123	-118528	SLD 13	3.671	Si
125	20.11	1.1	0	2	-18478	-17914	-88673	-68614	-66519	SLD 9	3.713	Si
154	20.11	1.1	0	2	5393	2104	-88542	20054	7823	SLD 9	3.719	Si
184	20.11	1.1	0	2	30890	21936	-88410	115047	81697	SLD 9	3.724	Si
213	20.11	1.1	0	2	57519	44461	-88279	214538	165833	SLD 9	3.73	Si
242	20.11	1.1	0	2	39155	61253	-88145	146267	228814	SLD 9	3.736	Si
272	20.11	1.1	0	2	61314	86394	-88013	229388	323213	SLD 9	3.741	Si
301	20.11	1.1	0	2	180339	99006	-86733	641654	352268	SLD 13	3.558	Si
331	20.11	1.1	0	2	228515	117461	-86601	776743	399262	SLD 13	3.399	Si
360	20.11	1.1	0	2	279256	135653	-86471	907493	440829	SLD 13	3.25	Si
380	20.11	2.2	0	2,3	-176061	-224476	-70170	-631731	-805450	SLD 9	3.588	Si
409	20.11	2.2	0	2,3	-159299	-187238	-70042	-604492	-710513	SLD 9	3.795	Si
438	20.11	1.1	0	3	-143302	-149463	-69911	-576765	-601561	SLD 9	4.025	Si
467	20.11	1.1	0	3	-128790	-111941	-69781	-550903	-478830	SLD 9	4.278	Si
496	20.11	1.1	0	3	-116247	-75132	-69650	-528985	-341893	SLD 9	4.551	Si
525	20.11	1.1	0	3	-68481	-36984	-70318	-320670	-173181	SLD 5	4.683	Si
554	20.11	1.1	0	3	-98389	4203	-70187	-461572	19717	SLD 5	4.691	Si
583	20.11	1.1	0	3	-93050	34140	-70057	-437339	160459	SLD 5	4.7	Si
612	20.11	1.1	0	3	-89735	65782	-69926	-420617	308341	SLD 5	4.687	Si
641	20.11	1.1	0	3	-88085	97809	-69796	-394836	438421	SLD 5	4.482	Si
670	20.11	1.1	0	3	127461	154195	-66087	535709	648068	SLD 13	4.203	Si
690	20.11	2.2	0	3,4,6,7	-115812	-132424	-49387	-621143	-710243	SLD 13	5.363	Si
719	20.11	2.2	0	3,4,6,7	-97061	-105079	-49259	-556559	-602534	SLD 13	5.734	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
748	20.11	1.1	0	4,6,7	59023	-69835	-51817	360358	-426367	SLD 5	6.105	Si
777	20.11	1.1	0	4,6,7	102029	-51152	-48998	648532	-325144	SLD 13	6.356	Si
806	20.11	1.1	0	4,6,7	-25160	-27409	-51556	-160685	-175053	SLD 5	6.387	Si
835	20.11	1.1	0	4,6,7	-13532	6619	-51426	-86645	42382	SLD 5	6.403	Si
864	20.11	1.1	0	4,6,7	136370	43888	-48606	853011	274527	SLD 13	6.255	Si
893	20.11	1.1	0	4,6,7	155485	70619	-48476	910962	413743	SLD 13	5.859	Si
922	20.11	1.1	0	4,6,7	176262	98158	-48345	967488	538782	SLD 13	5.489	Si
951	20.37	1.6	0	4,5,6,7	198297	126031	-48215	1023552	650535	SLD 13	5.162	Si
980	27.42	2	0	4,5,6,7	221280	154070	-48084	1145267	797411	SLD 13	5.176	Si
1000	20.11	2.4	0	5,6,7,8	-176254	-119686	-31915	-968584	-657725	SLD 5	5.495	Si
1029	17.8	2.4	0	5,6,7,8	-149038	-97781	-31809	-886120	-581365	SLD 5	5.946	Si
1058	16.08	1.1	0	8	-153781	-79883	-31251	-942461	-489571	SLD 1	6.129	Si
1087	16.08	1.1	0	8	-127187	-58990	-31142	-859186	-398493	SLD 1	6.755	Si
1116	16.08	1.1	0	8	-103033	-38755	-31034	-765443	-287912	SLD 1	7.429	Si
1145	16.08	1.1	0	8	-81315	-19963	-30925	-663964	-163007	SLD 1	8.165	Si
1174	16.08	1.1	0	8	77498	23083	-29433	657016	195692	SLD 13	8.478	Si
1203	16.08	1.1	0	8	107124	45828	-29324	806489	345016	SLD 13	7.529	Si
1232	16.08	1.1	0	8	137956	69261	-29215	926913	465355	SLD 13	6.719	Si
1261	16.08	1.1	0	8	169704	92994	-29106	1013128	555168	SLD 13	5.97	Si
1290	16.08	1.1	0	8	202141	116881	-28998	1066707	616784	SLD 13	5.277	Si
1310	16.08	2.1	0	8,9,10	-127336	-172397	-11893	-661587	-895710	SLD 1	5.196	Si
1339	16.08	2.1	0	8,9,10	-107133	-127287	-11786	-739922	-879121	SLD 1	6.907	Si
1368	16.08	1.1	0	9,10	-88269	-81631	-11677	-877811	-811799	SLD 1	9.945	Si
1397	16.08	1.1	0	9,10	-75628	-37066	-11569	-1094188	-536265	SLD 1	14.468	Si
1426	16.08	1.1	0	9,10	-64292	2978	-11460	-1217383	56382	SLD 1	18.935	Si
1455	16.08	1.1	0	9,10	36089	59375	-10560	542681	892842	SLD 13	15.037	Si
1484	16.08	1.1	0	9,10	60094	104909	-10451	561819	980794	SLD 13	9.349	Si
1513	16.08	1.1	0	9,10	84633	150775	-10343	542752	966919	SLD 13	6.413	Si
1542	16.08	1.1	0	9,10	109487	196752	-10234	528539	949804	SLD 13	4.827	Si
1571	16.08	1.1	0	9,10	134537	242780	-10125	479034	864446	SLD 13	3.561	Si
1600	22.11	2.1	0	9,10	159724	288834	-10016	570508	1031666	SLD 13	3.572	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	486	-139920	SLU 52	15366	51792	52691	2.35	106.6	1013	-139952	SLU 49	15029	48385	55356	2.5	47.77	Si
-111	5X/2Y Ø8/10	486	-139751	SLU 52	15366	51792	52691	2.35	106.6	1013	-139783	SLU 49	15029	48385	55356	2.5	47.77	Si
-81	5X/2Y Ø8/10	486	-139578	SLU 52	15366	51792	52691	2.35	106.6	1013	-139611	SLU 49	15029	48385	55356	2.5	47.77	Si
-52	5X/2Y Ø8/10	486	-139406	SLU 52	15366	51792	52691	2.35	106.6	1013	-139439	SLU 49	15029	48385	55356	2.5	47.77	Si
-22	5X/2Y Ø8/15	486	-139234	SLU 52	15366	36732	50429	2.5	75.61	1013	-139267	SLU 49	15029	32257	55356	2.5	31.85	Si
7	5X/2Y Ø8/15	486	-139062	SLU 52	15366	36732	50429	2.5	75.61	1013	-139095	SLU 49	15029	32257	55356	2.5	31.85	Si
36	5X/2Y Ø8/15	486	-138890	SLU 52	15366	36732	50429	2.5	75.61	1013	-138923	SLU 49	15029	32257	55356	2.5	31.85	Si
66	5X/2Y Ø8/15	486	-138718	SLU 52	15366	36732	50429	2.5	75.61	1013	-138751	SLU 49	15029	32257	55356	2.5	31.85	Si
95	5X/2Y Ø8/15	486	-138546	SLU 52	15366	36732	50429	2.5	75.61	1013	-138579	SLU 49	15029	32257	55356	2.5	31.85	Si
125	5X/2Y Ø8/15	486	-138372	SLU 52	15366	36732	50429	2.5	75.61	1013	-138405	SLU 49	15029	32257	55356	2.5	31.85	Si
154	5X/2Y Ø8/15	486	-138202	SLU 52	15366	36732	50429	2.5	75.61	1013	-138235	SLU 49	15029	32257	55356	2.5	31.85	Si
184	5X/2Y Ø8/15	486	-138030	SLU 52	15366	36732	50429	2.5	75.61	1013	-138063	SLU 49	15029	32257	55356	2.5	31.85	Si
213	5X/2Y Ø8/15	486	-137860	SLU 52	15366	36732	50429	2.5	75.61	1013	-137893	SLU 49	15029	32257	55356	2.5	31.85	Si
242	5X/2Y Ø8/10	486	-137686	SLU 52	15366	51792	52691	2.35	106.6	1013	-137718	SLU 49	15029	48385	55356	2.5	47.77	Si
272	5X/2Y Ø8/10	486	-137514	SLU 52	15366	51792	52691	2.35	106.6	1013	-137546	SLU 49	15029	48385	55356	2.5	47.77	Si
301	5X/2Y Ø8/10	486	-137342	SLU 52	15366	51792	52691	2.35	106.6	1013	-137374	SLU 49	15029	48385	55356	2.5	47.77	Si
331	5X/2Y Ø8/10	486	-137170	SLU 52	15366	51792	52691	2.35	106.6	1013	-137202	SLU 49	15029	48385	55356	2.5	47.77	Si
360	5X/2Y Ø8/10	486	-137000	SLU 52	15366	51792	52691	2.35	106.6	1013	-137033	SLU 49	15029	48385	55356	2.5	47.77	Si
380	5X/2Y Ø8/10	1326	-111497	SLU 51	15366	51792	52691	2.35	39.05	823	-104392	SLU 46	15029	48385	55356	2.5	58.82	Si
409	5X/2Y Ø8/10	1326	-111330	SLU 51	15366	51792	52691	2.35	39.05	823	-104226	SLU 46	15029	48385	55356	2.5	58.82	Si
438	5X/2Y Ø8/10	1326	-111160	SLU 51	15366	51792	52691	2.35	39.05	823	-104056	SLU 46	15029	48385	55356	2.5	58.82	Si
467	5X/2Y Ø8/14.4	1326	-110991	SLU 51	15366	38145	50429	2.5	28.76	823	-103886	SLU 46	15029	33497	55356	2.5	40.72	Si
496	5X/2Y Ø8/14.4	1326	-110821	SLU 51	15366	38145	50429	2.5	28.76	823	-103717	SLU 46	15029	33497	55356	2.5	40.72	Si
525	5X/2Y Ø8/14.4	1326	-110651	SLU 51	15366	38145	50429	2.5	28.76	823	-103547	SLU 46	15029	33497	55356	2.5	40.72	Si
554	5X/2Y Ø8/14.4	1326	-110482	SLU 51	15366	38145	50429	2.5	28.76	823	-103377	SLU 46	15029	33497	55356	2.5	40.72	Si
583	5X/2Y Ø8/14.4	1326	-110312	SLU 51	15366	38145	50429	2.5	28.76	823	-103208	SLU 46	15029	33497	55356	2.5	40.72	Si
612	5X/2Y Ø8/10	1326	-110142	SLU 51	15366	51792	52691	2.35	39.05	823	-103038	SLU 46	15029	48385	55356	2.5	58.82	Si
641	5X/2Y Ø8/10	1326	-109973	SLU 51	15366	51792	52691	2.35	39.05	823	-102868	SLU 46	15029	48385	55356	2.5	58.82	Si
670	5X/2Y Ø8/10	1326	-109803	SLU 51	15366	51792	52691	2.35	39.05	823	-102699	SLU 46	15029	48385	55356	2.5	58.82	Si
690	5X/2Y Ø8/10	962	-82590	SLU 51	15366	51792	52691	2.35	53.86	637	-82452	SLU 49	15029	48385	55356	2.5	75.93	Si
719	5X/2Y Ø8/10	962	-82423	SLU 51	15366	51792	52691	2.35	53.86	637	-82286	SLU 49	15029	48385	55356	2.5	75.93	Si
748	5X/2Y Ø8/10	962	-82253	SLU 51	15366	51792	52691	2.35	53.86	637	-82116	SLU 49	15029	48385	55356	2.5	75.93	Si
777	5X/2Y Ø8/14.4	962	-82084	SLU 51	15366	38145	50429	2.5	39.67	637	-81946	SLU 49	15029	33497	55356	2.5	52.57	Si
806	5X/2Y Ø8/14.4	962	-81914	SLU 51	15366	38145	50429	2.5	39.67	637	-81777	SLU 49	15029	33497	55356	2.5	52.57	Si
835	5X/2Y Ø8/14.4	962	-81745	SLU 51	15366	38145	50429	2.5	39.67	637	-81607	SLU 49	15029	33497	55356	2.5	52.57	Si
864	5X/2Y Ø8/14.4	962	-81575	SLU 51	15366	38145	50429	2.5	39.67	637	-81437	SLU 49	15029	33497	55356	2.5	52.57	Si
893	5X/2Y Ø8/14.4	962	-81405	SLU 51	15366	38145	50429	2.5	39.67	637	-81268	SLU 49	15029	33497	55356	2.5	52.57	Si
922	5X/2Y Ø8/10	962	-81236	SLU 51	15366	51792	52691	2.35	53.86	637	-81098	SLU 49	15029	48385	55356	2.5	75.93	Si
951	5X/2Y Ø8/10	962	-81066	SLU 51	15366	51792	52691	2.35	53.86	637	-80928	SLU 49	15029	48385	55356	2.5	75.93	Si
980	5X/2Y Ø8/10	962	-80896	SLU 51	15366	51792	52691	2.35	53.86	637	-80759	SLU 49	15029	48385	55356	2.5	75.93	Si
1000	4X/2Y Ø8/10	818	-51058	SLU 51	12662	41434	41998	2.35	50.63	1451	-50867	SLU 50	12421	39534	43235	2.5	27.25	Si
1029	4X/2Y Ø8/10	818	-50919	SLU 51	12645	41434	41979	2.35	50.63	1451	-50728	SLU 50	12402	39534	43216	2.5	27.25	Si
1058	4X/2Y Ø8/10	818	-50777	SLU 51	12627	41434	41960	2.35	50.63	1451	-50587	SLU 50	12383	39534	43196	2.5	27.25	Si
1087	4X/2Y Ø8/14.4	818	-50636	SLU 51	12610	30516	40141	2.5	37.29	1451	-50445	SLU 50	12364	27370	43177	2.5	18.86	Si
1116	4X/2Y Ø8/14.4	818	-50495	SLU 51	12592	30516	40123	2.5	37.29	1451	-50304	SLU 50	12345	27370	43157	2.5	18.86	Si
1145	4X/2Y Ø8/14.4	818	-50353	SLU 51	12574	30516	40105	2.5	37.29	1451	-50163	SLU 50	12326	27370	43137	2.5	18.86	Si
1174	4X/2Y Ø8/14.4	818	-50212	SLU 51	12557	30516	40086	2.5	37.29	1451	-50021	SLU 50	12307	27370	43118	2.5	18.86	Si
1203	4X/2Y Ø8/14.4	818	-50071	SLU 51	12539	30516	40068	2.5	37.29	1451	-49880	SLU 50	12288	27370	43098	2.5	18.86	Si
1232	4X/2Y Ø8/10	818	-49929	SLU 51	12522	41434	41846	2.35	50.63	1451	-49739	SLU 50	12269	39534	43079	2.5	27.25	Si
1261	4X/2Y Ø8/10	818	-49788	SLU 51	12504	41434	41827	2.35	50.63	1451	-49597	SLU 50	12251	39534	43059	2.5	27.25	Si
1290	4X/2Y Ø8/10	818	-49646	SLU 51	12486	41434	41808	2.35	50.63	1451	-49456	SLU 50	12232	39534	43040	2.5	27.25	Si
1310	4X/2Y Ø8/10	2146	-19981	SLU 51	8793	38789	39540	2.2	18.07	1099	-19851	SLU 50	8265	38743	39506	2.45	35.24	Si
1339	4X/2Y Ø8/10	2146	-19842	SLU 51	8776	38789	39520	2.2	18.07	1099	-19713	SLU 50	8246	38743	39486	2.45	35.24	Si
1368	4X/2Y Ø8/10	2146	-19701	SLU 51	8758	38789	39500	2.2	18.07	1099	-19571	SLU 50	8227	38743	39466	2.45	35.24	Si
1397	4X/2Y Ø8/14.4	2146	-19559	SLU 51	8741	30516	36139	2.5	14.22	1099	-19430	SLU 50	8208	27370	38877	2.5	24.89	Si
1426	4X/2Y Ø8/14.4	2146	-19418	SLU 51	8723	30516	36120	2.5	14.22	1099	-19288	SLU 50	8189	27370	38858	2.5	24.89	Si
1455	4X/2Y Ø8/14.4	2146	-19277	SLU 51	8705	30516	36102	2.5	14.22	1099	-19147	SLU 50	8170	27370	38838	2.5	24.89	Si
1484	4X/2Y Ø8/14.4	2146	-19135	SLU 51	8688	30516	36084	2.5	14.22	1099	-19006	SLU 50	8151	27370	38819	2.5	24.89	Si
1513	4X/2Y Ø8/14.4	2146	-18994	SLU 51	8670	30516	36066	2.5	14.22	1099	-18864	SLU 50	8132	27370	38799	2.5	24.89	Si
1542	4X/2Y Ø8/10	2146	-18852	SLU 51	8653	38789	39381	2.2	18.07	1099	-18723	SLU 50	8113	38743	39347	2.45	35.24	Si
1571	4X/2Y Ø8/10	2146	-18711	SLU 51	8635	38789	39361	2.2	18.07	1099	-18582	SLU 50	8095	38743	39327	2.45	35.24	Si
1600	4X/2Y Ø8/10	2146	-18570	SLU 51	8617	38789	39341	2.2	18.07	1099	-18440	SLU 50	8076	38743	39307	2.45	35.24	Si

Verifica a taglio in famiglia SLV

	Direzione X	Direzione Y	Verifica

Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	1377	-95890	SLV 9	15366	51792	52691	2.35	37.62	4255	-87804	SLV 15	15029	48385	55356	2.5	11.37	Si
-111	5X/2Y Ø8/10	1377	-95760	SLV 9	15366	51792	52691	2.35	37.62	4255	-87674	SLV 15	15029	48385	55356	2.5	11.37	Si
-81	5X/2Y Ø8/10	1377	-95628	SLV 9	15366	51792	52691	2.35	37.62	4255	-87541	SLV 15	15029	48385	55356	2.5	11.37	Si
-52	5X/2Y Ø8/10	1377	-95496	SLV 9	15366	51792	52691	2.35	37.62	4255	-87409	SLV 15	15029	48385	55356	2.5	11.37	Si
-22	5X/2Y Ø8/15	1377	-95363	SLV 9	15366	36732	50429	2.5	26.68	4255	-87277	SLV 15	15029	32257	55356	2.5	7.58	Si
7	5X/2Y Ø8/15	1377	-95231	SLV 9	15366	36732	50429	2.5	26.68	4255	-87144	SLV 15	15029	32257	55356	2.5	7.58	Si
36	5X/2Y Ø8/15	1377	-95099	SLV 9	15366	36732	50429	2.5	26.68	4255	-87012	SLV 15	15029	32257	55356	2.5	7.58	Si
66	5X/2Y Ø8/15	1377	-94966	SLV 9	15366	36732	50429	2.5	26.68	4255	-86880	SLV 15	15029	32257	55356	2.5	7.58	Si
95	5X/2Y Ø8/15	1377	-94834	SLV 9	15366	36732	50429	2.5	26.68	4255	-86747	SLV 15	15029	32257	55356	2.5	7.58	Si
125	5X/2Y Ø8/15	1377	-94700	SLV 9	15366	36732	50429	2.5	26.68	4255	-86614	SLV 15	15029	32257	55356	2.5	7.58	Si
154	5X/2Y Ø8/15	1377	-94569	SLV 9	15366	36732	50429	2.5	26.68	4255	-86483	SLV 15	15029	32257	55356	2.5	7.58	Si
184	5X/2Y Ø8/15	1377	-94437	SLV 9	15366	36732	50429	2.5	26.68	4255	-86350	SLV 15	15029	32257	55356	2.5	7.58	Si
213	5X/2Y Ø8/15	1377	-94306	SLV 9	15366	36732	50429	2.5	26.68	4255	-86220	SLV 15	15029	32257	55356	2.5	7.58	Si
242	5X/2Y Ø8/10	1377	-94172	SLV 9	15366	51792	52691	2.35	37.62	4255	-86086	SLV 15	15029	48385	55356	2.5	11.37	Si
272	5X/2Y Ø8/10	1377	-94040	SLV 9	15366	51792	52691	2.35	37.62	4255	-85953	SLV 15	15029	48385	55356	2.5	11.37	Si
301	5X/2Y Ø8/10	1377	-93907	SLV 9	15366	51792	52691	2.35	37.62	4255	-85821	SLV 15	15029	48385	55356	2.5	11.37	Si
331	5X/2Y Ø8/10	1377	-93775	SLV 9	15366	51792	52691	2.35	37.62	4255	-85688	SLV 15	15029	48385	55356	2.5	11.37	Si
360	5X/2Y Ø8/10	1377	-93645	SLV 9	15366	51792	52691	2.35	37.62	4255	-85558	SLV 15	15029	48385	55356	2.5	11.37	Si
380	5X/2Y Ø8/10	2076	-73663	SLV 9	15366	51792	52065	2.35	24.95	2309	-62510	SLV 15	15010	48385	53123	2.5	20.96	Si
409	5X/2Y Ø8/10	2076	-73535	SLV 9	15366	51792	52048	2.35	24.95	2309	-62382	SLV 15	14992	48385	53104	2.5	20.96	Si
438	5X/2Y Ø8/10	2076	-73405	SLV 9	15366	51792	52031	2.35	24.95	2309	-62251	SLV 15	14974	48385	53086	2.5	20.96	Si
467	5X/2Y Ø8/14.4	2076	-73274	SLV 9	15366	38145	49781	2.5	18.37	2309	-62121	SLV 15	14957	33497	53068	2.5	14.51	Si
496	5X/2Y Ø8/14.4	2076	-73144	SLV 9	15366	38145	49764	2.5	18.37	2309	-61990	SLV 15	14939	33497	53049	2.5	14.51	Si
525	5X/2Y Ø8/14.4	2076	-73013	SLV 9	15366	38145	49747	2.5	18.37	2309	-61860	SLV 15	14921	33497	53031	2.5	14.51	Si
554	5X/2Y Ø8/14.4	2076	-72883	SLV 9	15366	38145	49730	2.5	18.37	2309	-61729	SLV 15	14903	33497	53012	2.5	14.51	Si
583	5X/2Y Ø8/14.4	2076	-72752	SLV 9	15366	38145	49713	2.5	18.37	2309	-61599	SLV 15	14885	33497	52994	2.5	14.51	Si
612	5X/2Y Ø8/10	2076	-72622	SLV 9	15366	51792	51925	2.35	24.95	2309	-61468	SLV 15	14867	48385	52975	2.5	20.96	Si
641	5X/2Y Ø8/10	2076	-72491	SLV 9	15366	51792	51908	2.35	24.95	2309	-61338	SLV 15	14850	48385	52957	2.5	20.96	Si
670	5X/2Y Ø8/10	2076	-72361	SLV 9	15366	51792	51890	2.35	24.95	2309	-61207	SLV 15	14832	48385	52938	2.5	20.96	Si
690	5X/2Y Ø8/10	1733	-54051	SLV 9	14296	49588	50914	2.25	28.61	1981	-45742	SLV 15	12718	48385	50752	2.5	24.42	Si
719	5X/2Y Ø8/10	1733	-53922	SLV 9	14280	49588	50896	2.25	28.61	1981	-45614	SLV 15	12701	48385	50734	2.5	24.42	Si
748	5X/2Y Ø8/10	1733	-53792	SLV 9	14264	49588	50878	2.25	28.61	1981	-45484	SLV 15	12683	48385	50715	2.5	24.42	Si
777	5X/2Y Ø8/14.4	1733	-53661	SLV 9	14247	38145	47255	2.5	22.01	1981	-45353	SLV 15	12665	33497	50697	2.5	16.91	Si
806	5X/2Y Ø8/14.4	1733	-53531	SLV 9	14231	38145	47238	2.5	22.01	1981	-45223	SLV 15	12647	33497	50679	2.5	16.91	Si
835	5X/2Y Ø8/14.4	1733	-53400	SLV 9	14215	38145	47221	2.5	22.01	1981	-45092	SLV 15	12629	33497	50660	2.5	16.91	Si
864	5X/2Y Ø8/14.4	1733	-53270	SLV 9	14199	38145	47204	2.5	22.01	1981	-44962	SLV 15	12612	33497	50642	2.5	16.91	Si
893	5X/2Y Ø8/14.4	1733	-53139	SLV 9	14182	38145	47187	2.5	22.01	1981	-44831	SLV 15	12594	33497	50623	2.5	16.91	Si
922	5X/2Y Ø8/10	1733	-53009	SLV 9	14166	49588	50769	2.25	28.61	1981	-44701	SLV 15	12576	48385	50605	2.5	24.42	Si
951	5X/2Y Ø8/10	1733	-52878	SLV 9	14150	49588	50751	2.25	28.61	1981	-44570	SLV 15	12558	48385	50586	2.5	24.42	Si
980	5X/2Y Ø8/10	1733	-52748	SLV 9	14134	49588	50733	2.25	28.61	1981	-44440	SLV 15	12540	48385	50568	2.5	24.42	Si
1000	4X/2Y Ø8/10	1449	-33241	SLV 9	10444	39671	40792	2.25	27.38	1977	-27617	SLV 15	9305	39534	40012	2.5	19.99	Si
1029	4X/2Y Ø8/10	1449	-33134	SLV 9	10431	39671	40777	2.25	27.38	1977	-27511	SLV 15	9291	39534	39998	2.5	19.99	Si
1058	4X/2Y Ø8/10	1449	-33025	SLV 9	10417	39671	40762	2.25	27.38	1977	-27402	SLV 15	9276	39534	39982	2.5	19.99	Si
1087	4X/2Y Ø8/14.4	1449	-32916	SLV 9	10403	30516	37859	2.5	21.06	1977	-27293	SLV 15	9262	27370	39967	2.5	13.84	Si
1116	4X/2Y Ø8/14.4	1449	-32808	SLV 9	10390	30516	37845	2.5	21.06	1977	-27184	SLV 15	9247	27370	39952	2.5	13.84	Si
1145	4X/2Y Ø8/14.4	1449	-32699	SLV 9	10376	30516	37831	2.5	21.06	1977	-27076	SLV 15	9233	27370	39937	2.5	13.84	Si
1174	4X/2Y Ø8/14.4	1449	-32590	SLV 9	10363	30516	37817	2.5	21.06	1977	-26967	SLV 15	9218	27370	39922	2.5	13.84	Si
1203	4X/2Y Ø8/14.4	1449	-32481	SLV 9	10349	30516	37803	2.5	21.06	1977	-26858	SLV 15	9204	27370	39907	2.5	13.84	Si
1232	4X/2Y Ø8/10	1449	-32373	SLV 9	10336	39671	40672	2.25	27.38	1977	-26749	SLV 15	9189	39534	39892	2.5	19.99	Si
1261	4X/2Y Ø8/10	1449	-32264	SLV 9	10322	39671	40657	2.25	27.38	1977	-26641	SLV 15	9174	39534	39877	2.5	19.99	Si
1290	4X/2Y Ø8/10	1449	-32155	SLV 9	10309	39671	40642	2.25	27.38	1977	-26532	SLV 15	9160	39534	39862	2.5	19.99	Si
1310	4X/2Y Ø8/10	2391	-12851	SLV 9	7905	37907	39117	2.15	15.85	1412	-9727	SLV 15	6908	37953	38643	2.4	26.88	Si
1339	4X/2Y Ø8/10	2391	-12744	SLV 9	7892	37907	39102	2.15	15.85	1412	-9620	SLV 15	6894	37953	38628	2.4	26.88	Si
1368	4X/2Y Ø8/10	2391	-12635	SLV 9	7878	37907	39087	2.15	15.85	1412	-9511	SLV 15	6879	37953	38612	2.4	26.88	Si
1397	4X/2Y Ø8/14.4	2391	-12526	SLV 9	7865	30516	35233	2.5	12.76	1412	-9403	SLV 15	6865	27370	37487	2.5	19.39	Si
1426	4X/2Y Ø8/14.4	2391	-12418	SLV 9	7851	30516	35219	2.5	12.76	1412	-9294	SLV 15	6850	27370	37472	2.5	19.39	Si
1455	4X/2Y Ø8/14.4	2391	-12309	SLV 9	7838	30516	35205	2.5	12.76	1412	-9185	SLV 15	6835	27370	37457	2.5	19.39	Si
1484	4X/2Y Ø8/14.4	2391	-12200	SLV 9	7824	30516	35191	2.5	12.76	1412	-9076	SLV 15	6821	27370	37442	2.5	19.39	Si
1513	4X/2Y Ø8/14.4	2391	-12091	SLV 9	7811	30516	35177	2.5	12.76	1412	-8968	SLV 15	6806	27370	37427	2.5	19.39	Si
1542	4X/2Y Ø8/10	2391	-11983	SLV 9	7797	37907	38993	2.15	15.85	1412	-8859	SLV 15	6792	37953	38519	2.4	26.88	Si
1571	4X/2Y Ø8/10	2391	-11874	SLV 9	7784	37907	38978	2.15	15.85	1412	-8750	SLV 15	6777	37953	38503	2.4	26.88	Si
1600	4X/2Y Ø8/10	2391	-11765	SLV 9	7770	37907	38962	2.15	15.85	1412	-8641	SLV 15	6763	37953	38488	2.4	26.88	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	702	-89863	SLD 9	18754	55098	50429	2.5	71.87	2064	-86709	SLD 15	18317	48385	55356	2.5	23.44	Si
-111	5X/2Y Ø8/10	702	-89733	SLD 9	18738	55098	50429	2.5	71.87	2064	-86578	SLD 15	18299	48385	55356	2.5	23.44	Si
-81	5X/2Y Ø8/10	702	-89601	SLD 9	18722	55098	50429	2.5	71.87	2064	-86446	SLD 15	18281	48385	55356	2.5	23.44	Si
-52	5X/2Y Ø8/10	702	-89469	SLD 9	18705	55098	50429	2.5	71.87	2064	-86314	SLD 15	18263	48385	55356	2.5	23.44	Si
-22	5X/2Y Ø8/15	702	-89336	SLD 9	18689	36732	50429	2.5	52.35	2064	-86181	SLD 15	18245	32257	55356	2.5	15.63	Si
7	5X/2Y Ø8/15	702	-89204	SLD 9	18672	36732	50429	2.5	52.35	2064	-86049	SLD 15	18227	32257	55356	2.5	15.63	Si
36	5X/2Y Ø8/15	702	-89071	SLD 9	18656	36732	50429	2.5	52.35	2064	-85917	SLD 15	18209	32257	55356	2.5	15.63	Si
66	5X/2Y Ø8/15	702	-88939	SLD 9	18639	36732	50429	2.5	52.35	2064	-85784	SLD 15	18191	32257	55356	2.5	15.63	Si
95	5X/2Y Ø8/15	702	-88807	SLD 9	18623	36732	50429	2.5	52.35	2064	-85652	SLD 15	18173	32257	55356	2.5	15.63	Si
125	5X/2Y Ø8/15	702	-88673	SLD 9	18606	36732	50429	2.5	52.35	2064	-85518	SLD 15	18154	32257	55356	2.5	15.63	Si
154	5X/2Y Ø8/15	702	-88542	SLD 9	18590	36732	50429	2.5	52.35	2064	-85387	SLD 15	18136	32257	55356	2.5	15.63	Si
184	5X/2Y Ø8/15	702	-88410	SLD 9	18573	36732	50429	2.5	52.35	2064	-85255	SLD 15	18118	32257	55356	2.5	15.63	Si
213	5X/2Y Ø8/15	702	-88279	SLD 9	18557	36732	50429	2.5	52.35	2064	-85125	SLD 15	18100	32257	55356	2.5	15.63	Si
242	5X/2Y Ø8/10	702	-88145	SLD 9	18541	55098	50429	2.5	71.87	2064	-84990	SLD 15	18082	48385	55356	2.5	23.44	Si
272	5X/2Y Ø8/10	702	-88013	SLD 9	18524	55098	50429	2.5	71.87	2064	-84858	SLD 15	18064	48385	55356	2.5	23.44	Si
301	5X/2Y Ø8/10	702	-87880	SLD 9	18508	55098	50429	2.5	71.87	2064	-84726	SLD 15	18046	48385	55356	2.5	23.44	Si
331	5X/2Y Ø8/10	702	-87748	SLD 9	18491	55098	50429	2.5	71.87	2064	-84593	SLD 15	18028	48385	55356	2.5	23.44	Si
360	5X/2Y Ø8/10	702	-87618	SLD 9	18475	55098	50429	2.5	71.87	2064	-84463	SLD 15	18010	48385	55356	2.5	23.44	Si
380	5X/2Y Ø8/10	1314	-70170	SLD 9	16303	55098	49381	2.5	37.59	1076	-65805	SLD 15	15460	48385	53588	2.5	44.98	Si
409	5X/2Y Ø8/10	1314	-70042	SLD 9	16287	55098	49364	2.5	37.58	1076	-65676	SLD 15	15443	48385	53570	2.5	44.98	Si
438	5X/2Y Ø8/10	1314	-69911	SLD 9	16270	55098	49348	2.5	37.56	1076	-65546	SLD 15	15425	48385	53552	2.5	44.98	Si
467	5X/2Y Ø8/14.4	1314	-69781	SLD 9	16254	38145	49331	2.5	29.04	1076	-65415	SLD 15	15407	33497	53533	2.5	31.14	Si
496	5X/2Y Ø8/14.4	1314	-69650	SLD 9	16238	38145	49314	2.5	29.04	1076	-65285	SLD 15	15389	33497	53515	2.5	31.14	Si
525	5X/2Y Ø8/14.4	1314	-69520	SLD 9	16222	38145	49297	2.5	29.04	1076	-65154	SLD 15	15371	33497	53496	2.5	31.14	Si
554	5X/2Y Ø8/14.4	1314	-69389	SLD 9	16205	38145	49280	2.5	29.04	1076	-65024	SLD 15	15353	33497	53478	2.5	31.14	Si
583	5X/2Y Ø8/14.4	1314	-69259	SLD 9	16189	38145	49263	2.5	29.04	1076	-64893	SLD 15	15336	33497	53460	2.5	31.14	Si
612	5X/2Y Ø8/10	1314	-69128	SLD 9	16173	55098	49247	2.5	37.49	1076	-64763	SLD 15	15318	48385	53441	2.5	44.98	Si
641	5X/2Y Ø8/10	1314	-68998	SLD 9	16157	55098	49230	2.5	37.47	1076	-64632	SLD 15	15300	48385	53423	2.5	44.98	Si
670	5X/2Y Ø8/10	1314	-68867	SLD 9	16140	55098	49213	2.5	37.46	1076	-64502	SLD 15	15282	48385	53404	2.5	44.98	Si
690	5X/2Y Ø8/10	1040	-51470	SLD 9	13974	55098	46972	2.5	45.15	1030	-48207	SLD 15	13055	48385	51101	2.5	46.97	Si
719	5X/2Y Ø8/10	1040	-51342	SLD 9	13959	55098	46956	2.5	45.13	1030	-48079	SLD 15	13038	48385	51082	2.5	46.97	Si
748	5X/2Y Ø8/10	1040	-51211	SLD 9	13942	55098	46939	2.5	45.12	1030	-47948	SLD 15	13020	48385	51064	2.5	46.97	Si
777	5X/2Y Ø8/14.4	1040	-51081	SLD 9	13926	38145	46922	2.5	36.66	1030	-47818	SLD 15	13002	33497	51045	2.5	32.52	Si
806	5X/2Y Ø8/14.4	1040	-50950	SLD 9	13910	38145	46905	2.5	36.66	1030	-47687	SLD 15	12984	33497	51027	2.5	32.52	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
835	5X/2Y Ø8/14.4	1040	-50820	SLD 9	13894	38145	46889	2.5	36.66	1030	-47557	SLD 15	12966	33497	51009	2.5	32.52	Si
864	5X/2Y Ø8/14.4	1040	-50689	SLD 9	13877	38145	46872	2.5	36.66	1030	-47426	SLD 15	12948	33497	50990	2.5	32.52	Si
893	5X/2Y Ø8/14.4	1040	-50559	SLD 9	13861	38145	46855	2.5	36.66	1030	-47296	SLD 15	12931	33497	50972	2.5	32.52	Si
922	5X/2Y Ø8/10	1040	-50428	SLD 9	13845	55098	46838	2.5	45.02	1030	-47165	SLD 15	12913	48385	50953	2.5	46.97	Si
951	5X/2Y Ø8/10	1040	-50298	SLD 9	13829	55098	46821	2.5	45	1030	-47035	SLD 15	12895	48385	50935	2.5	46.97	Si
980	5X/2Y Ø8/10	1040	-50167	SLD 9	13812	55098	46805	2.5	44.99	1030	-46904	SLD 15	12877	48385	50916	2.5	46.97	Si
1000	4X/2Y Ø8/10	895	-31500	SLD 9	10227	44078	37677	2.5	42.09	1286	-29284	SLD 15	9529	39534	40243	2.5	30.75	Si
1029	4X/2Y Ø8/10	895	-31394	SLD 9	10214	44078	37663	2.5	42.08	1286	-29177	SLD 15	9514	39534	40228	2.5	30.75	Si
1058	4X/2Y Ø8/10	895	-31285	SLD 9	10200	44078	37649	2.5	42.06	1286	-29068	SLD 15	9500	39534	40213	2.5	30.75	Si
1087	4X/2Y Ø8/14.4	895	-31176	SLD 9	10187	30516	37635	2.5	34.09	1286	-28959	SLD 15	9485	27370	40198	2.5	21.29	Si
1116	4X/2Y Ø8/14.4	895	-31067	SLD 9	10173	30516	37621	2.5	34.09	1286	-28850	SLD 15	9471	27370	40183	2.5	21.29	Si
1145	4X/2Y Ø8/14.4	895	-30959	SLD 9	10160	30516	37607	2.5	34.09	1286	-28742	SLD 15	9456	27370	40168	2.5	21.29	Si
1174	4X/2Y Ø8/14.4	895	-30850	SLD 9	10146	30516	37593	2.5	34.09	1286	-28633	SLD 15	9441	27370	40153	2.5	21.29	Si
1203	4X/2Y Ø8/14.4	895	-30741	SLD 9	10133	30516	37579	2.5	34.09	1286	-28524	SLD 15	9427	27370	40138	2.5	21.29	Si
1232	4X/2Y Ø8/10	895	-30632	SLD 9	10119	44078	37565	2.5	41.97	1286	-28415	SLD 15	9412	39534	40123	2.5	30.75	Si
1261	4X/2Y Ø8/10	895	-30524	SLD 9	10106	44078	37551	2.5	41.95	1286	-28307	SLD 15	9398	39534	40108	2.5	30.75	Si
1290	4X/2Y Ø8/10	895	-30415	SLD 9	10092	44078	37537	2.5	41.94	1286	-28198	SLD 15	9383	39534	40093	2.5	30.75	Si
1310	4X/2Y Ø8/10	1689	-11895	SLD 9	7786	44078	35151	2.5	20.81	956	-10660	SLD 15	7033	39534	37662	2.5	39.38	Si
1339	4X/2Y Ø8/10	1689	-11788	SLD 9	7773	44078	35138	2.5	20.8	956	-10553	SLD 15	7019	39534	37647	2.5	39.36	Si
1368	4X/2Y Ø8/10	1689	-11679	SLD 9	7759	44078	35124	2.5	20.8	956	-10444	SLD 15	7004	39534	37632	2.5	39.35	Si
1397	4X/2Y Ø8/14.4	1689	-11570	SLD 9	7746	30516	35110	2.5	18.07	956	-10336	SLD 15	6990	27370	37617	2.5	28.62	Si
1426	4X/2Y Ø8/14.4	1689	-11462	SLD 9	7732	30516	35096	2.5	18.07	956	-10227	SLD 15	6975	27370	37602	2.5	28.62	Si
1455	4X/2Y Ø8/14.4	1689	-11353	SLD 9	7719	30516	35082	2.5	18.07	956	-10118	SLD 15	6960	27370	37587	2.5	28.62	Si
1484	4X/2Y Ø8/14.4	1689	-11244	SLD 9	7705	30516	35068	2.5	18.07	956	-10009	SLD 15	6946	27370	37572	2.5	28.62	Si
1513	4X/2Y Ø8/14.4	1689	-11135	SLD 9	7692	30516	35054	2.5	18.07	956	-9901	SLD 15	6931	27370	37556	2.5	28.62	Si
1542	4X/2Y Ø8/10	1689	-11027	SLD 9	7678	44078	35040	2.5	20.75	956	-9792	SLD 15	6917	39534	37541	2.5	39.25	Si
1571	4X/2Y Ø8/10	1689	-10918	SLD 9	7665	44078	35026	2.5	20.74	956	-9683	SLD 15	6902	39534	37526	2.5	39.24	Si
1600	4X/2Y Ø8/10	1689	-10809	SLD 9	7651	44078	35012	2.5	20.73	956	-9574	SLD 15	6888	39534	37511	2.5	39.22	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	-176856	-67647	-98935	SLE RA 12	-61.6	-176856	-67647	-98935	SLE RA 12	-869.3	Si
-111	-156853	-58410	-98804	SLE RA 12	-59.8	-156853	-58410	-98804	SLE RA 12	-848.5	Si
-81	-136503	-49013	-98672	SLE RA 12	-57.9	-136503	-49013	-98672	SLE RA 12	-827.3	Si
-52	-116154	-39617	-98540	SLE RA 12	-56	-116154	-39617	-98540	SLE RA 12	-806.2	Si
-22	-95804	-30220	-98407	SLE RA 12	-54.1	-95804	-30220	-98407	SLE RA 12	-785.1	Si
7	-75455	-20823	-98275	SLE RA 12	-52.2	-75455	-20823	-98275	SLE RA 12	-763.9	Si
36	-55105	-11427	-98143	SLE RA 12	-50.4	-55105	-11427	-98143	SLE RA 12	-742.8	Si
66	-34756	-2030	-98010	SLE RA 12	-48.5	-34756	-2030	-98010	SLE RA 12	-721.6	Si
95	-15138	7577	-97766	SLE RA 10	-47.9	-14406	7367	-97878	SLE RA 12	-713.5	Si
125	8672	17819	-97610	SLE RA 13	-48.5	8672	17819	-97610	SLE RA 13	-717.5	Si
154	26293	26160	-97613	SLE RA 12	-50.1	26293	26160	-97613	SLE RA 12	-735.2	Si
184	46642	35557	-97481	SLE RA 12	-51.8	46642	35557	-97481	SLE RA 12	-754.4	Si
213	66687	44812	-97351	SLE RA 12	-53.6	66687	44812	-97351	SLE RA 12	-773.4	Si
242	87341	54350	-97216	SLE RA 12	-55.4	87341	54350	-97216	SLE RA 12	-792.9	Si
272	107691	63747	-97084	SLE RA 12	-57.1	107691	63747	-97084	SLE RA 12	-812.2	Si
301	128040	73143	-96952	SLE RA 12	-58.9	128040	73143	-96952	SLE RA 12	-831.4	Si
331	148390	82540	-96819	SLE RA 12	-60.6	148390	82540	-96819	SLE RA 12	-850.7	Si
360	168393	91777	-96689	SLE RA 12	-62.4	168393	91777	-96689	SLE RA 12	-869.6	Si
380	-148631	-159317	-78570	SLE RA 13	-59	-148631	-159317	-78570	SLE RA 13	-788.5	Si
409	-134852	-133650	-78442	SLE RA 13	-55.9	-134852	-133650	-78442	SLE RA 13	-756.8	Si
438	-120831	-107533	-78311	SLE RA 13	-52.8	-120831	-107533	-78311	SLE RA 13	-724.6	Si
467	-106810	-81415	-78181	SLE RA 13	-49.7	-106810	-81415	-78181	SLE RA 13	-692.4	Si
496	-92790	-55298	-78050	SLE RA 13	-46.6	-92790	-55298	-78050	SLE RA 13	-660.2	Si
525	-78769	-29181	-77920	SLE RA 13	-43.5	-78769	-29181	-77920	SLE RA 13	-628	Si
554	-64748	-3063	-77789	SLE RA 13	-40.4	-64748	-3063	-77789	SLE RA 13	-595.8	Si
583	-50728	23054	-77659	SLE RA 13	-41.5	-50728	23054	-77659	SLE RA 13	-604.3	Si
612	-36707	49171	-77528	SLE RA 13	-43.1	-36707	49171	-77528	SLE RA 13	-618.3	Si
641	-22309	78267	-77502	SLE RA 12	-45.1	-22309	78267	-77502	SLE RA 12	-635.4	Si
670	-12825	105651	-77372	SLE RA 12	-47.1	-12825	105651	-77372	SLE RA 12	-653.1	Si
690	-16759	-94682	-58342	SLE RA 12	-37.2	-16759	-94682	-58342	SLE RA 12	-509.9	Si
719	-4131	-75079	-58214	SLE RA 12	-34.8	-4131	-75079	-58214	SLE RA 12	-484.7	Si
748	12090	-55848	-58010	SLE RA 13	-33.3	12090	-55848	-58010	SLE RA 13	-470.5	Si
777	24618	-36009	-57880	SLE RA 13	-32	24618	-36009	-57880	SLE RA 13	-459.3	Si
806	37147	-16170	-57749	SLE RA 13	-30.7	37147	-16170	-57749	SLE RA 13	-448.2	Si
835	47268	4708	-57692	SLE RA 12	-30.1	47268	4708	-57692	SLE RA 12	-443.6	Si
864	60118	24655	-57562	SLE RA 12	-32.5	60118	24655	-57562	SLE RA 12	-467.8	Si
893	72968	44601	-57431	SLE RA 12	-34.9	72968	44601	-57431	SLE RA 12	-492	Si
922	85818	64548	-57301	SLE RA 12	-37.2	85818	64548	-57301	SLE RA 12	-516.2	Si
951	98668	84495	-57170	SLE RA 12	-39.5	98668	84495	-57170	SLE RA 12	-539.3	Si
980	111518	104441	-57040	SLE RA 12	-39.7	111518	104441	-57040	SLE RA 12	-536.2	Si
1000	-158753	-98775	-36119	SLE RA 12	-41.2	-158753	-98775	-36119	SLE RA 12	-527.8	Si
1029	-129824	-82105	-36012	SLE RA 12	-38.1	-129824	-82105	-36012	SLE RA 12	-496	Si
1058	-100388	-65144	-35904	SLE RA 12	-34.7	-100388	-65144	-35904	SLE RA 12	-460.1	Si
1087	-70951	-48182	-35795	SLE RA 12	-30.7	-70951	-48182	-35795	SLE RA 12	-417.2	Si
1116	-41515	-31220	-35686	SLE RA 12	-26.8	-41515	-31220	-35686	SLE RA 12	-374.4	Si
1145	-12078	-14258	-35577	SLE RA 12	-22.8	-12078	-14258	-35577	SLE RA 12	-331.5	Si
1174	17358	2703	-35469	SLE RA 12	-21.9	17358	2703	-35469	SLE RA 12	-322.5	Si
1203	46794	19665	-35360	SLE RA 12	-25.7	46794	19665	-35360	SLE RA 12	-363.5	Si
1232	76231	36627	-35251	SLE RA 12	-29.5	76231	36627	-35251	SLE RA 12	-404.5	Si
1261	105667	53588	-35142	SLE RA 12	-33.3	105667	53588	-35142	SLE RA 12	-445.5	Si
1290	135104	70550	-35034	SLE RA 12	-37.2	135104	70550	-35034	SLE RA 12	-486.4	Si
1310	-114231	-161265	-14232	SLE RA 12	-43.2	-114231	-161265	-14232	SLE RA 12	-460.6	Si
1339	-92497	-117795	-14125	SLE RA 12	-27.5	-92497	-117795	-14125	SLE RA 12	-322.4	Si
1368	-70383	-73563	-14016	SLE RA 12	-21	-70383	-73563	-14016	SLE RA 12	-256.3	Si
1397	-48268	-29330	-13907	SLE RA 12	-14.5	-48268	-29330	-13907	SLE RA 12	-190.2	Si
1426	-26153	14902	-13798	SLE RA 12	-11.4	-26153	14902	-13798	SLE RA 12	-155.9	Si
1455	-4038	59135	-13690	SLE RA 12	-14.7	-4038	59135	-13690	SLE RA 12	-184.4	Si
1484	18077	103367	-13581	SLE RA 12	-20.5	18077	103367	-13581	SLE RA 12	-242.1	Si
1513	40192	147600	-13472	SLE RA 12	-26.8	40192	147600	-13472	SLE RA 12	-306.4	Si
1542	62307	191832	-13363	SLE RA 12	-43.9	62307	191832	-13363	SLE RA 12	458.2	Si
1571	84422	236065	-13255	SLE RA 12	-56.1	84422	236065	-13255	SLE RA 12	735.9	Si
1600	106537	280297	-13146	SLE RA 12	-59.8	106537	280297	-13146	SLE RA 12	790	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²

Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	-170435	-53361	-86004	SLE QP 2	-53.9	Si
-111	-151907	-45748	-85874	SLE QP 2	-52.2	Si
-81	-133058	-38004	-85742	SLE QP 2	-50.6	Si
-52	-114210	-30260	-85609	SLE QP 2	-48.9	Si
-22	-95361	-22515	-85477	SLE QP 2	-47.2	Si
7	-76512	-14771	-85345	SLE QP 2	-45.6	Si
36	-57664	-7027	-85212	SLE QP 2	-43.9	Si
66	-38815	717	-85080	SLE QP 2	-42.4	Si
95	-19966	8461	-84948	SLE QP 2	-42.1	Si
125	-929	16283	-84814	SLE QP 2	-41.9	Si
154	17731	23950	-84683	SLE QP 2	-43.3	Si
184	36579	31694	-84551	SLE QP 2	-44.9	Si
213	55145	39322	-84420	SLE QP 2	-46.4	Si
242	74277	47182	-84286	SLE QP 2	-47.9	Si
272	93125	54926	-84154	SLE QP 2	-49.5	Si
301	111974	62670	-84021	SLE QP 2	-51	Si
331	130823	70415	-83889	SLE QP 2	-52.6	Si
360	149351	78027	-83759	SLE QP 2	-54.1	Si
380	-84996	-146659	-67927	SLE QP 2	-49.8	Si
409	-77154	-123141	-67799	SLE QP 2	-47.2	Si
438	-69174	-99210	-67669	SLE QP 2	-44.5	Si
467	-61195	-75279	-67538	SLE QP 2	-41.9	Si
496	-53215	-51349	-67408	SLE QP 2	-39.3	Si
525	-45235	-27418	-67277	SLE QP 2	-36.7	Si
554	-37256	-3487	-67147	SLE QP 2	-34	Si
583	-29276	20443	-67016	SLE QP 2	-35.1	Si
612	-21296	44374	-66886	SLE QP 2	-36.9	Si
641	-13317	68305	-66755	SLE QP 2	-38.6	Si
670	-5337	92235	-66625	SLE QP 2	-40.4	Si
690	-20209	-81503	-49807	SLE QP 2	-32.1	Si
719	-8984	-64530	-49679	SLE QP 2	-30	Si
748	2439	-47260	-49548	SLE QP 2	-28	Si
777	13862	-29990	-49418	SLE QP 2	-26.9	Si
806	25284	-12720	-49287	SLE QP 2	-25.8	Si
835	36707	4550	-49157	SLE QP 2	-25.5	Si
864	48129	21820	-49026	SLE QP 2	-27.6	Si
893	59552	39090	-48896	SLE QP 2	-29.7	Si
922	70975	56360	-48765	SLE QP 2	-31.7	Si
951	82397	73630	-48635	SLE QP 2	-33.7	Si
980	93820	90900	-48504	SLE QP 2	-33.9	Si
1000	-130280	-87829	-30375	SLE QP 2	-34.9	Si
1029	-106525	-72602	-30268	SLE QP 2	-32.3	Si
1058	-82353	-57108	-30159	SLE QP 2	-29.3	Si
1087	-58182	-41613	-30051	SLE QP 2	-25.8	Si
1116	-34010	-26119	-29942	SLE QP 2	-22.4	Si
1145	-9838	-10625	-29833	SLE QP 2	-19	Si
1174	14334	4870	-29724	SLE QP 2	-18.6	Si
1203	38506	20364	-29616	SLE QP 2	-21.9	Si
1232	62678	35858	-29507	SLE QP 2	-25.2	Si
1261	86850	51353	-29398	SLE QP 2	-28.5	Si
1290	111022	66847	-29289	SLE QP 2	-31.8	Si
1310	-95652	-133687	-11276	SLE QP 2	-36.1	Si
1339	-77337	-98757	-11170	SLE QP 2	-22.6	Si
1368	-58701	-63214	-11061	SLE QP 2	-17.4	Si
1397	-40065	-27671	-10952	SLE QP 2	-12.1	Si
1426	-21428	7873	-10843	SLE QP 2	-8.6	Si
1455	-2792	43416	-10735	SLE QP 2	-11.2	Si
1484	15844	78959	-10626	SLE QP 2	-15.9	Si
1513	34480	114502	-10517	SLE QP 2	-21.1	Si
1542	53116	150045	-10408	SLE QP 2	-34.9	Si
1571	71753	185589	-10300	SLE QP 2	-44.9	Si
1600	90389	221132	-10191	SLE QP 2	-48	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

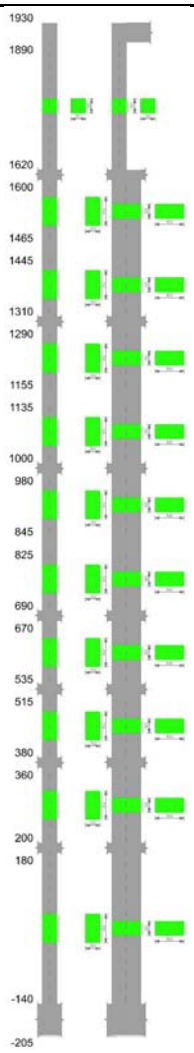
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.

Pilastro 41

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	180	R 30x60	No	No	No	No		C30/37	B450C	
200	360	R 30x60	No	No	No	No		C30/37	B450C	
380	515	R 30x60	No	No	No	No		C30/37	B450C	
535	670	R 30x60	No	No	No	No		C30/37	B450C	
690	825	R 30x60	No	No	No	No		C30/37	B450C	
845	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1135	R 30x60	No	No	No	No		C30/37	B450C	
1155	1290	R 30x60	No	No	No	No		C30/37	B450C	
1310	1445	R 30x60	No	No	No	No		C30/37	B450C	
1465	1600	R 30x60	No	No	No	No		C30/37	B450C	
1620	1890	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.5	-9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.6	-9.67	-24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.67	-24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.7	9.67	24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.7	-9.67	24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.9	-9.9	0	1.6	2.011	1310	1620	R 30x60	B450C
p.9	9.9	0	1.6	2.011	1310	1620	R 30x60	B450C
p.11	-9.67	-24.67	1.6	2.011	1620.1	1930	R 30x30_1	B450C
p.11	9.67	-24.67	1.6	2.011	1620.1	1930	R 30x30_1	B450C
p.11	9.67	-5.33	1.6	2.011	1620.1	1930	R 30x30_1	B450C
p.11	-9.67	-5.33	1.6	2.011	1620.1	1930	R 30x30_1	B450C
p.12	-9.9	-15	1.6	2.011	1620.1	1930	R 30x30_1	B450C
p.12	9.9	-15	1.6	2.011	1620.1	1930	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	568942	193956	-96978	1674912	570989	SLU 52	2.944	Si
-111	20.11	2.2	0	1,2	484147	193622	-96811	1476565	590513	SLU 52	3.05	Si
-82	20.11	1.1	0	2	397870	193281	-96641	1254676	609511	SLU 52	3.153	Si
-53	20.11	1.1	0	2	311592	192941	-96471	1014180	627992	SLU 52	3.255	Si
-24	20.11	1.1	0	2	208489	-193954	-96977	693902	-645528	SLU 51	3.328	Si
5	20.11	1.1	0	2	193614	-193614	-96807	647491	-647491	SLU 51	3.344	Si
35	20.11	1.1	0	2	193273	-193273	-96637	647491	-647491	SLU 51	3.35	Si
64	20.11	1.1	0	2	-192933	-192933	-96467	-647491	-647491	SLU 51	3.356	Si
93	20.11	1.1	0	2	-192593	-192593	-96296	-647491	-647491	SLU 51	3.362	Si
122	20.11	1.1	0	2	-194106	-192252	-96126	-653482	-647241	SLU 51	3.367	Si
151	20.11	1.1	0	2	-274625	-191912	-95956	-908187	-634654	SLU 51	3.307	Si
180	20.11	1.1	0	2	-377149	-190224	-95112	-1214844	-612736	SLU 52	3.221	Si
200	20.11	1.1	0	2	-178739	178739	-89370	-647491	647491	SLU 51	3.623	Si
232	20.11	1.1	0	2	-178371	178371	-89185	-647491	647491	SLU 51	3.63	Si
264	20.11	1.1	0	2	-177996	177996	-88998	-647491	647491	SLU 51	3.638	Si
296	20.11	1.1	0	2	177622	177622	-88811	647491	647491	SLU 51	3.645	Si
328	20.11	1.1	0	2	177247	177247	-88624	647491	647491	SLU 51	3.653	Si
360	20.11	1.1	0	2	176879	176879	-88439	647491	647491	SLU 51	3.661	Si
380	20.11	2.2	0	2,3	187441	-157789	-78894	763236	-642494	SLU 51	4.072	Si
414	20.11	2.2	0	2,3	157400	-157400	-78700	647491	-647491	SLU 51	4.114	Si
448	20.11	1.1	0	3	157005	-157005	-78502	647491	-647491	SLU 51	4.124	Si
481	20.11	1.1	0	3	-156610	-156610	-78305	-647491	-647491	SLU 51	4.134	Si
515	20.11	1.1	0	3	-156215	-156215	-78108	-647491	-647491	SLU 51	4.145	Si
535	20.11	1.1	0	3	170375	143184	-71592	764439	642441	SLU 51	4.487	Si
569	20.11	1.1	0	3	163652	142795	-71398	737634	643628	SLU 51	4.507	Si
603	20.11	1.1	0	3	156827	142401	-71200	710155	644827	SLU 51	4.528	Si
636	20.11	1.1	0	3	150003	142006	-71003	682399	646019	SLU 51	4.549	Si
670	20.11	1.1	0	3	143178	141611	-70805	654367	647204	SLU 51	4.57	Si
690	20.11	2.2	0	3,4	113492	-121237	-56746	640720	-684449	SLU 51	5.646	Si
724	20.11	2.2	0	3,4	-113103	-126891	-56551	-635357	-712817	SLU 51	5.618	Si
758	20.11	1.1	0	4	-112708	-132631	-56354	-629684	-740991	SLU 51	5.587	Si
791	20.11	1.1	0	4	-181975	-138370	-56156	-982774	-747280	SLU 51	5.401	Si
825	20.11	1.1	0	4	-253740	-144109	-55959	-1308869	-743360	SLU 51	5.158	Si
845	20.11	1.1	0	4	98356	98356	-49178	647491	647491	SLU 51	6.583	Si
879	20.11	1.1	0	4	97967	97967	-48983	647491	647491	SLU 51	6.609	Si
913	20.11	1.1	0	4	97572	97572	-48786	647491	647491	SLU 51	6.636	Si
946	20.11	1.1	0	4	97177	97177	-48589	647491	647491	SLU 51	6.663	Si
980	20.11	1.1	0	4	96782	96782	-48391	647491	647491	SLU 51	6.69	Si
1000	20.11	2.2	0	4,5	165466	-83686	-38852	1278648	-646688	SLU 51	7.728	Si
1034	20.11	2.2	0	4,5	77315	-94366	-38658	625237	-763125	SLU 51	8.087	Si
1068	20.11	1.1	0	5	-76920	-105207	-38460	-610480	-834977	SLU 51	7.937	Si
1101	20.11	1.1	0	5	-124034	-116048	-38263	-941324	-880711	SLU 51	7.589	Si
1135	20.11	1.1	0	5	-221013	-126888	-38065	-1517821	-871414	SLU 51	6.868	Si
1155	20.11	1.1	0	5	110464	116627	-31046	967904	1021907	SLU 51	8.762	Si
1189	20.11	1.1	0	5	86869	109711	-30851	792438	1000809	SLU 51	9.122	Si
1223	20.11	1.1	0	5	62918	102690	-30654	595848	972495	SLU 51	9.47	Si
1256	20.11	1.1	0	5	60913	95669	-30456	590865	928012	SLU 51	9.7	Si
1290	20.11	1.1	0	5	60233	91037	-30116	596533	901612	SLU 52	9.904	Si
1310	20.11	1.8	0	5,6,7,9	104839	-73129	-20647	1340017	-934713	SLU 51	12.782	Si
1344	14.75	1.8	0	5,6,7,9	40905	-88583	-20453	507080	-1098105	SLU 51	12.396	Si
1378	12.06	0.7	0	6,7,9	-56279	-104268	-20255	-628370	-1164174	SLU 51	11.165	Si
1411	12.06	0.7	0	6,7,9	-137440	-119954	-20058	-1285617	-1122050	SLU 51	9.354	Si
1445	12.06	0.7	0	6,7,9	-218600	-135639	-19860	-1665339	-1033325	SLU 51	7.618	Si
1465	12.06	0.7	0	6,7,9	146292	108880	-12657	1487887	1107376	SLU 52	10.171	Si
1499	12.06	0.7	0	6,7,9	141881	103448	-12463	1511271	1101897	SLU 52	10.652	Si
1533	12.06	0.7	0	6,7,9	137403	97935	-12265	1537514	1095872	SLU 52	11.19	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1566	12.1	1.1	0	6,7,8,9	132925	92421	-12068	1567612	1089945	SLU 52	11.793	Si
1600	24.75	2	0	6,7,8,9,10	128447	86908	-11870	1902347	1287139	SLU 52	14.81	Si
1620	4.02	0.4	0	10	156980	-10129	-5065	322463	-20807	SLU 51	2.054	Si
1650	8.76	1.8	0	10,11,12	108166	-9957	-4978	613780	-56499	SLU 51	5.674	Si
1680	12.06	1.3	0	11,12	58524	-9781	-4891	811382	-135609	SLU 51	13.864	Si
1710	12.06	1.3	0	11,12	10014	-10014	-5007	316346	-316346	SLU 47	31.589	Si
1740	12.06	1.3	0	11,12	-41470	9789	-4894	-758029	178930	SLU 48	18.279	Si
1770	12.06	1.3	0	11,12	-90400	9255	-4627	-776084	79452	SLU 51	8.585	Si
1800	12.06	1.3	0	11,12	-140042	9079	-4540	-713135	46234	SLU 51	5.092	Si
1830	12.06	1.3	0	11,12	-189684	8904	-4452	-665086	31219	SLU 51	3.506	Si
1860	12.06	1.3	0	11,12	-239325	8728	-4364	-632677	23074	SLU 51	2.644	Si
1890	12.06	1.3	0	11,12	-288967	8553	-4276	-611660	18104	SLU 51	2.117	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	1767205	-12729	-83878	-2.02	1.92	2782975	-20045	SLV 9	1.575				Si
-111	20.11	2.2	0	1,2	1548589	-19321	-83749	-2.02	1.92	2739799	-34184	SLV 9	1.769				Si
-82	20.11	1.1	0	2	1326160	-24624	-83618	-2.02	1.92	2664632	-49477	SLV 9	2.009				Si
-53	20.11	1.1	0	2	947901	135474	-88082	-2.02	1.92	2157869	308402	SLV 5	2.276				Si
-24	20.11	1.1	0	2	753896	117697	-87951	-2.02	1.92	1929511	301233	SLV 5	2.559				Si
5	20.11	1.1	0	2	559900	103232	-87820	-2.02	1.92	1601156	295215	SLV 5	2.86				Si
35	20.11	1.1	0	2	365926	92102	-87689	-2.02	1.92	1170633	294645	SLV 5	3.199				Si
64	20.11	1.1	0	2	215004	-133223	-82964	-2.02	1.92	747480	-463161	SLV 9	3.477				Si
93	20.11	1.1	0	2	-11798	-60971	-87427	-2.02	1.92	-44435	-229632	SLV 5	3.766				Si
122	20.11	1.1	0	2	-234950	-146259	-82702	-2.02	1.92	-798531	-497095	SLV 9	3.399				Si
151	20.11	1.1	0	2	-455221	-155002	-82571	-2.02	1.92	-1366820	-465401	SLV 9	3.003				Si
180	20.11	1.1	0	2	-673371	-165257	-82442	-2.02	1.92	-1785698	-438242	SLV 9	2.652				Si
200	20.11	1.1	0	2	-17772	358511	-66258	-2.02	1.92	-59937	1209060	SLV 1	3.372				Si
232	20.11	1.1	0	2	-64230	170213	-77102	-2.02	1.92	-244613	648234	SLV 5	3.808				Si
264	20.11	1.1	0	2	84694	124474	-76958	-2.02	1.92	339204	498523	SLV 5	4.005				Si
296	20.11	1.1	0	2	154937	90674	-76814	-2.02	1.92	622057	364046	SLV 5	4.015				Si
328	20.11	1.1	0	2	295353	37852	-73440	-2.02	1.92	1185007	151868	SLV 9	4.012				Si
360	20.11	1.1	0	2	348006	-60881	-76528	-2.02	1.92	1277447	-223478	SLV 5	3.671				Si
380	20.11	2.2	0	2,3	559413	-49134	-66813	-2.02	1.92	1978985	-173818	SLV 9	3.538				Si
414	20.11	2.2	0	2,3	309884	-112972	-66663	-2.02	1.92	1213237	-442300	SLV 9	3.915				Si
448	20.11	1.1	0	3	47666	-130797	-70166	-2.02	1.92	207780	-570159	SLV 5	4.359				Si
481	20.11	1.1	0	3	-233262	-164236	-70014	-2.02	1.92	-872736	-614478	SLV 5	3.741				Si
515	20.11	1.1	0	3	-485254	-202439	-69862	-2.02	1.92	-1496808	-624440	SLV 5	3.085				Si
535	20.11	1.1	0	3	28614	197708	-59756	-2.02	1.92	128197	885779	SLV 5	4.48				Si
569	20.11	1.1	0	3	158406	163425	-59606	-2.02	1.92	691785	713706	SLV 5	4.367				Si
603	20.11	1.1	0	3	211229	141587	-57112	-2.02	1.92	943993	632759	SLV 9	4.469				Si
636	20.11	1.1	0	3	259534	140157	-56961	-2.02	1.92	1124330	607175	SLV 9	4.332				Si
670	20.11	1.1	0	3	315316	70699	-56809	-2.02	1.92	1439291	322714	SLV 9	4.565				Si
690	20.11	2.2	0	3,4	347588	-66485	-48022	-2.02	1.92	1724359	-329826	SLV 9	4.961				Si
724	20.11	2.2	0	3,4	112407	-131108	-47872	-2.02	1.92	618777	-721721	SLV 9	5.505				Si
758	20.11	1.1	0	4	-151864	-146873	-50441	-2.02	1.92	-761965	-736925	SLV 5	5.017				Si
791	20.11	1.1	0	4	-341902	-187086	-50289	-2.02	1.92	-1379735	-754980	SLV 5	4.035				Si
825	20.11	1.1	0	4	-545439	-234686	-50137	-2.02	1.92	-1712484	-736829	SLV 5	3.14				Si
845	20.11	1.1	0	4	-74668	153189	-40097	-2.02	1.92	-455096	933677	SLV 5	6.095				Si
879	20.11	1.1	0	4	-38405	129736	-39948	-2.02	1.92	-254836	860856	SLV 5	6.635				Si
913	20.11	1.1	0	4	105205	121155	-38366	-2.02	1.92	686851	790986	SLV 9	6.529				Si
946	20.11	1.1	0	4	135688	129215	-38214	-2.02	1.92	846129	805765	SLV 9	6.236				Si
980	20.11	1.1	0	4	-86941	218396	-24075	-2.02	1.92	-516425	1297258	SLV 15	5.94				Si
1000	20.11	2.2	0	4,5	374005	11740	-33525	-2.02	1.92	2365839	74261	SLV 5	6.326				Si
1034	20.11	2.2	0	4,5	157116	-96035	-33376	-2.02	1.92	1116551	-682473	SLV 5	7.107				Si
1068	20.11	1.1	0	5	-112417	-124679	-33224	-2.02	1.92	-786727	-872542	SLV 5	6.998				Si
1101	20.11	1.1	0	5	-310866	-168473	-33072	-2.02	1.92	-1524461	-826178	SLV 5	4.904				Si
1135	20.11	1.1	0	5	-516042	-217147	-32920	-2.02	1.92	-1759342	-740321	SLV 5	3.409				Si
1155	20.11	1.1	0	5	179447	123198	-16372	-2.02	1.92	1374425	943603	SLV 3	7.659				Si
1189	20.11	1.1	0	5	-70062	113453	-23175	-2.02	1.92	-645280	1044908	SLV 9	9.21				Si
1223	20.11	1.1	0	5	-41348	122619	-23023	-2.02	1.92	-385151	1142170	SLV 9	9.315				Si
1256	20.11	1.1	0	5	5893	168337	-20516	-2.02	1.92	49332	1409195	SLV 13	8.371				Si
1290	20.11	1.1	0	5	-55829	211287	-17750	-2.02	1.92	-362560	1372121	SLV 15	6.494				Si
1310	20.11	1.8	0	5,6,7,9	-103934	-95763	-7204	-2.02	1.92	-1112624	-1025148	SLV 11	10.705				Si
1344	14.75	1.8	0	5,6,7,9	39790	-100073	-14386	-2.02	1.92	465694	-1171226	SLV 1	11.704				Si
1378	12.06	0.7	0	6,7,9	-163416	-112353	-16409	-2.02	1.92	-1258029	-864929	SLV 5	7.698				Si
1411	12.06	0.7	0	6,7,9	-336785	-156051	-16257	-2.02	1.92	-1456596	-674920	SLV 5	4.325				Si
1445	12.06	0.7	0	6,7,9	-510957	-202257	-16105	-2.02	1.92	-1306262	-517070	SLV 5	2.557				Si
1465	12.06	0.7	0	6,7,9	279021	25275	-7273	-2.02	1.92	1762474	159655	SLV 7	6.317				Si
1499	12.06	0.7	0	6,7,9	-82521	109081	-7209	-2.02	1.92	-731916	967489	SLV 9	8.869				Si
1533	12.06	0.7	0	6,7,9	148315	99857	-7706	-2.02	1.92	1157680	779438	SLV 15	7.806				Si
1566	12.1	1.1	0	6,7,8,9	87208	142592	-7463	-2.02	1.92	532089	870010	SLV 13	6.101				Si
1600	24.75	2	0	6,7,8,9,10	97876	166413	-7402	-2.02	1.92	698650	1187870	SLV 15	7.138				Si
1620	4.02	0.4	0	10	159875	18593	-3181	-2.02	1.92	247238	28752	SLV 5	1.546				Si
1650	8.76	1.8	0	10,11,12	112136	16888	-3114	-2.02	1.92	362435	54584	SLV 5	3.232				Si
1680	12.06	1.3	0	11,12	57956	31873	-3122	-2.02	1.92	491846	270493	SLV 9	8.486				Si
1710	12.06	1.3	0	11,12	12173	28063	-3055	-2.02	1.92	251976	580915	SLV 9	20.7				Si
1740	12.06	1.3	0	11,12	-35505	24253	-2987	-2.02	1.92	-472448	322729	SLV 9	13.307				Si
1770	12.06	1.3	0	11,12	-83393	20444	-2920	-2.02	1.92	-518957	127221	SLV 9	6.223				Si
1800	12.06	1.3	0	11,12	-131810	16634	-2852	-2.02	1.92	-480768	60673	SLV 9	3.647				Si
1830	12.06	1.3	0	11,12	-180351	12826	-2785	-2.02	1.92	-462875	32919	SLV 9	2.567				Si
1860	12.06	1.3	0	11,12	-228936	9021	-2717	-2.02	1.92	-452541	17832	SLV 9	1.977				Si
1890	12.06	1.3	0	11,12	-277543	5227	-2650	-2.02	1.92	-445976	8399	SLV 9	1.607				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	780478	90174	-70869	2221237	256636	SLD 5	2.846	Si
-111	20.11	2.2	0	1,2	678148	77263	-70740	2093587	238527	SLD 5	3.087	Si
-82	20.11	1.1	0	2	574030	64683	-70609	1920445	216401	SLD 5	3.346	Si
-53	20.11	1.1	0	2	469915	52918	-70478	1700259	191468	SLD 5	3.618	Si
-24	20.11	1.1	0	2	365804	42250	-70347	1434956	165734	SLD 5	3.923	Si
5	20.11	1.1	0	2	261701	32887	-70216	1119327	140664	SLD 5	4.277	Si
35	20.11	1.1	0	2	157618	24856	-70085	739825	116671	SLD 5	4.694	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
64	20.11	1.1	0	2	53615	-30457	-69954	252360	-143361	SLD 5	4.707	Si
93	20.11	1.1	0	2	-46394	-42841	-69824	-218782	-202025	SLD 5	4.716	Si
122	20.11	1.1	0	2	-163039	-79839	-67898	-726934	-355972	SLD 9	4.459	Si
151	20.11	1.1	0	2	-277399	-87008	-67767	-1131467	-354894	SLD 9	4.079	Si
180	20.11	1.1	0	2	-390610	-94802	-67638	-1465945	-355788	SLD 9	3.753	Si
200	20.11	1.1	0	2	-102189	118279	-63428	-473889	548500	SLD 5	4.637	Si
232	20.11	1.1	0	2	-51107	98340	-63287	-253754	488267	SLD 5	4.965	Si
264	20.11	1.1	0	2	29949	79802	-63143	156013	415718	SLD 5	5.209	Si
296	20.11	1.1	0	2	69655	66686	-62999	361143	345747	SLD 5	5.185	Si
328	20.11	1.1	0	2	139358	40652	-61580	723766	211132	SLD 9	5.194	Si
360	20.11	1.1	0	2	198016	42902	-61438	975891	211435	SLD 9	4.928	Si
380	20.11	2.2	0	2,3	287025	-52358	-55206	1399640	-255317	SLD 9	4.876	Si
414	20.11	2.2	0	2,3	163116	-81700	-55056	849135	-425307	SLD 9	5.206	Si
448	20.11	1.1	0	3	33156	-87225	-56343	186752	-491305	SLD 5	5.633	Si
481	20.11	1.1	0	3	-109862	-99618	-56191	-571452	-518166	SLD 5	5.202	Si
515	20.11	1.1	0	3	-234984	-114315	-56039	-1086278	-528451	SLD 5	4.623	Si
535	20.11	1.1	0	3	107643	129014	-46816	606141	726485	SLD 1	5.631	Si
569	20.11	1.1	0	3	124468	109223	-49727	687369	603184	SLD 5	5.522	Si
603	20.11	1.1	0	3	143967	100173	-48639	806859	561416	SLD 9	5.604	Si
636	20.11	1.1	0	3	159660	99755	-48488	885148	553037	SLD 9	5.544	Si
670	20.11	1.1	0	3	178628	68286	-48336	1029780	393666	SLD 9	5.765	Si
690	20.11	2.2	0	3,4	152676	-67834	-39705	1038644	-461474	SLD 9	6.803	Si
724	20.11	2.2	0	3,4	37016	-98560	-39555	266236	-708897	SLD 9	7.193	Si
758	20.11	1.1	0	4	-100830	-104145	-40485	-662149	-683915	SLD 5	6.567	Si
791	20.11	1.1	0	4	-197472	-120340	-40333	-1142437	-696201	SLD 5	5.785	Si
825	20.11	1.1	0	4	-301783	-139891	-40182	-1507491	-698797	SLD 5	4.995	Si
845	20.11	1.1	0	4	50044	104953	-31995	404718	848785	SLD 1	8.087	Si
879	20.11	1.1	0	4	48697	86950	-31846	416103	742970	SLD 1	8.545	Si
913	20.11	1.1	0	4	70387	79630	-33056	582706	659220	SLD 9	8.279	Si
946	20.11	1.1	0	4	81465	82008	-32904	663203	667620	SLD 9	8.141	Si
980	20.11	1.1	0	4	98410	45208	-32753	867284	398416	SLD 9	8.813	Si
1000	20.11	2.2	0	4,5	210766	-26946	-27299	1849408	-236447	SLD 5	8.775	Si
1034	20.11	2.2	0	4,5	93679	-75395	-27150	868130	-698692	SLD 5	9.267	Si
1068	20.11	1.1	0	5	-54278	-88097	-26998	-512876	-832434	SLD 5	9.449	Si
1101	20.11	1.1	0	5	-163942	-107097	-26846	-1247839	-815166	SLD 5	7.611	Si
1135	20.11	1.1	0	5	-277917	-128405	-26694	-1654830	-764577	SLD 5	5.954	Si
1155	20.11	1.1	0	5	73586	102406	-18777	769421	1070760	SLD 1	10.456	Si
1189	20.11	1.1	0	5	13927	83617	-20127	170761	1025250	SLD 5	12.261	Si
1223	20.11	1.1	0	5	10150	89770	-19300	124865	1104353	SLD 13	12.302	Si
1256	20.11	1.1	0	5	44449	87204	-20071	510874	1002269	SLD 9	11.493	Si
1290	20.11	1.1	0	5	-20304	117173	-17958	-221672	1279246	SLD 15	10.918	Si
1310	20.11	1.8	0	5,6,7,9	130173	-27640	-13845	1945146	-413017	SLD 5	14.943	Si
1344	14.75	1.8	0	5,6,7,9	26362	-73851	-12840	397612	-1113876	SLD 1	15.083	Si
1378	12.06	0.7	0	6,7,9	-83120	-82527	-13543	-965591	-958700	SLD 5	11.617	Si
1411	12.06	0.7	0	6,7,9	-179737	-103473	-13391	-1377129	-792797	SLD 5	7.662	Si
1445	12.06	0.7	0	6,7,9	-276933	-125739	-13240	-1470617	-667720	SLD 5	5.31	Si
1465	12.06	0.7	0	6,7,9	126530	68198	-7080	1368519	737612	SLD 3	10.816	Si
1499	12.06	0.7	0	6,7,9	137168	39661	-7152	1846367	533863	SLD 7	13.461	Si
1533	12.06	0.7	0	6,7,9	104100	72995	-7287	1192289	836029	SLD 15	11.453	Si
1566	12.1	1.1	0	6,7,8,9	80262	87481	-7098	873735	952327	SLD 13	10.886	Si
1600	24.75	2	0	6,7,8,9,10	84775	94446	-6983	1034601	1152629	SLD 15	12.204	Si
1620	4.02	0.4	0	10	117007	6760	-3050	278035	16064	SLD 5	2.376	Si
1650	8.76	1.8	0	10,11,12	81465	6226	-2984	416183	31809	SLD 5	5.109	Si
1680	12.06	1.3	0	11,12	42946	12827	-2947	582432	173958	SLD 9	13.562	Si
1710	12.06	1.3	0	11,12	7991	11394	-2880	298346	425391	SLD 9	37.336	Si
1740	12.06	1.3	0	11,12	-27863	9960	-2812	-574491	205362	SLD 9	20.618	Si
1770	12.06	1.3	0	11,12	-63693	8527	-2745	-601245	80492	SLD 9	9.44	Si
1800	12.06	1.3	0	11,12	-99776	7094	-2677	-521456	37075	SLD 9	5.226	Si
1830	12.06	1.3	0	11,12	-135915	5661	-2610	-487408	20303	SLD 9	3.586	Si
1860	12.06	1.3	0	11,12	-172075	4230	-2542	-469074	11531	SLD 9	2.726	Si
1890	12.06	1.3	0	11,12	-208244	2804	-2475	-457684	6162	SLD 9	2.198	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-556	-90641	SLU 46	15366	51792	52691	2.35	93.11	-2966	-96978	SLU 52	15029	48385	55356	2.5	16.31	Si
-111	5X/2Y Ø8/10	-556	-90474	SLU 46	15366	51792	52691	2.35	93.11	-2966	-96811	SLU 52	15029	48385	55356	2.5	16.31	Si
-82	5X/2Y Ø8/10	-556	-90303	SLU 46	15366	51792	52691	2.35	93.11	-2966	-96641	SLU 52	15029	48385	55356	2.5	16.31	Si
-53	5X/2Y Ø8/10	-556	-90133	SLU 46	15366	51792	52691	2.35	93.11	-2966	-96471	SLU 52	15029	48385	55356	2.5	16.31	Si
-24	5X/2Y Ø8/15	-556	-89963	SLU 46	15366	36732	50429	2.5	66.04	-2966	-96300	SLU 52	15029	32257	55356	2.5	10.88	Si
5	5X/2Y Ø8/15	-556	-89793	SLU 46	15366	36732	50429	2.5	66.04	-2966	-96130	SLU 52	15029	32257	55356	2.5	10.88	Si
35	5X/2Y Ø8/15	-556	-89623	SLU 46	15366	36732	50429	2.5	66.04	-2966	-95960	SLU 52	15029	32257	55356	2.5	10.88	Si
64	5X/2Y Ø8/15	-556	-89452	SLU 46	15366	36732	50429	2.5	66.04	-2966	-95790	SLU 52	15029	32257	55356	2.5	10.88	Si
93	5X/2Y Ø8/15	-556	-89282	SLU 46	15366	36732	50429	2.5	66.04	-2966	-95620	SLU 52	15029	32257	55356	2.5	10.88	Si
122	5X/2Y Ø8/15	-556	-89112	SLU 46	15366	36732	50429	2.5	66.04	-2966	-95449	SLU 52	15029	32257	55356	2.5	10.88	Si
151	5X/2Y Ø8/15	-556	-88942	SLU 46	15366	36732	50429	2.5	66.04	-2966	-95279	SLU 52	15029	32257	55356	2.5	10.88	Si
180	5X/2Y Ø8/15	-556	-88775	SLU 46	15366	36732	50429	2.5	66.04	-2966	-95112	SLU 52	15029	32257	55356	2.5	10.88	Si
200	5X/2Y Ø8/15	245	-61649	SLU 15	15242	36732	48283	2.5	150.1	1261	-89370	SLU 51	15029	32257	55356	2.5	25.59	Si
232	5X/2Y Ø8/15	245	-61507	SLU 15	15224	36732	48265	2.5	150.1	1261	-89185	SLU 51	15029	32257	55356	2.5	25.59	Si
264	5X/2Y Ø8/10	240	-44878	SLU 2	13154	49588	49642	2.25	207.02	1261	-88998	SLU 51	15029	48385	55356	2.5	38.38	Si
296	5X/2Y Ø8/10	240	-44734	SLU 2	13136	49588	49622	2.25	207.02	1261	-88811	SLU 51	15029	48385	55356	2.5	38.38	Si
328	5X/2Y Ø8/10	240	-44590	SLU 2	13118	49588	49602	2.25	207.02	1261	-88624	SLU 51	15029	48385	55356	2.5	38.38	Si
360	5X/2Y Ø8/10	240	-44448	SLU 2	13100	48486	50328	2.2	202.42	1261	-88439	SLU 51	15029	48385	55356	2.5	38.38	Si
380	5X/2Y Ø8/10	-216	-64442	SLU 39	15366	50690	51582	2.3	234.97	-2321	-78894	SLU 51	15029	48385	55356	2.5	20.85	Si
414	5X/2Y Ø8/10	-216	-64247	SLU 39	15366	50690	51555	2.3	234.97	-2321	-78700	SLU 51	15029	48385	55356	2.5	20.85	Si
448	5X/2Y Ø8/10	-216	-64050	SLU 39	15366	50690	51528	2.3	234.97	-2321	-78502	SLU 51	15029	48385	55356	2.5	20.85	Si
481	5X/2Y Ø8/14.4	-216	-63853	SLU 39	15366	38145	48567	2.5	176.81	-2321	-78305	SLU 51	15029	33497	55356	2.5	14.44	Si
515	5X/2Y Ø8/14.4	-216	-63655	SLU 39	15366	38145	48542	2.5	176.81	-2321	-78108	SLU 51	15029	33497	55328	2.5	14.44	Si
535	5X/2Y Ø8/14.4	-151	-58665	SLU 38	14870	38145	47899	2.5	251.92	-244	-70523	SLU 50	15029	33497	54255	2.5	137.48	Si
569	5X/2Y Ø8/14.4	-151	-58471	SLU 38	14846	38145	47874	2.5	251.92	-244	-70328	SLU 50	15029	33497	54228	2.5	137.48	Si
603	5X/2Y Ø8/10	-151	-58273	SLU 38	14821	50690	50739	2.3	334.78	-244	-70131	SLU 50	15029	48385	54200	2.5	198.59	Si
636	5X/2Y Ø8/10	-151	-58076	SLU 38	14797	50690	50712	2.3	334.78	-244	-69934	SLU 50	15029	48385	54172	2.5	198.59	Si
670	5X/2Y Ø8/10	-151	-57878	SLU 38	14772	49588	51444	2.25	327.5	-244	-69736	SLU 50	15029	48385	54144	2.5	198.59	Si
690	5X/2Y Ø8/10	-236	-47147	SLU 38	13436	49588	49957	2.25	209.85	-2126	-56746	SLU 51	14222	48385	52308	2.5	22.75	Si
724	5X/2Y Ø8/10	-236	-46953	SLU 38	13412	49588	49930	2.25	209.85	-2126	-56551	SLU 51	14196	48385	52280	2.5	22.75	Si
758	5X/2Y Ø8/10	-236	-46755	SLU 38	13387	49588	49902	2.25	209.85	-2126	-56354	SLU 51	14169	48385	52252	2.5	22.75	Si
791	5X/2Y Ø8/14.4	-236	-46558	SLU 38	13363	38145	46340	2.5	161.43	-2126	-56156	SLU 51	14142	33497	52224	2.5	15.75	Si
825	5X/2Y Ø8/14.4	-236	-46360	SLU 38	13338	38145	46314	2.5	161.43	-2126	-55959	SLU 51	14115	33497	52196	2.5	15.75	Si
845	5X/2Y Ø8/14.4	-176	-40481	SLU 38	12606	38145	45557	2.5	217.14	-289	-40541	SLU 19	12007	33497	50017	2.5	115.84	Si
879	5X/2Y Ø8/14.4	-176	-40286	SLU 38	12582	38145	45532	2.5	217.14	-289	-40391	SLU 19	11987	33497	49996	2.5	115.84	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
913	5X/2Y Ø8/10	-176	-40089	SLU 38	12557	48486	49714	2.2	276	-289	-40239	SLU 19	11966	48385	49974	2.5	167.33	Si
946	5X/2Y Ø8/10	-176	-39891	SLU 38	12533	48486	49687	2.2	276	-289	-40087	SLU 19	11946	48385	49953	2.5	167.33	Si
980	5X/2Y Ø8/10	-176	-39694	SLU 38	12508	48486	49659	2.2	276	-289	-39936	SLU 19	11925	48385	49931	2.5	167.33	Si
1000	5X/2Y Ø8/10	-393	-32568	SLU 39	11621	48486	48656	2.2	123.37	-2873	-38852	SLU 51	11777	48385	49778	2.5	16.84	Si
1034	5X/2Y Ø8/10	-393	-32374	SLU 39	11597	48486	48629	2.2	123.37	-2873	-38658	SLU 51	11750	48385	49750	2.5	16.84	Si
1068	5X/2Y Ø8/10	-393	-32176	SLU 39	11572	48486	48601	2.2	123.37	-2873	-38460	SLU 51	11723	48385	49723	2.5	16.84	Si
1101	5X/2Y Ø8/14.4	-393	-31979	SLU 39	11548	38145	44462	2.5	97.05	-2873	-38263	SLU 51	11696	33497	49695	2.5	11.66	Si
1135	5X/2Y Ø8/14.4	-393	-31782	SLU 39	11523	38145	44437	2.5	97.05	-2873	-38065	SLU 51	11669	33497	49667	2.5	11.66	Si
1155	5X/2Y Ø8/14.4	-259	-25971	SLU 38	10800	38145	43688	2.5	147.12	-839	-30380	SLU 50	10619	33497	48580	2.5	39.94	Si
1189	5X/2Y Ø8/14.4	-259	-25776	SLU 38	10776	38145	43663	2.5	147.12	-839	-30186	SLU 50	10592	33497	48553	2.5	39.94	Si
1223	5X/2Y Ø8/10	-259	-25579	SLU 38	10751	47384	48392	2.15	182.75	-837	-27947	SLU 45	10286	47417	48942	2.45	56.64	Si
1256	5X/2Y Ø8/10	-259	-25381	SLU 38	10726	47384	48363	2.15	182.75	-837	-27750	SLU 45	10259	47417	48914	2.45	56.64	Si
1290	5X/2Y Ø8/10	-259	-25184	SLU 38	10702	47384	48335	2.15	182.75	-837	-27552	SLU 45	10232	47417	48886	2.45	56.64	Si
1310	2X/2Y Ø8/10	-506	-18133	SLU 39	9824	22039	42679	2.5	43.57	-2405	-20647	SLU 51	9289	47417	47895	2.45	19.72	Si
1344	2X/2Y Ø8/10	-506	-17938	SLU 39	9800	22039	42654	2.5	43.57	-2405	-20453	SLU 51	9262	47417	47867	2.45	19.72	Si
1378	2X/2Y Ø8/10	-506	-17741	SLU 39	9775	22039	42628	2.5	43.57	-2405	-20255	SLU 51	9235	47417	47839	2.45	19.72	Si
1411	2X/2Y Ø8/14.4	-506	-17543	SLU 39	9751	15258	42603	2.5	30.16	-2405	-20058	SLU 51	9208	33497	47121	2.5	13.93	Si
1445	2X/2Y Ø8/14.4	-506	-17346	SLU 39	9726	15258	42577	2.5	30.16	-2405	-19860	SLU 51	9181	33497	47093	2.5	13.93	Si
1465	2X/2Y Ø8/14.4	-209	-12189	SLU 47	9084	15258	41913	2.5	73.1	-245	-9877	SLU 19	7817	33497	45681	2.5	136.63	Si
1499	2X/2Y Ø8/14.4	-209	-11995	SLU 47	9060	15258	41888	2.5	73.1	-245	-9727	SLU 19	7796	33497	45660	2.5	136.63	Si
1533	2X/2Y Ø8/10	-209	-11797	SLU 47	9035	22039	41863	2.5	105.6	-245	-9575	SLU 19	7776	46450	46989	2.4	189.46	Si
1566	2X/2Y Ø8/10	-209	-11600	SLU 47	9011	22039	41837	2.5	105.6	-245	-9423	SLU 19	7755	46450	46967	2.4	189.46	Si
1600	2X/2Y Ø8/10	-209	-11402	SLU 47	8986	22039	41812	2.5	105.6	-245	-9271	SLU 19	7734	46450	46945	2.4	189.46	Si
1620	2X/2Y Ø8/10	0	-3516	SLU 5	4221	21158	21235	2.4	1000	-1655	-5065	SLU 51	2849	12746	12916	2.4	7.7	Si
1650	2X/2Y Ø8/10	0	-3450	SLU 5	4213	21158	21226	2.4	1000	-1655	-4978	SLU 51	4374	20959	21227	2.4	12.67	Si
1680	2X/2Y Ø8/10	0	-3382	SLU 5	4204	21158	21217	2.4	1000	-1655	-4891	SLU 51	4363	20959	21215	2.4	12.67	Si
1710	2X/2Y Ø8/10	0	-3315	SLU 5	4196	21158	21208	2.4	1000	-1655	-4803	SLU 51	4353	20959	21204	2.4	12.67	Si
1740	2X/2Y Ø8/10	0	-3247	SLU 5	4188	21158	21199	2.4	1000	-1655	-4715	SLU 51	4342	20959	21192	2.4	12.67	Si
1770	2X/2Y Ø8/10	0	-3180	SLU 5	4179	21158	21190	2.4	1000	-1655	-4627	SLU 51	4331	20959	21181	2.4	12.67	Si
1800	2X/2Y Ø8/10	0	-3112	SLU 5	4171	21158	21181	2.4	1000	-1655	-4540	SLU 51	4320	20959	21169	2.4	12.67	Si
1830	2X/2Y Ø8/10	0	-3045	SLU 5	4162	21158	21172	2.4	1000	-1655	-4452	SLU 51	4309	20959	21158	2.4	12.67	Si
1860	2X/2Y Ø8/10	0	-2977	SLU 5	4154	21158	21163	2.4	1000	-1655	-4364	SLU 51	4298	20959	21146	2.4	12.67	Si
1890	2X/2Y Ø8/10	0	-2910	SLU 5	4145	20717	21468	2.35	1000	-1655	-4276	SLU 51	4288	20959	21135	2.4	12.67	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-1345	-75235	SLV 1	15366	51792	52277	2.35	38.51	-7647	-83878	SLV 9	15029	48385	55356	2.5	6.33	Si
-111	5X/2Y Ø8/10	-1345	-75106	SLV 1	15366	51792	52260	2.35	38.51	-7647	-83749	SLV 9	15029	48385	55356	2.5	6.33	Si
-82	5X/2Y Ø8/10	-1345	-74976	SLV 1	15366	51792	52242	2.35	38.51	-7647	-83618	SLV 9	15029	48385	55356	2.5	6.33	Si
-53	5X/2Y Ø8/10	-1345	-74845	SLV 1	15366	51792	52224	2.35	38.51	-7647	-83487	SLV 9	15029	48385	55356	2.5	6.33	Si
-24	5X/2Y Ø8/15	-1345	-74714	SLV 1	15366	36732	49966	2.5	27.31	-7647	-83356	SLV 9	15029	32257	55356	2.5	4.22	Si
5	5X/2Y Ø8/15	-1345	-74583	SLV 1	15366	36732	49949	2.5	27.31	-7647	-83225	SLV 9	15029	32257	55356	2.5	4.22	Si
35	5X/2Y Ø8/15	-1345	-74452	SLV 1	15366	36732	49932	2.5	27.31	-7647	-83094	SLV 9	15029	32257	55356	2.5	4.22	Si
64	5X/2Y Ø8/15	-1345	-74321	SLV 1	15366	36732	49915	2.5	27.31	-7647	-82964	SLV 9	15029	32257	55356	2.5	4.22	Si
93	5X/2Y Ø8/15	-1345	-74190	SLV 1	15366	36732	49899	2.5	27.31	-7647	-82833	SLV 9	15029	32257	55356	2.5	4.22	Si
122	5X/2Y Ø8/15	-1345	-74059	SLV 1	15366	36732	49882	2.5	27.31	-7647	-82702	SLV 9	15029	32257	55356	2.5	4.22	Si
151	5X/2Y Ø8/15	-1345	-73928	SLV 1	15366	36732	49865	2.5	27.31	-7647	-82571	SLV 9	15029	32257	55356	2.5	4.22	Si
180	5X/2Y Ø8/15	-1345	-73800	SLV 1	15366	36732	49848	2.5	27.31	-7647	-82442	SLV 9	15029	32257	55356	2.5	4.22	Si
200	5X/2Y Ø8/15	-3137	-66258	SLV 1	15366	36732	48877	2.5	11.71	3699	-74014	SLV 9	15029	32257	54749	2.5	8.72	Si
232	5X/2Y Ø8/15	-3137	-66116	SLV 1	15366	36732	48859	2.5	11.71	3699	-73872	SLV 9	15029	32257	54729	2.5	8.72	Si
264	5X/2Y Ø8/10	3017	-42558	SLV 15	12865	48486	50062	2.2	16.07	3699	-73728	SLV 9	15029	48385	54709	2.5	13.08	Si
296	5X/2Y Ø8/10	3017	-42414	SLV 15	12847	48486	50042	2.2	16.07	3699	-73584	SLV 9	15029	48385	54688	2.5	13.08	Si
328	5X/2Y Ø8/10	3017	-42270	SLV 15	12829	48486	50021	2.2	16.07	3699	-73440	SLV 9	15029	48385	54668	2.5	13.08	Si
360	5X/2Y Ø8/10	3017	-42128	SLV 15	12811	48486	50001	2.2	16.07	3699	-73298	SLV 9	15029	48385	54648	2.5	13.08	Si
380	5X/2Y Ø8/10	1925	-35404	SLV 15	11974	48486	49055	2.2	25.19	-7671	-66813	SLV 9	15029	48385	53731	2.5	6.31	Si
414	5X/2Y Ø8/10	1925	-35255	SLV 15	11956	48486	49034	2.2	25.19	-7671	-66663	SLV 9	15029	48385	53710	2.5	6.31	Si
448	5X/2Y Ø8/10	1925	-35103	SLV 15	11937	48486	49013	2.2	25.19	-7671	-66511	SLV 9	15029	48385	53688	2.5	6.31	Si
481	5X/2Y Ø8/14.4	1925	-34951	SLV 15	11918	38145	44845	2.5	19.82	-7671	-66359	SLV 9	15029	33497	53667	2.5	4.37	Si
515	5X/2Y Ø8/14.4	1925	-34799	SLV 15	11899	38145	44825	2.5	19.82	-7671	-66208	SLV 9	15029	33497	53645	2.5	4.37	Si
535	5X/2Y Ø8/14.4	-1928	-51912	SLV 1	14030	38145	47029	2.5	19.79	-2051	-29540	SLV 7	10504	33497	48461	2.5	16.33	Si
569	5X/2Y Ø8/14.4	-1928	-51763	SLV 1	14011	38145	47010	2.5	19.79	-2051	-29390	SLV 7	10484	33497	48440	2.5	16.33	Si
603	5X/2Y Ø8/10	-1928	-51611	SLV 1	13992	49588	50575	2.25	25.72	-2051	-29238	SLV 7	10463	48385	48419	2.5	23.59	Si
636	5X/2Y Ø8/10	-1928	-51459	SLV 1	13973	49588	50554	2.25	25.72	-2051	-29086	SLV 7	10442	48385	48397	2.5	23.59	Si
670	5X/2Y Ø8/10	-1928	-51307	SLV 1	13954	49588	50533	2.25	25.72	-2051	-28935	SLV 7	10421	47417	49084	2.45	23.12	Si
690	5X/2Y Ø8/10	-2146	-43385	SLV 1	12968	48486	50178	2.2	22.59	-7055	-48022	SLV 9	13030	48385	51074	2.5	6.86	Si
724	5X/2Y Ø8/10	-2146	-43235	SLV 1	12949	48486	50157	2.2	22.59	-7055	-47872	SLV 9	13009	48385	51053	2.5	6.86	Si
758	5X/2Y Ø8/10	-2146	-43083	SLV 1	12930	48486	50136	2.2	22.59	-7055	-47720	SLV 9	12989	48385	51032	2.5	6.86	Si
791	5X/2Y Ø8/14.4	-2146	-42931	SLV 1	12911	38145	45873	2.5	17.78	-7055	-47569	SLV 9	12968	33497	51010	2.5	4.75	Si
825	5X/2Y Ø8/14.4	-2146	-42780	SLV 1	12893	38145	45853	2.5	17.78	-7055	-47417	SLV 9	12947	33497	50989	2.5	4.75	Si
845	5X/2Y Ø8/14.4	-1894	-35133	SLV 1	11941	38145	44868	2.5	20.14	-2122	-21146	SLV 7	9357	33497	47275	2.5	15.79	Si
879	5X/2Y Ø8/14.4	-1894	-34983	SLV 1	11922	38145	44849	2.5	20.14	-2122	-20996	SLV 7	9336	33497	47253	2.5	15.79	Si
913	5X/2Y Ø8/10	-1894	-34832	SLV 1	11903	48486	48975	2.2	25.61	-2122	-20844	SLV 7	9316	47417	47923	2.45	22.35	Si
946	5X/2Y Ø8/10	-1894	-34680	SLV 1	11884	48486	48953	2.2	25.61	-2122	-20692	SLV 7	9295	47417	47902	2.45	22.35	Si
980	5X/2Y Ø8/10	-1894	-34528	SLV 1	11865	48486	48932	2.2	25.61	-2122	-20540	SLV 7	9274	47417	47880	2.45	22.35	Si
1000	5X/2Y Ø8/10	-1822	-28934	SLV 1	11169	47384	48871	2.15	26	-7063	-31801	SLV 9	10813	48385	48781	2.5	6.85	Si
1034	5X/2Y Ø8/10	-1822	-28784	SLV 1	11150	47384	48849	2.15	26	-7063	-31651	SLV 9	10793	48385	48760	2.5	6.85	Si
1068	5X/2Y Ø8/10	-1822	-28632	SLV 1	11131	47384	48828	2.15	26	-7063	-31499	SLV 9	10772	48385	48738	2.5	6.85	Si
1101	5X/2Y Ø8/14.4	-1822	-28481	SLV 1	11112	38145	44012	2.5	20.93	-7063	-31347	SLV 9	10751	33497	48717	2.5	4.74	Si
1135	5X/2Y Ø8/14.4	-1822	-28329	SLV 1	11093	38145	43992	2.5	20.93	-7063	-31196	SLV 9	10730	33497	48695	2.5	4.74	Si
1155	5X/2Y Ø8/14.4	-1630	-18986	SLV 1	9930	38145	42789	2.5	23.41	-2044	-14016	SLV 7	8382	33497	46267	2.5	16.39	Si
1189	5X/2Y Ø8/14.4	-1630	-18836	SLV 1	9912	38145	42769	2.5	23.41	-2044	-13867	SLV 7	8362	33497	46246	2.5	16.39	Si
1223	5X/2Y Ø8/10	-1630	-18684	SLV 1	9893	47384	47407	2.15	29.08	-2044	-13715	SLV 7	8341	46450	47592	2.4	22.73	Si
1256	5X/2Y Ø8/10	-1630	-18533	SLV 1	9874	47384	47385	2.15	29.08	-2044	-13563	SLV 7	8321	46450	47570	2.4	22.73	Si
1290	5X/2Y Ø8/10	-1630	-18381	SLV 1	9855	46282	48079	2.1	28.4	-2044	-13411	SLV 7	8300	46450	47547	2.4	22.73	Si
1310	2X/2Y Ø8/10	-1597	-14535	SLV 1	9376	22039	42215	2.5	13.8	-6007	-16710	SLV 5	8751	46450	48028	2.4	7.73	Si
1344	2X/2Y Ø8/10	-1597	-14386	SLV 1	9357	22039	42196	2.5	13.8	-6007	-16561	SLV 5	8730	46450	48006	2.4	7.73	Si
1378	2X/2Y Ø8/10	-1597	-14234	SLV 1	9339	22039	42177	2.5	13.8	-6007	-16409	SLV 5	8709	46450	47984	2.4	7.73	Si
1411	2X/2Y Ø8/14.4	-1597	-14082	SLV 1	9320	15258	42157	2.5	9.55	-6007	-16257	SLV 5	8689	33497	46583	2.5	5.58	Si
1445	2X/2Y Ø8/14.4	-1597	-13930	SLV 1	9301	15258	42138	2.5	9.55	-6007	-16105	SLV 5	8668	33497	46562	2.5	5.58	Si
1465	2X/2Y Ø8/14.4	-1059	-6624	SLV 1	8391	15258	41197	2.5	14.4	1401	-7359	SLV 9	7473	33497	45326	2.5	23.91	Si
1499	2X/2Y Ø8/14.4	-1059	-6475	SLV 1	8373	15258	41177	2.5	14.4	1401	-7209	SLV 9	7452	33497	45304	2.5	23.91	Si
1533	2X/2Y Ø8/10	-1059	-6323	SLV 1	8354	22039	41158	2.5	20.81	1401	-7057	SLV 9	7431	46450	46623	2.4	33.15	Si
1566	2X/2Y Ø8/10	-1059	-6171	SLV 1	8335	22039	41138	2.5	20.81	1401	-6905	SLV 9	7411	46450	46601	2.4	33.15	Si
1600	2X/2Y Ø8/10	-1059	-6019	SLV 1	8316	22039	41119	2.5	20.81	1401	-6754	SLV 9	7390	46450	46578	2.4	33.15	Si
1620	2X/2Y Ø8/10	155	-2763	SLV 3	4127	20717	21448	2.35	133.61	-1621	-3256	SLV 9	2713	12746	12771	2.4	7.86	Si
1650	2X/2Y Ø8/10	155	-2697	SLV 3	4119	20717	21439	2.35	133.61	-1621	-3190	SLV 9	4154	20959	20992	2.4	12.93	Si
1680	2X/2Y Ø8/10	155	-2630	SLV 3	4111	20717	21430	2.35	133.61	-1621	-3122	SLV 9	4145	20959	20983	2.4	12.93	Si
1710	2X/2Y Ø8/10	155	-2562	SLV 3	4102	20717	21421	2.35	133.61	-1621	-3055	SLV 9	4137	20959	20974	2.4	12.93	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1740	2X/2Y Ø8/10	155	-2495	SLV 3	4094	20717	21412	2.35	133.61	-1621	-2987	SLV 9	4129	20959	20965	2.4	12.93	Si
1770	2X/2Y Ø8/10	155	-2427	SLV 3	4085	20717	21403	2.35	133.61	-1621	-2920	SLV 9	4120	20522	21267	2.35	12.66	Si
1800	2X/2Y Ø8/10	155	-2360	SLV 3	4077	20717	21394	2.35	133.61	-1621	-2852	SLV 9	4112	20522	21258	2.35	12.66	Si
1830	2X/2Y Ø8/10	155	-2292	SLV 3	4069	20717	21385	2.35	133.61	-1621	-2785	SLV 9	4104	20522	21249	2.35	12.66	Si
1860	2X/2Y Ø8/10	155	-2225	SLV 3	4060	20717	21376	2.35	133.61	-1621	-2717	SLV 9	4095	20522	21240	2.35	12.66	Si
1890	2X/2Y Ø8/10	155	-2157	SLV 3	4052	20717	21367	2.35	133.61	-1621	-2650	SLV 9	4087	20522	21231	2.35	12.66	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-654	-65708	SLD 1	15747	55098	48806	2.5	74.65	-3969	-69073	SLD 9	15907	48385	54051	2.5	12.19	Si
-111	5X/2Y Ø8/10	-654	-65580	SLD 1	15731	55098	48790	2.5	74.63	-3969	-68945	SLD 9	15889	48385	54032	2.5	12.19	Si
-82	5X/2Y Ø8/10	-654	-65449	SLD 1	15715	55098	48773	2.5	74.6	-3969	-68814	SLD 9	15871	48385	54014	2.5	12.19	Si
-53	5X/2Y Ø8/10	-654	-65318	SLD 1	15699	55098	48756	2.5	74.57	-3969	-68683	SLD 9	15853	48385	53995	2.5	12.19	Si
-24	5X/2Y Ø8/15	-654	-65187	SLD 1	15682	36732	48739	2.5	56.18	-3969	-68552	SLD 9	15836	32257	53977	2.5	8.13	Si
5	5X/2Y Ø8/15	-654	-65056	SLD 1	15666	36732	48722	2.5	56.18	-3969	-68421	SLD 9	15818	32257	53958	2.5	8.13	Si
35	5X/2Y Ø8/15	-654	-64925	SLD 1	15650	36732	48705	2.5	56.18	-3969	-68290	SLD 9	15800	32257	53940	2.5	8.13	Si
64	5X/2Y Ø8/15	-654	-64794	SLD 1	15633	36732	48688	2.5	56.18	-3969	-68159	SLD 9	15782	32257	53921	2.5	8.13	Si
93	5X/2Y Ø8/15	-654	-64663	SLD 1	15617	36732	48672	2.5	56.18	-3969	-68028	SLD 9	15764	32257	53903	2.5	8.13	Si
122	5X/2Y Ø8/15	-654	-64533	SLD 1	15601	36732	48655	2.5	56.18	-3969	-67898	SLD 9	15746	32257	53884	2.5	8.13	Si
151	5X/2Y Ø8/15	-654	-64402	SLD 1	15584	36732	48638	2.5	56.18	-3969	-67767	SLD 9	15728	32257	53866	2.5	8.13	Si
180	5X/2Y Ø8/15	-654	-64273	SLD 1	15568	36732	48621	2.5	56.18	-3969	-67638	SLD 9	15711	32257	53848	2.5	8.13	Si
200	5X/2Y Ø8/15	-1266	-59147	SLD 1	14930	36732	47961	2.5	29.02	1915	-62154	SLD 9	14961	32257	53072	2.5	16.85	Si
232	5X/2Y Ø8/15	-1266	-59005	SLD 1	14913	36732	47943	2.5	29.02	1915	-62012	SLD 9	14942	32257	53052	2.5	16.85	Si
264	5X/2Y Ø8/10	-1266	-58861	SLD 1	14895	55098	47924	2.5	37.86	1915	-61868	SLD 9	14922	48385	53032	2.5	25.27	Si
296	5X/2Y Ø8/10	-1266	-58717	SLD 1	14877	55098	47906	2.5	37.85	1915	-61724	SLD 9	14902	48385	53011	2.5	25.27	Si
328	5X/2Y Ø8/10	-1266	-58573	SLD 1	14859	55098	47887	2.5	37.83	1915	-61580	SLD 9	14883	48385	52991	2.5	25.27	Si
360	5X/2Y Ø8/10	-1266	-58431	SLD 1	14841	55098	47869	2.5	37.82	1915	-61438	SLD 9	14863	48385	52971	2.5	25.27	Si
380	5X/2Y Ø8/10	769	-42912	SLD 15	12909	55098	45870	2.5	59.68	-3824	-55206	SLD 9	14012	48385	52090	2.5	12.65	Si
414	5X/2Y Ø8/10	769	-42762	SLD 15	12890	55098	45851	2.5	59.65	-3824	-55056	SLD 9	13991	48385	52069	2.5	12.65	Si
448	5X/2Y Ø8/10	769	-42611	SLD 15	12871	55098	45831	2.5	59.63	-3824	-54904	SLD 9	13970	48385	52047	2.5	12.65	Si
481	5X/2Y Ø8/14.4	769	-42459	SLD 15	12853	38145	45812	2.5	49.63	-3824	-54752	SLD 9	13950	33497	52026	2.5	8.76	Si
515	5X/2Y Ø8/14.4	769	-42307	SLD 15	12834	38145	45792	2.5	49.63	-3824	-54600	SLD 9	13929	33497	52004	2.5	8.76	Si
535	5X/2Y Ø8/14.4	-777	-46816	SLD 1	13395	38145	46373	2.5	49.11	-861	-38013	SLD 7	11662	33497	49659	2.5	38.91	Si
569	5X/2Y Ø8/14.4	-777	-46667	SLD 1	13376	38145	46354	2.5	49.11	-861	-37863	SLD 7	11642	33497	49638	2.5	38.91	Si
603	5X/2Y Ø8/10	-777	-46515	SLD 1	13358	55098	46334	2.5	59.65	-861	-37711	SLD 7	11621	48385	49617	2.5	56.21	Si
636	5X/2Y Ø8/10	-777	-46363	SLD 1	13339	55098	46315	2.5	59.62	-861	-37559	SLD 7	11600	48385	49595	2.5	56.21	Si
670	5X/2Y Ø8/10	-777	-46211	SLD 1	13320	55098	46295	2.5	59.6	-861	-37408	SLD 7	11579	48385	49574	2.5	56.21	Si
690	5X/2Y Ø8/10	-868	-37913	SLD 1	12287	55098	45226	2.5	52.13	-3514	-39705	SLD 9	11893	48385	49899	2.5	13.77	Si
724	5X/2Y Ø8/10	-868	-37764	SLD 1	12268	55098	45207	2.5	52.1	-3514	-39555	SLD 9	11873	48385	49877	2.5	13.77	Si
758	5X/2Y Ø8/10	-868	-37612	SLD 1	12249	55098	45188	2.5	52.08	-3514	-39404	SLD 9	11852	48385	49856	2.5	13.77	Si
791	5X/2Y Ø8/14.4	-868	-37460	SLD 1	12230	38145	45168	2.5	43.96	-3514	-39252	SLD 9	11831	33497	49834	2.5	9.53	Si
825	5X/2Y Ø8/14.4	-868	-37308	SLD 1	12211	38145	45148	2.5	43.96	-3514	-39100	SLD 9	11811	33497	49813	2.5	9.53	Si
845	5X/2Y Ø8/14.4	-788	-31995	SLD 1	11550	38145	44464	2.5	48.38	-842	-26455	SLD 7	10082	33497	48025	2.5	39.79	Si
879	5X/2Y Ø8/14.4	-788	-31846	SLD 1	11531	38145	44445	2.5	48.38	-842	-26305	SLD 7	10062	33497	48004	2.5	39.79	Si
913	5X/2Y Ø8/10	-788	-31694	SLD 1	11512	55098	44425	2.5	56.34	-842	-26154	SLD 7	10041	48385	47983	2.5	57	Si
946	5X/2Y Ø8/10	-788	-31542	SLD 1	11493	55098	44406	2.5	56.32	-842	-26002	SLD 7	10020	48385	47961	2.5	56.98	Si
980	5X/2Y Ø8/10	-788	-31390	SLD 1	11475	55098	44386	2.5	56.29	-842	-25850	SLD 7	10000	48385	47940	2.5	56.95	Si
1000	5X/2Y Ø8/10	-785	-25500	SLD 1	10741	55098	43628	2.5	55.55	-3785	-26608	SLD 9	10103	48385	48047	2.5	12.69	Si
1034	5X/2Y Ø8/10	-785	-25350	SLD 1	10723	55098	43608	2.5	55.53	-3785	-26458	SLD 9	10083	48385	48026	2.5	12.69	Si
1068	5X/2Y Ø8/10	-785	-25198	SLD 1	10704	55098	43589	2.5	55.5	-3785	-26306	SLD 9	10062	48385	48004	2.5	12.68	Si
1101	5X/2Y Ø8/14.4	-785	-25046	SLD 1	10685	38145	43569	2.5	48.57	-3785	-26154	SLD 9	10041	33497	47983	2.5	8.85	Si
1135	5X/2Y Ø8/14.4	-785	-24894	SLD 1	10666	38145	43550	2.5	48.57	-3785	-26002	SLD 9	10021	33497	47961	2.5	8.85	Si
1155	5X/2Y Ø8/14.4	-687	-18777	SLD 1	9904	38145	42762	2.5	55.56	-1038	-16817	SLD 7	8765	33497	46663	2.5	32.26	Si
1189	5X/2Y Ø8/14.4	-687	-18628	SLD 1	9886	38145	42743	2.5	55.56	-1038	-16667	SLD 7	8745	33497	46642	2.5	32.26	Si
1223	5X/2Y Ø8/10	-687	-18476	SLD 1	9867	53996	43348	2.45	63.14	-1038	-16515	SLD 7	8724	48385	46620	2.5	44.9	Si
1256	5X/2Y Ø8/10	-687	-18324	SLD 1	9848	53996	43329	2.45	63.11	-1038	-16364	SLD 7	8703	48385	46599	2.5	44.87	Si
1290	5X/2Y Ø8/10	-687	-18172	SLD 1	9829	53996	43309	2.45	63.08	-1038	-16212	SLD 7	8683	48385	46577	2.5	44.85	Si
1310	2X/2Y Ø8/10	-752	-12989	SLD 1	9184	22039	42016	2.5	29.3	-3229	-13845	SLD 5	8359	48385	46242	2.5	14.32	Si
1344	2X/2Y Ø8/10	-752	-12840	SLD 1	9165	22039	41997	2.5	29.3	-3229	-13695	SLD 5	8339	48385	46221	2.5	14.31	Si
1378	2X/2Y Ø8/10	-752	-12688	SLD 1	9146	22039	41977	2.5	29.3	-3229	-13543	SLD 5	8318	48385	46200	2.5	14.31	Si
1411	2X/2Y Ø8/14.4	-752	-12536	SLD 1	9127	15258	41958	2.5	20.29	-3229	-13391	SLD 5	8297	33497	46178	2.5	10.37	Si
1445	2X/2Y Ø8/14.4	-752	-12384	SLD 1	9108	15258	41938	2.5	20.29	-3229	-13240	SLD 5	8276	33497	46157	2.5	10.37	Si
1465	2X/2Y Ø8/14.4	-487	-7043	SLD 1	8443	15258	41251	2.5	31.33	555	-7330	SLD 9	7469	33497	45321	2.5	60.37	Si
1499	2X/2Y Ø8/14.4	-487	-6893	SLD 1	8425	15258	41231	2.5	31.33	555	-7180	SLD 9	7448	33497	45300	2.5	60.37	Si
1533	2X/2Y Ø8/10	-487	-6742	SLD 1	8406	22039	41212	2.5	45.25	555	-7028	SLD 9	7427	48385	45279	2.5	81.6	Si
1566	2X/2Y Ø8/10	-487	-6590	SLD 1	8387	22039	41192	2.5	45.25	555	-6876	SLD 9	7407	48385	45257	2.5	81.56	Si
1600	2X/2Y Ø8/10	-487	-6438	SLD 1	8368	22039	41173	2.5	45.25	555	-6725	SLD 9	7386	48385	45236	2.5	81.52	Si
1620	2X/2Y Ø8/10	71	-2884	SLD 3	4142	22039	20543	2.5	288.11	-1206	-3081	SLD 9	2700	13277	12391	2.5	10.27	Si
1650	2X/2Y Ø8/10	71	-2818	SLD 3	4134	22039	20535	2.5	287.99	-1206	-3015	SLD 9	4132	21832	20366	2.5	16.89	Si
1680	2X/2Y Ø8/10	71	-2750	SLD 3	4126	22039	20526	2.5	287.87	-1206	-2947	SLD 9	4124	21832	20358	2.5	16.88	Si
1710	2X/2Y Ø8/10	71	-2683	SLD 3	4117	22039	20517	2.5	287.75	-1206	-2880	SLD 9	4115	21832	20349	2.5	16.87	Si
1740	2X/2Y Ø8/10	71	-2615	SLD 3	4109	22039	20509	2.5	287.63	-1206	-2812	SLD 9	4107	21832	20341	2.5	16.86	Si
1770	2X/2Y Ø8/10	71	-2548	SLD 3	4100	22039	20500	2.5	287.51	-1206	-2745	SLD 9	4099	21832	20332	2.5	16.86	Si
1800	2X/2Y Ø8/10	71	-2480	SLD 3	4092	22039	20491	2.5	287.38	-1206	-2677	SLD 9	4090	21832	20323	2.5	16.85	Si
1830	2X/2Y Ø8/10	71	-2413	SLD 3	4084	22039	20482	2.5	287.26	-1206	-2610	SLD 9	4082	21832	20315	2.5	16.84	Si
1860	2X/2Y Ø8/10	71	-2345	SLD 3	4075	22039	20474	2.5	287.14	-1206	-2542	SLD 9	4074	21832	20306	2.5	16.84	Si
1890	2X/2Y Ø8/10	71	-2278	SLD 3	4067	22039	20465	2.5	287.02	-1206	-2475	SLD 9	4065	21832	20298	2.5	16.83	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	402960	40347	-68773	SLE RA 13	-55.5	402960	40347	-68773	SLE RA 13	-761.9	Si
-111	342960	29785	-68644	SLE RA 13	-51.6	342960	29785	-68644	SLE RA 13	-716.6	Si
-82	281912	19039	-68513	SLE RA 13	-47.7	281912	19039	-68513	SLE RA 13	-670.5	Si
-53	220864	8293	-68382	SLE RA 13	-43.8	220864	8293	-68382	SLE RA 13	-624.4	Si
-24	148598	-6277	-68703	SLE RA 12	-40.3	148598	-6277	-68703	SLE RA 12	-582.7	Si
5	98767	-13200	-68120	SLE RA 13	-38.3	91389	-14621	-68572	SLE RA 12	-555.7	Si
35	37718	-23946	-67990	SLE RA 13	-36.3	34180	-22965	-68441	SLE RA 12	-528.8	Si
64	-23330	-34692	-67859	SLE RA 13	-36.6	-23029	-31309	-68310	SLE RA 12	-528.7	Si
93	-84379	-45439	-67728	SLE RA 13	-40.4	-84379	-45439	-67728	SLE RA 13	-572.9	Si
122	-145427	-56185	-67597	SLE RA 13	-44.2	-145427	-56185	-67597	SLE RA 13	-617.1	Si
151	-206476	-66931	-67466	SLE RA 13	-48	-206476	-66931	-67466	SLE RA 13	-661.3	Si
180	-266475	-77493	-67337	SLE RA 13	-51.8	-266475	-77493	-67337	SLE RA 13	-704.8	Si
200	-71351	65257	-63242	SLE RA 12	-39.4	-71351	65257	-63242	SLE RA 12	-550.8	Si
232	-43081	62054	-63100	SLE RA 12	-37.7	-62398	53709	-62644	SLE RA 13	-531.1	Si
264	-36462	54084	-62500	SLE RA 13	-36.4	-36462	54084	-62500	SLE RA 13	-515.2	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
296	14355	55545	-62812	SLE RA 12	-35.6	14355	55545	-62812	SLE RA 12	-505.8	Si
328	43073	52291	-62668	SLE RA 12	-36.6	43073	52291	-62668	SLE RA 12	-518.7	Si
360	71342	49087	-62526	SLE RA 12	-37.6	71342	49087	-62526	SLE RA 12	-531.3	Si
380	133713	-63312	-55897	SLE RA 12	-38.7	133713	-63312	-55897	SLE RA 12	-533	Si
414	78607	-65070	-55747	SLE RA 12	-36.2	78607	-65070	-55747	SLE RA 12	-501.3	Si
448	22673	-66854	-55596	SLE RA 12	-33.6	22673	-66854	-55596	SLE RA 12	-469.2	Si
481	-33261	-68638	-55444	SLE RA 12	-34.2	-33261	-68638	-55444	SLE RA 12	-475.8	Si
515	-89196	-70423	-55292	SLE RA 12	-37	-89196	-70423	-55292	SLE RA 12	-509	Si
535	119405	93664	-50675	SLE RA 12	-38.3	119405	93664	-50675	SLE RA 12	-514.2	Si
569	114822	91161	-50526	SLE RA 12	-37.8	114822	91161	-50526	SLE RA 12	-508.3	Si
603	110171	88620	-50374	SLE RA 12	-37.3	110171	88620	-50374	SLE RA 12	-502.2	Si
636	105519	86079	-50222	SLE RA 12	-36.8	105519	86079	-50222	SLE RA 12	-496.2	Si
670	100868	83538	-50070	SLE RA 12	-36.2	100868	83538	-50070	SLE RA 12	-490.1	Si
690	24561	-84832	-40266	SLE RA 12	-28.1	24561	-84832	-40266	SLE RA 12	-376.7	Si
724	-25992	-89039	-40116	SLE RA 12	-28.5	-25992	-89039	-40116	SLE RA 12	-380.2	Si
758	-77305	-93310	-39964	SLE RA 12	-31.2	-77305	-93310	-39964	SLE RA 12	-412.9	Si
791	-128619	-97581	-39812	SLE RA 12	-34	-128619	-97581	-39812	SLE RA 12	-445.6	Si
825	-179932	-101852	-39660	SLE RA 12	-36.7	-179932	-101852	-39660	SLE RA 12	-478.2	Si
845	56584	66984	-34669	SLE RA 13	-25.3	56584	66984	-34669	SLE RA 13	-339.7	Si
879	52284	64144	-34519	SLE RA 13	-24.8	52284	64144	-34519	SLE RA 13	-333.6	Si
913	46468	61511	-34554	SLE RA 12	-24.3	46468	61511	-34554	SLE RA 12	-328.2	Si
946	45143	57858	-34402	SLE RA 12	-23.8	45143	57858	-34402	SLE RA 12	-323.1	Si
980	43818	54205	-34250	SLE RA 12	-23.3	43818	54205	-34250	SLE RA 12	-318	Si
1000	118027	-58219	-27625	SLE RA 12	-24.1	118027	-58219	-27625	SLE RA 12	-317.6	Si
1034	50005	-66005	-27476	SLE RA 12	-21.5	50005	-66005	-27476	SLE RA 12	-283.7	Si
1068	-19040	-73908	-27324	SLE RA 12	-20.7	-19040	-73908	-27324	SLE RA 12	-271.5	Si
1101	-88085	-81811	-27172	SLE RA 12	-24.6	-88085	-81811	-27172	SLE RA 12	-317.7	Si
1135	-157130	-89714	-27020	SLE RA 12	-28.5	-157130	-89714	-27020	SLE RA 12	-364	Si
1155	77244	82491	-22047	SLE RA 12	-21.7	82267	80111	-21952	SLE RA 13	-275.6	Si
1189	60799	77365	-21897	SLE RA 12	-20.4	60799	77365	-21897	SLE RA 12	-260.2	Si
1223	44107	72161	-21745	SLE RA 12	-19	44107	72161	-21745	SLE RA 12	-244.8	Si
1256	27414	66958	-21593	SLE RA 12	-17.7	27414	66958	-21593	SLE RA 12	-229.3	Si
1290	10722	61754	-21442	SLE RA 12	-16.4	10722	61754	-21442	SLE RA 12	-213.9	Si
1310	75251	-50958	-14766	SLE RA 12	-15.3	75251	-50958	-14766	SLE RA 12	-194.4	Si
1344	18132	-62076	-14617	SLE RA 12	-14.1	18132	-62076	-14617	SLE RA 12	-176.9	Si
1378	-39845	-73362	-14465	SLE RA 12	-16.5	-39845	-73362	-14465	SLE RA 12	-203.5	Si
1411	-97823	-84647	-14313	SLE RA 12	-20.4	-97823	-84647	-14313	SLE RA 12	-248	Si
1445	-155801	-95933	-14161	SLE RA 12	-24.2	-155801	-95933	-14161	SLE RA 12	-292.6	Si
1465	102116	77288	-9053	SLE RA 13	-17.2	102116	77288	-9053	SLE RA 13	-203.8	Si
1499	99546	73287	-8904	SLE RA 13	-16.6	99546	73287	-8904	SLE RA 13	-197.3	Si
1533	96938	69226	-8752	SLE RA 13	-16	96938	69226	-8752	SLE RA 13	-190.7	Si
1566	94329	65165	-8600	SLE RA 13	-15.4	94329	65165	-8600	SLE RA 13	-184	Si
1600	91721	61104	-8448	SLE RA 13	-13.2	91721	61104	-8448	SLE RA 13	-158	Si
1620	111315	-466	-3644	SLE RA 12	-81.5	111315	-466	-3644	SLE RA 12	1297.8	Si
1650	76694	-256	-3578	SLE RA 12	-19	76694	-256	-3578	SLE RA 12	-202.5	Si
1680	41487	-42	-3511	SLE RA 12	-11.2	40331	-434	-3647	SLE RA 8	-125.6	Si
1710	5334	1417	-3426	SLE RA 13	-4.4	5661	-176	-3579	SLE RA 8	-60.4	Si
1740	-29402	1148	-3495	SLE RA 9	-9	-29402	1148	-3495	SLE RA 9	-104.6	Si
1770	-63974	1485	-3291	SLE RA 13	-15.5	-63518	1227	-3428	SLE RA 9	-166.6	Si
1800	-98628	1518	-3224	SLE RA 13	-34.7	-99342	813	-3241	SLE RA 12	656.7	Si
1830	-134549	1027	-3173	SLE RA 12	-47.1	-134549	1027	-3173	SLE RA 12	997.4	Si
1860	-169757	1241	-3106	SLE RA 12	-59.5	-169757	1241	-3106	SLE RA 12	1339.5	Si
1890	-204964	1455	-3038	SLE RA 12	-71.9	-204964	1455	-3038	SLE RA 12	1682.2	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²

Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	297722	16777	-59608	SLE QP 2	-44	Si
-111	252669	10935	-59479	SLE QP 2	-41.3	Si
-82	206827	4991	-59348	SLE QP 2	-38.5	Si
-53	160986	-953	-59217	SLE QP 2	-35.9	Si
-24	115145	-6897	-59086	SLE QP 2	-34.2	Si
5	69304	-12841	-58955	SLE QP 2	-32.5	Si
35	23463	-18785	-58824	SLE QP 2	-30.8	Si
64	-22378	-24729	-58693	SLE QP 2	-31.2	Si
93	-68220	-30673	-58563	SLE QP 2	-33.9	Si
122	-114061	-36617	-58432	SLE QP 2	-36.6	Si
151	-159902	-42561	-58301	SLE QP 2	-39.2	Si
180	-204955	-48403	-58172	SLE QP 2	-41.8	Si
200	-61867	54064	-54551	SLE QP 2	-33.8	Si
232	-37485	52171	-54409	SLE QP 2	-32.4	Si
264	-12716	50249	-54265	SLE QP 2	-31	Si
296	12053	48326	-54121	SLE QP 2	-30.7	Si
328	36822	46403	-53977	SLE QP 2	-31.7	Si
360	61205	44511	-53835	SLE QP 2	-32.6	Si
380	111891	-58948	-47759	SLE QP 2	-33.4	Si
414	66577	-58332	-47610	SLE QP 2	-31.1	Si
448	20581	-57706	-47458	SLE QP 2	-28.8	Si
481	-25415	-57081	-47306	SLE QP 2	-28.9	Si
515	-71410	-56455	-47154	SLE QP 2	-31	Si
535	94837	74148	-43477	SLE QP 2	-32	Si
569	91661	73304	-43327	SLE QP 2	-31.7	Si
603	88437	72447	-43175	SLE QP 2	-31.4	Si
636	85214	71590	-43024	SLE QP 2	-31.1	Si
670	81990	70733	-42872	SLE QP 2	-30.8	Si
690	21554	-73485	-34338	SLE QP 2	-24.1	Si
724	-19777	-74815	-34188	SLE QP 2	-24	Si
758	-61729	-76165	-34037	SLE QP 2	-26.1	Si
791	-103682	-77515	-33885	SLE QP 2	-28.1	Si
825	-145635	-78865	-33733	SLE QP 2	-30.2	Si
845	37227	56843	-29906	SLE QP 2	-21.2	Si
879	36791	54822	-29757	SLE QP 2	-20.9	Si
913	36348	52771	-29605	SLE QP 2	-20.6	Si
946	35905	50720	-29453	SLE QP 2	-20.4	Si
980	35462	48669	-29301	SLE QP 2	-20.1	Si
1000	96018	-55173	-23230	SLE QP 2	-20.6	Si
1034	41245	-59047	-23080	SLE QP 2	-18.3	Si
1068	-14351	-62980	-22928	SLE QP 2	-17.3	Si
1101	-69947	-66913	-22776	SLE QP 2	-20.3	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
1135	-125543	-70846	-22624	SLE QP 2	-23.2	Si
1155	61437	66194	-18671	SLE QP 2	-17.8	Si
1189	48627	63678	-18521	SLE QP 2	-16.9	Si
1223	35624	61126	-18369	SLE QP 2	-16	Si
1256	22621	58573	-18217	SLE QP 2	-15.1	Si
1290	9618	56020	-18065	SLE QP 2	-14.2	Si
1310	61024	-47901	-11957	SLE QP 2	-13	Si
1344	15044	-54721	-11808	SLE QP 2	-11.8	Si
1378	-31627	-61643	-11656	SLE QP 2	-13.5	Si
1411	-78298	-68564	-11504	SLE QP 2	-16.4	Si
1445	-124969	-75486	-11352	SLE QP 2	-19.3	Si
1465	75061	63334	-7316	SLE QP 2	-13.6	Si
1499	75171	59498	-7166	SLE QP 2	-13.2	Si
1533	75284	55604	-7014	SLE QP 2	-12.7	Si
1566	75396	51710	-6862	SLE QP 2	-12.2	Si
1600	75509	47816	-6711	SLE QP 2	-10.5	Si
1620	88293	-1367	-2966	SLE QP 2	-65	Si
1650	60852	-1097	-2899	SLE QP 2	-15.3	Si
1680	32946	-822	-2832	SLE QP 2	-9	Si
1710	5040	-547	-2764	SLE QP 2	-3.6	Si
1740	-22867	-272	-2697	SLE QP 2	-6.9	Si
1770	-50773	3	-2629	SLE QP 2	-12.1	Si
1800	-78679	278	-2562	SLE QP 2	-17.4	Si
1830	-106586	553	-2494	SLE QP 2	-37.2	Si
1860	-134492	828	-2427	SLE QP 2	-47.1	Si
1890	-162398	1103	-2359	SLE QP 2	-56.9	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-140	265995	12608	-55683										No	Si
-111	225457	7742	-55555										No	Si
-82	184211	2790	-55424										No	Si
-53	142964	-2161	-55293										No	Si
-24	101717	-7113	-55162										No	Si
5	60471	-12064	-55031										No	Si
35	19224	-17016	-54900										No	Si
64	-22022	-21967	-54769										No	Si
93	-63269	-26919	-54638										No	Si
122	-104515	-31870	-54507										No	Si
151	-145762	-36822	-54377										No	Si
180	-186300	-41688	-54248										No	Si
200	-58305	49274	-51014										No	Si
232	-35422	47936	-50872										No	Si
264	-12175	46577	-50728										No	Si
296	11071	45217	-50584										No	Si
328	34318	43858	-50440										No	Si
360	57201	42519	-50298										No	Si
380	103048	-56992	-44459										No	Si
414	61638	-55404	-44310										No	Si
448	19605	-53792	-44158										No	Si
481	-22427	-52179	-44006										No	Si
515	-64460	-50567	-43854										No	Si
535	84219	65923	-40570										No	Si
569	81774	65730	-40420										No	Si
603	79292	65534	-40268										No	Si
636	76810	65338	-40116										No	Si
670	74328	65142	-39965										No	Si
690	20882	-68589	-31975										No	Si
724	-16835	-68729	-31825										No	Si
758	-55120	-68871	-31673										No	Si
791	-93404	-69013	-31522										No	Si
825	-131689	-69155	-31370										No	Si
845	32112	51894	-27951										No	Si
879	32220	50489	-27801										No	Si
913	32330	49064	-27649										No	Si
946	32439	47638	-27497										No	Si
980	32549	46212	-27346										No	Si
1000	87475	-53828	-21510										No	Si
1034	37906	-56097	-21360										No	Si
1068	-12409	-58401	-21208										No	Si
1101	-62723	-60705	-21056										No	Si
1135	-133879	-76071	-23771										No	Si
1155	66058	70754	-19536										No	Si
1189	43402	57923	-17223										No	Si
1223	32132	56472	-17071										No	Si
1256	20862	55021	-16920										No	Si
1290	9592	53569	-16768										No	Si
1310	55703	-46433	-10901										No	Si
1344	14193	-51489	-10751										No	Si
1378	-34084	-64990	-12360										No	Si
1411	-83779	-73105	-12208										No	Si
1445	-133475	-81220	-12056										No	Si
1465	80392	67659	-7732										No	Si
1499	79851	63607	-7582										No	Si
1533	79303	59495	-7430										No	Si
1566	78754	55382	-7278										No	Si
1600	78205	51270	-7127										No	Si
1620	93342	-1091	-3074										No	Si
1650	64359	-841	-3008										No	Si
1680	34885	-587	-2940										No	Si
1710	4482	-867	-2602										No	Si
1740	-23194	616	-2683										No	Si
1770	-53536	174	-2738										No	Si
1800	-83010	428	-2670										No	Si
1830	-112484	682	-2603										No	Si
1860	-141958	935	-2535										No	Si

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1890	-171432	1189	-2468	SLE FR 6	-164967	1144	1144	1413.7	205.2	0.0392	22.44	0.0092	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

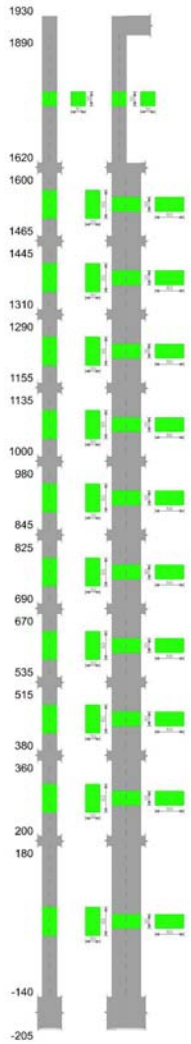
Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1910 in quanto elemento di estremità superiore alla pilastrata.
per il nodo Appoggio 835 in quanto elemento non dissipativo.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 1145 in quanto elemento non dissipativo.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 1455 in quanto elemento non dissipativo.
per il nodo Appoggio 190 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 525 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.

Pilastro 42

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	180	R 30x60	No	No	No	No		C30/37	B450C	
200	360	R 30x60	No	No	No	No		C30/37	B450C	
380	515	R 30x60	No	No	No	No		C30/37	B450C	
535	670	R 30x60	No	No	No	No		C30/37	B450C	
690	825	R 30x60	No	No	No	No		C30/37	B450C	
845	980	R 30x60	No	No	No	No		C30/37	B450C	

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1000	1135	R 30x60	No	No	No	No		C30/37	B450C	
1155	1290	R 30x60	No	No	No	No		C30/37	B450C	
1310	1445	R 30x60	No	No	No	No		C30/37	B450C	
1465	1600	R 30x60	No	No	No	No		C30/37	B450C	
1620	1890	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.5	-9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.6	-9.67	-24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.67	-24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.7	9.67	24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.7	-9.67	24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.9	-9.9	0	1.6	2.011	1310	1620	R 30x60	B450C
p.9	9.9	0	1.6	2.011	1310	1620	R 30x60	B450C
p.11	-9.67	-24.67	1.6	2.011	1620.1	1930	R 30x30_1	B450C
p.11	9.67	-24.67	1.6	2.011	1620.1	1930	R 30x30_1	B450C
p.11	9.67	-5.33	1.6	2.011	1620.1	1930	R 30x30_1	B450C
p.11	-9.67	-5.33	1.6	2.011	1620.1	1930	R 30x30_1	B450C
p.12	-9.9	-15	1.6	2.011	1620.1	1930	R 30x30_1	B450C
p.12	9.9	-15	1.6	2.011	1620.1	1930	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	519371	-195010	-97505	1553210	-583188	SLU 52	2.991	Si
-111	20.11	2.2	0	1,2	451742	-194675	-97338	1388827	-598506	SLU 52	3.074	Si
-82	20.11	1.1	0	2	382930	-194335	-97167	1208403	-613257	SLU 52	3.156	Si
-53	20.11	1.1	0	2	314119	193994	-96997	1016578	627822	SLU 52	3.236	Si
-24	20.11	1.1	0	2	245307	193654	-96827	810737	640025	SLU 52	3.305	Si
5	20.11	1.1	0	2	193832	193832	-96916	647491	647491	SLU 51	3.34	Si
35	20.11	1.1	0	2	193491	193491	-96746	647491	647491	SLU 51	3.346	Si
64	20.11	1.1	0	2	193151	193151	-96575	647491	647491	SLU 51	3.352	Si
93	20.11	1.1	0	2	-192811	192811	-96405	-647491	647491	SLU 51	3.358	Si
122	20.11	1.1	0	2	-192470	192470	-96235	-647491	647491	SLU 51	3.364	Si
151	20.11	1.1	0	2	-192130	192130	-96065	-647491	647491	SLU 51	3.37	Si
180	20.11	1.1	0	2	-235192	191277	-95639	-788471	641248	SLU 52	3.352	Si
200	20.11	1.1	0	2	-190208	-190208	-95104	-647491	-647491	SLU 51	3.404	Si
232	20.11	1.1	0	2	-189840	-189840	-94920	-647491	-647491	SLU 51	3.411	Si
264	20.11	1.1	0	2	189465	-189465	-94733	647491	-647491	SLU 51	3.417	Si
296	20.11	1.1	0	2	189091	-189091	-94545	647491	-647491	SLU 51	3.424	Si
328	20.11	1.1	0	2	188717	-188717	-94358	647491	-647491	SLU 51	3.431	Si
360	20.11	1.1	0	2	260113	-188348	-94174	878720	-636282	SLU 51	3.378	Si
380	20.11	2.2	0	2,3	-154736	154736	-77368	-647491	647491	SLU 51	4.185	Si
414	20.11	2.2	0	2,3	-154341	154341	-77170	-647491	647491	SLU 51	4.195	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
448	20.11	1.1	0	3	-153946	153946	-76973	-647491	647491	SLU 51	4.206	Si
481	20.11	1.1	0	3	-177555	153078	-76539	-746111	643255	SLU 52	4.202	Si
515	20.11	1.1	0	3	-207559	152683	-76341	-865927	636987	SLU 52	4.172	Si
535	20.11	1.1	0	3	142667	-142667	-71334	647491	-647491	SLU 51	4.538	Si
569	20.11	1.1	0	3	142273	-142273	-71136	647491	-647491	SLU 51	4.551	Si
603	20.11	1.1	0	3	141878	-141878	-70939	647491	-647491	SLU 51	4.564	Si
636	20.11	1.1	0	3	141483	-141483	-70741	647491	-647491	SLU 51	4.576	Si
670	20.11	1.1	0	3	-141088	-141088	-70544	-647491	-647491	SLU 51	4.589	Si
690	20.11	2.2	0	3,4	122297	122297	-61148	647491	647491	SLU 51	5.294	Si
724	20.11	2.2	0	3,4	121902	121902	-60951	647491	647491	SLU 51	5.312	Si
758	20.11	1.1	0	4	121507	121507	-60753	647491	647491	SLU 51	5.329	Si
791	20.11	1.1	0	4	-121112	121112	-60556	-647491	647491	SLU 51	5.346	Si
825	20.11	1.1	0	4	-120717	120717	-60359	-647491	647491	SLU 51	5.364	Si
845	20.11	1.1	0	4	245178	-143326	-54502	1295031	-757052	SLU 51	5.282	Si
879	20.11	1.1	0	4	219861	-131687	-54305	1201424	-719600	SLU 51	5.464	Si
913	20.11	1.1	0	4	197586	-120489	-54010	1114439	-679592	SLU 52	5.64	Si
946	20.11	1.1	0	4	171719	-110142	-53812	1000050	-641441	SLU 52	5.824	Si
980	20.11	1.1	0	4	143912	-107425	-53713	854202	-637634	SLU 51	5.936	Si
1000	20.11	2.2	0	4,5	-175205	108811	-36934	-1324354	822491	SLU 51	7.559	Si
1034	20.11	2.2	0	4,5	-180792	108154	-36736	-1365644	816959	SLU 51	7.554	Si
1068	20.11	1.1	0	5	-186379	107496	-36539	-1406747	811360	SLU 51	7.548	Si
1101	20.11	1.1	0	5	-191966	106839	-36342	-1447528	805626	SLU 51	7.541	Si
1135	20.11	1.1	0	5	-197552	106182	-36144	-1488235	799905	SLU 51	7.533	Si
1155	20.11	1.1	0	5	126720	-135492	-29556	1069171	-1143181	SLU 51	8.437	Si
1189	20.11	1.1	0	5	79444	-113179	-29359	745009	-1061359	SLU 51	9.378	Si
1223	20.11	1.1	0	5	58323	-90865	-29161	592064	-922421	SLU 51	10.152	Si
1256	20.11	1.1	0	5	-57816	-69584	-28908	-626955	-754573	SLU 52	10.844	Si
1290	20.11	1.1	0	5	-62382	-57533	-28767	-699667	-645280	SLU 51	11.216	Si
1310	20.11	1.8	0	5,6,7,9	39049	39049	-19525	647491	647491	SLU 51	16.581	Si
1344	14.75	1.8	0	5,6,7,9	-38654	52975	-19327	-577641	791648	SLU 51	14.944	Si
1378	12.06	0.7	0	6,7,9	-38259	70869	-19130	-518531	960499	SLU 51	13.553	Si
1411	12.06	0.7	0	6,7,9	-48125	88764	-18932	-600940	1108411	SLU 51	12.487	Si
1445	12.06	0.7	0	6,7,9	-69765	106658	-18735	-784522	1199395	SLU 51	11.245	Si
1465	12.06	0.7	0	6,7,9	264012	-147434	-11791	1567786	-875506	SLU 51	5.938	Si
1499	12.06	0.7	0	6,7,9	200052	-119490	-11566	1613998	-964037	SLU 52	8.068	Si
1533	12.06	0.7	0	6,7,9	131498	-94089	-11369	1528557	-1093713	SLU 52	11.624	Si
1566	12.1	1.1	0	6,7,8,9	62944	-68688	-11171	1083332	-1182201	SLU 52	17.211	Si
1600	24.75	2	0	6,7,8,9,10	-21947	-43287	-10974	-567960	-1120194	SLU 52	25.878	Si
1620	4.02	0.4	0	10	63799	73382	-3862	229778	264291	SLU 49	3.602	Si
1650	8.76	1.8	0	10,11,12	37552	66304	-4184	328183	579455	SLU 51	8.739	Si
1680	12.06	1.3	0	11,12	8193	58733	-4097	131602	943409	SLU 51	16.063	Si
1710	12.06	1.3	0	11,12	-23100	51163	-4009	-342625	758876	SLU 51	14.832	Si
1740	12.06	1.3	0	11,12	-53426	43593	-3921	-566657	462370	SLU 51	10.606	Si
1770	12.06	1.3	0	11,12	-83751	36023	-3833	-655663	282014	SLU 51	7.829	Si
1800	12.06	1.3	0	11,12	-114077	28453	-3746	-665966	166105	SLU 51	5.838	Si
1830	12.06	1.3	0	11,12	-144403	20883	-3658	-657479	95082	SLU 51	4.553	Si
1860	12.06	1.3	0	11,12	-174729	13313	-3570	-642455	48950	SLU 51	3.677	Si
1890	12.06	1.3	0	11,12	-205055	6965	-3482	-624974	21227	SLU 51	3.048	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	1117213	-234365	-89324	-2.02	1.92	2137925	-448486	SLV 9	1.914				Si
-111	20.11	2.2	0	1,2	1011208	-207880	-89196	-2.02	1.92	2091635	-429990	SLV 9	2.068				Si
-82	20.11	1.1	0	2	1081430	103751	-85448	-2.02	1.92	2365268	226921	SLV 5	2.187				Si
-53	20.11	1.1	0	2	955802	170733	-85317	-2.02	1.92	2129831	380448	SLV 5	2.228				Si
-24	20.11	1.1	0	2	830286	147574	-85186	-2.02	1.92	2022565	359487	SLV 5	2.436				Si
5	20.11	1.1	0	2	704931	125804	-85056	-2.02	1.92	1871335	333963	SLV 5	2.655				Si
35	20.11	1.1	0	2	579816	107081	-84925	-2.02	1.92	1670697	308546	SLV 5	2.881				Si
64	20.11	1.1	0	2	455074	94727	-84794	-2.02	1.92	1416156	294784	SLV 5	3.112				Si
93	20.11	1.1	0	2	330964	91773	-84663	-2.02	1.92	1107726	307162	SLV 5	3.347				Si
122	20.11	1.1	0	2	206480	96116	-84532	-2.02	1.92	740589	344741	SLV 5	3.587				Si
151	20.11	1.1	0	2	87371	52804	-88017	-2.02	1.92	326853	197537	SLV 9	3.741				Si
180	20.11	1.1	0	2	-25229	76644	-87889	-2.02	1.92	-94520	287141	SLV 9	3.746				Si
200	20.11	1.1	0	2	287717	-222967	-81768	-2.02	1.92	886500	-686997	SLV 9	3.081				Si
232	20.11	1.1	0	2	201412	-172554	-81627	-2.02	1.92	683637	-585686	SLV 9	3.394				Si
264	20.11	1.1	0	2	122028	-123225	-81483	-2.02	1.92	458287	-462784	SLV 9	3.756				Si
296	20.11	1.1	0	2	-30019	-83049	-81339	-2.02	1.92	-121521	-336193	SLV 9	4.048				Si
328	20.11	1.1	0	2	-95612	-50453	-81195	-2.02	1.92	-387738	-204601	SLV 9	4.055				Si
360	20.11	1.1	0	2	356274	-235110	-45087	-2.02	1.92	1351355	-891778	SLV 3	3.793				Si
380	20.11	2.2	0	2,3	-234005	24314	-71161	-2.02	1.92	-1021234	106109	SLV 9	4.364				Si
414	20.11	2.2	0	2,3	-195090	86334	-71009	-2.02	1.92	-814723	360544	SLV 9	4.176				Si
448	20.11	1.1	0	3	-173176	141834	-70857	-2.02	1.92	-684704	560785	SLV 9	3.954				Si
481	20.11	1.1	0	3	-24549	177151	-70705	-2.02	1.92	-100753	727056	SLV 9	4.104				Si
515	20.11	1.1	0	3	-13442	216407	-70554	-2.02	1.92	-52653	847684	SLV 9	3.917				Si
535	20.11	1.1	0	3	430400	-218483	-60889	-2.02	1.92	1433674	-727773	SLV 9	3.331				Si
569	20.11	1.1	0	3	261734	-170152	-60737	-2.02	1.92	1045291	-679537	SLV 9	3.994				Si
603	20.11	1.1	0	3	135637	-133529	-58397	-2.02	1.92	637511	-627602	SLV 5	4.7				Si
636	20.11	1.1	0	3	-142449	-113651	-58245	-2.02	1.92	-688235	-549098	SLV 5	4.831				Si
670	20.11	1.1	0	3	-333407	-124334	-58093	-2.02	1.92	-1381325	-515125	SLV 5	4.143				Si
690	20.11	2.2	0	3,4	-189426	24010	-52329	-2.02	1.92	-1094172	138688	SLV 5	5.776				Si
724	20.11	2.2	0	3,4	-147320	88063	-52177	-2.02	1.92	-799898	478154	SLV 5	5.43				Si
758	20.11	1.1	0	4	-65845	110063	-54193	-2.02	1.92	-357607	597759	SLV 9	5.431				Si
791	20.11	1.1	0	4	7688	164165	-54041	-2.02	1.92	39487	843223	SLV 9	5.136				Si
825	20.11	1.1	0	4	46180	224377	-53890	-2.02	1.92	210233	1021481	SLV 9	4.553				Si
845	20.11	1.1	0	4	494022	-210605	-43962	-2.02	1.92	1726735	-736120	SLV 9	3.495				Si
879	20.11	1.1	0	4	362534	-165703	-43810	-2.02	1.92	1568224	-716786	SLV 9	4.326				Si
913	20.11	1.1	0	4	130576	-133793	-42168	-2.02	1.92	764231	-783058	SLV 5	5.853				Si
946	20.11	1.1	0	4	-110357	-121879	-42017	-2.02	1.92	-675397	-745913	SLV 5	6.12				Si
980	20.11	1.1	0	4	-317909	-141997	-41865	-2.02	1.92	-1529718	-683262	SLV 5	4.812				Si
1000	20.11	2.2	0	4,5	-328720	125792	-22953	-2.02	1.92	-1832989	701432	SLV 1	5.576				Si
1034	20.11	2.2	0	4,5	-332110	21683	-32025	-2.02	1.92	-2240801	146301	SLV 5	6.747				Si
1068	20.11	1.1	0	5	-211522	134606	-33320	-2.02	1.92	-1278942	813879	SLV 9	6.046				Si
1101	20.11	1.1	0	5	-171276	187839	-33168	-2.02	1.92	-948755	1040503	SLV 9	5.539				Si
1135	20.11	1.1	0	5	-144110	244783	-33016	-2.02	1.92	-705662	1198629	SLV 9	4.897				Si
1155	20.11	1.1	0	5	422360	-175846	-22250	-2.02	1.92	1744801	-726435	SLV 9	4.131				Si
1189	20.11	1.1	0	5	182034	-138155	-22901	-2.02	1.92	1265545	-960491	SLV 5	6.952				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1223	20.11	1.1	0	5	-47126	-114877	-22749	-2.02	1.92	-451106	-1099652	SLV 5	9.572				Si
1256	20.11	1.1	0	5	-230653	-99804	-22597	-2.02	1.92	-1689441	-731025	SLV 5	7.325				Si
1290	20.11	1.1	0	5	-439644	-97808	-22445	-2.02	1.92	-2174355	-483730	SLV 5	4.946				Si
1310	20.11	1.8	0	5,6,7,9	316204	69742	-6692	-2.02	1.92	1696724	374228	SLV 11	5.366				Si
1344	14.75	1.8	0	5,6,7,9	222875	68127	-6540	-2.02	1.92	1562889	477736	SLV 11	7.012				Si
1378	12.06	0.7	0	6,7,9	-117785	105595	-16409	-2.02	1.92	-1050768	942019	SLV 9	8.921				Si
1411	12.06	0.7	0	6,7,9	-82000	169356	-16257	-2.02	1.92	-546076	1127821	SLV 9	6.659				Si
1445	12.06	0.7	0	6,7,9	62998	235749	-16105	-2.02	1.92	312343	1168849	SLV 9	4.958				Si
1465	12.06	0.7	0	6,7,9	520553	-144375	-5890	-2.02	1.92	965213	-267701	SLV 9	1.854				Si
1499	12.06	0.7	0	6,7,9	357821	-85498	-5738	-2.02	1.92	1123161	-268370	SLV 9	3.139				Si
1533	12.06	0.7	0	6,7,9	220625	-50185	-5586	-2.02	1.92	1442843	-328198	SLV 9	6.54				Si
1566	12.1	1.1	0	6,7,8,9	160512	-141636	-7474	-2.02	1.92	804763	-710125	SLV 3	5.014				Si
1600	24.75	2	0	6,7,8,9,10	176647	-168260	-7322	-2.02	1.92	998358	-950958	SLV 3	5.652				Si
1620	4.02	0.4	0	10	222671	13462	-3145	-2.02	1.92	235058	14211	SLV 7	1.056				Si
1650	8.76	1.8	0	10,11,12	176222	12008	-3078	-2.02	1.92	333762	22743	SLV 7	1.894				Si
1680	12.06	1.3	0	11,12	-120755	54913	-1778	-2.02	1.92	-384954	175056	SLV 9	3.188				Si
1710	12.06	1.3	0	11,12	-111150	47916	-1710	-2.02	1.92	-391541	168790	SLV 9	3.523				Si
1740	12.06	1.3	0	11,12	-104432	40919	-1643	-2.02	1.92	-399892	156686	SLV 9	3.829				Si
1770	12.06	1.3	0	11,12	-104638	33922	-1575	-2.02	1.92	-410294	133012	SLV 9	3.921				Si
1800	12.06	1.3	0	11,12	-119805	18170	-1756	-2.02	1.92	-442750	67148	SLV 5	3.696				Si
1830	12.06	1.3	0	11,12	-150156	13331	-1688	-2.02	1.92	-440438	39103	SLV 5	2.933				Si
1860	12.06	1.3	0	11,12	-189190	7381	-1621	-2.02	1.92	-437961	17087	SLV 5	2.315				Si
1890	12.06	1.3	0	11,12	-232326	342	-1553	-2.02	1.92	-436646	642	SLV 5	1.879				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	602780	-89763	-71016	1927586	-287047	SLD 9	3.198	Si
-111	20.11	2.2	0	1,2	539516	-78540	-70888	1817342	-264560	SLD 9	3.368	Si
-82	20.11	1.1	0	2	545549	44669	-69346	1913576	156680	SLD 5	3.508	Si
-53	20.11	1.1	0	2	474088	71931	-69215	1699985	257930	SLD 5	3.586	Si
-24	20.11	1.1	0	2	402678	63507	-69084	1527037	240832	SLD 5	3.792	Si
5	20.11	1.1	0	2	331342	55653	-68953	1331867	223704	SLD 5	4.02	Si
35	20.11	1.1	0	2	260115	49049	-68822	1110549	209411	SLD 5	4.269	Si
64	20.11	1.1	0	2	189061	45039	-68691	857579	204295	SLD 5	4.536	Si
93	20.11	1.1	0	2	88178	12745	-69971	414947	59976	SLD 9	4.706	Si
122	20.11	1.1	0	2	23974	21373	-69841	113026	100764	SLD 9	4.715	Si
151	20.11	1.1	0	2	-20972	31277	-69710	-99060	147735	SLD 9	4.723	Si
180	20.11	1.1	0	2	-85755	41341	-69581	-405807	195632	SLD 9	4.732	Si
200	20.11	1.1	0	2	52593	-96352	-66981	250011	-458029	SLD 9	4.754	Si
232	20.11	1.1	0	2	48536	-81617	-66839	237334	-399098	SLD 9	4.89	Si
264	20.11	1.1	0	2	49111	-67608	-66695	242458	-333779	SLD 9	4.937	Si
296	20.11	1.1	0	2	12227	-57873	-66551	60493	-286333	SLD 9	4.948	Si
328	20.11	1.1	0	2	17504	-50444	-66407	86789	-250119	SLD 9	4.958	Si
360	20.11	1.1	0	2	233733	-126988	-52207	1110873	-603543	SLD 3	4.753	Si
380	20.11	2.2	0	2,3	-112009	59016	-56289	-622398	327932	SLD 9	5.557	Si
414	20.11	2.2	0	2,3	-111193	80947	-56137	-596759	434432	SLD 9	5.367	Si
448	20.11	1.1	0	3	-116865	96280	-55985	-609611	502234	SLD 9	5.216	Si
481	20.11	1.1	0	3	-57769	103752	-55833	-312090	560508	SLD 9	5.402	Si
515	20.11	1.1	0	3	-69689	113077	-55681	-367810	596811	SLD 9	5.278	Si
535	20.11	1.1	0	3	186229	-125461	-50165	945296	-636842	SLD 9	5.076	Si
569	20.11	1.1	0	3	115358	-103648	-50013	645811	-580258	SLD 9	5.598	Si
603	20.11	1.1	0	3	64425	-86421	-48989	395660	-530744	SLD 5	6.141	Si
636	20.11	1.1	0	3	-59581	-76108	-48837	-376291	-480666	SLD 5	6.316	Si
670	20.11	1.1	0	3	-137567	-78309	-48685	-806061	-458845	SLD 5	5.859	Si
690	20.11	2.2	0	3,4	-22851	15651	-43650	-172374	118064	SLD 9	7.543	Si
724	20.11	2.2	0	3,4	-47752	66052	-42634	-347326	480438	SLD 5	7.274	Si
758	20.11	1.1	0	4	-26422	72421	-43346	-190781	522913	SLD 9	7.22	Si
791	20.11	1.1	0	4	-1944	91890	-43195	-13716	648384	SLD 9	7.056	Si
825	20.11	1.1	0	4	7593	113891	-43043	50790	761805	SLD 9	6.689	Si
845	20.11	1.1	0	4	277585	-131443	-37196	1494715	-707782	SLD 9	5.385	Si
879	20.11	1.1	0	4	219228	-110232	-37044	1324240	-665852	SLD 9	6.04	Si
913	20.11	1.1	0	4	119577	-94281	-36287	846610	-667515	SLD 5	7.08	Si
946	20.11	1.1	0	4	35772	-106381	-32535	289458	-860813	SLD 1	8.092	Si
980	20.11	1.1	0	4	-77042	-92870	-35983	-576683	-695158	SLD 5	7.485	Si
1000	20.11	2.2	0	4,5	-189899	87205	-22428	-1577509	724418	SLD 1	8.307	Si
1034	20.11	2.2	0	4,5	-164764	59749	-26530	-1452468	526709	SLD 9	8.815	Si
1068	20.11	1.1	0	5	-149619	90358	-26379	-1236546	746776	SLD 9	8.265	Si
1101	20.11	1.1	0	5	-136907	110551	-26227	-1085497	876532	SLD 9	7.929	Si
1135	20.11	1.1	0	5	-128377	132380	-26075	-961539	991518	SLD 9	7.49	Si
1155	20.11	1.1	0	5	212011	-116099	-19601	1546760	-847019	SLD 9	7.296	Si
1189	20.11	1.1	0	5	101115	-94239	-19781	1018338	-949086	SLD 5	10.071	Si
1223	20.11	1.1	0	5	-10681	-78041	-19629	-137041	-1001267	SLD 5	12.83	Si
1256	20.11	1.1	0	5	-95572	-65298	-19477	-1110565	-758782	SLD 5	11.62	Si
1290	20.11	1.1	0	5	-193565	-58120	-19325	-1867510	-560737	SLD 5	9.648	Si
1310	20.11	1.8	0	5,6,7,9	128577	41723	-9492	1939672	629418	SLD 11	15.086	Si
1344	14.75	1.8	0	5,6,7,9	60058	54739	-11092	1000220	911626	SLD 15	16.654	Si
1378	12.06	0.7	0	6,7,9	-55558	67503	-13200	-780743	948602	SLD 9	14.053	Si
1411	12.06	0.7	0	6,7,9	-51247	97662	-13049	-585445	1115675	SLD 9	11.424	Si
1445	12.06	0.7	0	6,7,9	10771	129112	-12897	106263	1273722	SLD 9	9.865	Si
1465	12.06	0.7	0	6,7,9	303002	-107832	-6425	1097425	-390551	SLD 9	3.622	Si
1499	12.06	0.7	0	6,7,9	217918	-75287	-6274	1327911	-458774	SLD 9	6.094	Si
1533	12.06	0.7	0	6,7,9	122642	-67096	-6339	1334040	-729842	SLD 5	10.877	Si
1566	12.1	1.1	0	6,7,8,9	95807	-79394	-6842	1054216	-873618	SLD 3	11.004	Si
1600	24.75	2	0	6,7,8,9,10	77910	-80908	-6690	1096264	-1138456	SLD 3	14.071	Si
1620	4.02	0.4	0	10	120696	28749	-2820	243484	57996	SLD 7	2.017	Si
1650	8.76	1.8	0	10,11,12	89614	25770	-2752	352172	101272	SLD 7	3.93	Si
1680	12.06	1.3	0	11,12	-49100	42676	-2104	-392630	341259	SLD 9	7.997	Si
1710	12.06	1.3	0	11,12	-53726	37204	-2036	-416368	288324	SLD 9	7.75	Si
1740	12.06	1.3	0	11,12	-59858	31732	-1969	-435758	231003	SLD 9	7.28	Si
1770	12.06	1.3	0	11,12	-69906	26260	-1901	-448377	168430	SLD 9	6.414	Si
1800	12.06	1.3	0	11,12	-88411	17045	-1950	-467458	90124	SLD 5	5.287	Si
1830	12.06	1.3	0	11,12	-114027	12503	-1882	-460113	50450	SLD 5	4.035	Si
1860	12.06	1.3	0	11,12	-142854	7454	-1815	-453864	23681	SLD 5	3.177	Si
1890	12.06	1.3	0	11,12	-173021	1923	-1747	-449912	5001	SLD 5	2.6	Si

Verifica a taglio in famiglia SLU

	Direzione X	Direzione Y	Verifica

Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	238	-74072	SLU 33	15366	51792	52120	2.35	217.78	-2365	-97505	SLU 52	15029	48385	55356	2.5	20.46	Si
-111	5X/2Y Ø8/10	238	-73904	SLU 33	15366	51792	52098	2.35	217.78	-2365	-97338	SLU 52	15029	48385	55356	2.5	20.46	Si
-82	5X/2Y Ø8/10	238	-73734	SLU 33	15366	51792	52075	2.35	217.78	-2365	-97167	SLU 52	15029	48385	55356	2.5	20.46	Si
-53	5X/2Y Ø8/10	238	-73564	SLU 33	15366	51792	52052	2.35	217.78	-2365	-96997	SLU 52	15029	48385	55356	2.5	20.46	Si
-24	5X/2Y Ø8/15	238	-73394	SLU 33	15366	36732	49796	2.5	154.46	-2365	-96827	SLU 52	15029	32257	55356	2.5	13.64	Si
5	5X/2Y Ø8/15	238	-73224	SLU 33	15366	36732	49774	2.5	154.46	-2365	-96657	SLU 52	15029	32257	55356	2.5	13.64	Si
35	5X/2Y Ø8/15	238	-73054	SLU 33	15366	36732	49752	2.5	154.46	-2365	-96487	SLU 52	15029	32257	55356	2.5	13.64	Si
64	5X/2Y Ø8/15	238	-72883	SLU 33	15366	36732	49730	2.5	154.46	-2365	-96317	SLU 52	15029	32257	55356	2.5	13.64	Si
93	5X/2Y Ø8/15	238	-72713	SLU 33	15366	36732	49708	2.5	154.46	-2365	-96146	SLU 52	15029	32257	55356	2.5	13.64	Si
122	5X/2Y Ø8/15	238	-72543	SLU 33	15366	36732	49686	2.5	154.46	-2365	-95976	SLU 52	15029	32257	55356	2.5	13.64	Si
151	5X/2Y Ø8/15	238	-72373	SLU 33	15366	36732	49665	2.5	154.46	-2365	-95806	SLU 52	15029	32257	55356	2.5	13.64	Si
180	5X/2Y Ø8/15	238	-72206	SLU 33	15366	36732	49643	2.5	154.46	-2365	-95639	SLU 52	15029	32257	55356	2.5	13.64	Si
200	5X/2Y Ø8/15	-584	-88067	SLU 45	15366	36732	50429	2.5	62.94	2692	-94516	SLU 49	15029	32257	55356	2.5	11.98	Si
232	5X/2Y Ø8/15	-584	-87882	SLU 45	15366	36732	50429	2.5	62.94	2692	-94332	SLU 49	15029	32257	55356	2.5	11.98	Si
264	5X/2Y Ø8/10	-584	-87695	SLU 45	15366	51792	52691	2.35	88.75	2692	-94145	SLU 49	15029	48385	55356	2.5	17.97	Si
296	5X/2Y Ø8/10	-584	-87508	SLU 45	15366	51792	52691	2.35	88.75	2692	-93958	SLU 49	15029	48385	55356	2.5	17.97	Si
328	5X/2Y Ø8/10	-584	-87321	SLU 45	15366	51792	52691	2.35	88.75	2692	-93770	SLU 49	15029	48385	55356	2.5	17.97	Si
360	5X/2Y Ø8/10	-584	-87136	SLU 45	15366	51792	52691	2.35	88.75	2692	-93586	SLU 49	15029	48385	55356	2.5	17.97	Si
380	5X/2Y Ø8/10	-507	-76777	SLU 49	15366	51792	52484	2.35	102.06	-1135	-76777	SLU 49	15029	48385	55140	2.5	42.61	Si
414	5X/2Y Ø8/10	-507	-76580	SLU 49	15366	51792	52458	2.35	102.06	-1135	-76580	SLU 49	15029	48385	55112	2.5	42.61	Si
448	5X/2Y Ø8/10	-507	-76382	SLU 49	15366	51792	52431	2.35	102.06	-1135	-76382	SLU 49	15029	48385	55084	2.5	42.61	Si
481	5X/2Y Ø8/14.4	-507	-76185	SLU 49	15366	38145	50155	2.5	75.16	-1135	-76185	SLU 49	15029	33497	55056	2.5	29.5	Si
515	5X/2Y Ø8/14.4	-507	-75987	SLU 49	15366	38145	50130	2.5	75.16	-1135	-75987	SLU 49	15029	33497	55028	2.5	29.5	Si
535	5X/2Y Ø8/14.4	374	-58493	SLU 38	14849	38145	47877	2.5	101.9	-506	-58493	SLU 38	14461	33497	52555	2.5	66.15	Si
569	5X/2Y Ø8/14.4	374	-58295	SLU 38	14824	38145	47851	2.5	101.9	-506	-58295	SLU 38	14434	33497	52527	2.5	66.15	Si
603	5X/2Y Ø8/10	374	-58098	SLU 38	14800	50690	50715	2.3	135.42	-506	-58098	SLU 38	14407	48385	52499	2.5	95.55	Si
636	5X/2Y Ø8/10	374	-57900	SLU 38	14775	49588	51447	2.25	132.47	-506	-57900	SLU 38	14380	48385	52471	2.5	95.55	Si
670	5X/2Y Ø8/10	374	-57703	SLU 38	14750	49588	51420	2.25	132.47	-506	-57703	SLU 38	14353	48385	52443	2.5	95.55	Si
690	5X/2Y Ø8/10	-185	-40916	SLU 15	12661	48486	49831	2.2	262.33	-888	-60590	SLU 49	14747	48385	52851	2.5	54.46	Si
724	5X/2Y Ø8/10	-185	-40765	SLU 15	12642	48486	49809	2.2	262.33	-888	-60393	SLU 49	14721	48385	52823	2.5	54.46	Si
758	5X/2Y Ø8/10	-185	-40613	SLU 15	12623	48486	49788	2.2	262.33	-888	-60195	SLU 49	14694	48385	52795	2.5	54.46	Si
791	5X/2Y Ø8/14.4	-185	-40461	SLU 15	12604	38145	45554	2.5	206.38	-888	-59998	SLU 49	14667	33497	52767	2.5	37.7	Si
825	5X/2Y Ø8/14.4	-185	-40309	SLU 15	12585	38145	45535	2.5	206.38	-888	-59801	SLU 49	14640	33497	52740	2.5	37.7	Si
845	5X/2Y Ø8/14.4	372	-45073	SLU 38	13178	38145	46149	2.5	102.52	-766	-54405	SLU 52	13902	33497	51977	2.5	43.71	Si
879	5X/2Y Ø8/14.4	372	-44876	SLU 38	13153	38145	46123	2.5	102.52	-766	-54207	SLU 52	13875	33497	51949	2.5	43.71	Si
913	5X/2Y Ø8/10	372	-44678	SLU 38	13129	49588	49614	2.25	133.28	-766	-54010	SLU 52	13848	48385	51921	2.5	63.13	Si
946	5X/2Y Ø8/10	372	-44481	SLU 38	13104	48486	50332	2.2	130.32	-766	-53812	SLU 52	13821	48385	51893	2.5	63.13	Si
980	5X/2Y Ø8/10	372	-44283	SLU 38	13080	48486	50305	2.2	130.32	-766	-53615	SLU 52	13794	48385	51865	2.5	63.13	Si
1000	5X/2Y Ø8/10	0	-30645	SLU 20	11382	47384	49115	2.15	1000	-170	-30696	SLU 36	10662	48385	48625	2.5	284	Si
1034	5X/2Y Ø8/10	0	-30493	SLU 20	11363	47384	49093	2.15	1000	-170	-30499	SLU 36	10635	48385	48597	2.5	284	Si
1068	5X/2Y Ø8/10	0	-30341	SLU 20	11344	47384	49072	2.15	1000	-170	-30301	SLU 36	10608	48385	48569	2.5	284	Si
1101	5X/2Y Ø8/14.4	-42	-24139	SLU 14	10572	38145	43452	2.5	908.94	-170	-30104	SLU 36	10581	33497	48541	2.5	196.62	Si
1135	5X/2Y Ø8/14.4	-42	-23988	SLU 14	10553	38145	43433	2.5	908.94	-170	-29906	SLU 36	10554	33497	48513	2.5	196.62	Si
1155	5X/2Y Ø8/14.4	661	-29556	SLU 51	11246	38145	44150	2.5	57.7	-1437	-29500	SLU 52	10499	33497	48456	2.5	23.3	Si
1189	5X/2Y Ø8/14.4	661	-29359	SLU 51	11222	38145	44125	2.5	57.7	-1437	-29303	SLU 52	10472	33497	48428	2.5	23.3	Si
1223	5X/2Y Ø8/10	661	-29161	SLU 51	11197	47384	48903	2.15	71.67	-1437	-29105	SLU 52	10445	48385	48400	2.5	33.66	Si
1256	5X/2Y Ø8/10	661	-28964	SLU 51	11172	47384	48875	2.15	71.67	-1437	-28908	SLU 52	10418	47417	49080	2.45	32.99	Si
1290	5X/2Y Ø8/10	661	-28767	SLU 51	11148	47384	48847	2.15	71.67	-1437	-28710	SLU 52	10391	47417	49052	2.45	32.99	Si
1310	2X/2Y Ø8/10	544	-19476	SLU 52	9991	22039	42852	2.5	40.53	-683	-19059	SLU 49	9072	47417	47667	2.45	69.38	Si
1344	2X/2Y Ø8/10	544	-19278	SLU 52	9967	22039	42826	2.5	40.53	-683	-18862	SLU 49	9045	47417	47639	2.45	69.38	Si
1378	2X/2Y Ø8/10	544	-19081	SLU 52	9942	22039	42801	2.5	40.53	-683	-18664	SLU 49	9018	47417	47611	2.45	69.38	Si
1411	2X/2Y Ø8/14.4	544	-18883	SLU 52	9917	15258	42775	2.5	28.06	-683	-18467	SLU 49	8991	33497	46896	2.5	49.01	Si
1445	2X/2Y Ø8/14.4	544	-18686	SLU 52	9893	15258	42750	2.5	28.06	-683	-18269	SLU 49	8964	33497	46868	2.5	49.01	Si
1465	2X/2Y Ø8/14.4	800	-11791	SLU 51	9034	15258	41862	2.5	19.06	-2031	-11763	SLU 52	8075	33497	45948	2.5	16.49	Si
1499	2X/2Y Ø8/14.4	800	-11594	SLU 51	9010	15258	41837	2.5	19.06	-2031	-11566	SLU 52	8048	33497	45920	2.5	16.49	Si
1533	2X/2Y Ø8/10	800	-11396	SLU 51	8985	22039	41811	2.5	27.54	-2031	-11369	SLU 52	8021	46450	47250	2.4	22.87	Si
1566	2X/2Y Ø8/10	800	-11199	SLU 51	8961	22039	41786	2.5	27.54	-2031	-11171	SLU 52	7994	46450	47221	2.4	22.87	Si
1600	2X/2Y Ø8/10	800	-11001	SLU 51	8936	22039	41760	2.5	27.54	-2031	-10974	SLU 52	7967	46450	47193	2.4	22.87	Si
1620	2X/2Y Ø8/10	-252	-4272	SLU 51	4315	21158	21335	2.4	83.85	-1011	-4272	SLU 51	2789	12746	12852	2.4	12.61	Si
1650	2X/2Y Ø8/10	-252	-4184	SLU 51	4304	21158	21323	2.4	83.85	-1011	-4184	SLU 51	4276	20959	21123	2.4	20.73	Si
1680	2X/2Y Ø8/10	-252	-4097	SLU 51	4293	21158	21312	2.4	83.85	-1011	-4097	SLU 51	4265	20959	21111	2.4	20.73	Si
1710	2X/2Y Ø8/10	-252	-4009	SLU 51	4282	21158	21300	2.4	83.85	-1011	-4009	SLU 51	4255	20959	21100	2.4	20.73	Si
1740	2X/2Y Ø8/10	-252	-3921	SLU 51	4271	21158	21288	2.4	83.85	-1011	-3921	SLU 51	4244	20959	21088	2.4	20.73	Si
1770	2X/2Y Ø8/10	-252	-3833	SLU 51	4260	21158	21277	2.4	83.85	-1011	-3833	SLU 51	4233	20959	21077	2.4	20.73	Si
1800	2X/2Y Ø8/10	-252	-3746	SLU 51	4250	21158	21265	2.4	83.85	-1011	-3746	SLU 51	4222	20959	21065	2.4	20.73	Si
1830	2X/2Y Ø8/10	-252	-3658	SLU 51	4239	21158	21254	2.4	83.85	-1011	-3658	SLU 51	4211	20959	21054	2.4	20.73	Si
1860	2X/2Y Ø8/10	-252	-3570	SLU 51	4228	21158	21242	2.4	83.85	-1011	-3570	SLU 51	4201	20959	21042	2.4	20.73	Si
1890	2X/2Y Ø8/10	-252	-3482	SLU 51	4217	21158	21230	2.4	83.85	-1011	-3482	SLU 51	4190	20959	21030	2.4	20.73	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	1166	-73804	SLV 13	15366	51792	52084	2.35	44.4	-4334	-85708	SLV 5	15029	48385	55356	2.5	11.16	Si
-111	5X/2Y Ø8/10	1166	-73676	SLV 13	15366	51792	52067	2.35	44.4	-4334	-85579	SLV 5	15029	48385	55356	2.5	11.16	Si
-82	5X/2Y Ø8/10	1166	-73545	SLV 13	15366	51792	52049	2.35	44.4	-4334	-85448	SLV 5	15029	48385	55356	2.5	11.16	Si
-53	5X/2Y Ø8/10	1166	-73414	SLV 13	15366	51792	52032	2.35	44.4	-4334	-85317	SLV 5	15029	48385	55356	2.5	11.16	Si
-24	5X/2Y Ø8/15	1166	-73283	SLV 13	15366	36732	49782	2.5	31.49	-4334	-85186	SLV 5	15029	32257	55356	2.5	7.44	Si
5	5X/2Y Ø8/15	1166	-73152	SLV 13	15366	36732	49765	2.5	31.49	-4334	-85056	SLV 5	15029	32257	55356	2.5	7.44	Si
35	5X/2Y Ø8/15	1166	-73021	SLV 13	15366	36732	49748	2.5	31.49	-4334	-84925	SLV 5	15029	32257	55356	2.5	7.44	Si
64	5X/2Y Ø8/15	1166	-72890	SLV 13	15366	36732	49731	2.5	31.49	-4334	-84794	SLV 5	15029	32257	55356	2.5	7.44	Si
93	5X/2Y Ø8/15	1166	-72759	SLV 13	15366	36732	49714	2.5	31.49	-4334	-84663	SLV 5	15029	32257	55356	2.5	7.44	Si
122	5X/2Y Ø8/15	1166	-72629	SLV 13	15366	36732	49697	2.5	31.49	-4334	-84532	SLV 5	15029	32257	55356	2.5	7.44	Si
151	5X/2Y Ø8/15	1166	-72498	SLV 13	15366	36732	49681	2.5	31.49	-4334	-84401	SLV 5	15029	32257	55356	2.5	7.44	Si
180	5X/2Y Ø8/15	1166	-72369	SLV 13	15366	36732	49664	2.5	31.49	-4334	-84272	SLV 5	15029	32257	55356	2.5	7.44	Si
200	5X/2Y Ø8/15	-3139	-45803	SLV 3	13269	36732	46242	2.5	11.7	5953	-33234	SLV 7	11009	32257	48984	2.5	5.42	Si
232	5X/2Y Ø8/15	-3139	-45661	SLV 3	13251	36732	46224	2.5	11.7	5953	-33092	SLV 7	10989	32257	48964	2.5	5.42	Si
264	5X/2Y Ø8/10	-3139	-45517	SLV 3	13233	49588	49731	2.25	15.8	5953	-32948	SLV 7	10970	48385	48943	2.5	8.13	Si
296	5X/2Y Ø8/10	-3139	-45373	SLV 3	13215	49588	49711	2.25	15.8	5953	-32804	SLV 7	10950	48385	48923	2.5	8.13	Si
328	5X/2Y Ø8/10	-3139	-45229	SLV 3	13197	49588	49691	2.25	15.8	5953	-32660	SLV 7	10930	48385	48903	2.5	8.13	Si
360	5X/2Y Ø8/10	-3139	-45087	SLV 3	13180	49588	49671	2.25	15.8	5953	-32518	SLV 7	10911	48385	48882	2.5	8.13	Si
380	5X/2Y Ø8/10	-2069	-35040	SLV 3	11929	48486	49004	2.2	23.43	-2839	-25243	SLV 11	9917	47417	48554	2.45	16.7	Si
414	5X/2Y Ø8/10	-2069	-34889	SLV 3	11910	48486	48983	2.2	23.43	-2839	-25091	SLV 11	9896	47417	48533	2.45	16.7	Si
448	5X/2Y Ø8/10	-2069	-34737	SLV 3	11891	48486	48961	2.2	23.43	-2839	-24939	SLV 11	9875	47417	48511	2.45	16.7	Si
481	5X/2Y Ø8/14.4	-2069	-34585	SLV 3	11872	38145	44798	2.5	18.43	-2839	-24787	SLV 11	9855	33497	47789	2.5	11.8	Si
515	5X/2Y Ø8/14.4	-2069	-34433	SLV 3	11853	38145	44778	2.5	18.43	-2839	-24635	SLV 11	9834	33497	47768	2.5	11.8	Si
535	5X/2Y Ø8/14.4	1992	-51848	SLV 13	14022	38145	47021	2.5	19.15	-6159	-58701	SLV 5	14489	33497	52584	2.5	5.44	Si
569	5X/2Y Ø8/14.4	1992	-51696	SLV 13	14003	38145	47002	2.5	19.15	-6159	-58549	SLV 5	14469	33497	52563	2.5	5.44	Si
603	5X/2Y Ø8/10	1992	-51544	SLV 13	13984	49588	50566	2.25	24.89	-6159	-58397	SLV 5	14448	48385	52541	2.5	7.86	Si
636	5X/2Y Ø8/10	1992	-51392	SLV 13	13965	49588	50545	2.25	24.89	-6159	-58245	SLV 5	14427	48385	52520	2.5	7.86	Si
670	5X/2Y Ø8/10	1992	-51240	SLV 13	13946	49588	50524	2.25	24.89	-6159	-58093	SLV 5	14406	48385	52498	2.5	7.86	Si

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
690	5X/2Y Ø8/10	-2089	-27992	SLV 3	11052	47384	48736	2.15	22.68	-2503	-20949	SLV 11	9330	47417	47938	2.45	18.95	Si
724	5X/2Y Ø8/10	-2089	-27841	SLV 3	11033	47384	48715	2.15	22.68	-2503	-20797	SLV 11	9309	47417	47917	2.45	18.95	Si
758	5X/2Y Ø8/10	-2089	-27689	SLV 3	11014	47384	48693	2.15	22.68	-2503	-20645	SLV 11	9288	47417	47895	2.45	18.95	Si
791	5X/2Y Ø8/14.4	-2089	-27537	SLV 3	10995	38145	43890	2.5	18.26	-2503	-20493	SLV 11	9268	33497	47182	2.5	13.39	Si
825	5X/2Y Ø8/14.4	-2089	-27385	SLV 3	10976	38145	43870	2.5	18.26	-2503	-20341	SLV 11	9247	33497	47161	2.5	13.39	Si
845	5X/2Y Ø8/14.4	1956	-38379	SLV 13	12345	38145	45286	2.5	19.5	-6436	-42472	SLV 5	12271	33497	50290	2.5	5.21	Si
879	5X/2Y Ø8/14.4	1956	-38227	SLV 13	12326	38145	45267	2.5	19.5	-6436	-42320	SLV 5	12251	33497	50268	2.5	5.21	Si
913	5X/2Y Ø8/10	1956	-38076	SLV 13	12307	48486	49431	2.2	24.79	-6436	-42168	SLV 5	12230	48385	50247	2.5	7.52	Si
946	5X/2Y Ø8/10	1956	-37924	SLV 13	12288	48486	49410	2.2	24.79	-6436	-42017	SLV 5	12209	48385	50225	2.5	7.52	Si
980	5X/2Y Ø8/10	1956	-37772	SLV 13	12269	48486	49388	2.2	24.79	-6436	-41865	SLV 5	12188	48385	50204	2.5	7.52	Si
1000	5X/2Y Ø8/10	-1807	-10644	SLV 7	8892	46282	46957	2.1	25.61	-2150	-12090	SLV 11	8119	46450	47355	2.4	21.61	Si
1034	5X/2Y Ø8/10	-1807	-10492	SLV 7	8873	46282	46935	2.1	25.61	-2150	-11938	SLV 11	8099	46450	47333	2.4	21.61	Si
1068	5X/2Y Ø8/10	-1807	-10340	SLV 7	8854	46282	46913	2.1	25.61	-2150	-11787	SLV 11	8078	46450	47311	2.4	21.61	Si
1101	5X/2Y Ø8/14.4	-1807	-10188	SLV 7	8835	38145	41656	2.5	21.11	-2150	-11635	SLV 11	8057	33497	45930	2.5	15.58	Si
1135	5X/2Y Ø8/14.4	-1807	-10036	SLV 7	8816	38145	41636	2.5	21.11	-2150	-11483	SLV 11	8036	33497	45909	2.5	15.58	Si
1155	5X/2Y Ø8/14.4	1708	-17941	SLV 13	9800	38145	42654	2.5	22.34	-6303	-22250	SLV 9	9508	33497	47431	2.5	5.31	Si
1189	5X/2Y Ø8/14.4	1708	-17790	SLV 13	9781	38145	42635	2.5	22.34	-6303	-22099	SLV 9	9487	33497	47409	2.5	5.31	Si
1223	5X/2Y Ø8/10	1708	-17638	SLV 13	9762	46282	47971	2.1	27.1	-6303	-21947	SLV 9	9466	47417	48082	2.45	7.52	Si
1256	5X/2Y Ø8/10	1708	-17486	SLV 13	9743	46282	47949	2.1	27.1	-6303	-21795	SLV 9	9446	47417	48060	2.45	7.52	Si
1290	5X/2Y Ø8/10	1708	-17334	SLV 13	9725	46282	47927	2.1	27.1	-6303	-21643	SLV 9	9425	47417	48038	2.45	7.52	Si
1310	2X/2Y Ø8/10	2020	-16713	SLV 9	9647	22039	42496	2.5	10.91	-2902	-6692	SLV 11	7382	46450	46569	2.4	16.01	Si
1344	2X/2Y Ø8/10	2020	-16561	SLV 9	9628	22039	42476	2.5	10.91	-2902	-6540	SLV 11	7361	46450	46547	2.4	16.01	Si
1378	2X/2Y Ø8/10	2020	-16409	SLV 9	9609	22039	42457	2.5	10.91	-2902	-6388	SLV 11	7340	46450	46525	2.4	16.01	Si
1411	2X/2Y Ø8/14.4	2020	-16257	SLV 9	9590	15258	42437	2.5	7.55	-2902	-6236	SLV 11	7319	33497	45167	2.5	11.54	Si
1445	2X/2Y Ø8/14.4	2020	-16105	SLV 9	9572	15258	42418	2.5	7.55	-2902	-6084	SLV 11	7298	33497	45145	2.5	11.54	Si
1465	2X/2Y Ø8/14.4	1697	-5757	SLV 13	8283	15258	41085	2.5	8.99	-5248	-5890	SLV 9	7272	33497	45118	2.5	6.38	Si
1499	2X/2Y Ø8/14.4	1697	-5605	SLV 13	8264	15258	41065	2.5	8.99	-5248	-5738	SLV 9	7251	33497	45096	2.5	6.38	Si
1533	2X/2Y Ø8/10	1697	-5453	SLV 13	8245	22039	41046	2.5	12.99	-5248	-5586	SLV 9	7230	45482	47096	2.35	8.67	Si
1566	2X/2Y Ø8/10	1697	-5301	SLV 13	8226	22039	41026	2.5	12.99	-5248	-5434	SLV 9	7210	45482	47074	2.35	8.67	Si
1600	2X/2Y Ø8/10	1697	-5150	SLV 13	8208	22039	41007	2.5	12.99	-5248	-5283	SLV 9	7189	45482	47051	2.35	8.67	Si
1620	2X/2Y Ø8/10	-278	-1968	SLV 13	4028	20717	21341	2.35	74.58	-1603	-3145	SLV 7	2705	12746	12762	2.4	7.95	Si
1650	2X/2Y Ø8/10	-278	-1901	SLV 13	4020	20717	21332	2.35	74.58	-1603	-3078	SLV 7	4140	20959	20977	2.4	13.08	Si
1680	2X/2Y Ø8/10	-278	-1833	SLV 13	4011	20717	21323	2.35	74.58	-1603	-3010	SLV 7	4131	20959	20969	2.4	13.08	Si
1710	2X/2Y Ø8/10	-278	-1766	SLV 13	4003	20717	21314	2.35	74.58	-1603	-2943	SLV 7	4123	20959	20960	2.4	13.08	Si
1740	2X/2Y Ø8/10	-278	-1698	SLV 13	3995	20717	21305	2.35	74.58	-1603	-2875	SLV 7	4115	20522	21261	2.35	12.81	Si
1770	2X/2Y Ø8/10	-278	-1631	SLV 13	3986	20717	21296	2.35	74.58	-1603	-2808	SLV 7	4107	20522	21252	2.35	12.81	Si
1800	2X/2Y Ø8/10	-278	-1563	SLV 13	3978	20717	21287	2.35	74.58	-1603	-2740	SLV 7	4098	20522	21243	2.35	12.81	Si
1830	2X/2Y Ø8/10	-278	-1496	SLV 13	3969	20717	21278	2.35	74.58	-1603	-2673	SLV 7	4090	20522	21234	2.35	12.81	Si
1860	2X/2Y Ø8/10	-278	-1428	SLV 13	3961	20717	21269	2.35	74.58	-1603	-2605	SLV 7	4082	20522	21225	2.35	12.81	Si
1890	2X/2Y Ø8/10	-278	-1361	SLV 13	3953	20717	21259	2.35	74.58	-1603	-2538	SLV 7	4073	20522	21216	2.35	12.81	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	485	-64967	SLD 13	15655	55098	48711	2.5	100.37	-2463	-69605	SLD 5	15980	48385	54126	2.5	19.64	Si
-111	5X/2Y Ø8/10	485	-64839	SLD 13	15639	55098	48694	2.5	100.34	-2463	-69477	SLD 5	15962	48385	54108	2.5	19.64	Si
-82	5X/2Y Ø8/10	485	-64708	SLD 13	15623	55098	48677	2.5	100.3	-2463	-69346	SLD 5	15944	48385	54089	2.5	19.64	Si
-53	5X/2Y Ø8/10	485	-64577	SLD 13	15606	55098	48660	2.5	100.27	-2463	-69215	SLD 5	15926	48385	54071	2.5	19.64	Si
-24	5X/2Y Ø8/15	485	-64446	SLD 13	15590	36732	48644	2.5	75.69	-2463	-69084	SLD 5	15908	32257	54052	2.5	13.09	Si
5	5X/2Y Ø8/15	485	-64315	SLD 13	15574	36732	48627	2.5	75.69	-2463	-68953	SLD 5	15890	32257	54034	2.5	13.09	Si
35	5X/2Y Ø8/15	485	-64184	SLD 13	15557	36732	48610	2.5	75.69	-2463	-68822	SLD 5	15873	32257	54015	2.5	13.09	Si
64	5X/2Y Ø8/15	485	-64053	SLD 13	15541	36732	48593	2.5	75.69	-2463	-68691	SLD 5	15855	32257	53996	2.5	13.09	Si
93	5X/2Y Ø8/15	485	-63922	SLD 13	15525	36732	48576	2.5	75.69	-2463	-68560	SLD 5	15837	32257	53978	2.5	13.09	Si
122	5X/2Y Ø8/15	485	-63792	SLD 13	15508	36732	48559	2.5	75.69	-2463	-68429	SLD 5	15819	32257	53959	2.5	13.09	Si
151	5X/2Y Ø8/15	485	-63661	SLD 13	15492	36732	48542	2.5	75.69	-2463	-68299	SLD 5	15801	32257	53941	2.5	13.09	Si
180	5X/2Y Ø8/15	485	-63532	SLD 13	15476	36732	48526	2.5	75.69	-2463	-68170	SLD 5	15783	32257	53923	2.5	13.09	Si
200	5X/2Y Ø8/15	-1384	-52923	SLD 3	14155	36732	47159	2.5	26.55	3292	-48021	SLD 7	13030	32257	51074	2.5	9.8	Si
232	5X/2Y Ø8/15	-1384	-52781	SLD 3	14138	36732	47141	2.5	26.55	3292	-47880	SLD 7	13010	32257	51054	2.5	9.8	Si
264	5X/2Y Ø8/10	-1384	-52637	SLD 3	14120	55098	47123	2.5	34.06	3292	-47736	SLD 7	12991	48385	51034	2.5	14.7	Si
296	5X/2Y Ø8/10	-1384	-52493	SLD 3	14102	55098	47104	2.5	34.04	3292	-47592	SLD 7	12971	48385	51013	2.5	14.7	Si
328	5X/2Y Ø8/10	-1384	-52349	SLD 3	14084	55098	47086	2.5	34.03	3292	-47448	SLD 7	12951	48385	50993	2.5	14.7	Si
360	5X/2Y Ø8/10	-1384	-52207	SLD 3	14066	55098	47067	2.5	34.02	3292	-47306	SLD 7	12932	48385	50973	2.5	14.7	Si
380	5X/2Y Ø8/10	-1005	-42169	SLD 3	12816	55098	45774	2.5	45.54	-1514	-38357	SLD 11	11709	48385	49708	2.5	31.96	Si
414	5X/2Y Ø8/10	-1005	-42017	SLD 3	12798	55098	45755	2.5	45.52	-1514	-38205	SLD 11	11688	48385	49686	2.5	31.96	Si
448	5X/2Y Ø8/10	-1005	-41865	SLD 3	12779	55098	45735	2.5	45.5	-1514	-38053	SLD 11	11667	48385	49665	2.5	31.96	Si
481	5X/2Y Ø8/14.4	-1005	-41713	SLD 3	12760	38145	45716	2.5	37.95	-1514	-37901	SLD 11	11647	33497	49643	2.5	22.12	Si
515	5X/2Y Ø8/14.4	-1005	-41561	SLD 3	12741	38145	45696	2.5	37.95	-1514	-37749	SLD 11	11626	33497	49622	2.5	22.12	Si
535	5X/2Y Ø8/14.4	861	-46635	SLD 13	13373	38145	46350	2.5	44.31	-2571	-49293	SLD 5	13204	33497	51254	2.5	13.03	Si
569	5X/2Y Ø8/14.4	861	-46483	SLD 13	13354	38145	46330	2.5	44.31	-2571	-49141	SLD 5	13183	33497	51233	2.5	13.03	Si
603	5X/2Y Ø8/10	861	-46332	SLD 13	13335	55098	46311	2.5	53.79	-2571	-48989	SLD 5	13162	48385	51211	2.5	18.82	Si
636	5X/2Y Ø8/10	861	-46180	SLD 13	13316	55098	46291	2.5	53.77	-2571	-48837	SLD 5	13141	48385	51190	2.5	18.82	Si
670	5X/2Y Ø8/10	861	-46028	SLD 13	13297	55098	46271	2.5	53.75	-2571	-48685	SLD 5	13121	48385	51168	2.5	18.82	Si
690	5X/2Y Ø8/10	-871	-33224	SLD 3	11703	55098	44622	2.5	51.2	-1283	-30492	SLD 11	10634	48385	48596	2.5	37.71	Si
724	5X/2Y Ø8/10	-871	-33072	SLD 3	11684	55098	44603	2.5	51.18	-1283	-30340	SLD 11	10613	48385	48574	2.5	37.71	Si
758	5X/2Y Ø8/10	-871	-32921	SLD 3	11665	55098	44583	2.5	51.16	-1283	-30188	SLD 11	10593	48385	48553	2.5	37.71	Si
791	5X/2Y Ø8/14.4	-871	-32769	SLD 3	11646	38145	44564	2.5	43.77	-1283	-30036	SLD 11	10572	33497	48532	2.5	26.11	Si
825	5X/2Y Ø8/14.4	-871	-32617	SLD 3	11627	38145	44544	2.5	43.77	-1283	-29884	SLD 11	10551	33497	48510	2.5	26.11	Si
845	5X/2Y Ø8/14.4	864	-35008	SLD 13	11925	38145	44852	2.5	44.16	-2775	-36591	SLD 5	11468	33497	49458	2.5	12.07	Si
879	5X/2Y Ø8/14.4	864	-34857	SLD 13	11906	38145	44833	2.5	44.16	-2775	-36439	SLD 5	11447	33497	49437	2.5	12.07	Si
913	5X/2Y Ø8/10	864	-34705	SLD 13	11887	55098	44813	2.5	51.88	-2775	-36287	SLD 5	11426	48385	49415	2.5	17.44	Si
946	5X/2Y Ø8/10	864	-34553	SLD 13	11868	55098	44794	2.5	51.85	-2775	-36135	SLD 5	11405	48385	49394	2.5	17.44	Si
980	5X/2Y Ø8/10	864	-34401	SLD 13	11849	55098	44774	2.5	51.83	-2775	-35983	SLD 5	11385	48385	49372	2.5	17.44	Si
1000	5X/2Y Ø8/10	-719	-17585	SLD 7	9756	53996	43232	2.45	60.14	-891	-18174	SLD 11	8951	48385	46854	2.5	52.61	Si
1034	5X/2Y Ø8/10	-719	-17433	SLD 7	9737	53996	43212	2.45	60.11	-891	-18022	SLD 11	8930	48385	46833	2.5	52.59	Si
1068	5X/2Y Ø8/10	-719	-17281	SLD 7	9718	53996	43192	2.45	60.08	-891	-17870	SLD 11	8909	48385	46812	2.5	52.56	Si
1101	5X/2Y Ø8/14.4	-719	-17129	SLD 7	9699	38145	42550	2.5	53.06	-891	-17718	SLD 11	8888	33497	46790	2.5	37.61	Si
1135	5X/2Y Ø8/14.4	-719	-16977	SLD 7	9680	38145	42530	2.5	53.06	-891	-17566	SLD 11	8868	33497	46769	2.5	37.61	Si
1155	5X/2Y Ø8/14.4	872	-17860	SLD 13	9790	38145	42644	2.5	43.73	-2963	-19601	SLD 9	9146	33497	47056	2.5	11.31	Si
1189	5X/2Y Ø8/14.4	872	-17708	SLD 13	9771	38145	42624	2.5	43.73	-2963	-19449	SLD 9	9125	33497	47035	2.5	11.31	Si
1223	5X/2Y Ø8/10	872	-17556	SLD 13	9752	53996	43228	2.45	49.56	-2963	-19297	SLD 9	9104	48385	47013	2.5	15.87	Si
1256	5X/2Y Ø8/10	872	-17404	SLD 13	9733	53996	43208	2.45	49.54	-2963	-19145	SLD 9	9083	48385	46992	2.5	15.86	Si
1290	5X/2Y Ø8/10	872	-17252	SLD 13	9714	53996	43188	2.45	49.52	-2963	-18993	SLD 9	9063	48385	46970	2.5	15.85	Si
1310	2X/2Y Ø8/10	957	-13504	SLD 9	9248	22039	42083	2.5	23.02	-1351	-9492	SLD 11	7764	48385	45627	2.5	33.78	Si
1344	2X/2Y Ø8/10	957	-13352	SLD 9	9229	22039	42063	2.5	23.02	-1351	-9340	SLD 11	7743	48385	45606	2.5	33.77	Si
1378	2X/2Y Ø8/10	957	-13200	SLD 9	9210	22039	42044	2.5	23.02	-1351	-9189	SLD 11	7723	48385	45584	2.5	33.75	Si
1411	2X/2Y Ø8/14.4	957	-13049	SLD 9	9191	15258	42024	2.5	15.94	-1351	-9037	SLD 11	7702	33497	45563	2.5	24.8	Si
1445	2X/2Y Ø8/14.4	957	-12897	SLD 9	9172	15258	42004	2.5	15.94	-1351	-8885	SLD 11	7681	33497	45541	2.5	24.8	Si
1465	2X/2Y Ø8/14.4	929	-6389	SLD 13	8362	15258	41166	2.5	16.42	-2751	-6425	SLD 9	7345	33497	45194	2.5	12.18	Si
1499	2X/2Y Ø8/14.4	929	-6237	SLD 13	8343	15258	41147	2.5	16.42	-2751	-6274	SLD 9	7324	33497	45172	2.5	12.18	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1533	2X/2Y Ø8/10	929	-6085	SLD 13	8324	22039	41127	2.5	23.71	-2751	-6122	SLD 9	7304	48385	45151	2.5	16.41	Si
1566	2X/2Y Ø8/10	929	-5933	SLD 13	8305	22039	41108	2.5	23.71	-2751	-5970	SLD 9	7283	48385	45129	2.5	16.41	Si
1600	2X/2Y Ø8/10	929	-5781	SLD 13	8286	22039	41088	2.5	23.71	-2751	-5818	SLD 9	7262	48385	45108	2.5	16.4	Si
1620	2X/2Y Ø8/10	-200	-2266	SLD 13	4065	22039	20464	2.5	102.13	-1059	-2820	SLD 7	2680	13277	12370	2.5	11.69	Si
1650	2X/2Y Ø8/10	-200	-2198	SLD 13	4057	22039	20455	2.5	102.09	-1059	-2752	SLD 7	4100	21832	20333	2.5	19.21	Si
1680	2X/2Y Ø8/10	-200	-2131	SLD 13	4049	22039	20446	2.5	102.05	-1059	-2685	SLD 7	4091	21832	20324	2.5	19.2	Si
1710	2X/2Y Ø8/10	-200	-2063	SLD 13	4040	22039	20437	2.5	102	-1059	-2617	SLD 7	4083	21832	20316	2.5	19.19	Si
1740	2X/2Y Ø8/10	-200	-1996	SLD 13	4032	22039	20429	2.5	101.96	-1059	-2550	SLD 7	4075	21832	20307	2.5	19.18	Si
1770	2X/2Y Ø8/10	-200	-1928	SLD 13	4023	22039	20420	2.5	101.92	-1059	-2482	SLD 7	4066	21832	20299	2.5	19.18	Si
1800	2X/2Y Ø8/10	-200	-1861	SLD 13	4015	22039	20411	2.5	101.87	-1059	-2415	SLD 7	4058	21832	20290	2.5	19.17	Si
1830	2X/2Y Ø8/10	-200	-1793	SLD 13	4007	22039	20403	2.5	101.83	-1059	-2347	SLD 7	4050	21832	20281	2.5	19.16	Si
1860	2X/2Y Ø8/10	-200	-1726	SLD 13	3998	22039	20394	2.5	101.79	-1059	-2280	SLD 7	4041	21832	20273	2.5	19.15	Si
1890	2X/2Y Ø8/10	-200	-1658	SLD 13	3990	22039	20385	2.5	101.74	-1059	-2212	SLD 7	4033	21832	20264	2.5	19.14	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	366969	-8842	-69106	SLE RA 13	-51.1	366969	-8842	-69106	SLE RA 13	-715.4	Si
-111	319265	-5223	-68977	SLE RA 13	-48.4	319265	-5223	-68977	SLE RA 13	-683.5	Si
-82	270728	-1540	-68846	SLE RA 13	-45.7	270728	-1540	-68846	SLE RA 13	-650.9	Si
-53	222190	2143	-68715	SLE RA 13	-43.4	222190	2143	-68715	SLE RA 13	-622.1	Si
-24	173652	5825	-68584	SLE RA 13	-41.4	173652	5825	-68584	SLE RA 13	-596.1	Si
5	125114	9508	-68453	SLE RA 13	-39.4	125114	9508	-68453	SLE RA 13	-570.1	Si
35	76576	13191	-68322	SLE RA 13	-37.3	76576	13191	-68322	SLE RA 13	-544	Si
64	28038	16873	-68192	SLE RA 13	-35.3	28038	16873	-68192	SLE RA 13	-518	Si
93	-20500	20556	-68061	SLE RA 13	-35.2	-20500	20556	-68061	SLE RA 13	-515.9	Si
122	-69038	24238	-67930	SLE RA 13	-37.8	-69038	24238	-67930	SLE RA 13	-546.6	Si
151	-117576	27921	-67799	SLE RA 13	-40.4	-117576	27921	-67799	SLE RA 13	-577.3	Si
180	-165280	31540	-67670	SLE RA 13	-42.9	-165280	31540	-67670	SLE RA 13	-607.4	Si
200	-116036	-23230	-67259	SLE RA 12	-39.6	-116036	-23230	-67259	SLE RA 12	-568.4	Si
232	-71843	-24889	-66945	SLE RA 13	-37.5	-71843	-24889	-66945	SLE RA 13	-541.8	Si
264	-15414	-35863	-66801	SLE RA 13	-35.8	-15414	-35863	-66801	SLE RA 13	-517.5	Si
296	62649	-48196	-66829	SLE RA 12	-39.2	62649	-48196	-66829	SLE RA 12	-556.2	Si
328	122522	-56562	-66685	SLE RA 12	-42.7	122522	-56562	-66685	SLE RA 12	-597.5	Si
360	181460	-64797	-66543	SLE RA 12	-46.2	181460	-64797	-66543	SLE RA 12	-638.2	Si
380	-59329	99852	-54649	SLE RA 13	-37.9	-59329	99852	-54649	SLE RA 13	-513	Si
414	-80846	89413	-54497	SLE RA 13	-37.9	-80846	89413	-54497	SLE RA 13	-515.2	Si
448	-102363	78974	-54345	SLE RA 13	-37.9	-102363	78974	-54345	SLE RA 13	-517.5	Si
481	-123880	68535	-54193	SLE RA 13	-37.9	-123880	68535	-54193	SLE RA 13	-519.8	Si
515	-145397	58096	-54041	SLE RA 13	-37.9	-145397	58096	-54041	SLE RA 13	-522	Si
535	39648	-80994	-50481	SLE RA 12	-33.3	39648	-80994	-50481	SLE RA 12	-455.1	Si
569	27363	-72881	-50329	SLE RA 12	-31.9	27363	-72881	-50329	SLE RA 12	-439.6	Si
603	15078	-64769	-50177	SLE RA 12	-30.5	15078	-64769	-50177	SLE RA 12	-424.2	Si
636	2792	-56657	-50026	SLE RA 12	-29.1	2792	-56657	-50026	SLE RA 12	-409.2	Si
670	-9493	-48544	-49874	SLE RA 12	-28.6	-9493	-48544	-49874	SLE RA 12	-404.4	Si
690	55133	59761	-43242	SLE RA 13	-28.7	55133	59761	-43242	SLE RA 13	-393.7	Si
724	35010	57611	-43090	SLE RA 13	-27.4	35010	57611	-43090	SLE RA 13	-378.9	Si
758	14888	55461	-42938	SLE RA 13	-26.2	14888	55461	-42938	SLE RA 13	-364.2	Si
791	-10407	53787	-42895	SLE RA 12	-25.8	-10407	53787	-42895	SLE RA 12	-359.8	Si
825	-31452	52068	-42743	SLE RA 12	-26.6	-31452	52068	-42743	SLE RA 12	-369.5	Si
845	173326	-101347	-38593	SLE RA 12	-35.8	173326	-101347	-38593	SLE RA 12	-466.3	Si
879	157279	-92348	-38376	SLE RA 13	-34.2	157279	-92348	-38376	SLE RA 13	-447.4	Si
913	138470	-84778	-38224	SLE RA 13	-32.5	138470	-84778	-38224	SLE RA 13	-428.7	Si
946	119661	-77207	-38072	SLE RA 13	-30.8	119661	-77207	-38072	SLE RA 13	-409.9	Si
980	100851	-69636	-37920	SLE RA 13	-29.2	100851	-69636	-37920	SLE RA 13	-391.1	Si
1000	-122581	76359	-26268	SLE RA 12	-25.3	-122581	76359	-26268	SLE RA 12	-326.6	Si
1034	-126625	76048	-26116	SLE RA 12	-25.4	-126625	76048	-26116	SLE RA 12	-327.6	Si
1068	-130670	75736	-25964	SLE RA 12	-25.5	-130670	75736	-25964	SLE RA 12	-328.6	Si
1101	-134714	75424	-25812	SLE RA 12	-25.6	-134714	75424	-25812	SLE RA 12	-329.6	Si
1135	-138758	75113	-25660	SLE RA 12	-25.7	-138758	75113	-25660	SLE RA 12	-330.6	Si
1155	90354	-95816	-20994	SLE RA 12	-23	90354	-95816	-20994	SLE RA 12	-287.3	Si
1189	56350	-79941	-20842	SLE RA 12	-19.9	56350	-79941	-20842	SLE RA 12	-252.3	Si
1223	22346	-64067	-20690	SLE RA 12	-16.8	22346	-64067	-20690	SLE RA 12	-217.4	Si
1256	-11795	-48880	-20501	SLE RA 13	-14.8	-11795	-48880	-20501	SLE RA 13	-196.4	Si
1290	-46622	-33966	-20349	SLE RA 13	-15	-46622	-33966	-20349	SLE RA 13	-202.5	Si
1310	11585	24363	-13969	SLE RA 12	-9.4	11585	24363	-13969	SLE RA 12	-128	Si
1344	-3444	37186	-13817	SLE RA 12	-10.6	-3444	37186	-13817	SLE RA 12	-139.1	Si
1378	-18473	50010	-13665	SLE RA 12	-12.7	-18473	50010	-13665	SLE RA 12	-162.3	Si
1411	-33502	62833	-13513	SLE RA 12	-14.7	-33502	62833	-13513	SLE RA 12	-182.4	Si
1445	-48531	75657	-13361	SLE RA 12	-16.6	-48531	75657	-13361	SLE RA 12	-202.5	Si
1465	187568	-104026	-8445	SLE RA 12	-37	190631	-102331	-8427	SLE RA 13	503.6	Si
1499	142208	-84269	-8275	SLE RA 13	-19.4	142208	-84269	-8275	SLE RA 13	-228.7	Si
1533	93784	-66206	-8123	SLE RA 13	-15.2	93784	-66206	-8123	SLE RA 13	-181.2	Si
1566	45361	-48144	-7971	SLE RA 13	-11	45361	-48144	-7971	SLE RA 13	-133.5	Si
1600	-8268	-30885	-7551	SLE RA 11	-6.9	-8268	-30885	-7551	SLE RA 11	-87.3	Si
1620	48420	52266	-3087	SLE RA 12	-59.3	45701	51938	-2813	SLE RA 10	728.7	Si
1650	26831	46909	-3019	SLE RA 12	-17.1	26831	46909	-3019	SLE RA 12	-181.3	Si
1680	5241	41553	-2952	SLE RA 12	-11.1	5241	41553	-2952	SLE RA 12	-121.8	Si
1710	-16348	36196	-2884	SLE RA 12	-12.2	-16348	36196	-2884	SLE RA 12	-132.1	Si
1740	-37938	30840	-2817	SLE RA 12	-15.3	-37938	30840	-2817	SLE RA 12	-161.7	Si
1770	-59527	25483	-2749	SLE RA 12	-18.4	-59527	25483	-2749	SLE RA 12	-191.3	Si
1800	-81117	20127	-2682	SLE RA 12	-35.2	-81117	20127	-2682	SLE RA 12	606	Si
1830	-102706	14770	-2614	SLE RA 12	-41.1	-102706	14770	-2614	SLE RA 12	796.2	Si
1860	-124295	9414	-2547	SLE RA 12	-46.7	-124295	9414	-2547	SLE RA 12	987.7	Si
1890	-145885	4057	-2479	SLE RA 12	-52.3	-145885	4057	-2479	SLE RA 12	1179.6	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	269724	4286	-59318	SLE QP 2	-41.4	Si
-111	234258	5488	-59189	SLE QP 2	-39.8	Si
-82	198171	6712	-59058	SLE QP 2	-38.1	Si
-53	162085	7935	-58927	SLE QP 2	-36.4	Si
-24	125999	9159	-58796	SLE QP 2	-34.8	Si
5	89912	10382	-58665	SLE QP 2	-33.1	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
35	53826	11605	-58534	SLE QP 2	-31.5	Si
64	17739	12829	-58404	SLE QP 2	-29.8	Si
93	-18347	14052	-58273	SLE QP 2	-29.9	Si
122	-54433	15276	-58142	SLE QP 2	-31.6	Si
151	-90520	16499	-58011	SLE QP 2	-33.4	Si
180	-125986	17702	-57882	SLE QP 2	-35.1	Si
200	-98369	-15098	-57501	SLE QP 2	-33.4	Si
232	-49581	-23127	-57359	SLE QP 2	-31.8	Si
264	-19	-31282	-57215	SLE QP 2	-30.1	Si
296	49544	-39438	-57071	SLE QP 2	-33.1	Si
328	99106	-47594	-56927	SLE QP 2	-36.1	Si
360	147894	-55622	-56786	SLE QP 2	-39.1	Si
380	-21781	85796	-46754	SLE QP 2	-31.1	Si
414	-43929	75322	-46602	SLE QP 2	-31.1	Si
448	-66077	64848	-46450	SLE QP 2	-31.2	Si
481	-88225	54373	-46299	SLE QP 2	-31.2	Si
515	-110374	43899	-46147	SLE QP 2	-31.2	Si
535	29949	-64121	-43233	SLE QP 2	-27.9	Si
569	20793	-59817	-43081	SLE QP 2	-27	Si
603	11636	-55512	-42929	SLE QP 2	-26.1	Si
636	2480	-51208	-42777	SLE QP 2	-25.2	Si
670	-6676	-46904	-42625	SLE QP 2	-24.9	Si
690	42547	53492	-36639	SLE QP 2	-24.3	Si
724	25637	50706	-36487	SLE QP 2	-23.2	Si
758	8728	47920	-36335	SLE QP 2	-22.1	Si
791	-8181	45134	-36183	SLE QP 2	-21.7	Si
825	-25090	42348	-36031	SLE QP 2	-22.2	Si
845	137239	-78426	-32759	SLE QP 2	-29.3	Si
879	122709	-73357	-32607	SLE QP 2	-28	Si
913	108180	-68288	-32456	SLE QP 2	-26.8	Si
946	93650	-63220	-32304	SLE QP 2	-25.6	Si
980	79120	-58151	-32152	SLE QP 2	-24.4	Si
1000	-99037	62337	-22134	SLE QP 2	-20.9	Si
1034	-101899	61734	-21982	SLE QP 2	-20.9	Si
1068	-104761	61130	-21830	SLE QP 2	-20.9	Si
1101	-107623	60527	-21678	SLE QP 2	-20.9	Si
1135	-110485	59923	-21526	SLE QP 2	-21	Si
1155	71745	-74847	-17833	SLE QP 2	-18.7	Si
1189	44953	-63813	-17682	SLE QP 2	-16.4	Si
1223	18160	-52778	-17530	SLE QP 2	-14	Si
1256	-8632	-41743	-17378	SLE QP 2	-12.5	Si
1290	-35424	-30709	-17226	SLE QP 2	-12.7	Si
1310	8039	23430	-11349	SLE QP 2	-7.9	Si
1344	-2999	32351	-11197	SLE QP 2	-8.8	Si
1378	-14038	41272	-11046	SLE QP 2	-10.3	Si
1411	-25076	50193	-10894	SLE QP 2	-11.7	Si
1445	-36114	59114	-10742	SLE QP 2	-13	Si
1465	151886	-82834	-6843	SLE QP 2	-19	Si
1499	114008	-68296	-6691	SLE QP 2	-15.7	Si
1533	76129	-53757	-6540	SLE QP 2	-12.3	Si
1566	38251	-39219	-6388	SLE QP 2	-9	Si
1600	373	-24680	-6236	SLE QP 2	-5.3	Si
1620	39577	41185	-2529	SLE QP 2	-47.5	Si
1650	22233	36959	-2462	SLE QP 2	-13.8	Si
1680	4889	32733	-2394	SLE QP 2	-8.9	Si
1710	-12455	28508	-2327	SLE QP 2	-9.6	Si
1740	-29799	24282	-2259	SLE QP 2	-12.1	Si
1770	-47143	20056	-2192	SLE QP 2	-14.6	Si
1800	-64487	15830	-2124	SLE QP 2	-17	Si
1830	-81832	11605	-2057	SLE QP 2	-32.7	Si
1860	-99176	7379	-1989	SLE QP 2	-37.3	Si
1890	-116520	3153	-1922	SLE QP 2	-41.7	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

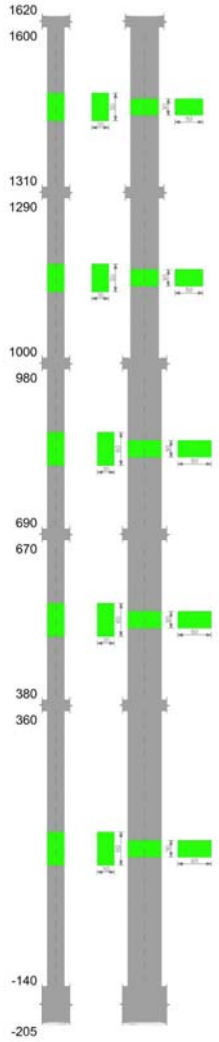
Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 525 in quanto nodo interno a piastra.
per il nodo Appoggio 190 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 835 in quanto nodo interno a piastra.
per il nodo Appoggio 1145 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 1455 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1910 in quanto elemento di estremità superiore alla pilastrata.
per il nodo Appoggio 370 in quanto nodo interno a piastra.

Pilastro 43

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60	No	No	No	No		C30/37	B450C	
380	670	R 30x60	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.10	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.10	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.10	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.10	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	-387972	387972	-143031	-818158	818158	SLU 51	2.109	Si
-111	20.11	2.2	0	1,2	-387514	387514	-142862	-818158	818158	SLU 51	2.111	Si
-81	20.11	1.1	0	2	-387047	387047	-142690	-818158	818158	SLU 51	2.114	Si
-52	20.11	1.1	0	2	-386580	386580	-142518	-818158	818158	SLU 51	2.116	Si
-22	20.11	1.1	0	2	-386114	386114	-142346	-818158	818158	SLU 51	2.119	Si
7	20.11	1.1	0	2	-385647	385647	-142174	-818158	818158	SLU 51	2.122	Si
36	20.11	1.1	0	2	-385180	385180	-142002	-818158	818158	SLU 51	2.124	Si
66	20.11	1.1	0	2	-384713	384713	-141830	-818158	818158	SLU 51	2.127	Si
95	20.11	1.1	0	2	-384247	384247	-141658	-818158	818158	SLU 51	2.129	Si
125	20.11	1.1	0	2	-383775	383775	-141484	-818158	818158	SLU 51	2.132	Si
154	20.11	1.1	0	2	-383313	383313	-141314	-818158	818158	SLU 51	2.134	Si
184	20.11	1.1	0	2	-382847	-382847	-141142	-818158	-818158	SLU 51	2.137	Si
213	20.11	1.1	0	2	-382387	-382387	-140972	-818158	-818158	SLU 51	2.14	Si
242	20.11	1.1	0	2	-381913	-381913	-140797	-818158	-818158	SLU 51	2.142	Si
272	20.11	1.1	0	2	-381446	-381446	-140625	-818158	-818158	SLU 51	2.145	Si
301	20.11	1.1	0	2	-380980	-380980	-140453	-818158	-818158	SLU 51	2.148	Si
331	20.11	1.1	0	2	-380513	-380513	-140281	-818158	-818158	SLU 51	2.15	Si
360	20.11	1.1	0	2	-380054	-380054	-140112	-818158	-818158	SLU 51	2.153	Si
380	20.11	2.2	0	2,3	216462	216462	-108231	647491	647491	SLU 51	2.991	Si
409	20.11	2.2	0	2,3	216123	216123	-108061	647491	647491	SLU 51	2.996	Si
438	20.11	1.1	0	3	215783	215783	-107892	647491	647491	SLU 51	3.001	Si
467	20.11	1.1	0	3	215444	215444	-107722	647491	647491	SLU 51	3.005	Si
496	20.11	1.1	0	3	215105	-215105	-107552	647491	-647491	SLU 51	3.01	Si
525	20.11	1.1	0	3	214765	-214765	-107383	647491	-647491	SLU 51	3.015	Si
554	20.11	1.1	0	3	214426	-214426	-107213	647491	-647491	SLU 51	3.02	Si
583	20.11	1.1	0	3	214087	-214087	-107043	647491	-647491	SLU 51	3.024	Si
612	20.11	1.1	0	3	213748	-213748	-106874	647491	-647491	SLU 51	3.029	Si
641	20.11	1.1	0	3	213408	-213408	-106704	647491	-647491	SLU 51	3.034	Si
670	20.11	1.1	0	3	213069	-213069	-106534	647491	-647491	SLU 51	3.039	Si
690	20.11	2.2	0	3,4,6,7	-162615	167820	-81308	-644300	664920	SLU 51	3.962	Si
719	20.11	2.2	0	3,4,6,7	-162276	162276	-81138	-647491	647491	SLU 51	3.99	Si
748	20.11	1.1	0	4,6,7	-161937	161937	-80968	-647491	647491	SLU 51	3.998	Si
777	20.11	1.1	0	4,6,7	-161597	161597	-80799	-647491	647491	SLU 51	4.007	Si
806	20.11	1.1	0	4,6,7	-161258	161258	-80629	-647491	647491	SLU 51	4.015	Si
835	20.11	1.1	0	4,6,7	-160919	160919	-80459	-647491	647491	SLU 51	4.024	Si
864	20.11	1.1	0	4,6,7	-160579	160579	-80290	-647491	647491	SLU 51	4.032	Si
893	20.11	1.1	0	4,6,7	-160240	-160240	-80120	-647491	-647491	SLU 51	4.041	Si
922	20.11	1.1	0	4,6,7	-159901	-159901	-79950	-647491	-647491	SLU 51	4.049	Si
951	20.37	1.6	0	4,5,6,7	-159562	-159562	-79781	-649217	-649217	SLU 51	4.069	Si
980	27.42	2	0	4,5,6,7	-159222	-159222	-79611	-695580	-695580	SLU 51	4.369	Si
1000	20.11	2.4	0	5,6,7,8	94700	94700	-47350	556148	556148	SLU 51	5.873	Si
1029	17.8	2.4	0	5,6,7,8	94417	94417	-47209	541580	541580	SLU 51	5.736	Si
1058	16.08	1.1	0	8	94134	94134	-47067	530708	530708	SLU 51	5.638	Si
1087	16.08	1.1	0	8	93852	93852	-46926	530708	530708	SLU 51	5.655	Si
1116	16.08	1.1	0	8	97924	-93569	-46784	553927	-529291	SLU 51	5.657	Si
1145	16.08	1.1	0	8	104383	-93286	-46643	589632	-526947	SLU 51	5.649	Si
1174	16.08	1.1	0	8	110842	-93003	-46502	625092	-524490	SLU 51	5.639	Si
1203	16.08	1.1	0	8	117302	-92721	-46360	660376	-521992	SLU 51	5.63	Si
1232	16.08	1.1	0	8	123761	-104833	-46219	681640	-577390	SLU 51	5.508	Si
1261	16.08	1.1	0	8	130220	-129001	-46078	687976	-681537	SLU 51	5.283	Si
1290	16.08	1.1	0	8	136679	-153170	-45936	691190	-774584	SLU 51	5.057	Si
1310	16.08	2.1	0	8,9,10	-166674	314922	-19662	-658107	1243460	SLU 51	3.948	Si
1339	16.08	2.1	0	8,9,10	-138498	238450	-19521	-735494	1266294	SLU 51	5.311	Si
1368	16.08	1.1	0	9,10	-110321	161979	-19379	-806643	1184350	SLU 51	7.312	Si
1397	16.08	1.1	0	9,10	-82145	85507	-19238	-866650	902121	SLU 51	10.55	Si
1426	16.08	1.1	0	9,10	-53968	38193	-19097	-729897	516547	SLU 51	13.525	Si
1455	16.08	1.1	0	9,10	-37911	-67437	-18955	-469366	-834926	SLU 51	12.381	Si
1484	16.08	1.1	0	9,10	37628	-143909	-18814	335084	-1281539	SLU 51	8.905	Si
1513	16.08	1.1	0	9,10	37345	-220380	-18673	246450	-1454349	SLU 51	6.599	Si
1542	16.08	1.1	0	9,10	58737	-296852	-18531	282678	-1428623	SLU 51	4.813	Si
1571	16.08	1.1	0	9,10	86914	-373324	-18390	299305	-1285613	SLU 51	3.444	Si
1600	22.11	2.1	0	9,10	115090	-449796	-18248	377356	-1474782	SLU 51	3.279	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	-1523009	380125	-95437	-2.02	1.92	-2115526	528010	SLV 1	1.389				Si
-111	20.11	2.2	0	1,2	-1418968	348082	-95307	-2.02	1.92	-2117726	519492	SLV 1	1.492				Si
-81	20.11	1.1	0	2	-1313239	315497	-95175	-2.02	1.92	-2112859	507600	SLV 1	1.609				Si
-52	20.11	1.1	0	2	-1207656	282927	-95042	-2.02	1.92	-2097645	491432	SLV 1	1.737				Si
-22	20.11	1.1	0	2	-1102275	250381	-94910	-2.02	1.92	-2068671	469897	SLV 1	1.877				Si
7	20.11	1.1	0	2	-997143	217866	-94778	-2.02	1.92	-2021250	441623	SLV 1	2.027				Si
36	20.11	1.1	0	2	-892353	185396	-94645	-2.02	1.92	-1953428	405846	SLV 1	2.189				Si
66	20.11	1.1	0	2	-788097	153008	-94513	-2.02	1.92	-1860133	361141	SLV 1	2.36				Si
95	20.11	1.1	0	2	-684580	120751	-94381	-2.02	1.92	-1739472	306820	SLV 1	2.541				Si
125	20.11	1.1	0	2	-581175	88423	-94247	-2.02	1.92	-1588756	241722	SLV 1	2.734				Si
154	20.11	1.1	0	2	-482025	57449	-94116	-2.02	1.92	-1417771	168973	SLV 1	2.941				Si
184	20.11	1.1	0	2	-385803	28862	-93983	-2.02	1.92	-1222936	91487	SLV 1	3.17				Si
213	20.11	1.1	0	2	-298666	8901	-93853	-2.02	1.92	-1012719	30183	SLV 1	3.391				Si
242	20.11	1.1	0	2	-147626	-42818	-96813	-2.02	1.92	-502091	-145629	SLV 5	3.401				Si
272	20.11	1.1	0	2	-142095	-89748	-96681	-2.02	1.92	-477774	-301764	SLV 5	3.362				Si
301	20.11	1.1	0	2	-71125	-124959	-96548	-2.02	1.92	-238744	-419446	SLV 5	3.357				Si
331	20.11	1.1	0	2	172104	-144457	-93322	-2.02	1.92	553518	-464602	SLV 1	3.216				Si
360	20.11	1.1	0	2	244278	-176178	-93192	-2.02	1.92	735942	-530774	SLV 1	3.013				Si
380	20.11	2.2	0	2,3	-242708	249233	-72216	-2.02	1.92	-802132	823698	SLV 1	3.305				Si
409	20.11	2.2	0	2,3	-212241	198841	-72086	-2.02	1.92	-756752	708975	SLV 1	3.566				Si
438	20.11	1.1	0	3	-188238	148967	-71955	-2.02	1.92	-723066	572214	SLV 1	3.841				Si
467	20.11	1.1	0	3	-172444	100234	-71825	-2.02	1.92	-712207	413976	SLV 1	4.13				Si
496	20.11	1.1	0	3	-166173	54710	-71694	-2.02	1.92	-732127	241042	SLV 1	4.406				Si
525	20.11	1.1	0	3	293672	5517	-71564	-2.02	1.92	1242308	23339	SLV 1	4.23				Si
554	20.11	1.1	0	3	323263	-79788	-71433	-2.02	1.92	1241828	-306510	SLV 1	3.842				Si
583	20.11	1.1	0	3	349496	-123010	-71303	-2.02	1.92	1262245	-444265	SLV 1	3.612				Si
612	20.11	1.1	0	3	381420	-171081	-71172	-2.02	1.92	1284460	-576129	SLV 1	3.368				Si
641	20.11	1.1	0	3	417594	-220696	-71042	-2.02	1.92	1303773	-689037	SLV 1	3.122				Si
670	20.11	1.1	0	3	456913	-270962	-70911	-2.02	1.92	1316361	-780639	SLV 1	2.881				Si
690	20.11	2.2	0	3,4,6,7	-296294	241862	-53806	-2.02	1.92	-1105195	902161	SLV 1	3.73				Si
719	20.11	2.2	0	3,4,6,7	-276422	194921	-53675	-2.02	1.92	-1127784	795265	SLV 1	4.08				Si
748	20.11	1.1	0	4,6,7	28212	157966	-55494	-2.02	1.92	141942	794783	SLV 5	5.031				Si
777	20.11	1.1	0	4,6,7	184876	70296	-53414	-2.02	1.92	983059	373792	SLV 1	5.317				Si
806	20.11	1.1	0	4,6,7	-266415	76200	-47710	-2.02	1.92	-1409250	403074	SLV 13	5.29				Si
835	20.11	1.1	0	4,6,7	-312037	65533	-44237	-2.02	1.92	-1682716	353397	SLV 15	5.393				Si
864	20.11	1.1	0	4,6,7	224993	-69429	-53023	-2.02	1.92	1162371	-358688	SLV 1	5.166				Si
893	20.11	1.1	0	4,6,7	257254	-114384	-52892	-2.02	1.92	1212968	-539326	SLV 1	4.715				Si
922	20.11	1.1	0	4,6,7	295151	-161122	-52762	-2.02	1.92	1260939	-688342	SLV 1	4.272				Si
951	20.37	1.6	0	4,5,6,7	337003	-208650	-52631	-2.02	1.92	1298404	-803884	SLV 1	3.853				Si
980	27.42	2	0	4,5,6,7	381653	-256590	-52501	-2.02	1.92	1418707	-953812	SLV 1	3.717				Si
1000	20.11	2.4	0	5,6,7,8	-148142	179990	-31272	-2.02	1.92	-730239	887228	SLV 1	4.929				Si
1029	17.8	2.4	0	5,6,7,8	-120731	138438	-31163	-2.02	1.92	-680633	780457	SLV 1	5.638				Si
1058	16.08	1.1	0	8	136714	90684	-32354	-2.02	1.92	821874	545159	SLV 5	6.012				Si
1087	16.08	1.1	0	8	207398	-10656	-30946	-2.02	1.92	1363217	-70044	SLV 1	6.573				Si
1116	16.08	1.1	0	8	213495	-23339	-30837	-2.02	1.92	1356896	-148336	SLV 1	6.356				Si
1145	16.08	1.1	0	8	231481	-55990	-30728	-2.02	1.92	1328033	-321219	SLV 1	5.737				Si
1174	16.08	1.1	0	8	259051	-90413	-30620	-2.02	1.92	1302867	-454721	SLV 1	5.029				Si
1203	16.08	1.1	0	8	293364	-129999	-30511	-2.02	1.92	1256497	-556795	SLV 1	4.283				Si
1232	16.08	1.1	0	8	332146	-171158	-30402	-2.02	1.92	1201423	-619102	SLV 1	3.617				Si
1261	16.08	1.1	0	8	373869	-212966	-30293	-2.02	1.92	1145943	-652760	SLV 1	3.065				Si
1290	16.08	1.1	0	8	417563	-255101	-30185	-2.02	1.92	1097082	-670238	SLV 1	2.627				Si
1310	16.08	2.1	0	8,9,10	-9483	337111	-13302	-2.02	1.92	-30498	1084178	SLV 9	3.216				Si
1339	16.08	2.1	0	8,9,10	-115173	223842	-12473	-2.02	1.92	-501667	975008	SLV 13	4.356				Si
1368	16.08	1.1	0	9,10	-128699	151877	-12364	-2.02	1.92	-735612	868092	SLV 13	5.716				Si
1397	16.08	1.1	0	9,10	-113101	82480	-12255	-2.02	1.92	-1012112	738089	SLV 13	8.949				Si
1426	16.08	1.1	0	9,10	-123729	28021	-10992	-2.02	1.92	-1526331	345667	SLV 15	12.336				Si
1455	16.08	1.1	0	9,10	98888	-74336	-10248	-2.02	1.92	996286	-748929	SLV 1	10.075				Si
1484	16.08	1.1	0	9,10	124827	-145833	-10140	-2.02	1.92	730257	-853143	SLV 1	5.85				Si
1513	16.08	1.1	0	9,10	155942	-218262	-10031	-2.02	1.92	596545	-834949	SLV 1	3.825				Si
1542	16.08	1.1	0	9,10	196266	-290994	-9922	-2.02	1.92	507099	-751851	SLV 1	2.584				Si
1571	16.08	1.1	0	9,10	237276	-363861	-9813	-2.02	1.92	459397	-704480	SLV 1	1.936				Si
1600	22.11	2.1	0	9,10	278740	-436798	-9705	-2.02	1.92	552887	-866400	SLV 1	1.984				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	-642913	175728	-90845	-1632226	446138	SLD 1	2.539	Si
-111	20.11	2.2	0	1,2	-600299	160457	-90714	-1576393	421363	SLD 1	2.626	Si
-81	20.11	1.1	0	2	-556999	144928	-90582	-1513679	393851	SLD 1	2.718	Si
-52	20.11	1.1	0	2	-513767	129406	-90450	-1444899	363937	SLD 1	2.812	Si
-22	20.11	1.1	0	2	-470628	113894	-90317	-1370345	331631	SLD 1	2.912	Si
7	20.11	1.1	0	2	-427604	98397	-90185	-1290494	296959	SLD 1	3.018	Si
36	20.11	1.1	0	2	-384739	82921	-90053	-1204897	259684	SLD 1	3.132	Si
66	20.11	1.1	0	2	-342123	67481	-89920	-1113160	219562	SLD 1	3.254	Si
95	20.11	1.1	0	2	-299853	52102	-89788	-1014786	176328	SLD 1	3.384	Si
125	20.11	1.1	0	2	-257700	36685	-89654	-908435	129322	SLD 1	3.525	Si
154	20.11	1.1	0	2	-136659	22129	-90733	-495936	80307	SLD 5	3.629	Si
184	20.11	1.1	0	2	-114422	6968	-90601	-415845	25325	SLD 5	3.634	Si
213	20.11	1.1	0	2	-96303	-6520	-90470	-350498	-23730	SLD 5	3.64	Si
242	20.11	1.1	0	2	-86027	-26198	-90336	-313566	-95492	SLD 5	3.645	Si
272	20.11	1.1	0	2	-83451	-47484	-90204	-304623	-173329	SLD 5	3.65	Si
301	20.11	1.1	0	2	-52065	-64019	-90071	-190332	-234032	SLD 5	3.656	Si
331	20.11	1.1	0	2	-52544	-80713	-89939	-192366	-295493	SLD 5	3.661	Si
360	20.11	1.1	0	2	-52114	-97181	-89809	-191070	-356299	SLD 5	3.666	Si
380	20.11	2.2	0	2,3	-70332	140049	-68548	-303893	605134	SLD 1	4.321	Si
409	20.11	2.2	0	2,3	-56217	109861	-68418	-256631	501516	SLD 1	4.565	Si
438	20.11	1.1	0	3	-8601	79498	-69256	-40890	377965	SLD 5	4.754	Si
467	20.11	1.1	0	3	-1686	49785	-69126	-8029	237142	SLD 5	4.763	Si
496	20.11	1.1	0	3	3816	21029	-68995	18213	100360	SLD 5	4.772	Si
525	20.11	1.1	0	3	110460	-5663	-68865	528153	-27079	SLD 5	4.781	Si
554	20.11	1.1	0	3	172788	-52636	-67765	794564	-242045	SLD 1	4.599	Si
583	20.11	1.1	0	3	184298	-79787	-67635	811588	-351358	SLD 1	4.404	Si
612	20.11	1.1	0	3	198139	-108970	-67504	832709	-457962	SLD 1	4.203	Si
641	20.11	1.1	0	3	213758	-138819	-67374	857025	-556570	SLD 1	4.009	Si
670	20.11	1.1	0	3	230715	-168951	-67243	882849	-646504	SLD 1	3.827	Si
690	20.11	2.2	0	3,4,6,7	-149316	156922	-51106	-732220	769516	SLD 1	4.904	Si
719	20.11	2.2	0	3,4,6,7	-141596	128369	-50976	-733450	664934	SLD 1	5.18	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
748	20.11	1.1	0	4,6,7	-20244	103861	-51614	-119446	612820	SLD 5	5.9	Si
777	20.11	1.1	0	4,6,7	-135537	54987	-48516	-832656	337805	SLD 13	6.143	Si
806	20.11	1.1	0	4,6,7	-137934	51523	-48386	-852441	318418	SLD 13	6.18	Si
835	20.11	1.1	0	4,6,7	-156356	37021	-46937	-995448	235693	SLD 15	6.367	Si
864	20.11	1.1	0	4,6,7	-166351	28957	-46806	-1064497	185300	SLD 15	6.399	Si
893	20.11	1.1	0	4,6,7	-179579	23106	-46676	-1145799	147427	SLD 15	6.38	Si
922	20.11	1.1	0	4,6,7	81318	-82843	-50062	487336	-496471	SLD 1	5.993	Si
951	20.37	1.6	0	4,5,6,7	97656	-111623	-49932	548934	-627442	SLD 1	5.621	Si
980	27.42	2	0	4,5,6,7	115127	-140578	-49801	648751	-792167	SLD 1	5.635	Si
1000	20.11	2.4	0	5,6,7,8	83666	93152	-29596	595811	663361	SLD 9	7.121	Si
1029	17.8	2.4	0	5,6,7,8	82007	70488	-29487	610994	525168	SLD 9	7.45	Si
1058	16.08	1.1	0	8	81913	52861	-29815	625751	403818	SLD 5	7.639	Si
1087	16.08	1.1	0	8	84052	25302	-29706	693611	208795	SLD 5	8.252	Si
1116	16.08	1.1	0	8	117622	-11692	-29081	952826	-94715	SLD 1	8.101	Si
1145	16.08	1.1	0	8	127580	-34643	-28972	959871	-260644	SLD 1	7.524	Si
1174	16.08	1.1	0	8	141267	-57252	-28863	980936	-397550	SLD 1	6.944	Si
1203	16.08	1.1	0	8	157618	-82088	-28755	996586	-519027	SLD 1	6.323	Si
1232	16.08	1.1	0	8	175760	-107634	-28646	1002864	-614147	SLD 1	5.706	Si
1261	16.08	1.1	0	8	195092	-133474	-28537	998503	-683136	SLD 1	5.118	Si
1290	16.08	1.1	0	8	215226	-159461	-28428	985839	-730407	SLD 1	4.58	Si
1310	16.08	2.1	0	8,9,10	-60109	246343	-12002	-266997	1094219	SLD 9	4.442	Si
1339	16.08	2.1	0	8,9,10	-96137	174717	-11607	-533538	969640	SLD 13	5.55	Si
1368	16.08	1.1	0	9,10	-91787	119738	-11498	-696137	908125	SLD 13	7.584	Si
1397	16.08	1.1	0	9,10	-74458	65756	-11389	-883295	780059	SLD 13	11.863	Si
1426	16.08	1.1	0	9,10	-68489	17288	-10812	-1210736	305608	SLD 15	17.678	Si
1455	16.08	1.1	0	9,10	30710	-49629	-10429	516110	-834057	SLD 1	16.806	Si
1484	16.08	1.1	0	9,10	50872	-104342	-10320	494087	-1013413	SLD 1	9.712	Si
1513	16.08	1.1	0	9,10	73449	-159487	-10211	463969	-1007464	SLD 1	6.317	Si
1542	16.08	1.1	0	9,10	99749	-214770	-10102	445792	-959840	SLD 1	4.469	Si
1571	16.08	1.1	0	9,10	126351	-270114	-9994	400207	-855565	SLD 1	3.167	Si
1600	22.11	2.1	0	9,10	153154	-325489	-9885	477501	-1014808	SLD 1	3.118	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-319	-134511	SLU 46	15366	51792	52691	2.35	162.31	-602	-105970	SLU 33	15029	48385	55356	2.5	80.36	Si
-111	5X/2Y Ø8/10	-319	-134342	SLU 46	15366	51792	52691	2.35	162.31	-602	-105800	SLU 33	15029	48385	55356	2.5	80.36	Si
-81	5X/2Y Ø8/10	-319	-134170	SLU 46	15366	51792	52691	2.35	162.31	-602	-105628	SLU 33	15029	48385	55356	2.5	80.36	Si
-52	5X/2Y Ø8/10	-319	-133998	SLU 46	15366	51792	52691	2.35	162.31	-602	-105456	SLU 33	15029	48385	55356	2.5	80.36	Si
-22	5X/2Y Ø8/15	-319	-133825	SLU 46	15366	36732	50429	2.5	115.11	-602	-105284	SLU 33	15029	32257	55356	2.5	53.57	Si
7	5X/2Y Ø8/15	-319	-133653	SLU 46	15366	36732	50429	2.5	115.11	-602	-105112	SLU 33	15029	32257	55356	2.5	53.57	Si
36	5X/2Y Ø8/15	-319	-133481	SLU 46	15366	36732	50429	2.5	115.11	-602	-104940	SLU 33	15029	32257	55356	2.5	53.57	Si
66	5X/2Y Ø8/15	-319	-133309	SLU 46	15366	36732	50429	2.5	115.11	-602	-104768	SLU 33	15029	32257	55356	2.5	53.57	Si
95	5X/2Y Ø8/15	-319	-133137	SLU 46	15366	36732	50429	2.5	115.11	-602	-104596	SLU 33	15029	32257	55356	2.5	53.57	Si
125	5X/2Y Ø8/15	-319	-132963	SLU 46	15366	36732	50429	2.5	115.11	-602	-104422	SLU 33	15029	32257	55356	2.5	53.57	Si
154	5X/2Y Ø8/15	-319	-132793	SLU 46	15366	36732	50429	2.5	115.11	-602	-104252	SLU 33	15029	32257	55356	2.5	53.57	Si
184	5X/2Y Ø8/15	-319	-132621	SLU 46	15366	36732	50429	2.5	115.11	-602	-104080	SLU 33	15029	32257	55356	2.5	53.57	Si
213	5X/2Y Ø8/15	-319	-132452	SLU 46	15366	36732	50429	2.5	115.11	-602	-103910	SLU 33	15029	32257	55356	2.5	53.57	Si
242	5X/2Y Ø8/10	-319	-132277	SLU 46	15366	51792	52691	2.35	162.31	-602	-103736	SLU 33	15029	48385	55356	2.5	80.36	Si
272	5X/2Y Ø8/10	-319	-132105	SLU 46	15366	51792	52691	2.35	162.31	-602	-103564	SLU 33	15029	48385	55356	2.5	80.36	Si
301	5X/2Y Ø8/10	-319	-131933	SLU 46	15366	51792	52691	2.35	162.31	-602	-103392	SLU 33	15029	48385	55356	2.5	80.36	Si
331	5X/2Y Ø8/10	-319	-131761	SLU 46	15366	51792	52691	2.35	162.31	-602	-103220	SLU 33	15029	48385	55356	2.5	80.36	Si
360	5X/2Y Ø8/10	-319	-131592	SLU 46	15366	51792	52691	2.35	162.31	-602	-103050	SLU 33	15029	48385	55356	2.5	80.36	Si
380	5X/2Y Ø8/10	-945	-108231	SLU 51	15366	51792	52691	2.35	54.8	603	-101553	SLU 46	15029	48385	55356	2.5	80.26	Si
409	5X/2Y Ø8/10	-945	-108061	SLU 51	15366	51792	52691	2.35	54.8	603	-101383	SLU 46	15029	48385	55356	2.5	80.26	Si
438	5X/2Y Ø8/10	-945	-107892	SLU 51	15366	51792	52691	2.35	54.8	603	-101213	SLU 46	15029	48385	55356	2.5	80.26	Si
467	5X/2Y Ø8/14.4	-945	-107722	SLU 51	15366	38145	50429	2.5	40.36	603	-101044	SLU 46	15029	33497	55356	2.5	55.57	Si
496	5X/2Y Ø8/14.4	-945	-107552	SLU 51	15366	38145	50429	2.5	40.36	603	-100874	SLU 46	15029	33497	55356	2.5	55.57	Si
525	5X/2Y Ø8/14.4	-945	-107383	SLU 51	15366	38145	50429	2.5	40.36	603	-100704	SLU 46	15029	33497	55356	2.5	55.57	Si
554	5X/2Y Ø8/14.4	-945	-107213	SLU 51	15366	38145	50429	2.5	40.36	603	-100535	SLU 46	15029	33497	55356	2.5	55.57	Si
583	5X/2Y Ø8/14.4	-945	-107043	SLU 51	15366	38145	50429	2.5	40.36	603	-100365	SLU 46	15029	33497	55356	2.5	55.57	Si
612	5X/2Y Ø8/10	-945	-106874	SLU 51	15366	51792	52691	2.35	54.8	603	-100195	SLU 46	15029	48385	55356	2.5	80.26	Si
641	5X/2Y Ø8/10	-945	-106704	SLU 51	15366	51792	52691	2.35	54.8	603	-100026	SLU 46	15029	48385	55356	2.5	80.26	Si
670	5X/2Y Ø8/10	-945	-106534	SLU 51	15366	51792	52691	2.35	54.8	603	-99856	SLU 46	15029	48385	55356	2.5	80.26	Si
690	5X/2Y Ø8/10	-938	-81308	SLU 51	15366	51792	52691	2.35	55.22	-150	-65750	SLU 39	15029	48385	53581	2.5	321.76	Si
719	5X/2Y Ø8/10	-938	-81138	SLU 51	15366	51792	52691	2.35	55.22	-150	-65580	SLU 39	15029	48385	53557	2.5	321.76	Si
748	5X/2Y Ø8/10	-938	-80968	SLU 51	15366	51792	52691	2.35	55.22	-150	-65410	SLU 39	15029	48385	53533	2.5	321.76	Si
777	5X/2Y Ø8/14.4	-938	-80799	SLU 51	15366	38145	50429	2.5	40.67	-150	-65241	SLU 39	15029	33497	53509	2.5	222.76	Si
806	5X/2Y Ø8/14.4	-938	-80629	SLU 51	15366	38145	50429	2.5	40.67	-150	-65071	SLU 39	15029	33497	53485	2.5	222.76	Si
835	5X/2Y Ø8/14.4	-938	-80459	SLU 51	15366	38145	50429	2.5	40.67	-150	-64902	SLU 39	15029	33497	53461	2.5	222.76	Si
864	5X/2Y Ø8/14.4	-938	-80290	SLU 51	15366	38145	50429	2.5	40.67	-150	-64732	SLU 39	15029	33497	53437	2.5	222.76	Si
893	5X/2Y Ø8/14.4	-938	-80120	SLU 51	15366	38145	50429	2.5	40.67	-150	-64562	SLU 39	15029	33497	53413	2.5	222.76	Si
922	5X/2Y Ø8/10	-938	-79950	SLU 51	15366	51792	52691	2.35	55.22	-150	-64393	SLU 39	15029	48385	53389	2.5	321.76	Si
951	5X/2Y Ø8/10	-938	-79781	SLU 51	15366	51792	52691	2.35	55.22	-150	-64223	SLU 39	15029	48385	53365	2.5	321.76	Si
980	5X/2Y Ø8/10	-938	-79611	SLU 51	15366	51792	52691	2.35	55.22	-150	-64053	SLU 39	15029	48385	53341	2.5	321.76	Si
1000	4X/2Y Ø8/10	-833	-47350	SLU 51	12200	41434	41499	2.35	49.72	268	-36221	SLU 41	10458	39534	41205	2.5	147.65	Si
1029	4X/2Y Ø8/10	-833	-47209	SLU 51	12183	41434	41480	2.35	49.72	268	-36080	SLU 41	10439	39534	41185	2.5	147.65	Si
1058	4X/2Y Ø8/10	-833	-47067	SLU 51	12165	41434	41461	2.35	49.72	268	-35939	SLU 41	10420	39534	41166	2.5	147.65	Si
1087	4X/2Y Ø8/14.4	-833	-46926	SLU 51	12148	30516	39663	2.5	36.62	268	-35797	SLU 41	10401	27370	41146	2.5	102.22	Si
1116	4X/2Y Ø8/14.4	-833	-46784	SLU 51	12130	30516	39645	2.5	36.62	268	-35656	SLU 41	10382	27370	41127	2.5	102.22	Si
1145	4X/2Y Ø8/14.4	-833	-46643	SLU 51	12112	30516	39627	2.5	36.62	268	-35514	SLU 41	10363	27370	41107	2.5	102.22	Si
1174	4X/2Y Ø8/14.4	-833	-46502	SLU 51	12095	30516	39609	2.5	36.62	268	-35373	SLU 41	10345	27370	41087	2.5	102.22	Si
1203	4X/2Y Ø8/14.4	-833	-46360	SLU 51	12077	30516	39590	2.5	36.62	268	-35232	SLU 41	10326	27370	41068	2.5	102.22	Si
1232	4X/2Y Ø8/10	-833	-46219	SLU 51	12060	40552	41963	2.3	48.66	268	-35090	SLU 41	10307	39534	41048	2.5	147.65	Si
1261	4X/2Y Ø8/10	-833	-46078	SLU 51	12042	40552	41944	2.3	48.66	268	-34949	SLU 41	10288	39534	41029	2.5	147.65	Si
1290	4X/2Y Ø8/10	-833	-45936	SLU 51	12024	40552	41924	2.3	48.66	268	-34808	SLU 41	10269	39534	41009	2.5	147.65	Si
1310	4X/2Y Ø8/10	-2637	-19662	SLU 51	8753	38789	39495	2.2	14.71	998	-19503	SLU 50	8218	38743	39457	2.45	38.83	Si
1339	4X/2Y Ø8/10	-2637	-19521	SLU 51	8736	38789	39475	2.2	14.71	998	-19362	SLU 50	8199	38743	39437	2.45	38.83	Si
1368	4X/2Y Ø8/10	-2637	-19379	SLU 51	8718	38789	39455	2.2	14.71	998	-19220	SLU 50	8180	38743	39417	2.45	38.83	Si
1397	4X/2Y Ø8/14.4	-2637	-19238	SLU 51	8701	30516	36097	2.5	11.57	998	-19079	SLU 50	8161	27370	38829	2.5	27.43	Si
1426	4X/2Y Ø8/14.4	-2637	-19097	SLU 51	8683	30516	36079	2.5	11.57	998	-18938	SLU 50	8142	27370	38809	2.5	27.43	Si
1455	4X/2Y Ø8/14.4	-2637	-18955	SLU 51	8665	30516	36061	2.5	11.57	998	-18796	SLU 50	8123	27370	38790	2.5	27.43	Si
1484	4X/2Y Ø8/14.4	-2637	-18814	SLU 51	8648	30516	36043	2.5	11.57	998	-18655	SLU 50	8104	27370	38770	2.5	27.43	Si
1513	4X/2Y Ø8/14.4	-2637	-18673	SLU 51	8630	30516	36024	2.5	11.57	998	-18513	SLU 50	8085	27370	38750	2.5	27.43	Si
1542	4X/2Y Ø8/10	-2637	-18531	SLU 51	8613	38789	39336	2.2	14.71	998	-18372	SLU 50	8066	38743	39298	2.45	38.83	Si
1571	4X/2Y Ø8/10	-2637	-18390	SLU 51	8595	38789	39316	2.2	14.71	998	-18231	SLU 50	8048	38743	39278	2.45	38.83	Si
1600	4X/2Y Ø8/10	-2637	-18248	SLU 51	8577	38789	39296	2.2	14.71	998	-18089	SLU 50	8029	38743	39258	2.45	38.83	Si

Verifica a taglio in famiglia SLV

	Direzione X	Direzione Y	Verifica

Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-1219	-98531	SLV 5	15366	51792	52691	2.35	42.48	3622	-89917	SLV 3	15029	48385	55356	2.5	13.36	Si
-111	5X/2Y Ø8/10	-1219	-98401	SLV 5	15366	51792	52691	2.35	42.48	3622	-89787	SLV 3	15029	48385	55356	2.5	13.36	Si
-81	5X/2Y Ø8/10	-1219	-98269	SLV 5	15366	51792	52691	2.35	42.48	3622	-89655	SLV 3	15029	48385	55356	2.5	13.36	Si
-52	5X/2Y Ø8/10	-1219	-98137	SLV 5	15366	51792	52691	2.35	42.48	3622	-89523	SLV 3	15029	48385	55356	2.5	13.36	Si
-22	5X/2Y Ø8/15	-1219	-98004	SLV 5	15366	36732	50429	2.5	30.12	3622	-89390	SLV 3	15029	32257	55356	2.5	8.91	Si
7	5X/2Y Ø8/15	-1219	-97872	SLV 5	15366	36732	50429	2.5	30.12	3622	-89258	SLV 3	15029	32257	55356	2.5	8.91	Si
36	5X/2Y Ø8/15	-1219	-97740	SLV 5	15366	36732	50429	2.5	30.12	3622	-89126	SLV 3	15029	32257	55356	2.5	8.91	Si
66	5X/2Y Ø8/15	-1219	-97607	SLV 5	15366	36732	50429	2.5	30.12	3622	-88993	SLV 3	15029	32257	55356	2.5	8.91	Si
95	5X/2Y Ø8/15	-1219	-97475	SLV 5	15366	36732	50429	2.5	30.12	3622	-88861	SLV 3	15029	32257	55356	2.5	8.91	Si
125	5X/2Y Ø8/15	-1219	-97341	SLV 5	15366	36732	50429	2.5	30.12	3622	-88727	SLV 3	15029	32257	55356	2.5	8.91	Si
154	5X/2Y Ø8/15	-1219	-97210	SLV 5	15366	36732	50429	2.5	30.12	3622	-88596	SLV 3	15029	32257	55356	2.5	8.91	Si
184	5X/2Y Ø8/15	-1219	-97078	SLV 5	15366	36732	50429	2.5	30.12	3622	-88464	SLV 3	15029	32257	55356	2.5	8.91	Si
213	5X/2Y Ø8/15	-1219	-96947	SLV 5	15366	36732	50429	2.5	30.12	3622	-88333	SLV 3	15029	32257	55356	2.5	8.91	Si
242	5X/2Y Ø8/10	-1219	-96813	SLV 5	15366	51792	52691	2.35	42.48	3622	-88199	SLV 3	15029	48385	55356	2.5	13.36	Si
272	5X/2Y Ø8/10	-1219	-96681	SLV 5	15366	51792	52691	2.35	42.48	3622	-88067	SLV 3	15029	48385	55356	2.5	13.36	Si
301	5X/2Y Ø8/10	-1219	-96548	SLV 5	15366	51792	52691	2.35	42.48	3622	-87934	SLV 3	15029	48385	55356	2.5	13.36	Si
331	5X/2Y Ø8/10	-1219	-96416	SLV 5	15366	51792	52691	2.35	42.48	3622	-87802	SLV 3	15029	48385	55356	2.5	13.36	Si
360	5X/2Y Ø8/10	-1219	-96286	SLV 5	15366	51792	52691	2.35	42.48	3622	-87672	SLV 3	15029	48385	55356	2.5	13.36	Si
380	5X/2Y Ø8/10	-1768	-72216	SLV 1	15366	51792	51871	2.35	29.3	1757	-72216	SLV 1	15029	48385	54495	2.5	27.54	Si
409	5X/2Y Ø8/10	-1768	-72086	SLV 1	15366	51792	51853	2.35	29.3	1757	-72086	SLV 1	15029	48385	54476	2.5	27.54	Si
438	5X/2Y Ø8/10	-1768	-71955	SLV 1	15366	51792	51836	2.35	29.3	1757	-71955	SLV 1	15029	48385	54458	2.5	27.54	Si
467	5X/2Y Ø8/14.4	-1768	-71825	SLV 1	15366	38145	49594	2.5	21.58	1757	-71825	SLV 1	15029	33497	54440	2.5	19.07	Si
496	5X/2Y Ø8/14.4	-1768	-71694	SLV 1	15366	38145	49577	2.5	21.58	1757	-71694	SLV 1	15029	33497	54421	2.5	19.07	Si
525	5X/2Y Ø8/14.4	-1768	-71564	SLV 1	15366	38145	49560	2.5	21.58	1757	-71564	SLV 1	15029	33497	54403	2.5	19.07	Si
554	5X/2Y Ø8/14.4	-1768	-71433	SLV 1	15366	38145	49544	2.5	21.58	1757	-71433	SLV 1	15029	33497	54384	2.5	19.07	Si
583	5X/2Y Ø8/14.4	-1768	-71303	SLV 1	15366	38145	49527	2.5	21.58	1757	-71303	SLV 1	15029	33497	54366	2.5	19.07	Si
612	5X/2Y Ø8/10	-1768	-71172	SLV 1	15366	50690	52501	2.3	28.68	1757	-71172	SLV 1	15029	48385	54347	2.5	27.54	Si
641	5X/2Y Ø8/10	-1768	-71042	SLV 1	15366	50690	52483	2.3	28.68	1757	-71042	SLV 1	15029	48385	54329	2.5	27.54	Si
670	5X/2Y Ø8/10	-1768	-70911	SLV 1	15366	50690	52465	2.3	28.68	1757	-70911	SLV 1	15029	48385	54310	2.5	27.54	Si
690	5X/2Y Ø8/10	-1768	-55755	SLV 5	14508	49588	51150	2.25	28.04	-1906	-48232	SLV 13	13059	48385	51104	2.5	25.39	Si
719	5X/2Y Ø8/10	-1768	-55625	SLV 5	14492	49588	51132	2.25	28.04	-1906	-48102	SLV 13	13041	48385	51086	2.5	25.39	Si
748	5X/2Y Ø8/10	-1768	-55494	SLV 5	14475	49588	51114	2.25	28.04	-1906	-47971	SLV 13	13023	48385	51067	2.5	25.39	Si
777	5X/2Y Ø8/14.4	-1768	-55364	SLV 5	14459	38145	47474	2.5	21.57	-1906	-47841	SLV 13	13005	33497	51049	2.5	17.58	Si
806	5X/2Y Ø8/14.4	-1768	-55233	SLV 5	14443	38145	47457	2.5	21.57	-1906	-47710	SLV 13	12987	33497	51030	2.5	17.58	Si
835	5X/2Y Ø8/14.4	-1768	-55103	SLV 5	14427	38145	47440	2.5	21.57	-1906	-47580	SLV 13	12969	33497	51012	2.5	17.58	Si
864	5X/2Y Ø8/14.4	-1768	-54972	SLV 5	14410	38145	47423	2.5	21.57	-1906	-47449	SLV 13	12952	33497	50993	2.5	17.58	Si
893	5X/2Y Ø8/14.4	-1768	-54842	SLV 5	14394	38145	47407	2.5	21.57	-1906	-47319	SLV 13	12934	33497	50975	2.5	17.58	Si
922	5X/2Y Ø8/10	-1768	-54711	SLV 5	14378	49588	51005	2.25	28.04	-1906	-47188	SLV 13	12916	48385	50956	2.5	25.39	Si
951	5X/2Y Ø8/10	-1768	-54581	SLV 5	14362	49588	50987	2.25	28.04	-1906	-47058	SLV 13	12898	48385	50938	2.5	25.39	Si
980	5X/2Y Ø8/10	-1768	-54450	SLV 5	14345	49588	50969	2.25	28.04	-1906	-46927	SLV 13	12880	48385	50920	2.5	25.39	Si
1000	4X/2Y Ø8/10	-1575	-32572	SLV 5	10361	39671	40699	2.25	25.19	1716	-29067	SLV 3	9499	39534	40213	2.5	23.03	Si
1029	4X/2Y Ø8/10	-1575	-32463	SLV 5	10347	39671	40684	2.25	25.19	1716	-28958	SLV 3	9485	39534	40198	2.5	23.03	Si
1058	4X/2Y Ø8/10	-1575	-32354	SLV 5	10334	39671	40669	2.25	25.19	1716	-28849	SLV 3	9470	39534	40183	2.5	23.03	Si
1087	4X/2Y Ø8/14.4	-1575	-32246	SLV 5	10320	30516	37773	2.5	19.38	1716	-28740	SLV 3	9456	27370	40168	2.5	15.95	Si
1116	4X/2Y Ø8/14.4	-1575	-32137	SLV 5	10306	30516	37759	2.5	19.38	1716	-28632	SLV 3	9441	27370	40153	2.5	15.95	Si
1145	4X/2Y Ø8/14.4	-1575	-32028	SLV 5	10293	30516	37745	2.5	19.38	1716	-28523	SLV 3	9427	27370	40138	2.5	15.95	Si
1174	4X/2Y Ø8/14.4	-1575	-31919	SLV 5	10279	30516	37731	2.5	19.38	1716	-28414	SLV 3	9412	27370	40123	2.5	15.95	Si
1203	4X/2Y Ø8/14.4	-1575	-31811	SLV 5	10266	30516	37717	2.5	19.38	1716	-28305	SLV 3	9397	27370	40108	2.5	15.95	Si
1232	4X/2Y Ø8/10	-1575	-31702	SLV 5	10252	39671	40579	2.25	25.19	1716	-28197	SLV 3	9383	39534	40093	2.5	23.03	Si
1261	4X/2Y Ø8/10	-1575	-31593	SLV 5	10239	39671	40564	2.25	25.19	1716	-28088	SLV 3	9368	39534	40078	2.5	23.03	Si
1290	4X/2Y Ø8/10	-1575	-31484	SLV 5	10225	39671	40549	2.25	25.19	1716	-27979	SLV 3	9354	39534	40062	2.5	23.03	Si
1310	4X/2Y Ø8/10	-2848	-12765	SLV 5	7895	37907	39105	2.15	13.31	1768	-9638	SLV 3	6896	37953	38630	2.4	21.46	Si
1339	4X/2Y Ø8/10	-2848	-12656	SLV 5	7881	37907	39090	2.15	13.31	1768	-9529	SLV 3	6882	37953	38615	2.4	21.46	Si
1368	4X/2Y Ø8/10	-2848	-12548	SLV 5	7868	37907	39074	2.15	13.31	1768	-9420	SLV 3	6867	37953	38599	2.4	21.46	Si
1397	4X/2Y Ø8/14.4	-2848	-12439	SLV 5	7854	30516	35222	2.5	10.71	1768	-9312	SLV 3	6852	27370	37475	2.5	15.48	Si
1426	4X/2Y Ø8/14.4	-2848	-12330	SLV 5	7840	30516	35208	2.5	10.71	1768	-9203	SLV 3	6838	27370	37460	2.5	15.48	Si
1455	4X/2Y Ø8/14.4	-2848	-12221	SLV 5	7827	30516	35194	2.5	10.71	1768	-9094	SLV 3	6823	27370	37445	2.5	15.48	Si
1484	4X/2Y Ø8/14.4	-2848	-12113	SLV 5	7813	30516	35180	2.5	10.71	1768	-8985	SLV 3	6809	27370	37430	2.5	15.48	Si
1513	4X/2Y Ø8/14.4	-2848	-12004	SLV 5	7800	30516	35166	2.5	10.71	1768	-8877	SLV 3	6794	27370	37415	2.5	15.48	Si
1542	4X/2Y Ø8/10	-2848	-11895	SLV 5	7786	37907	38981	2.15	13.31	1768	-8768	SLV 3	6780	37953	38506	2.4	21.46	Si
1571	4X/2Y Ø8/10	-2848	-11786	SLV 5	7773	37907	38965	2.15	13.31	1768	-8659	SLV 3	6765	37953	38490	2.4	21.46	Si
1600	4X/2Y Ø8/10	-2848	-11678	SLV 5	7759	37907	38950	2.15	13.31	1768	-8550	SLV 3	6750	37953	38475	2.4	21.46	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-573	-92054	SLD 5	19027	55098	50429	2.5	88.01	1485	-88687	SLD 3	18587	48385	55356	2.5	32.59	Si
-111	5X/2Y Ø8/10	-573	-91924	SLD 5	19011	55098	50429	2.5	88.01	1485	-88557	SLD 3	18570	48385	55356	2.5	32.59	Si
-81	5X/2Y Ø8/10	-573	-91792	SLD 5	18995	55098	50429	2.5	88.01	1485	-88425	SLD 3	18551	48385	55356	2.5	32.59	Si
-52	5X/2Y Ø8/10	-573	-91659	SLD 5	18978	55098	50429	2.5	88.01	1485	-88292	SLD 3	18533	48385	55356	2.5	32.59	Si
-22	5X/2Y Ø8/15	-573	-91527	SLD 5	18962	36732	50429	2.5	64.1	1485	-88160	SLD 3	18515	32257	55356	2.5	21.73	Si
7	5X/2Y Ø8/15	-573	-91395	SLD 5	18945	36732	50429	2.5	64.1	1485	-88028	SLD 3	18497	32257	55356	2.5	21.73	Si
36	5X/2Y Ø8/15	-573	-91262	SLD 5	18929	36732	50429	2.5	64.1	1485	-87895	SLD 3	18479	32257	55356	2.5	21.73	Si
66	5X/2Y Ø8/15	-573	-91130	SLD 5	18912	36732	50429	2.5	64.1	1485	-87763	SLD 3	18461	32257	55356	2.5	21.73	Si
95	5X/2Y Ø8/15	-573	-90998	SLD 5	18896	36732	50429	2.5	64.1	1485	-87631	SLD 3	18443	32257	55356	2.5	21.73	Si
125	5X/2Y Ø8/15	-573	-90864	SLD 5	18879	36732	50429	2.5	64.1	1485	-87497	SLD 3	18425	32257	55356	2.5	21.73	Si
154	5X/2Y Ø8/15	-573	-90733	SLD 5	18863	36732	50429	2.5	64.1	1485	-87366	SLD 3	18407	32257	55356	2.5	21.73	Si
184	5X/2Y Ø8/15	-573	-90601	SLD 5	18846	36732	50429	2.5	64.1	1485	-87233	SLD 3	18389	32257	55356	2.5	21.73	Si
213	5X/2Y Ø8/15	-573	-90470	SLD 5	18830	36732	50429	2.5	64.1	1485	-87103	SLD 3	18371	32257	55356	2.5	21.73	Si
242	5X/2Y Ø8/10	-573	-90336	SLD 5	18813	55098	50429	2.5	88.01	1485	-86969	SLD 3	18352	48385	55356	2.5	32.59	Si
272	5X/2Y Ø8/10	-573	-90204	SLD 5	18797	55098	50429	2.5	88.01	1485	-86836	SLD 3	18334	48385	55356	2.5	32.59	Si
301	5X/2Y Ø8/10	-573	-90071	SLD 5	18780	55098	50429	2.5	88.01	1485	-86704	SLD 3	18316	48385	55356	2.5	32.59	Si
331	5X/2Y Ø8/10	-573	-89939	SLD 5	18764	55098	50429	2.5	88.01	1485	-86572	SLD 3	18298	48385	55356	2.5	32.59	Si
360	5X/2Y Ø8/10	-573	-89809	SLD 5	18748	55098	50429	2.5	88.01	1485	-86442	SLD 3	18280	48385	55356	2.5	32.59	Si
380	5X/2Y Ø8/10	-1054	-68548	SLD 1	16101	55098	49172	2.5	46.65	762	-68548	SLD 1	15835	48385	53976	2.5	63.52	Si
409	5X/2Y Ø8/10	-1054	-68418	SLD 1	16084	55098	49155	2.5	46.64	762	-68418	SLD 1	15817	48385	53958	2.5	63.52	Si
438	5X/2Y Ø8/10	-1054	-68287	SLD 1	16068	55098	49138	2.5	46.62	762	-68287	SLD 1	15799	48385	53939	2.5	63.52	Si
467	5X/2Y Ø8/14.4	-1054	-68157	SLD 1	16052	38145	49122	2.5	36.19	762	-68157	SLD 1	15782	33497	53921	2.5	43.98	Si
496	5X/2Y Ø8/14.4	-1054	-68026	SLD 1	16036	38145	49105	2.5	36.19	762	-68026	SLD 1	15764	33497	53902	2.5	43.98	Si
525	5X/2Y Ø8/14.4	-1054	-67896	SLD 1	16019	38145	49088	2.5	36.19	762	-67896	SLD 1	15746	33497	53884	2.5	43.98	Si
554	5X/2Y Ø8/14.4	-1054	-67765	SLD 1	16003	38145	49071	2.5	36.19	762	-67765	SLD 1	15728	33497	53866	2.5	43.98	Si
583	5X/2Y Ø8/14.4	-1054	-67635	SLD 1	15987	38145	49054	2.5	36.19	762	-67635	SLD 1	15710	33497	53847	2.5	43.98	Si
612	5X/2Y Ø8/10	-1054	-67504	SLD 1	15971	55098	49037	2.5	46.52	762	-67504	SLD 1	15692	48385	53829	2.5	63.52	Si
641	5X/2Y Ø8/10	-1054	-67374	SLD 1	15954	55098	49021	2.5	46.51	762	-67374	SLD 1	15675	48385	53810	2.5	63.52	Si
670	5X/2Y Ø8/10	-1054	-67243	SLD 1	15938	55098	49004	2.5	46.49	762	-67243	SLD 1	15657	48385	53792	2.5	63.52	Si
690	5X/2Y Ø8/10	-1044	-51875	SLD 5	14025	55098	47025	2.5	45.05	-765	-48908	SLD 13	13151	48385	51200	2.5	63.22	Si
719	5X/2Y Ø8/10	-1044	-51745	SLD 5	14009	55098	47008	2.5	45.03	-765	-48777	SLD 13	13133	48385	51181	2.5	63.22	Si
748	5X/2Y Ø8/10	-1044	-51614	SLD 5	13992	55098	46991	2.5	45.01	-765	-48647	SLD 13	13115	48385	51163	2.5	63.22	Si
777	5X/2Y Ø8/14.4	-1044	-51484	SLD 5	13976	38145	46974	2.5	36.54	-765	-48516	SLD 13	13097	33497	51144	2.5	43.77	Si
806	5X/2Y Ø8/14.4	-1044	-51353	SLD 5	13960	38145	46957	2.5	36.54	-765	-48386	SLD 13	13080	33497	51126	2.5	43.77	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
835	5X/2Y Ø8/14.4	-1044	-51223	SLD 5	13944	38145	46941	2.5	36.54	-765	-48255	SLD 13	13062	33497	51107	2.5	43.77	Si
864	5X/2Y Ø8/14.4	-1044	-51092	SLD 5	13927	38145	46924	2.5	36.54	-765	-48125	SLD 13	13044	33497	51089	2.5	43.77	Si
893	5X/2Y Ø8/14.4	-1044	-50962	SLD 5	13911	38145	46907	2.5	36.54	-765	-47994	SLD 13	13026	33497	51070	2.5	43.77	Si
922	5X/2Y Ø8/10	-1044	-50831	SLD 5	13895	55098	46890	2.5	44.92	-765	-47864	SLD 13	13008	48385	51052	2.5	63.22	Si
951	5X/2Y Ø8/10	-1044	-50701	SLD 5	13879	55098	46873	2.5	44.9	-765	-47733	SLD 13	12990	48385	51034	2.5	63.22	Si
980	5X/2Y Ø8/10	-1044	-50570	SLD 5	13862	55098	46856	2.5	44.89	-765	-47603	SLD 13	12973	48385	51015	2.5	63.22	Si
1000	4X/2Y Ø8/10	-945	-30032	SLD 5	10044	44078	37487	2.5	39.66	781	-28637	SLD 3	9442	39534	40154	2.5	50.65	Si
1029	4X/2Y Ø8/10	-945	-29923	SLD 5	10031	44078	37473	2.5	39.64	781	-28529	SLD 3	9427	39534	40139	2.5	50.65	Si
1058	4X/2Y Ø8/10	-945	-29815	SLD 5	10017	44078	37459	2.5	39.63	781	-28420	SLD 3	9413	39534	40124	2.5	50.65	Si
1087	4X/2Y Ø8/14.4	-945	-29706	SLD 5	10004	30516	37445	2.5	32.28	781	-28311	SLD 3	9398	27370	40108	2.5	35.07	Si
1116	4X/2Y Ø8/14.4	-945	-29597	SLD 5	9990	30516	37431	2.5	32.28	781	-28202	SLD 3	9384	27370	40093	2.5	35.07	Si
1145	4X/2Y Ø8/14.4	-945	-29488	SLD 5	9977	30516	37417	2.5	32.28	781	-28094	SLD 3	9369	27370	40078	2.5	35.07	Si
1174	4X/2Y Ø8/14.4	-945	-29380	SLD 5	9963	30516	37403	2.5	32.28	781	-27985	SLD 3	9355	27370	40063	2.5	35.07	Si
1203	4X/2Y Ø8/14.4	-945	-29271	SLD 5	9950	30516	37389	2.5	32.28	781	-27876	SLD 3	9340	27370	40048	2.5	35.07	Si
1232	4X/2Y Ø8/10	-945	-29162	SLD 5	9936	44078	37375	2.5	39.54	781	-27767	SLD 3	9325	39534	40033	2.5	50.65	Si
1261	4X/2Y Ø8/10	-945	-29053	SLD 5	9923	44078	37361	2.5	39.52	781	-27659	SLD 3	9311	39534	40018	2.5	50.65	Si
1290	4X/2Y Ø8/10	-945	-28945	SLD 5	9909	44078	37347	2.5	39.51	781	-27550	SLD 3	9296	39534	40003	2.5	50.65	Si
1310	4X/2Y Ø8/10	-2044	-11779	SLD 5	7772	44078	35137	2.5	17.19	1065	-10504	SLD 3	7012	39534	37640	2.5	35.35	Si
1339	4X/2Y Ø8/10	-2044	-11670	SLD 5	7758	44078	35123	2.5	17.18	1065	-10395	SLD 3	6998	39534	37625	2.5	35.34	Si
1368	4X/2Y Ø8/10	-2044	-11562	SLD 5	7745	44078	35109	2.5	17.18	1065	-10286	SLD 3	6983	39534	37610	2.5	35.32	Si
1397	4X/2Y Ø8/14.4	-2044	-11453	SLD 5	7731	30516	35095	2.5	14.93	1065	-10177	SLD 3	6968	27370	37595	2.5	25.71	Si
1426	4X/2Y Ø8/14.4	-2044	-11344	SLD 5	7718	30516	35081	2.5	14.93	1065	-10069	SLD 3	6954	27370	37580	2.5	25.71	Si
1455	4X/2Y Ø8/14.4	-2044	-11235	SLD 5	7704	30516	35067	2.5	14.93	1065	-9960	SLD 3	6939	27370	37565	2.5	25.71	Si
1484	4X/2Y Ø8/14.4	-2044	-11127	SLD 5	7691	30516	35053	2.5	14.93	1065	-9851	SLD 3	6925	27370	37550	2.5	25.71	Si
1513	4X/2Y Ø8/14.4	-2044	-11018	SLD 5	7677	30516	35039	2.5	14.93	1065	-9742	SLD 3	6910	27370	37535	2.5	25.71	Si
1542	4X/2Y Ø8/10	-2044	-10909	SLD 5	7664	44078	35025	2.5	17.13	1065	-9634	SLD 3	6896	39534	37519	2.5	35.24	Si
1571	4X/2Y Ø8/10	-2044	-10800	SLD 5	7650	44078	35011	2.5	17.13	1065	-9525	SLD 3	6881	39534	37504	2.5	35.22	Si
1600	4X/2Y Ø8/10	-2044	-10692	SLD 5	7636	44078	34997	2.5	17.12	1065	-9416	SLD 3	6866	39534	37489	2.5	35.21	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	-55104	58103	-100905	SLE RA 12	-55.9	-55104	58103	-100905	SLE RA 12	-803.8	Si
-111	-54903	52535	-100775	SLE RA 12	-55.4	-54903	52535	-100775	SLE RA 12	-797.8	Si
-81	-54698	46871	-100643	SLE RA 12	-54.8	-54698	46871	-100643	SLE RA 12	-791.7	Si
-52	-54494	41207	-100510	SLE RA 12	-54.2	-54494	41207	-100510	SLE RA 12	-785.7	Si
-22	-54289	35542	-100378	SLE RA 12	-53.6	-54289	35542	-100378	SLE RA 12	-779.6	Si
7	-54085	29878	-100246	SLE RA 12	-53	-54085	29878	-100246	SLE RA 12	-773.5	Si
36	-53880	24214	-100113	SLE RA 12	-52.4	-53880	24214	-100113	SLE RA 12	-767.4	Si
66	-53675	18550	-99981	SLE RA 12	-51.8	-53675	18550	-99981	SLE RA 12	-761.4	Si
95	-53471	12886	-99849	SLE RA 12	-51.2	-53471	12886	-99849	SLE RA 12	-755.3	Si
125	-53264	7165	-99715	SLE RA 12	-50.6	-53264	7165	-99715	SLE RA 12	-749.2	Si
154	-58061	-219	-99471	SLE RA 13	-50.1	-58061	-219	-99471	SLE RA 13	-744.1	Si
184	-64323	-6774	-99339	SLE RA 13	-50.9	-64323	-6774	-99339	SLE RA 13	-752.6	Si
213	-70491	-13231	-99209	SLE RA 13	-51.8	-70491	-13231	-99209	SLE RA 13	-761	Si
242	-76847	-19884	-99074	SLE RA 13	-52.6	-76847	-19884	-99074	SLE RA 13	-769.6	Si
272	-83109	-26440	-98942	SLE RA 13	-53.4	-83109	-26440	-98942	SLE RA 13	-778.1	Si
301	-89371	-32995	-98810	SLE RA 13	-54.3	-89371	-32995	-98810	SLE RA 13	-786.6	Si
331	-95633	-39550	-98677	SLE RA 13	-55.1	-95633	-39550	-98677	SLE RA 13	-795.1	Si
360	-101789	-45994	-98547	SLE RA 13	-55.9	-101789	-45994	-98547	SLE RA 13	-803.5	Si
380	64391	77226	-76380	SLE RA 12	-46.5	64391	77226	-76380	SLE RA 12	-651	Si
409	67889	57569	-76250	SLE RA 12	-44.8	67889	57569	-76250	SLE RA 12	-634.8	Si
438	71387	37912	-76119	SLE RA 12	-43.1	71387	37912	-76119	SLE RA 12	-618.5	Si
467	74886	18255	-75989	SLE RA 12	-41.4	74886	18255	-75989	SLE RA 12	-602.3	Si
496	78384	-1402	-75858	SLE RA 12	-39.9	78384	-1402	-75858	SLE RA 12	-588.5	Si
525	81882	-21058	-75728	SLE RA 12	-41.8	81882	-21058	-75728	SLE RA 12	-607	Si
554	85381	-40715	-75597	SLE RA 12	-43.7	85381	-40715	-75597	SLE RA 12	-625.4	Si
583	88879	-60372	-75467	SLE RA 12	-45.6	88879	-60372	-75467	SLE RA 12	-643.9	Si
612	92377	-80029	-75336	SLE RA 12	-47.5	92377	-80029	-75336	SLE RA 12	-662.4	Si
641	95876	-99686	-75206	SLE RA 12	-49.4	95876	-99686	-75206	SLE RA 12	-680.9	Si
670	99374	-119343	-75075	SLE RA 12	-51.3	99374	-119343	-75075	SLE RA 12	-699.4	Si
690	-60698	119549	-57389	SLE RA 12	-41.1	-60698	119549	-57389	SLE RA 12	-550.8	Si
719	-62955	100009	-57259	SLE RA 12	-39.4	-62955	100009	-57259	SLE RA 12	-533.9	Si
748	-65212	80470	-57128	SLE RA 12	-37.6	-65212	80470	-57128	SLE RA 12	-517	Si
777	-67469	60930	-56998	SLE RA 12	-35.9	-67469	60930	-56998	SLE RA 12	-500.1	Si
806	-69726	41391	-56867	SLE RA 12	-34.1	-69726	41391	-56867	SLE RA 12	-483.2	Si
835	-71983	21851	-56737	SLE RA 12	-32.4	-71983	21851	-56737	SLE RA 12	-466.3	Si
864	-74240	2312	-56606	SLE RA 12	-30.7	-74240	2312	-56606	SLE RA 12	-449.4	Si
893	-76497	-17228	-56476	SLE RA 12	-32.1	-76497	-17228	-56476	SLE RA 12	-463	Si
922	-78753	-36767	-56345	SLE RA 12	-33.9	-78753	-36767	-56345	SLE RA 12	-480.7	Si
951	-81010	-56307	-56215	SLE RA 12	-35.7	-81010	-56307	-56215	SLE RA 12	-497.3	Si
980	-83267	-75846	-56084	SLE RA 12	-35.5	-83267	-75846	-56084	SLE RA 12	-490.1	Si
1000	50332	64623	-33531	SLE RA 12	-28.8	50332	64623	-33531	SLE RA 12	-385.3	Si
1029	54884	47221	-33422	SLE RA 12	-27.8	54884	47221	-33422	SLE RA 12	-377.3	Si
1058	59435	29819	-33314	SLE RA 12	-26.5	59435	29819	-33314	SLE RA 12	-366.9	Si
1087	63987	12418	-33205	SLE RA 12	-24.8	63987	12418	-33205	SLE RA 12	-351	Si
1116	68538	-4984	-33096	SLE RA 12	-24.3	68538	-4984	-33096	SLE RA 12	-345.8	Si
1145	73090	-22386	-32987	SLE RA 12	-26.4	73090	-22386	-32987	SLE RA 12	-367.2	Si
1174	77642	-39788	-32879	SLE RA 12	-28.6	77642	-39788	-32879	SLE RA 12	-388.5	Si
1203	82193	-57190	-32770	SLE RA 12	-30.8	82193	-57190	-32770	SLE RA 12	-409.9	Si
1232	86745	-74592	-32661	SLE RA 12	-33	86745	-74592	-32661	SLE RA 12	-431.2	Si
1261	91296	-91994	-32552	SLE RA 12	-35.1	91296	-91994	-32552	SLE RA 12	-452.6	Si
1290	95848	-109396	-32444	SLE RA 12	-37.3	95848	-109396	-32444	SLE RA 12	-473.9	Si
1310	-116806	223628	-14016	SLE RA 12	-57.4	-116806	223628	-14016	SLE RA 12	692	Si
1339	-97068	169290	-13908	SLE RA 12	-43	-97068	169290	-13908	SLE RA 12	-450.8	Si
1368	-77329	114952	-13799	SLE RA 12	-25.9	-77329	114952	-13799	SLE RA 12	-304.3	Si
1397	-57591	60613	-13690	SLE RA 12	-18.5	-57591	60613	-13690	SLE RA 12	-229.3	Si
1426	-37852	6275	-13581	SLE RA 12	-11.1	-37852	6275	-13581	SLE RA 12	-154.3	Si
1455	-18113	-48063	-13473	SLE RA 12	-14.3	-18113	-48063	-13473	SLE RA 12	-182.1	Si
1484	1625	-102401	-13364	SLE RA 12	-19.1	1625	-102401	-13364	SLE RA 12	-227.7	Si
1513	21364	-156740	-13255	SLE RA 12	-26.4	21364	-156740	-13255	SLE RA 12	-299.1	Si
1542	41103	-211078	-13146	SLE RA 12	-45.3	41103	-211078	-13146	SLE RA 12	531.8	Si
1571	60841	-265416	-13038	SLE RA 12	-59.1	60841	-265416	-13038	SLE RA 12	864	Si
1600	80580	-319754	-12929	SLE RA 12	-64.3	80580	-319754	-12929	SLE RA 12	935.2	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²

Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	-77077	44111	-87898	SLE QP 2	-49.5	Si
-111	-74228	39681	-87768	SLE QP 2	-48.9	Si
-81	-71330	35174	-87636	SLE QP 2	-48.3	Si
-52	-68432	30668	-87503	SLE QP 2	-47.7	Si
-22	-65534	26161	-87371	SLE QP 2	-47.1	Si
7	-62636	21655	-87239	SLE QP 2	-46.5	Si
36	-59738	17148	-87106	SLE QP 2	-45.8	Si
66	-56839	12641	-86974	SLE QP 2	-45.2	Si
95	-53941	8135	-86842	SLE QP 2	-44.6	Si
125	-51014	3583	-86708	SLE QP 2	-44	Si
154	-48145	-878	-86577	SLE QP 2	-43.6	Si
184	-45247	-5385	-86445	SLE QP 2	-43.8	Si
213	-42393	-9824	-86314	SLE QP 2	-44	Si
242	-39451	-14398	-86180	SLE QP 2	-44.2	Si
272	-36553	-18905	-86047	SLE QP 2	-44.4	Si
301	-33655	-23411	-85915	SLE QP 2	-44.6	Si
331	-30757	-27918	-85783	SLE QP 2	-44.8	Si
360	-27908	-32348	-85653	SLE QP 2	-45	Si
380	51428	69814	-66182	SLE QP 2	-40.3	Si
409	54611	52509	-66052	SLE QP 2	-38.8	Si
438	57794	35205	-65921	SLE QP 2	-37.3	Si
467	60978	17901	-65791	SLE QP 2	-35.8	Si
496	64161	596	-65660	SLE QP 2	-34.3	Si
525	67344	-16708	-65530	SLE QP 2	-35.9	Si
554	70528	-34013	-65399	SLE QP 2	-37.6	Si
583	73711	-51317	-65269	SLE QP 2	-39.2	Si
612	76894	-68622	-65138	SLE QP 2	-40.9	Si
641	80077	-85926	-65008	SLE QP 2	-42.6	Si
670	83261	-103231	-64877	SLE QP 2	-44.3	Si
690	-53701	101738	-49348	SLE QP 2	-35.3	Si
719	-54101	84969	-49217	SLE QP 2	-33.8	Si
748	-54500	68200	-49087	SLE QP 2	-32.2	Si
777	-54899	51431	-48956	SLE QP 2	-30.6	Si
806	-55298	34662	-48826	SLE QP 2	-29	Si
835	-55697	17893	-48695	SLE QP 2	-27.4	Si
864	-56096	1124	-48565	SLE QP 2	-25.9	Si
893	-56496	-15645	-48434	SLE QP 2	-27.2	Si
922	-56895	-32414	-48304	SLE QP 2	-28.6	Si
951	-57294	-49183	-48173	SLE QP 2	-30.1	Si
980	-57693	-65953	-48043	SLE QP 2	-29.9	Si
1000	32837	58348	-28350	SLE QP 2	-24.1	Si
1029	37900	42733	-28241	SLE QP 2	-23.2	Si
1058	42963	27117	-28133	SLE QP 2	-22.1	Si
1087	48025	11502	-28024	SLE QP 2	-20.7	Si
1116	53088	-4114	-27915	SLE QP 2	-20.1	Si
1145	58151	-19729	-27806	SLE QP 2	-22.1	Si
1174	63214	-35345	-27698	SLE QP 2	-24.1	Si
1203	68277	-50961	-27589	SLE QP 2	-26.2	Si
1232	73340	-66576	-27480	SLE QP 2	-28.2	Si
1261	78403	-82192	-27371	SLE QP 2	-30.2	Si
1290	83465	-97807	-27263	SLE QP 2	-32.2	Si
1310	-99915	184676	-11110	SLE QP 2	-48.1	Si
1339	-82690	141003	-11001	SLE QP 2	-36.3	Si
1368	-65465	97330	-10892	SLE QP 2	-21.5	Si
1397	-48240	53657	-10783	SLE QP 2	-15.4	Si
1426	-31015	9985	-10675	SLE QP 2	-9.4	Si
1455	-13789	-33688	-10566	SLE QP 2	-10.7	Si
1484	3436	-77361	-10457	SLE QP 2	-14.8	Si
1513	20661	-121034	-10348	SLE QP 2	-20.7	Si
1542	37886	-164707	-10240	SLE QP 2	-36.1	Si
1571	55111	-208380	-10131	SLE QP 2	-47.4	Si
1600	72337	-252053	-10022	SLE QP 2	-51.8	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

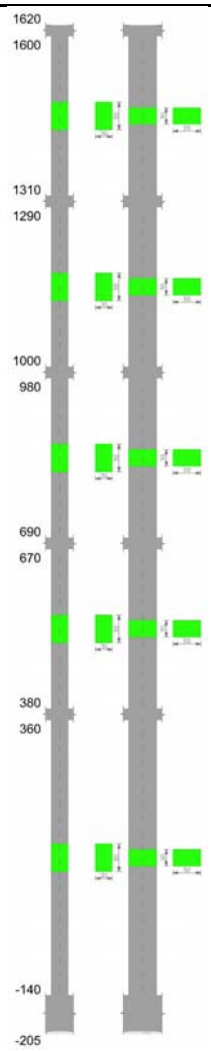
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.

Pilastro 44A

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x50	No	No	No	No		C30/37	B450C	
380	670	R 30x50	No	No	No	No		C30/37	B450C	
690	980	R 30x50	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.67	-19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.67	19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.67	19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.9	-6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.9	6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.9	-6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.9	6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.2	-9.67	-19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.67	-19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.67	19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.67	19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.9	-6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.9	6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.9	-6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.9	6.9	1.6	2.011	-140	380	R 30x50	B450C
p.3	-9.67	-19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	9.67	-19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	9.67	19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.67	19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.9	-6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.9	6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	9.9	-6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	9.9	6.9	1.6	2.011	380	690	R 30x50	B450C
p.4	-9.67	-19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.67	-19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.67	19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.67	19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.9	-6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.9	6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.9	-6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.9	6.9	1.6	2.011	690	1000	R 30x50	B450C
p.5	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.5	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.5	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.6	-9.67	-19.67	1.6	2.011	1310.1	1620	R 30x50	B450C
p.6	9.67	-19.67	1.6	2.011	1310.1	1620	R 30x50	B450C
p.6	9.67	19.67	1.6	2.011	1310.1	1620	R 30x50	B450C
p.6	-9.67	19.67	1.6	2.011	1310.1	1620	R 30x50	B450C
p.7	-9.9	-6.9	1.6	2.011	1310.1	1620	R 30x50	B450C
p.7	-9.9	6.9	1.6	2.011	1310.1	1620	R 30x50	B450C
p.7	9.9	-6.9	1.6	2.011	1310.1	1620	R 30x50	B450C
p.7	9.9	6.9	1.6	2.011	1310.1	1620	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2.1	0	1,2	199320	194222	-71603	683268	665791	SLU 52	3.428	Si
-111	16.08	2.1	0	1,2	194040	194040	-71536	667210	667210	SLU 51	3.439	Si
-81	16.08	1.1	0	2	193651	193651	-71392	667210	667210	SLU 51	3.445	Si
-52	16.08	1.1	0	2	193263	193263	-71249	667210	667210	SLU 51	3.452	Si
-22	16.08	1.1	0	2	192874	192874	-71105	667210	667210	SLU 51	3.459	Si
7	16.08	1.1	0	2	192485	192485	-70962	667210	667210	SLU 51	3.466	Si
36	16.08	1.1	0	2	192096	192096	-70819	667210	667210	SLU 51	3.473	Si
66	16.08	1.1	0	2	191707	191707	-70675	667210	667210	SLU 51	3.48	Si
95	16.08	1.1	0	2	191318	191318	-70532	667210	667210	SLU 51	3.487	Si
125	16.08	1.1	0	2	190925	190925	-70387	667210	667210	SLU 51	3.495	Si
154	16.08	1.1	0	2	190540	190540	-70245	667210	667210	SLU 51	3.502	Si
184	16.08	1.1	0	2	-190151	190151	-70102	-667210	667210	SLU 51	3.509	Si
213	16.08	1.1	0	2	-189768	189768	-69961	-667210	667210	SLU 51	3.516	Si
242	16.08	1.1	0	2	-189373	189373	-69815	-667210	667210	SLU 51	3.523	Si
272	16.08	1.1	0	2	-188984	188984	-69672	-667210	667210	SLU 51	3.531	Si
301	16.08	1.1	0	2	-188595	188595	-69528	-667210	667210	SLU 51	3.538	Si
331	16.08	1.1	0	2	-188207	-188207	-69385	-667210	-667210	SLU 51	3.545	Si
360	16.08	1.1	0	2	-187824	-187824	-69244	-667210	-667210	SLU 51	3.552	Si
380	16.08	2.1	0	2,3	117014	-209595	-58507	468393	-838984	SLU 51	4.003	Si
409	16.08	2.1	0	2,3	116731	-170374	-58366	493773	-720682	SLU 51	4.23	Si
438	16.08	1.1	0	3	116448	-131153	-58224	520645	-586389	SLU 51	4.471	Si
467	16.08	1.1	0	3	116166	-116166	-58083	530708	-530708	SLU 51	4.569	Si
496	16.08	1.1	0	3	115883	-115883	-57941	530708	-530708	SLU 51	4.58	Si
525	16.08	1.1	0	3	115600	-115600	-57800	530708	-530708	SLU 51	4.591	Si
554	16.08	1.1	0	3	115317	115317	-57659	530708	530708	SLU 51	4.602	Si
583	16.08	1.1	0	3	115035	115035	-57517	530708	530708	SLU 51	4.613	Si
612	16.08	1.1	0	3	114752	114752	-57376	530708	530708	SLU 51	4.625	Si
641	16.08	1.1	0	3	114469	143396	-57235	510479	639479	SLU 51	4.46	Si
670	16.08	1.1	0	3	114186	182617	-57093	483155	772705	SLU 51	4.231	Si
690	16.08	2.1	0	3,4	-80159	-152890	-40080	-459482	-876381	SLU 52	5.732	Si
719	16.08	2.1	0	3,4	-79877	-127486	-39938	-483398	-771520	SLU 52	6.052	Si
748	16.08	1.1	0	4	-79594	-102082	-39797	-507985	-651508	SLU 52	6.382	Si
777	16.08	1.1	0	4	-79433	-79433	-39716	-530708	-530708	SLU 51	6.681	Si
806	16.08	1.1	0	4	-79150	-79150	-39575	-530708	-530708	SLU 51	6.705	Si
835	16.08	1.1	0	4	-78867	-78867	-39434	-530708	-530708	SLU 51	6.729	Si
864	16.08	1.1	0	4	-78585	78585	-39292	-530708	530708	SLU 51	6.753	Si
893	16.08	1.1	0	4	-78302	78302	-39151	-530708	530708	SLU 51	6.778	Si
922	16.08	1.1	0	4	-78019	78019	-39010	-530708	530708	SLU 51	6.802	Si
951	16.08	1.1	0	4	-77736	77736	-38868	-530708	530708	SLU 51	6.827	Si
980	16.08	1.1	0	4	-79146	101208	-38727	-516512	660494	SLU 51	6.526	Si
1000	16.08	2.1	0	4,5	55646	-117613	-27823	444257	-938979	SLU 51	7.984	Si
1029	16.08	2.1	0	4,5	55363	-89954	-27682	481259	-781952	SLU 51	8.693	Si
1058	16.08	1.1	0	5	55080	-62296	-27540	520277	-588434	SLU 51	9.446	Si
1087	16.08	1.1	0	5	54798	-54798	-27399	530708	-530708	SLU 51	9.685	Si
1116	16.08	1.1	0	5	54515	-54515	-27257	530708	-530708	SLU 51	9.735	Si
1145	16.08	1.1	0	5	54232	54232	-27116	530708	530708	SLU 51	9.786	Si
1174	16.08	1.1	0	5	53949	53949	-26975	530708	530708	SLU 51	9.837	Si
1203	16.08	1.1	0	5	53667	75996	-26833	497187	704052	SLU 51	9.264	Si
1232	16.08	1.1	0	5	53384	103654	-26692	456893	887137	SLU 51	8.559	Si
1261	16.08	1.1	0	5	53101	131313	-26551	418614	1035180	SLU 51	7.883	Si
1290	16.08	1.1	0	5	52818	158971	-26409	383244	1153474	SLU 51	7.256	Si
1310	16.08	1.1	0	5	-48705	-191221	-9339	-324253	-1273045	SLU 49	6.657	Si
1339	16.05	2.1	0	5,6,7	-58138	-157357	-9198	-483441	-1308489	SLU 49	8.315	Si
1368	16.08	1.1	0	6,7	-67570	-123492	-9057	-693551	-1267546	SLU 49	10.264	Si
1397	16.08	1.1	0	6,7	-76783	-89807	-8959	-975179	-1140596	SLU 51	12.7	Si
1426	16.08	1.1	0	6,7	-86695	-55851	-8818	-1369898	-882515	SLU 51	15.801	Si
1455	16.08	1.1	0	6,7	-96608	-21894	-8676	-1860011	-421536	SLU 51	19.253	Si
1484	16.08	1.1	0	6,7	-106520	17070	-8535	-1988716	318685	SLU 51	18.67	Si
1513	16.08	1.1	0	6,7	-116433	46019	-8393	-1712466	676834	SLU 51	14.708	Si
1542	16.08	1.1	0	6,7	-126345	79975	-8252	-1382444	875075	SLU 51	10.942	Si
1571	16.08	1.1	0	6,7	-136258	113932	-8111	-1142864	955606	SLU 51	8.388	Si
1600	22.11	2.1	0	6,7	-146170	147889	-7969	-1133651	1146978	SLU 51	7.756	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	16.08	2.1	0	1,2	1081708	439647	-43287	-2.02	1.92	1245908	506384	SLV 1	1.152				Si
-111	16.08	2.1	0	1,2	1005125	407001	-43179	-2.02	1.92	1257709	509279	SLV 1	1.251				Si
-81	16.08	1.1	0	2	927286	373810	-43069	-2.02	1.92	1271072	512399	SLV 1	1.371				Si
-52	16.08	1.1	0	2	849537	340644	-42958	-2.02	1.92	1285682	515527	SLV 1	1.513				Si
-22	16.08	1.1	0	2	771913	307514	-42848	-2.02	1.92	1301890	518645	SLV 1	1.687				Si
7	16.08	1.1	0	2	694440	274430	-42738	-2.02	1.92	1319340	521380	SLV 1	1.9				Si
36	16.08	1.1	0	2	617172	241415	-42628	-2.02	1.92	1335654	522459	SLV 1	2.164				Si
66	16.08	1.1	0	2	540219	208515	-42517	-2.02	1.92	1346595	519763	SLV 1	2.493				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
95	16.08	1.1	0	2	463690	175794	-42407	-2.02	1.92	1343435	509322	SLV 1	2.897				Si
125	16.08	1.1	0	2	387037	143061	-42296	-2.02	1.92	1312575	485170	SLV 1	3.391				Si
154	16.08	1.1	0	2	313084	111741	-42186	-2.02	1.92	1237806	441778	SLV 1	3.954				Si
184	16.08	1.1	0	2	240368	82042	-42076	-2.02	1.92	1099951	375434	SLV 1	4.576				Si
213	16.08	1.1	0	2	-201751	-3927	-45580	-2.02	1.92	-1040182	-20247	SLV 15	5.156				Si
242	16.08	1.1	0	2	-126657	40914	-48068	-2.02	1.92	-653701	211166	SLV 13	5.161				Si
272	16.08	1.1	0	2	-119108	60187	-47958	-2.02	1.92	-600337	303361	SLV 13	5.04				Si
301	16.08	1.1	0	2	-164735	63035	-47848	-2.02	1.92	-783974	299985	SLV 13	4.759				Si
331	16.08	1.1	0	2	-201277	76673	-47737	-2.02	1.92	-900495	343027	SLV 13	4.474				Si
360	16.08	1.1	0	2	-282313	-129793	-41416	-2.02	1.92	-1130665	-519821	SLV 1	4.005				Si
380	16.08	2.1	0	2,3	-174787	-279126	-37853	-2.02	1.92	-592871	-946785	SLV 15	3.392				Si
409	16.08	2.1	0	2,3	-154139	-227523	-37744	-2.02	1.92	-606253	-894888	SLV 15	3.933				Si
438	16.08	1.1	0	3	-138316	-176841	-37635	-2.02	1.92	-626052	-800425	SLV 15	4.526				Si
467	16.08	1.1	0	3	-128891	-128171	-37527	-2.02	1.92	-660170	-656483	SLV 15	5.122				Si
496	16.08	1.1	0	3	-121997	-75372	-39483	-2.02	1.92	-683422	-422228	SLV 13	5.602				Si
525	16.08	1.1	0	3	105255	-28348	-37309	-2.02	1.92	697236	-187786	SLV 15	6.624				Si
554	16.08	1.1	0	3	181541	67063	-37200	-2.02	1.92	992164	366513	SLV 15	5.465				Si
583	16.08	1.1	0	3	200136	112369	-37092	-2.02	1.92	971565	545499	SLV 15	4.855				Si
612	16.08	1.1	0	3	222779	161653	-36983	-2.02	1.92	940864	682712	SLV 15	4.223				Si
641	16.08	1.1	0	3	248277	212578	-36874	-2.02	1.92	901611	771972	SLV 15	3.631				Si
670	16.08	1.1	0	3	275784	264296	-36765	-2.02	1.92	859249	823455	SLV 15	3.116				Si
690	16.08	2.1	0	3,4	-232001	-203980	-26114	-2.02	1.92	-908878	-799107	SLV 15	3.918				Si
719	16.08	2.1	0	3,4	151291	-150803	-27679	-2.02	1.92	800361	-797781	SLV 13	5.29				Si
748	16.08	1.1	0	4	139346	-117770	-27571	-2.02	1.92	835688	-706291	SLV 13	5.997				Si
777	16.08	1.1	0	4	131680	-96485	-27462	-2.02	1.92	855685	-626982	SLV 13	6.498				Si
806	16.08	1.1	0	4	-197818	-17424	-23354	-2.02	1.92	-1524007	-134233	SLV 1	7.704				Si
835	16.08	1.1	0	4	-215614	-65085	-23245	-2.02	1.92	-1381567	-417037	SLV 1	6.408				Si
864	16.08	1.1	0	4	-235254	-65885	-23136	-2.02	1.92	-1435449	-402009	SLV 1	6.102				Si
893	16.08	1.1	0	4	-260116	-71792	-23027	-2.02	1.92	-1467778	-405105	SLV 1	5.643				Si
922	16.08	1.1	0	4	203899	144417	-25244	-2.02	1.92	1016088	719672	SLV 15	4.983				Si
951	16.08	1.1	0	4	231480	183550	-25135	-2.02	1.92	966528	766399	SLV 15	4.175				Si
980	16.08	1.1	0	4	260907	223295	-25027	-2.02	1.92	919486	786937	SLV 15	3.524				Si
1000	16.08	2.1	0	4,5	225256	-153730	-18888	-2.02	1.92	1044308	-712706	SLV 13	4.636				Si
1029	16.08	2.1	0	4,5	209562	-119685	-18780	-2.02	1.92	1147399	-655303	SLV 13	5.475				Si
1058	16.08	1.1	0	5	182834	-95873	-17524	-2.02	1.92	1189840	-623921	SLV 15	6.508				Si
1087	16.08	1.1	0	5	196809	-22844	-17415	-2.02	1.92	1661446	-192849	SLV 15	8.442				Si
1116	16.08	1.1	0	5	200664	38604	-17306	-2.02	1.92	1576357	303263	SLV 15	7.856				Si
1145	16.08	1.1	0	5	210759	64631	-17198	-2.02	1.92	1442624	442392	SLV 15	6.845				Si
1174	16.08	1.1	0	5	225996	97331	-17089	-2.02	1.92	1293291	556991	SLV 15	5.723				Si
1203	16.08	1.1	0	5	245196	133187	-16980	-2.02	1.92	1160344	630285	SLV 15	4.732				Si
1232	16.08	1.1	0	5	267344	170545	-16871	-2.02	1.92	1056688	674085	SLV 15	3.953				Si
1261	16.08	1.1	0	5	291662	208688	-16763	-2.02	1.92	978516	700144	SLV 15	3.355				Si
1290	16.08	1.1	0	5	317584	247286	-16654	-2.02	1.92	920436	716694	SLV 15	2.898				Si
1310	16.08	1.1	0	5	126118	-167290	-5893	-2.02	1.92	552141	-732391	SLV 15	4.378				Si
1339	16.05	2.1	0	5,6,7	109364	-127508	-5784	-2.02	1.92	662340	-772222	SLV 15	6.056				Si
1368	16.08	1.1	0	6,7	-167082	-81386	-4804	-2.02	1.92	-994111	-484233	SLV 1	5.95				Si
1397	16.08	1.1	0	6,7	-165746	-81001	-4695	-2.02	1.92	-986170	-481950	SLV 1	5.95				Si
1426	16.08	1.1	0	6,7	-168502	-64228	-4587	-2.02	1.92	-1080660	-411912	SLV 1	6.413				Si
1455	16.08	1.1	0	6,7	-175603	-54244	-4478	-2.02	1.92	-1128430	-348571	SLV 1	6.426				Si
1484	16.08	1.1	0	6,7	-186610	-47782	-4369	-2.02	1.92	-1144223	-292980	SLV 1	6.132				Si
1513	16.08	1.1	0	6,7	-200831	-42920	-4260	-2.02	1.92	-1144383	-244569	SLV 1	5.698				Si
1542	16.08	1.1	0	6,7	-217628	-38828	-4152	-2.02	1.92	-1134226	-202360	SLV 1	5.212				Si
1571	16.08	1.1	0	6,7	-236469	-35143	-4043	-2.02	1.92	-1121526	-166677	SLV 1	4.743				Si
1600	22.11	2.1	0	6,7	92006	184577	-4805	-2.02	1.92	485085	973145	SLV 15	5.272				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2.1	0	1,2	476248	241736	-44386	1208004	613163	SLD 1	2.537	Si
-111	16.08	2.1	0	1,2	441120	224562	-44278	1200384	611082	SLD 1	2.721	Si
-81	16.08	1.1	0	2	405414	207099	-44167	1186995	606357	SLD 1	2.928	Si
-52	16.08	1.1	0	2	369750	189648	-44057	1166275	598195	SLD 1	3.154	Si
-22	16.08	1.1	0	2	334139	172214	-43947	1136080	585532	SLD 1	3.4	Si
7	16.08	1.1	0	2	298597	154802	-43836	1094654	567503	SLD 1	3.666	Si
36	16.08	1.1	0	2	263145	137421	-43726	1040022	543126	SLD 1	3.952	Si
66	16.08	1.1	0	2	227833	120094	-43616	969943	511270	SLD 1	4.257	Si
95	16.08	1.1	0	2	192711	102851	-43506	882914	471215	SLD 1	4.582	Si
125	16.08	1.1	0	2	157525	85584	-43394	776919	422106	SLD 1	4.932	Si
154	16.08	1.1	0	2	123565	69020	-43285	656299	366594	SLD 1	5.311	Si
184	16.08	1.1	0	2	90153	53179	-43175	517550	305289	SLD 1	5.741	Si
213	16.08	1.1	0	2	1665	28145	-45839	9871	166868	SLD 9	5.929	Si
242	16.08	1.1	0	2	-14142	27590	-45727	-84051	163977	SLD 9	5.943	Si
272	16.08	1.1	0	2	-26510	24196	-45616	-157939	144156	SLD 9	5.958	Si
301	16.08	1.1	0	2	-92144	28131	-45169	-536093	163665	SLD 13	5.818	Si
331	16.08	1.1	0	2	-111368	28980	-45058	-630542	164078	SLD 13	5.662	Si
360	16.08	1.1	0	2	-148229	-57371	-42515	-789956	-305745	SLD 1	5.329	Si
380	16.08	2.1	0	2,3	-60817	-189431	-36981	-295115	-919212	SLD 15	4.852	Si
409	16.08	2.1	0	2,3	-52753	-154710	-36873	-281259	-824849	SLD 15	5.332	Si
438	16.08	1.1	0	3	-46526	-120366	-36764	-271390	-702098	SLD 15	5.833	Si
467	16.08	1.1	0	3	-42718	-86835	-36655	-272492	-553910	SLD 15	6.379	Si
496	16.08	1.1	0	3	-39400	-51083	-37361	-273705	-354872	SLD 13	6.947	Si
525	16.08	1.1	0	3	-144	-16634	-37522	-1045	-120481	SLD 9	7.243	Si
554	16.08	1.1	0	3	83837	34580	-36329	579002	238820	SLD 15	6.906	Si
583	16.08	1.1	0	3	90743	66641	-36220	574688	422046	SLD 15	6.333	Si
612	16.08	1.1	0	3	99293	100340	-36111	575539	581609	SLD 15	5.796	Si
641	16.08	1.1	0	3	109026	134739	-36003	577188	713315	SLD 15	5.294	Si
670	16.08	1.1	0	3	119601	169482	-35894	575491	815503	SLD 15	4.812	Si
690	16.08	2.1	0	3,4	-109619	-133242	-25412	-679752	-826234	SLD 15	6.201	Si
719	16.08	2.1	0	3,4	42736	-102947	-25968	327274	-788372	SLD 13	7.658	Si
748	16.08	1.1	0	4	36999	-80961	-25859	308527	-675110	SLD 13	8.339	Si
777	16.08	1.1	0	4	32960	-63754	-25750	294721	-570069	SLD 13	8.942	Si
806	16.08	1.1	0	4	-100365	-23539	-24056	-935963	-219519	SLD 1	9.326	Si
835	16.08	1.1	0	4	-108781	-33181	-23947	-969269	-295655	SLD 1	8.91	Si
864	16.08	1.1	0	4	-117577	-24395	-23839	-1057511	-219417	SLD 1	8.994	Si
893	16.08	1.1	0	4	-128429	-17650	-23730	-1151948	-158308	SLD 1	8.97	Si
922	16.08	1.1	0	4	55978	76248	-24542	474643	646513	SLD 15	8.479	Si
951	16.08	1.1	0	4	65774	100683	-24433	504494	772247	SLD 15	7.67	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
980	16.08	1.1	0	4	76318	125362	-24324	526365	864616	SLD 15	6.897	Si
1000	16.08	2.1	0	4,5	111876	-104596	-17734	852917	-797415	SLD 13	7.624	Si
1029	16.08	2.1	0	4,5	104349	-81001	-17625	912142	-708051	SLD 13	8.741	Si
1058	16.08	1.1	0	5	91068	-61702	-17055	919198	-622794	SLD 15	10.094	Si
1087	16.08	1.1	0	5	96325	-22238	-16946	1147659	-264949	SLD 15	11.914	Si
1116	16.08	1.1	0	5	96160	12545	-16837	1195960	156026	SLD 15	12.437	Si
1145	16.08	1.1	0	5	98379	32966	-16729	1120638	375521	SLD 15	11.391	Si
1174	16.08	1.1	0	5	102611	55988	-16620	1039220	567031	SLD 15	10.128	Si
1203	16.08	1.1	0	5	108438	80268	-16511	957639	708863	SLD 15	8.831	Si
1232	16.08	1.1	0	5	115481	105157	-16402	879388	800770	SLD 15	7.615	Si
1261	16.08	1.1	0	5	123435	130368	-16294	809046	854482	SLD 15	6.554	Si
1290	16.08	1.1	0	5	132073	155765	-16185	748697	883004	SLD 15	5.669	Si
1310	16.08	1.1	0	5	39840	-133256	-5639	296046	-990196	SLD 15	7.431	Si
1339	16.05	2.1	0	5,6,7	-79738	-89626	-5703	-742028	-834050	SLD 5	9.306	Si
1368	16.08	1.1	0	6,7	-91690	-76058	-5057	-889396	-737770	SLD 1	9.7	Si
1397	16.08	1.1	0	6,7	-93442	-65064	-4949	-985393	-686139	SLD 1	10.546	Si
1426	16.08	1.1	0	6,7	-96847	-46758	-4840	-1185510	-572365	SLD 1	12.241	Si
1455	16.08	1.1	0	6,7	-102196	-31214	-4731	-1403914	-428796	SLD 1	13.737	Si
1484	16.08	1.1	0	6,7	-109455	-17244	-4622	-1634036	-257426	SLD 1	14.929	Si
1513	16.08	1.1	0	6,7	-118342	-4034	-4514	-1869681	-63736	SLD 1	15.799	Si
1542	16.08	1.1	0	6,7	-122245	23525	-4942	-1566084	301384	SLD 5	12.811	Si
1571	16.08	1.1	0	6,7	-135726	38814	-4833	-1374327	393020	SLD 5	10.126	Si
1600	22.11	2.1	0	6,7	-117422	77553	-4915	-1119403	739330	SLD 9	9.533	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	-378	-71575	SLU 49	12805	42315	43268	2.4	112.07	-685	-68100	SLU 46	12600	39534	45230	2.5	57.72	Si
-111	4X/2Y Ø8/10	-378	-71434	SLU 49	12805	42315	43268	2.4	112.07	-685	-67959	SLU 46	12600	39534	45230	2.5	57.72	Si
-81	4X/2Y Ø8/10	-378	-71291	SLU 49	12805	42315	43268	2.4	112.07	-685	-67815	SLU 46	12600	39534	45230	2.5	57.72	Si
-52	4X/2Y Ø8/10	-378	-71148	SLU 49	12805	42315	43268	2.4	112.07	-685	-67672	SLU 46	12600	39534	45230	2.5	57.72	Si
-22	4X/2Y Ø8/15	-378	-71004	SLU 49	12805	29386	42024	2.5	77.83	-685	-67528	SLU 46	12600	26356	45230	2.5	38.48	Si
7	4X/2Y Ø8/15	-378	-70861	SLU 49	12805	29386	42024	2.5	77.83	-685	-67385	SLU 46	12600	26356	45230	2.5	38.48	Si
36	4X/2Y Ø8/15	-378	-70718	SLU 49	12805	29386	42024	2.5	77.83	-685	-67242	SLU 46	12600	26356	45230	2.5	38.48	Si
66	4X/2Y Ø8/15	-378	-70574	SLU 49	12805	29386	42024	2.5	77.83	-685	-67098	SLU 46	12600	26356	45230	2.5	38.48	Si
95	4X/2Y Ø8/15	-378	-70431	SLU 49	12805	29386	42024	2.5	77.83	-685	-66955	SLU 46	12600	26356	45230	2.5	38.48	Si
125	4X/2Y Ø8/15	-378	-70286	SLU 49	12805	29386	42024	2.5	77.83	-685	-66810	SLU 46	12600	26356	45230	2.5	38.48	Si
154	4X/2Y Ø8/15	-378	-70144	SLU 49	12805	29386	42024	2.5	77.83	-685	-66668	SLU 46	12600	26356	45230	2.5	38.48	Si
184	4X/2Y Ø8/15	-378	-70001	SLU 49	12805	29386	42024	2.5	77.83	-685	-66525	SLU 46	12600	26356	45230	2.5	38.48	Si
213	4X/2Y Ø8/15	-378	-69859	SLU 49	12805	29386	42024	2.5	77.83	-685	-66384	SLU 46	12600	26356	45230	2.5	38.48	Si
242	4X/2Y Ø8/10	-378	-69714	SLU 49	12805	42315	43268	2.4	112.07	-685	-66238	SLU 46	12600	39534	45230	2.5	57.72	Si
272	4X/2Y Ø8/10	-378	-69571	SLU 49	12805	42315	43268	2.4	112.07	-685	-66095	SLU 46	12600	39534	45230	2.5	57.72	Si
301	4X/2Y Ø8/10	-378	-69427	SLU 49	12805	42315	43268	2.4	112.07	-685	-65951	SLU 46	12600	39534	45230	2.5	57.72	Si
331	4X/2Y Ø8/10	-378	-69284	SLU 49	12805	42315	43268	2.4	112.07	-685	-65808	SLU 46	12600	39534	45230	2.5	57.72	Si
360	4X/2Y Ø8/10	-378	-69143	SLU 49	12805	42315	43268	2.4	112.07	-685	-65667	SLU 46	12600	39534	45230	2.5	57.72	Si
380	4X/2Y Ø8/10	1352	-58507	SLU 51	12805	42315	42372	2.4	31.29	259	-50379	SLU 20	12355	39534	43167	2.5	152.87	Si
409	4X/2Y Ø8/10	1352	-58366	SLU 51	12805	42315	42354	2.4	31.29	259	-50270	SLU 20	12341	39534	43152	2.5	152.87	Si
438	4X/2Y Ø8/10	1352	-58224	SLU 51	12805	42315	42335	2.4	31.29	259	-50162	SLU 20	12326	39534	43137	2.5	152.87	Si
467	4X/2Y Ø8/14.4	1352	-58083	SLU 51	12805	30516	41100	2.5	22.56	259	-50053	SLU 20	12312	27370	43122	2.5	105.84	Si
496	4X/2Y Ø8/14.4	1352	-57941	SLU 51	12805	30516	41082	2.5	22.56	259	-49944	SLU 20	12297	27370	43107	2.5	105.84	Si
525	4X/2Y Ø8/14.4	1352	-57800	SLU 51	12805	30516	41064	2.5	22.56	259	-49835	SLU 20	12282	27370	43092	2.5	105.84	Si
554	4X/2Y Ø8/14.4	1352	-57659	SLU 51	12805	30516	41046	2.5	22.56	259	-49727	SLU 20	12268	27370	43077	2.5	105.84	Si
583	4X/2Y Ø8/14.4	1352	-57517	SLU 51	12805	30516	41027	2.5	22.56	259	-49618	SLU 20	12253	27370	43062	2.5	105.84	Si
612	4X/2Y Ø8/10	1352	-57376	SLU 51	12805	41434	42848	2.35	30.64	259	-49509	SLU 20	12239	39534	43047	2.5	152.87	Si
641	4X/2Y Ø8/10	1352	-57235	SLU 51	12805	41434	42829	2.35	30.64	259	-49400	SLU 20	12224	39534	43032	2.5	152.87	Si
670	4X/2Y Ø8/10	1352	-57093	SLU 51	12805	41434	42810	2.35	30.64	259	-49292	SLU 20	12210	39534	43017	2.5	152.87	Si
690	4X/2Y Ø8/10	876	-40080	SLU 52	11295	40552	41124	2.3	46.29	-153	-29663	SLU 33	9579	39534	40296	2.5	258.63	Si
719	4X/2Y Ø8/10	876	-39938	SLU 52	11278	40552	41105	2.3	46.29	-153	-29522	SLU 33	9560	39534	40276	2.5	258.63	Si
748	4X/2Y Ø8/10	876	-39797	SLU 52	11260	40552	41086	2.3	46.29	-153	-29380	SLU 33	9542	39534	40257	2.5	258.63	Si
777	4X/2Y Ø8/14.4	876	-39656	SLU 52	11242	30516	38727	2.5	34.84	-153	-29239	SLU 33	9523	27370	40237	2.5	179.05	Si
806	4X/2Y Ø8/14.4	876	-39514	SLU 52	11225	30516	38709	2.5	34.84	-153	-29097	SLU 33	9504	27370	40217	2.5	179.05	Si
835	4X/2Y Ø8/14.4	876	-39373	SLU 52	11207	30516	38690	2.5	34.84	-153	-28956	SLU 33	9485	27370	40198	2.5	179.05	Si
864	4X/2Y Ø8/14.4	876	-39231	SLU 52	11190	30516	38672	2.5	34.84	-153	-28815	SLU 33	9466	27370	40178	2.5	179.05	Si
893	4X/2Y Ø8/14.4	876	-39090	SLU 52	11172	30516	38654	2.5	34.84	-153	-28673	SLU 33	9447	27370	40159	2.5	179.05	Si
922	4X/2Y Ø8/10	876	-38949	SLU 52	11154	40552	40970	2.3	46.29	-153	-28532	SLU 33	9428	39534	40139	2.5	258.63	Si
951	4X/2Y Ø8/10	876	-38807	SLU 52	11137	40552	40951	2.3	46.29	-153	-28391	SLU 33	9409	39534	40119	2.5	258.63	Si
980	4X/2Y Ø8/10	876	-38666	SLU 52	11119	40552	40931	2.3	46.29	-153	-28249	SLU 33	9390	39534	40100	2.5	258.63	Si
1000	4X/2Y Ø8/10	954	-27823	SLU 51	9769	39671	40041	2.25	41.59	-133	-22594	SLU 38	8632	38743	39891	2.45	290.86	Si
1029	4X/2Y Ø8/10	954	-27682	SLU 51	9752	39671	40021	2.25	41.59	-133	-22452	SLU 38	8613	38743	39872	2.45	290.86	Si
1058	4X/2Y Ø8/10	954	-27540	SLU 51	9734	39671	40002	2.25	41.59	-133	-22311	SLU 38	8594	38743	39852	2.45	290.86	Si
1087	4X/2Y Ø8/14.4	954	-27399	SLU 51	9717	30516	37148	2.5	32	-133	-22170	SLU 38	8575	27370	39257	2.5	205.47	Si
1116	4X/2Y Ø8/14.4	954	-27257	SLU 51	9699	30516	37130	2.5	32	-133	-22028	SLU 38	8556	27370	39238	2.5	205.47	Si
1145	4X/2Y Ø8/14.4	954	-27116	SLU 51	9681	30516	37112	2.5	32	-133	-21887	SLU 38	8537	27370	39218	2.5	205.47	Si
1174	4X/2Y Ø8/14.4	954	-26975	SLU 51	9664	30516	37094	2.5	32	-133	-21745	SLU 38	8518	27370	39198	2.5	205.47	Si
1203	4X/2Y Ø8/14.4	954	-26833	SLU 51	9646	30516	37075	2.5	32	-133	-21604	SLU 38	8500	27370	39179	2.5	205.47	Si
1232	4X/2Y Ø8/10	954	-26692	SLU 51	9629	39671	39884	2.25	41.59	-133	-21463	SLU 38	8481	38743	39732	2.45	290.86	Si
1261	4X/2Y Ø8/10	954	-26551	SLU 51	9611	39671	39865	2.25	41.59	-133	-21321	SLU 38	8462	38743	39712	2.45	290.86	Si
1290	4X/2Y Ø8/10	954	-26409	SLU 51	9593	39671	39845	2.25	41.59	-133	-21180	SLU 38	8443	38743	39693	2.45	290.86	Si
1310	4X/2Y Ø8/10	1171	-9383	SLU 51	7474	37907	38622	2.15	32.37	-342	-9383	SLU 51	6862	37953	38594	2.4	111.03	Si
1339	4X/2Y Ø8/10	1171	-9242	SLU 51	7456	37907	38602	2.15	32.37	-342	-9242	SLU 51	6843	37953	38574	2.4	111.03	Si
1368	4X/2Y Ø8/10	1171	-9100	SLU 51	7438	37907	38582	2.15	32.37	-342	-9100	SLU 51	6824	37953	38553	2.4	111.03	Si
1397	4X/2Y Ø8/14.4	1171	-8959	SLU 51	7421	30516	34773	2.5	26.06	-342	-8959	SLU 51	6805	27370	37426	2.5	80.07	Si
1426	4X/2Y Ø8/14.4	1171	-8818	SLU 51	7403	30516	34755	2.5	26.06	-342	-8818	SLU 51	6786	27370	37406	2.5	80.07	Si
1455	4X/2Y Ø8/14.4	1171	-8676	SLU 51	7386	30516	34737	2.5	26.06	-342	-8676	SLU 51	6767	27370	37387	2.5	80.07	Si
1484	4X/2Y Ø8/14.4	1171	-8535	SLU 51	7368	30516	34719	2.5	26.06	-342	-8535	SLU 51	6748	27370	37367	2.5	80.07	Si
1513	4X/2Y Ø8/14.4	1171	-8393	SLU 51	7350	30516	34701	2.5	26.06	-342	-8393	SLU 51	6729	27370	37348	2.5	80.07	Si
1542	4X/2Y Ø8/10	1171	-8252	SLU 51	7333	37907	38461	2.15	32.37	-342	-8252	SLU 51	6710	37953	38432	2.4	111.03	Si
1571	4X/2Y Ø8/10	1171	-8111	SLU 51	7315	37907	38440	2.15	32.37	-342	-8111	SLU 51	6691	37953	38412	2.4	111.03	Si
1600	4X/2Y Ø8/10	1171	-7969	SLU 51	7298	37907	38420	2.15	32.37	-342	-7969	SLU 51	6673	37953	38392	2.4	111.03	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	-1133	-43287	SLV 1	11695	40552	41563	2.3	35.81	-2664	-43287	SLV 1	11405	39534	42184	2.5	14.84	Si
-111	4X/2Y Ø8/10	-1133	-43179	SLV 1	11681	40552	41548	2.3	35.81	-2664	-43179	SLV 1	11391	39534	42169	2.5	14.84	Si
-81	4X/2Y Ø8/10	-1133	-43069	SLV 1	11667	40552	41533	2.3	35.81	-2664	-43069	SLV 1	11376	39534	42154	2.5	14.84	Si
-52	4X/2Y Ø8/10	-1133	-42958	SLV 1	11654	40552	41518	2.3	35.81	-2664	-42958	SLV 1	11361	39534	42139	2.5	14.84	Si
-22	4X/2Y Ø8/15	-1133	-42848	SLV 1	11640	29386	39138	2.5	25.95	-2664	-42848	SLV 1	11346	26356	42124	2.5	9.89	Si
7	4X/2Y Ø8/15	-1133	-42738	SLV 1	11626	29386	39124	2.5	25.95	-2664	-42738	SLV 1	11331	26356	42108	2.5	9.89	Si
36	4X/2Y Ø8/15	-1133	-42628	SLV 1	11613	29386	39110	2.5	25.95	-2664	-42628	SLV 1	11317	26356	42093	2.5	9.89	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
66	4X/2Y Ø8/15	-1133	-42517	SLV 1	11599	29386	39095	2.5	25.95	-2664	-42517	SLV 1	11302	26356	42078	2.5	9.89	Si
95	4X/2Y Ø8/15	-1133	-42407	SLV 1	11585	29386	39081	2.5	25.95	-2664	-42407	SLV 1	11287	26356	42062	2.5	9.89	Si
125	4X/2Y Ø8/15	-1133	-42296	SLV 1	11571	29386	39067	2.5	25.95	-2664	-42296	SLV 1	11272	26356	42047	2.5	9.89	Si
154	4X/2Y Ø8/15	-1133	-42186	SLV 1	11558	29386	39053	2.5	25.95	-2664	-42186	SLV 1	11258	26356	42032	2.5	9.89	Si
184	4X/2Y Ø8/15	-1133	-42076	SLV 1	11544	29386	39039	2.5	25.95	-2664	-42076	SLV 1	11243	26356	42017	2.5	9.89	Si
213	4X/2Y Ø8/15	-1133	-41967	SLV 1	11530	29386	39025	2.5	25.95	-2664	-41967	SLV 1	11228	26356	42001	2.5	9.89	Si
242	4X/2Y Ø8/10	-1133	-41856	SLV 1	11516	40552	41367	2.3	35.81	-2664	-41856	SLV 1	11213	39534	41986	2.5	14.84	Si
272	4X/2Y Ø8/10	-1133	-41745	SLV 1	11503	40552	41352	2.3	35.81	-2664	-41745	SLV 1	11198	39534	41971	2.5	14.84	Si
301	4X/2Y Ø8/10	-1133	-41635	SLV 1	11489	40552	41337	2.3	35.81	-2664	-41635	SLV 1	11184	39534	41955	2.5	14.84	Si
331	4X/2Y Ø8/10	-1133	-41525	SLV 1	11475	40552	41322	2.3	35.81	-2664	-41525	SLV 1	11169	39534	41940	2.5	14.84	Si
360	4X/2Y Ø8/10	-1133	-41416	SLV 1	11462	40552	41307	2.3	35.81	-2664	-41416	SLV 1	11154	39534	41925	2.5	14.84	Si
380	4X/2Y Ø8/10	1831	-37853	SLV 15	11018	40552	40820	2.3	22.14	-1183	-34978	SLV 1	10292	39534	41033	2.5	33.42	Si
409	4X/2Y Ø8/10	1831	-37744	SLV 15	11005	40552	40805	2.3	22.14	-1183	-34870	SLV 1	10277	39534	41018	2.5	33.42	Si
438	4X/2Y Ø8/10	1831	-37635	SLV 15	10991	40552	40791	2.3	22.14	-1183	-34761	SLV 1	10262	39534	41003	2.5	33.42	Si
467	4X/2Y Ø8/14.4	1831	-37527	SLV 15	10977	30516	38453	2.5	16.66	-1183	-34652	SLV 1	10248	27370	40987	2.5	23.14	Si
496	4X/2Y Ø8/14.4	1831	-37418	SLV 15	10964	30516	38439	2.5	16.66	-1183	-34543	SLV 1	10233	27370	40972	2.5	23.14	Si
525	4X/2Y Ø8/14.4	1831	-37309	SLV 15	10950	30516	38425	2.5	16.66	-1183	-34435	SLV 1	10219	27370	40957	2.5	23.14	Si
554	4X/2Y Ø8/14.4	1831	-37200	SLV 15	10937	30516	38411	2.5	16.66	-1183	-34326	SLV 1	10204	27370	40942	2.5	23.14	Si
583	4X/2Y Ø8/14.4	1831	-37092	SLV 15	10923	30516	38397	2.5	16.66	-1183	-34217	SLV 1	10190	27370	40927	2.5	23.14	Si
612	4X/2Y Ø8/10	1831	-36983	SLV 15	10910	40552	40701	2.3	22.14	-1183	-34108	SLV 1	10175	39534	40912	2.5	33.42	Si
641	4X/2Y Ø8/10	1831	-36874	SLV 15	10896	40552	40687	2.3	22.14	-1183	-34000	SLV 1	10160	39534	40897	2.5	33.42	Si
670	4X/2Y Ø8/10	1831	-36765	SLV 15	10883	40552	40672	2.3	22.14	-1183	-33891	SLV 1	10146	39534	40882	2.5	33.42	Si
690	4X/2Y Ø8/10	1416	-26114	SLV 15	9557	39671	39804	2.25	28.01	-1365	-23789	SLV 1	8792	38743	40059	2.45	28.39	Si
719	4X/2Y Ø8/10	1416	-26005	SLV 15	9543	39671	39789	2.25	28.01	-1365	-23680	SLV 1	8778	38743	40044	2.45	28.39	Si
748	4X/2Y Ø8/10	1416	-25897	SLV 15	9530	39671	39774	2.25	28.01	-1365	-23571	SLV 1	8763	38743	40029	2.45	28.39	Si
777	4X/2Y Ø8/14.4	1416	-25788	SLV 15	9516	30516	36941	2.5	21.55	-1365	-23462	SLV 1	8749	27370	39436	2.5	20.05	Si
806	4X/2Y Ø8/14.4	1416	-25679	SLV 15	9502	30516	36927	2.5	21.55	-1365	-23354	SLV 1	8734	27370	39421	2.5	20.05	Si
835	4X/2Y Ø8/14.4	1416	-25570	SLV 15	9489	30516	36913	2.5	21.55	-1365	-23245	SLV 1	8719	27370	39406	2.5	20.05	Si
864	4X/2Y Ø8/14.4	1416	-25462	SLV 15	9475	30516	36899	2.5	21.55	-1365	-23136	SLV 1	8705	27370	39391	2.5	20.05	Si
893	4X/2Y Ø8/14.4	1416	-25353	SLV 15	9462	30516	36885	2.5	21.55	-1365	-23027	SLV 1	8690	27370	39376	2.5	20.05	Si
922	4X/2Y Ø8/10	1416	-25244	SLV 15	9448	39671	39684	2.25	28.01	-1365	-22919	SLV 1	8676	38743	39937	2.45	28.39	Si
951	4X/2Y Ø8/10	1416	-25135	SLV 15	9435	38789	40265	2.2	27.39	-1365	-22810	SLV 1	8661	38743	39922	2.45	28.39	Si
980	4X/2Y Ø8/10	1416	-25027	SLV 15	9421	38789	40249	2.2	27.39	-1365	-22701	SLV 1	8647	38743	39907	2.45	28.39	Si
1000	4X/2Y Ø8/10	1369	-17741	SLV 15	8514	38789	39224	2.2	28.34	-1270	-16174	SLV 1	7772	38743	38989	2.45	30.5	Si
1029	4X/2Y Ø8/10	1369	-17633	SLV 15	8501	38789	39209	2.2	28.34	-1270	-16065	SLV 1	7757	38743	38973	2.45	30.5	Si
1058	4X/2Y Ø8/10	1369	-17524	SLV 15	8487	38789	39194	2.2	28.34	-1270	-15957	SLV 1	7743	38743	38958	2.45	30.5	Si
1087	4X/2Y Ø8/14.4	1369	-17415	SLV 15	8474	30516	35862	2.5	22.3	-1270	-15848	SLV 1	7728	27370	38381	2.5	21.55	Si
1116	4X/2Y Ø8/14.4	1369	-17306	SLV 15	8460	30516	35848	2.5	22.3	-1270	-15739	SLV 1	7714	27370	38366	2.5	21.55	Si
1145	4X/2Y Ø8/14.4	1369	-17198	SLV 15	8446	30516	35834	2.5	22.3	-1270	-15630	SLV 1	7699	27370	38351	2.5	21.55	Si
1174	4X/2Y Ø8/14.4	1369	-17089	SLV 15	8433	30516	35820	2.5	22.3	-1270	-15522	SLV 1	7685	27370	38336	2.5	21.55	Si
1203	4X/2Y Ø8/14.4	1369	-16980	SLV 15	8419	30516	35806	2.5	22.3	-1270	-15413	SLV 1	7670	27370	38321	2.5	21.55	Si
1232	4X/2Y Ø8/10	1369	-16871	SLV 15	8406	38789	39102	2.2	28.34	-1270	-15304	SLV 1	7655	38743	38866	2.45	30.5	Si
1261	4X/2Y Ø8/10	1369	-16763	SLV 15	8392	38789	39087	2.2	28.34	-1270	-15195	SLV 1	7641	38743	38851	2.45	30.5	Si
1290	4X/2Y Ø8/10	1369	-16654	SLV 15	8379	38789	39071	2.2	28.34	-1270	-15087	SLV 1	7626	38743	38836	2.45	30.5	Si
1310	4X/2Y Ø8/10	1179	-5893	SLV 15	7039	37907	38124	2.15	32.15	-998	-6775	SLV 9	6513	37953	38222	2.4	38.02	Si
1339	4X/2Y Ø8/10	1179	-5784	SLV 15	7025	37907	38108	2.15	32.15	-998	-6666	SLV 9	6498	37953	38206	2.4	38.02	Si
1368	4X/2Y Ø8/10	1179	-5675	SLV 15	7012	37907	38092	2.15	32.15	-998	-6558	SLV 9	6483	37953	38191	2.4	38.02	Si
1397	4X/2Y Ø8/14.4	1179	-5566	SLV 15	6998	30516	34336	2.5	25.88	-998	-6449	SLV 9	6469	27370	37078	2.5	27.42	Si
1426	4X/2Y Ø8/14.4	1179	-5458	SLV 15	6985	30516	34322	2.5	25.88	-998	-6340	SLV 9	6454	27370	37063	2.5	27.42	Si
1455	4X/2Y Ø8/14.4	1179	-5349	SLV 15	6971	30516	34308	2.5	25.88	-998	-6231	SLV 9	6440	27370	37048	2.5	27.42	Si
1484	4X/2Y Ø8/14.4	1179	-5240	SLV 15	6958	30516	34294	2.5	25.88	-998	-6123	SLV 9	6425	27370	37033	2.5	27.42	Si
1513	4X/2Y Ø8/14.4	1179	-5131	SLV 15	6944	30516	34280	2.5	25.88	-998	-6014	SLV 9	6411	27370	37018	2.5	27.42	Si
1542	4X/2Y Ø8/10	1179	-5023	SLV 15	6931	37907	37999	2.15	32.15	-998	-5905	SLV 9	6396	37953	38097	2.4	38.02	Si
1571	4X/2Y Ø8/10	1179	-4914	SLV 15	6917	37907	37984	2.15	32.15	-998	-5796	SLV 9	6381	37953	38082	2.4	38.02	Si
1600	4X/2Y Ø8/10	1179	-4805	SLV 15	6904	37907	37968	2.15	32.15	-998	-5688	SLV 9	6367	37953	38066	2.4	38.02	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	-596	-44386	SLD 1	11831	44078	39336	2.5	66.05	-1222	-44386	SLD 1	11552	39534	42337	2.5	32.36	Si
-111	4X/2Y Ø8/10	-596	-44278	SLD 1	11818	44078	39322	2.5	66.02	-1222	-44278	SLD 1	11538	39534	42322	2.5	32.36	Si
-81	4X/2Y Ø8/10	-596	-44167	SLD 1	11804	44078	39308	2.5	66	-1222	-44167	SLD 1	11523	39534	42306	2.5	32.36	Si
-52	4X/2Y Ø8/10	-596	-44057	SLD 1	11790	44078	39294	2.5	65.98	-1222	-44057	SLD 1	11508	39534	42291	2.5	32.36	Si
-22	4X/2Y Ø8/15	-596	-43947	SLD 1	11777	29386	39280	2.5	49.34	-1222	-43947	SLD 1	11493	26356	42276	2.5	21.57	Si
7	4X/2Y Ø8/15	-596	-43836	SLD 1	11763	29386	39265	2.5	49.34	-1222	-43836	SLD 1	11479	26356	42261	2.5	21.57	Si
36	4X/2Y Ø8/15	-596	-43726	SLD 1	11749	29386	39251	2.5	49.34	-1222	-43726	SLD 1	11464	26356	42245	2.5	21.57	Si
66	4X/2Y Ø8/15	-596	-43616	SLD 1	11736	29386	39237	2.5	49.34	-1222	-43616	SLD 1	11449	26356	42230	2.5	21.57	Si
95	4X/2Y Ø8/15	-596	-43506	SLD 1	11722	29386	39223	2.5	49.34	-1222	-43506	SLD 1	11434	26356	42215	2.5	21.57	Si
125	4X/2Y Ø8/15	-596	-43394	SLD 1	11708	29386	39208	2.5	49.34	-1222	-43394	SLD 1	11419	26356	42199	2.5	21.57	Si
154	4X/2Y Ø8/15	-596	-43285	SLD 1	11694	29386	39194	2.5	49.34	-1222	-43285	SLD 1	11405	26356	42184	2.5	21.57	Si
184	4X/2Y Ø8/15	-596	-43175	SLD 1	11681	29386	39180	2.5	49.34	-1222	-43175	SLD 1	11390	26356	42169	2.5	21.57	Si
213	4X/2Y Ø8/15	-596	-43066	SLD 1	11667	29386	39166	2.5	49.34	-1222	-43066	SLD 1	11375	26356	42154	2.5	21.57	Si
242	4X/2Y Ø8/10	-596	-42954	SLD 1	11653	44078	39152	2.5	65.74	-1222	-42954	SLD 1	11360	39534	42138	2.5	32.36	Si
272	4X/2Y Ø8/10	-596	-42844	SLD 1	11639	44078	39137	2.5	65.71	-1222	-42844	SLD 1	11346	39534	42123	2.5	32.36	Si
301	4X/2Y Ø8/10	-596	-42734	SLD 1	11626	44078	39123	2.5	65.69	-1222	-42734	SLD 1	11331	39534	42108	2.5	32.36	Si
331	4X/2Y Ø8/10	-596	-42623	SLD 1	11612	44078	39109	2.5	65.66	-1222	-42623	SLD 1	11316	39534	42092	2.5	32.36	Si
360	4X/2Y Ø8/10	-596	-42515	SLD 1	11598	44078	39095	2.5	65.64	-1222	-42515	SLD 1	11302	39534	42077	2.5	32.36	Si
380	4X/2Y Ø8/10	1219	-36981	SLD 15	10910	44078	38382	2.5	31.48	-469	-35850	SLD 1	10408	39534	41153	2.5	84.33	Si
409	4X/2Y Ø8/10	1219	-36873	SLD 15	10896	44078	38368	2.5	31.47	-469	-35741	SLD 1	10394	39534	41138	2.5	84.33	Si
438	4X/2Y Ø8/10	1219	-36764	SLD 15	10882	44078	38354	2.5	31.46	-469	-35632	SLD 1	10379	39534	41123	2.5	84.33	Si
467	4X/2Y Ø8/14.4	1219	-36655	SLD 15	10869	30516	38340	2.5	25.03	-469	-35523	SLD 1	10365	27370	41108	2.5	58.38	Si
496	4X/2Y Ø8/14.4	1219	-36546	SLD 15	10855	30516	38326	2.5	25.03	-469	-35415	SLD 1	10350	27370	41093	2.5	58.38	Si
525	4X/2Y Ø8/14.4	1219	-36438	SLD 15	10842	30516	38312	2.5	25.03	-469	-35306	SLD 1	10336	27370	41078	2.5	58.38	Si
554	4X/2Y Ø8/14.4	1219	-36329	SLD 15	10828	30516	38298	2.5	25.03	-469	-35197	SLD 1	10321	27370	41063	2.5	58.38	Si
583	4X/2Y Ø8/14.4	1219	-36220	SLD 15	10815	30516	38284	2.5	25.03	-469	-35088	SLD 1	10306	27370	41048	2.5	58.38	Si
612	4X/2Y Ø8/10	1219	-36111	SLD 15	10801	44078	38270	2.5	31.39	-469	-34980	SLD 1	10292	39534	41033	2.5	84.33	Si
641	4X/2Y Ø8/10	1219	-36003	SLD 15	10788	44078	38256	2.5	31.38	-469	-34871	SLD 1	10277	39534	41018	2.5	84.33	Si
670	4X/2Y Ø8/10	1219	-35894	SLD 15	10774	44078	38242	2.5	31.37	-469	-34762	SLD 1	10263	39534	41003	2.5	84.33	Si
690	4X/2Y Ø8/10	869	-25412	SLD 15	9469	44078	36892	2.5	42.44	-579	-24491	SLD 1	8886	39534	39579	2.5	68.23	Si
719	4X/2Y Ø8/10	869	-25303	SLD 15	9456	44078	36878	2.5	42.43	-579	-24382	SLD 1	8872	39534	39564	2.5	68.23	Si
748	4X/2Y Ø8/10	869	-25194	SLD 15	9442	44078	36864	2.5	42.41	-579	-24274	SLD 1	8857	39534	39549	2.5	68.23	Si
777	4X/2Y Ø8/14.4	869	-25085	SLD 15	9429	30516	36850	2.5	35.11	-579	-24165	SLD 1	8843	27370	39534	2.5	47.24	Si
806	4X/2Y Ø8/14.4	869	-24977	SLD 15	9415	30516	36836	2.5	35.11	-579	-24056	SLD 1	8828	27370	39519	2.5	47.24	Si
835	4X/2Y Ø8/14.4	869	-24868	SLD 15	9401	30516	36822	2.5	35.11	-579	-23947	SLD 1	8814	27370	39504	2.5	47.24	Si
864	4X/2Y Ø8/14.4	869	-24759	SLD 15	9388	30516	36808	2.5	35.11	-579	-23839	SLD 1	8799	27370	39489	2.5	47.24	Si
893	4X/2Y Ø8/14.4	869	-24650	SLD 15	9374	30516	36794	2.5	35.11	-579	-23730	SLD 1	8784	27370	39473	2.5	47.24	Si
922	4X/2Y Ø8/10	869	-24542	SLD 15	9361	44078	36780	2.5	42.32	-579	-23621	SLD 1	8770	39534	39458	2.5	68.1	Si
951	4X/2Y Ø8/10	869	-24433	SLD 15	9347	44078	36766	2.5	42.3	-579	-23512	SLD 1	8755	39534	39443	2.5	68.08	Si
980	4X/2Y Ø8/10	869	-24324	SLD 15	9334	44078	36752	2.5	42.28	-579	-23404	SLD 1	8741	39534	39428	2.5	68.05	Si

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1000	4X/2Y Ø8/10	891	-17272	SLD 15	8456	44078	35844	2.5	40.21	-549	-16643	SLD 1	7835	39534	38491	2.5	70.15	Si
1029	4X/2Y Ø8/10	891	-17164	SLD 15	8442	44078	35830	2.5	40.19	-549	-16535	SLD 1	7820	39534	38476	2.5	70.12	Si
1058	4X/2Y Ø8/10	891	-17055	SLD 15	8429	44078	35816	2.5	40.18	-549	-16426	SLD 1	7806	39534	38461	2.5	70.09	Si
1087	4X/2Y Ø8/14.4	891	-16946	SLD 15	8415	30516	35802	2.5	34.23	-549	-16317	SLD 1	7791	27370	38446	2.5	49.88	Si
1116	4X/2Y Ø8/14.4	891	-16837	SLD 15	8402	30516	35788	2.5	34.23	-549	-16208	SLD 1	7777	27370	38431	2.5	49.88	Si
1145	4X/2Y Ø8/14.4	891	-16729	SLD 15	8388	30516	35774	2.5	34.23	-549	-16100	SLD 1	7762	27370	38416	2.5	49.88	Si
1174	4X/2Y Ø8/14.4	891	-16620	SLD 15	8375	30516	35760	2.5	34.23	-549	-15991	SLD 1	7747	27370	38401	2.5	49.88	Si
1203	4X/2Y Ø8/14.4	891	-16511	SLD 15	8361	30516	35746	2.5	34.23	-549	-15882	SLD 1	7733	27370	38386	2.5	49.88	Si
1232	4X/2Y Ø8/10	891	-16402	SLD 15	8347	44078	35732	2.5	40.08	-549	-15773	SLD 1	7718	39534	38371	2.5	69.93	Si
1261	4X/2Y Ø8/10	891	-16294	SLD 15	8334	44078	35718	2.5	40.07	-549	-15665	SLD 1	7704	39534	38355	2.5	69.9	Si
1290	4X/2Y Ø8/10	891	-16185	SLD 15	8320	44078	35704	2.5	40.05	-549	-15556	SLD 1	7689	39534	38340	2.5	69.87	Si
1310	4X/2Y Ø8/10	855	-5639	SLD 15	7007	44078	34346	2.5	40.18	-544	-6002	SLD 9	6409	39534	37016	2.5	68.05	Si
1339	4X/2Y Ø8/10	855	-5530	SLD 15	6994	44078	34332	2.5	40.16	-544	-5893	SLD 9	6394	39534	37001	2.5	68.03	Si
1368	4X/2Y Ø8/10	855	-5422	SLD 15	6980	44078	34318	2.5	40.15	-544	-5785	SLD 9	6380	39534	36986	2.5	68	Si
1397	4X/2Y Ø8/14.4	855	-5313	SLD 15	6967	30516	34304	2.5	35.7	-544	-5676	SLD 9	6365	27370	36971	2.5	50.32	Si
1426	4X/2Y Ø8/14.4	855	-5204	SLD 15	6953	30516	34290	2.5	35.7	-544	-5567	SLD 9	6351	27370	36956	2.5	50.32	Si
1455	4X/2Y Ø8/14.4	855	-5095	SLD 15	6940	30516	34276	2.5	35.7	-544	-5458	SLD 9	6336	27370	36941	2.5	50.32	Si
1484	4X/2Y Ø8/14.4	855	-4987	SLD 15	6926	30516	34262	2.5	35.7	-544	-5350	SLD 9	6321	27370	36926	2.5	50.32	Si
1513	4X/2Y Ø8/14.4	855	-4878	SLD 15	6913	30516	34248	2.5	35.7	-544	-5241	SLD 9	6307	27370	36911	2.5	50.32	Si
1542	4X/2Y Ø8/10	855	-4769	SLD 15	6899	44078	34234	2.5	40.05	-544	-5132	SLD 9	6292	39534	36895	2.5	67.83	Si
1571	4X/2Y Ø8/10	855	-4660	SLD 15	6886	44078	34220	2.5	40.03	-544	-5023	SLD 9	6278	39534	36880	2.5	67.81	Si
1600	4X/2Y Ø8/10	855	-4552	SLD 15	6872	44078	34206	2.5	40.02	-544	-4915	SLD 9	6263	39534	36865	2.5	67.78	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	122489	122641	-50534	SLE RA 12	-51	122489	122641	-50534	SLE RA 12	-665.5	Si
-111	111152	115007	-50425	SLE RA 12	-49.3	111152	115007	-50425	SLE RA 12	-647.2	Si
-81	99620	107240	-50315	SLE RA 12	-47.6	99620	107240	-50315	SLE RA 12	-628.6	Si
-52	88088	99474	-50205	SLE RA 12	-45.9	88088	99474	-50205	SLE RA 12	-610.1	Si
-22	76555	91707	-50095	SLE RA 12	-44.2	76555	91707	-50095	SLE RA 12	-591.5	Si
7	65023	83941	-49984	SLE RA 12	-42.4	65023	83941	-49984	SLE RA 12	-572.9	Si
36	53491	76174	-49874	SLE RA 12	-40.7	53491	76174	-49874	SLE RA 12	-554.3	Si
66	41958	68408	-49764	SLE RA 12	-39	41958	68408	-49764	SLE RA 12	-535.7	Si
95	30426	60641	-49653	SLE RA 12	-37.3	30426	60641	-49653	SLE RA 12	-517.2	Si
125	18778	52797	-49542	SLE RA 12	-35.6	18778	52797	-49542	SLE RA 12	-498.4	Si
154	7361	45108	-49433	SLE RA 12	-33.9	7361	45108	-49433	SLE RA 12	-480	Si
184	-10971	41609	-49273	SLE RA 13	-33.7	-10971	41609	-49273	SLE RA 13	-477.8	Si
213	-24550	36155	-49165	SLE RA 13	-33.9	-24550	36155	-49165	SLE RA 13	-482	Si
242	-38542	30534	-49053	SLE RA 13	-34.2	-38542	30534	-49053	SLE RA 13	-486.4	Si
272	-52327	24996	-48942	SLE RA 13	-34.5	-52327	24996	-48942	SLE RA 13	-490.6	Si
301	-72799	27851	-46497	SLE RA 7	-34.8	-66112	19458	-48832	SLE RA 13	-494.9	Si
331	-86926	24019	-46386	SLE RA 7	-35.3	-79898	13921	-48722	SLE RA 13	-499.2	Si
360	-100814	20252	-46278	SLE RA 7	-35.7	-93449	8477	-48613	SLE RA 13	-503.4	Si
380	17957	-146775	-41202	SLE RA 12	-41.1	17957	-146775	-41202	SLE RA 12	-526.4	Si
409	18385	-119319	-41093	SLE RA 12	-38.1	18385	-119319	-41093	SLE RA 12	-496.4	Si
438	18812	-91864	-40984	SLE RA 12	-35	18812	-91864	-40984	SLE RA 12	-466.5	Si
467	19240	-64408	-40875	SLE RA 12	-31.9	19240	-64408	-40875	SLE RA 12	-436.5	Si
496	19667	-36952	-40767	SLE RA 12	-28.8	19667	-36952	-40767	SLE RA 12	-406.6	Si
525	20095	-9497	-40658	SLE RA 12	-25.8	20095	-9497	-40658	SLE RA 12	-376.6	Si
554	16080	21376	-40491	SLE RA 13	-26.7	20523	17959	-40549	SLE RA 12	-385.1	Si
583	19207	47103	-40382	SLE RA 13	-29.7	20950	45415	-40440	SLE RA 12	-413.9	Si
612	22333	72830	-40274	SLE RA 13	-32.7	22333	72830	-40274	SLE RA 13	-442.9	Si
641	25459	98556	-40165	SLE RA 13	-35.7	25459	98556	-40165	SLE RA 13	-472	Si
670	28586	124283	-40056	SLE RA 13	-38.7	28586	124283	-40056	SLE RA 13	-501.1	Si
690	-31476	-104753	-28328	SLE RA 12	-30	-31476	-104753	-28328	SLE RA 12	-381.5	Si
719	-33947	-87185	-28219	SLE RA 12	-28.2	-33947	-87185	-28219	SLE RA 12	-363.8	Si
748	-36418	-69618	-28111	SLE RA 12	-26.3	-36418	-69618	-28111	SLE RA 12	-346	Si
777	-38889	-52051	-28002	SLE RA 12	-24.5	-38889	-52051	-28002	SLE RA 12	-328.3	Si
806	-41360	-34483	-27893	SLE RA 12	-22.7	-41360	-34483	-27893	SLE RA 12	-310.6	Si
835	-43831	-16916	-27784	SLE RA 12	-20.8	-43831	-16916	-27784	SLE RA 12	-292.9	Si
864	-46302	651	-27676	SLE RA 12	-19.1	-46302	651	-27676	SLE RA 12	-276.5	Si
893	-48773	18219	-27567	SLE RA 12	-21.2	-48773	18219	-27567	SLE RA 12	-296.4	Si
922	-51244	35786	-27458	SLE RA 12	-23.2	-51244	35786	-27458	SLE RA 12	-316.2	Si
951	-53715	53353	-27349	SLE RA 12	-25.3	-53715	53353	-27349	SLE RA 12	-336.1	Si
980	-56186	70921	-27241	SLE RA 12	-27.3	-56186	70921	-27241	SLE RA 12	-355.9	Si
1000	38577	-82312	-19661	SLE RA 12	-23	38577	-82312	-19661	SLE RA 12	-288.6	Si
1029	35806	-62981	-19553	SLE RA 12	-20.6	35806	-62981	-19553	SLE RA 12	-264.7	Si
1058	33035	-43650	-19444	SLE RA 12	-18.3	33035	-43650	-19444	SLE RA 12	-240.9	Si
1087	30264	-24320	-19335	SLE RA 12	-15.9	30264	-24320	-19335	SLE RA 12	-217	Si
1116	27493	-4989	-19226	SLE RA 12	-13.5	27493	-4989	-19226	SLE RA 12	-193.2	Si
1145	24978	14492	-19091	SLE RA 13	-14.3	24978	14492	-19091	SLE RA 13	-200.1	Si
1174	22444	33696	-18982	SLE RA 13	-16.2	22444	33696	-18982	SLE RA 13	-217.7	Si
1203	19910	52900	-18873	SLE RA 13	-18.1	19910	52900	-18873	SLE RA 13	-235.2	Si
1232	17376	72105	-18764	SLE RA 13	-19.9	17376	72105	-18764	SLE RA 13	-252.8	Si
1261	14842	91309	-18656	SLE RA 13	-21.8	14842	91309	-18656	SLE RA 13	-270.3	Si
1290	12307	110513	-18547	SLE RA 13	-23.7	12307	110513	-18547	SLE RA 13	-287.9	Si
1310	-32689	-134127	-6705	SLE RA 10	-20.9	-32689	-134127	-6705	SLE RA 10	-227.6	Si
1339	-39642	-110280	-6597	SLE RA 10	-18.7	-39642	-110280	-6597	SLE RA 10	-206.9	Si
1368	-46129	-86615	-6517	SLE RA 12	-16.5	-46129	-86615	-6517	SLE RA 12	-186	Si
1397	-53401	-62707	-6408	SLE RA 12	-14.3	-53401	-62707	-6408	SLE RA 12	-165.4	Si
1426	-60674	-38798	-6299	SLE RA 12	-12.1	-60674	-38798	-6299	SLE RA 12	-144.8	Si
1455	-67947	-14890	-6191	SLE RA 12	-9.9	-67947	-14890	-6191	SLE RA 12	-124.2	Si
1484	-75220	9018	-6082	SLE RA 12	-9.6	-75220	9018	-6082	SLE RA 12	-122.8	Si
1513	-82493	32926	-5973	SLE RA 12	-12.7	-82493	32926	-5973	SLE RA 12	-153.3	Si
1542	-89765	56834	-5864	SLE RA 12	-15.8	-89765	56834	-5864	SLE RA 12	-183.9	Si
1571	-97038	80742	-5756	SLE RA 12	-18.9	-97038	80742	-5756	SLE RA 12	-214.4	Si
1600	-104311	104650	-5647	SLE RA 12	-30.3	-104311	104650	-5647	SLE RA 12	391.6	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	87452	114366	-45094	SLE QP 2	-44.5	Si
-111	79065	107205	-44985	SLE QP 2	-43.1	Si
-81	70533	99920	-44875	SLE QP 2	-41.7	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
-52	62000	92635	-44765	SLE QP 2	-40.2	Si
-22	53468	85351	-44654	SLE QP 2	-38.7	Si
7	44936	78066	-44544	SLE QP 2	-37.3	Si
36	36403	70781	-44434	SLE QP 2	-35.8	Si
66	27871	63497	-44324	SLE QP 2	-34.4	Si
95	19339	56212	-44213	SLE QP 2	-32.9	Si
125	10721	48854	-44102	SLE QP 2	-31.5	Si
154	2274	41642	-43993	SLE QP 2	-30	Si
184	-6258	34358	-43882	SLE QP 2	-29.4	Si
213	-14663	27182	-43774	SLE QP 2	-29.2	Si
242	-23323	19788	-43662	SLE QP 2	-28.9	Si
272	-31855	12504	-43552	SLE QP 2	-28.6	Si
301	-40388	5219	-43441	SLE QP 2	-28.3	Si
331	-48920	-2066	-43331	SLE QP 2	-28.5	Si
360	-57307	-9227	-43222	SLE QP 2	-29.8	Si
380	18033	-130914	-36416	SLE QP 2	-36.6	Si
409	17949	-106954	-36307	SLE QP 2	-33.9	Si
438	17865	-82994	-36198	SLE QP 2	-31.2	Si
467	17781	-59034	-36089	SLE QP 2	-28.5	Si
496	17696	-35074	-35981	SLE QP 2	-25.8	Si
525	17612	-11114	-35872	SLE QP 2	-23	Si
554	17528	12846	-35763	SLE QP 2	-23.2	Si
583	17444	36806	-35654	SLE QP 2	-25.7	Si
612	17359	60766	-35546	SLE QP 2	-28.3	Si
641	17275	84726	-35437	SLE QP 2	-30.9	Si
670	17191	108686	-35328	SLE QP 2	-33.5	Si
690	-28050	-87059	-24951	SLE QP 2	-25.9	Si
719	-29842	-72149	-24843	SLE QP 2	-24.3	Si
748	-31635	-57240	-24734	SLE QP 2	-22.7	Si
777	-33428	-42331	-24625	SLE QP 2	-21.1	Si
806	-35221	-27422	-24516	SLE QP 2	-19.5	Si
835	-37014	-12513	-24408	SLE QP 2	-17.9	Si
864	-38806	2396	-24299	SLE QP 2	-16.9	Si
893	-40599	17306	-24190	SLE QP 2	-18.6	Si
922	-42392	32215	-24081	SLE QP 2	-20.3	Si
951	-44185	47124	-23973	SLE QP 2	-22	Si
980	-45977	62033	-23864	SLE QP 2	-23.7	Si
1000	32249	-72885	-16958	SLE QP 2	-20	Si
1029	30004	-55947	-16849	SLE QP 2	-17.9	Si
1058	27760	-39009	-16740	SLE QP 2	-15.8	Si
1087	25515	-22071	-16632	SLE QP 2	-13.7	Si
1116	23271	-5133	-16523	SLE QP 2	-11.7	Si
1145	21026	11806	-16414	SLE QP 2	-12.2	Si
1174	18781	28744	-16305	SLE QP 2	-13.8	Si
1203	16537	45682	-16197	SLE QP 2	-15.5	Si
1232	14292	62620	-16088	SLE QP 2	-17.1	Si
1261	12048	79558	-15979	SLE QP 2	-18.8	Si
1290	9803	96496	-15870	SLE QP 2	-20.5	Si
1310	-25472	-108774	-5457	SLE QP 2	-16.9	Si
1339	-31170	-90253	-5348	SLE QP 2	-15.2	Si
1368	-36869	-71731	-5240	SLE QP 2	-13.5	Si
1397	-42567	-53210	-5131	SLE QP 2	-11.7	Si
1426	-48266	-34689	-5022	SLE QP 2	-10	Si
1455	-53964	-16167	-4913	SLE QP 2	-8.3	Si
1484	-59663	2354	-4805	SLE QP 2	-7.1	Si
1513	-65362	20876	-4696	SLE QP 2	-9.5	Si
1542	-71060	39397	-4587	SLE QP 2	-11.9	Si
1571	-76759	57918	-4478	SLE QP 2	-14.2	Si
1600	-82457	76440	-4370	SLE QP 2	-15.8	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

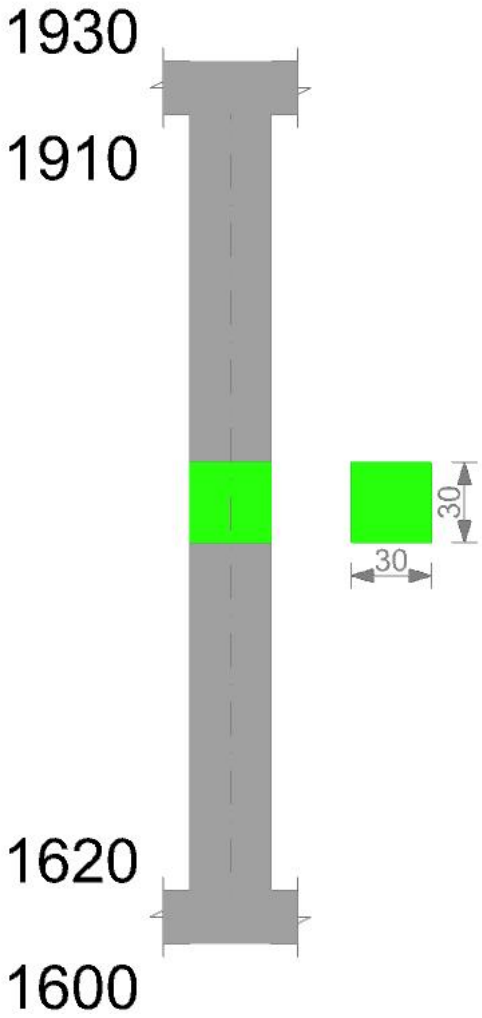
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 990 in quanto nodo interno a piastra.

Pilastro G1

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1620	1910	R 30x30 1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-9.67	1.6	2.011	1610	1620	R 30x30 1	B450C
p.1	9.67	-9.67	1.6	2.011	1610	1620	R 30x30 1	B450C
p.1	9.67	9.67	1.6	2.011	1610	1620	R 30x30 1	B450C
p.1	-9.67	9.67	1.6	2.011	1610	1620	R 30x30 1	B450C
p.2	-9.67	-9.67	1.6	2.011	1620	1910	R 30x30 1	B450C
p.2	9.67	-9.67	1.6	2.011	1620	1910	R 30x30 1	B450C
p.2	9.67	9.67	1.6	2.011	1620	1910	R 30x30 1	B450C
p.2	-9.67	9.67	1.6	2.011	1620	1910	R 30x30 1	B450C
p.3	-9.9	0	1.6	2.011	1600	1620	R 30x30 1	B450C
p.3	9.9	0	1.6	2.011	1600	1620	R 30x30 1	B450C
p.4	-9.9	0	1.6	2.011	1620.1	1930	R 30x30 1	B450C
p.4	9.9	0	1.6	2.011	1620.1	1930	R 30x30 1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1620	12.06	2.2	0	1,2,3	-147298	163054	-3948	-420151	465093	SLU 49	2.852	Si
1649	12.06	2.7	0	1,2,3,4	-134950	146748	-3865	-427690	465081	SLU 49	3.169	Si
1678	12.06	1.3	0	2,4	-122385	130156	-3780	-437058	464808	SLU 49	3.571	Si
1707	12.06	1.3	0	2,4	-109820	113564	-3695	-448649	463940	SLU 49	4.085	Si
1736	12.06	1.3	0	2,4	-99343	97723	-3998	-472325	464624	SLU 51	4.754	Si
1765	12.06	1.3	0	2,4	-87953	80659	-3913	-497573	456307	SLU 51	5.657	Si
1794	12.06	1.3	0	2,4	-76531	63902	-3845	-531984	444193	SLU 52	6.951	Si
1823	12.06	1.3	0	2,4	-65555	46559	-3761	-579324	411453	SLU 52	8.837	Si
1852	12.06	1.3	0	2,4	-58982	23928	-3938	-701973	284782	SLU 48	11.901	Si
1881	12.06	1.3	0	2,4	-50629	7707	-3853	-815119	124079	SLU 48	16.1	Si
1910	13.56	1.8	0	2,4	-44805	-13875	-3056	-761631	-235848	SLU 31	16.999	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1620	12.06	2.2	0	1,2,3	-230724	248163	-2557	-2.02	1.92	-281583	302867	SLV 15	1.22				Si
1649	12.06	2.7	0	1,2,3,4	-200264	212277	-2493	-2.02	1.92	-286004	303161	SLV 15	1.428				Si
1678	12.06	1.3	0	2,4	-169250	175789	-2428	-2.02	1.92	-292546	303849	SLV 15	1.728				Si
1707	12.06	1.3	0	2,4	-138200	49325	-2362	-2.02	1.92	-411622	146910	SLV 15	2.978				Si
1736	12.06	1.3	0	2,4	-117978	7071	-1908	-2.02	1.92	-468655	28090	SLV 13	3.972				Si
1765	12.06	1.3	0	2,4	-83491	22275	-1843	-2.02	1.92	-450738	120252	SLV 13	5.399				Si
1794	12.06	1.3	0	2,4	-53949	28362	-1566	-2.02	1.92	-421845	221771	SLV 9	7.819				Si
1823	12.06	1.3	0	2,4	-63532	58158	-2402	-2.02	1.92	-368286	337138	SLV 1	5.797				Si
1852	12.06	1.3	0	2,4	-85144	74189	-2337	-2.02	1.92	-348328	303513	SLV 1	4.091				Si
1881	12.06	1.3	0	2,4	-107281	90475	-2271	-2.02	1.92	-336941	284159	SLV 1	3.141				Si
1910	13.56	1.8	0	2,4	-129592	106838	-2206	-2.02	1.92	-345840	285116	SLV 1	2.669				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1620	12.06	2.2	0	1,2,3	-140209	157364	-2642	-290192	325698	SLD 15	2.07	Si
1649	12.06	2.7	0	1,2,3,4	-124394	136928	-2578	-296666	326559	SLD 15	2.385	Si
1678	12.06	1.3	0	2,4	-108294	116145	-2512	-305887	328063	SLD 15	2.825	Si
1707	12.06	1.3	0	2,4	-92181	58342	-2447	-390645	247241	SLD 15	4.238	Si
1736	12.06	1.3	0	2,4	-76041	48480	-2382	-405877	258767	SLD 15	5.338	Si
1765	12.06	1.3	0	2,4	-62990	35664	-2162	-432782	245035	SLD 13	6.871	Si
1794	12.06	1.3	0	2,4	-47444	32288	-2017	-435766	296563	SLD 9	9.185	Si
1823	12.06	1.3	0	2,4	-47755	38309	-2317	-422558	338982	SLD 1	8.849	Si
1852	12.06	1.3	0	2,4	-52775	38829	-2252	-422951	311185	SLD 1	8.014	Si
1881	12.06	1.3	0	2,4	-58006	39460	-2187	-418501	284694	SLD 1	7.215	Si
1910	13.56	1.8	0	2,4	-63303	40124	-2121	-429962	272526	SLD 1	6.792	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1620	2X/2Y Ø8/10	-598	-4353	SLU 52	4325	21158	21346	2.4	35.38	433	-3948	SLU 49	4247	20959	21092	2.4	48.37	Si
1649	2X/2Y Ø8/10	-598	-4270	SLU 52	4315	21158	21335	2.4	35.38	433	-3865	SLU 49	4237	20959	21081	2.4	48.37	Si
1678	2X/2Y Ø8/10	-598	-4185	SLU 52	4304	21158	21323	2.4	35.38	433	-3780	SLU 49	4226	20959	21070	2.4	48.37	Si
1707	2X/2Y Ø8/14.4	-598	-4100	SLU 52	4294	15258	20700	2.5	25.51	433	-3695	SLU 49	4216	15114	20453	2.5	34.88	Si
1736	2X/2Y Ø8/14.4	-598	-4015	SLU 52	4283	15258	20689	2.5	25.51	433	-3611	SLU 49	4205	15114	20443	2.5	34.88	Si
1765	2X/2Y Ø8/14.4	-598	-3930	SLU 52	4273	15258	20678	2.5	25.51	433	-3526	SLU 49	4195	15114	20432	2.5	34.88	Si
1794	2X/2Y Ø8/14.4	-598	-3845	SLU 52	4262	15258	20667	2.5	25.51	433	-3441	SLU 49	4185	15114	20421	2.5	34.88	Si
1823	2X/2Y Ø8/14.4	-598	-3761	SLU 52	4251	15258	20656	2.5	25.51	433	-3356	SLU 49	4174	15114	20410	2.5	34.88	Si
1852	2X/2Y Ø8/10	-598	-3676	SLU 52	4241	21158	21256	2.4	35.38	433	-3271	SLU 49	4164	20959	21003	2.4	48.37	Si
1881	2X/2Y Ø8/10	-598	-3591	SLU 52	4230	21158	21245	2.4	35.38	433	-3186	SLU 49	4153	20959	20992	2.4	48.37	Si
1910	2X/2Y Ø8/10	-598	-3506	SLU 52	4220	21158	21233	2.4	35.38	433	-3102	SLU 49	4143	20959	20980	2.4	48.37	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1620	2X/2Y Ø8/10	-1431	-3252	SLV 11	4188	21158	21200	2.4	14.78	1207	-2557	SLV 15	4076	20522	21219	2.35	17	Si
1649	2X/2Y Ø8/10	-1431	-3187	SLV 11	4180	21158	21191	2.4	14.78	1207	-2493	SLV 15	4068	20522	21210	2.35	17	Si
1678	2X/2Y Ø8/10	-1431	-3122	SLV 11	4172	21158	21183	2.4	14.78	1207	-2428	SLV 15	4060	20522	21202	2.35	17	Si
1707	2X/2Y Ø8/14.4	-1431	-3057	SLV 11	4164	15258	20565	2.5	10.66	1207	-2362	SLV 15	4052	15114	20283	2.5	12.52	Si
1736	2X/2Y Ø8/14.4	-1431	-2992	SLV 11	4156	15258	20557	2.5	10.66	1207	-2297	SLV 15	4044	15114	20275	2.5	12.52	Si
1765	2X/2Y Ø8/14.4	-1431	-2926	SLV 11	4148	15258	20549	2.5	10.66	1207	-2232	SLV 15	4035	15114	20267	2.5	12.52	Si
1794	2X/2Y Ø8/14.4	-1431	-2861	SLV 11	4139	15258	20540	2.5	10.66	1207	-2167	SLV 15	4027	15114	20258	2.5	12.52	Si
1823	2X/2Y Ø8/14.4	-1431	-2796	SLV 11	4131	15258	20532	2.5	10.66	1207	-2101	SLV 15	4019	15114	20250	2.5	12.52	Si
1852	2X/2Y Ø8/10	-1431	-2731	SLV 11	4123	20717	21444	2.35	14.47	1207	-2036	SLV 15	4011	20522	21149	2.35	17	Si
1881	2X/2Y Ø8/10	-1431	-2665	SLV 11	4115	20717	21435	2.35	14.47	1207	-1971	SLV 15	4003	20522	21141	2.35	17	Si
1910	2X/2Y Ø8/10	-1431	-2600	SLV 11	4107	20717	21426	2.35	14.47	1207	-1906	SLV 15	3995	20522	21132	2.35	17	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1620	2X/2Y Ø8/10	-782	-2922	SLD 11	4147	22039	20548	2.5	26.27	616	-2642	SLD 15	4086	21832	20319	2.5	32.96	Si
1649	2X/2Y Ø8/10	-782	-2858	SLD 11	4139	22039	20540	2.5	26.26	616	-2578	SLD 15	4078	21832	20311	2.5	32.95	Si
1678	2X/2Y Ø8/10	-782	-2792	SLD 11	4131	22039	20531	2.5	26.25	616	-2512	SLD 15	4070	21832	20302	2.5	32.94	Si
1707	2X/2Y Ø8/14.4	-782	-2727	SLD 11	4123	15258	20523	2.5	19.51	616	-2447	SLD 15	4062	15114	20294	2.5	24.52	Si
1736	2X/2Y Ø8/14.4	-782	-2662	SLD 11	4115	15258	20515	2.5	19.51	616	-2382	SLD 15	4054	15114	20286	2.5	24.52	Si
1765	2X/2Y Ø8/14.4	-782	-2597	SLD 11	4107	15258	20506	2.5	19.51	616	-2317	SLD 15	4046	15114	20277	2.5	24.52	Si
1794	2X/2Y Ø8/14.4	-782	-2531	SLD 11	4098	15258	20498	2.5	19.51	616	-2251	SLD 15	4038	15114	20269	2.5	24.52	Si
1823	2X/2Y Ø8/14.4	-782	-2466	SLD 11	4090	15258	20489	2.5	19.51	616	-2186	SLD 15	4030	15114	20261	2.5	24.52	Si
1852	2X/2Y Ø8/10	-782	-2401	SLD 11	4082	22039	20481	2.5	26.18	616	-2121	SLD 15	4022	21832	20252	2.5	32.86	Si
1881	2X/2Y Ø8/10	-782	-2336	SLD 11	4074	22039	20473	2.5	26.17	616	-2056	SLD 15	4014	21832	20244	2.5	32.84	Si
1910	2X/2Y Ø8/10	-782	-2270	SLD 11	4066	22039	20464	2.5	26.16	616	-1990	SLD 15	4006	21832	20236	2.5	32.83	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1620	-102204	117349	-2902	SLE RA 10	-76.4	-102204	117349	-2902	SLE RA 10	1283	Si
1649	-93845	105526	-2838	SLE RA 10	-69.3	-93845	105526	-2838	SLE RA 10	1148.1	Si
1678	-85163	94626	-3031	SLE RA 12	-62	-85339	93496	-2773	SLE RA 10	1010	Si
1707	-77441	82281	-2966	SLE RA 12	-54.9	-76833	81466	-2707	SLE RA 10	872.8	Si
1736	-69718	69937	-2901	SLE RA 12	-47.8	-68327	69435	-2642	SLE RA 10	735.9	Si
1765	-61698	57982	-2847	SLE RA 13	-40.7	-59820	57405	-2577	SLE RA 10	599.8	Si
1794	-54251	45451	-2781	SLE RA 13	-33.6	-54273	45247	-2770	SLE RA 12	466.5	Si
1823	-46804	32921	-2716	SLE RA 13	-17.3	-46804	32921	-2716	SLE RA 13	-180.2	Si
1852	-42293	16865	-2826	SLE RA 9	-13.7	-42293	16865	-2826	SLE RA 9	-145.9	Si
1881	-36594	4866	-2761	SLE RA 9	-10.4	-36594	4866	-2761	SLE RA 9	-114	Si
1910	-31687	-9645	-2501	SLE RA 5	-9.9	-31687	-9645	-2501	SLE RA 5	-108.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1620	-80525	95131	-2707	SLE QP 2	-60.6	Si
1649	-74377	85248	-2643	SLE QP 2	-55	Si
1678	-68122	75192	-2578	SLE QP 2	-49.3	Si
1707	-61867	65136	-2513	SLE QP 2	-43.5	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
1736	-55612	55079	-2447	SLE QP 2	-37.8	Si
1765	-49357	45023	-2382	SLE QP 2	-32	Si
1794	-43102	34967	-2317	SLE QP 2	-16.5	Si
1823	-36846	24911	-2252	SLE QP 2	-13.5	Si
1852	-30591	14854	-2186	SLE QP 2	-10.5	Si
1881	-24336	4798	-2121	SLE QP 2	-7.4	Si
1910	-18420	-6335	-1972	SLE QP 1	-6.4	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1620	-86719	101479	-2763	SLE FR 6	-79895	93493	93493	1072.1	364.7	0.0221	35.26	0.011	Si	Si
1649	-79939	91042	-2699										No	Si
1678	-73041	80422	-2634										No	Si
1707	-66143	69801	-2568										No	Si
1736	-59245	59181	-2503										No	Si
1765	-52346	48561	-2438										No	Si
1794	-45448	37941	-2373										No	Si
1823	-38550	27320	-2307										No	Si
1852	-31651	16700	-2242										No	Si
1881	-24753	6080	-2177										No	Si
1910	-20857	-6890	-2076										No	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1620	-80525	95131	-2707	SLE QP 2	-79818	94296	94296	987.8	363.5	0.0221	35.22	0.0101	Si	Si
1649	-74377	85248	-2643										No	Si
1678	-68122	75192	-2578										No	Si
1707	-61867	65136	-2513										No	Si
1736	-55612	55079	-2447										No	Si
1765	-49357	45023	-2382										No	Si
1794	-43102	34967	-2317										No	Si
1823	-36846	24911	-2252										No	Si
1852	-30591	14854	-2186										No	Si
1881	-24336	4798	-2121										No	Si
1910	-18420	-6335	-1972										No	Si

Verifiche nodi trave colonna

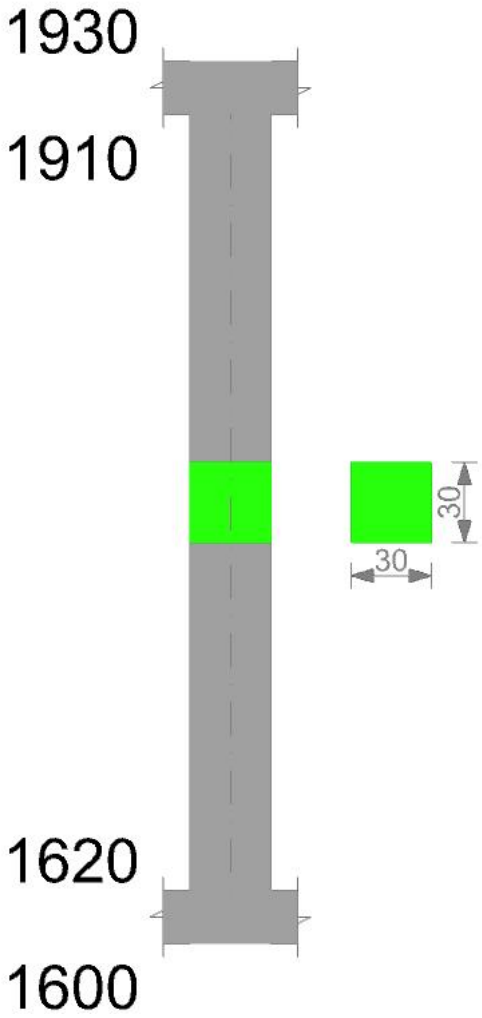
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto elemento di base della pilastrata.

Pilastro G2

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1620	1910	R 30x30 1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-9.67	1.6	2.011	1610	1620	R 30x30 1	B450C
p.1	9.67	-9.67	1.6	2.011	1610	1620	R 30x30 1	B450C
p.1	9.67	9.67	1.6	2.011	1610	1620	R 30x30 1	B450C
p.1	-9.67	9.67	1.6	2.011	1610	1620	R 30x30 1	B450C
p.2	-9.67	-9.67	1.6	2.011	1620	1910	R 30x30 1	B450C
p.2	9.67	-9.67	1.6	2.011	1620	1910	R 30x30 1	B450C
p.2	9.67	9.67	1.6	2.011	1620	1910	R 30x30 1	B450C
p.2	-9.67	9.67	1.6	2.011	1620	1910	R 30x30 1	B450C
p.3	-9.9	0	1.6	2.011	1600	1620	R 30x30 1	B450C
p.3	9.9	0	1.6	2.011	1600	1620	R 30x30 1	B450C
p.4	-9.9	0	1.6	2.011	1620.1	1930	R 30x30 1	B450C
p.4	9.9	0	1.6	2.011	1620.1	1930	R 30x30 1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1620	12.06	2.2	0	1,2,3	-282932	-190495	-13795	-577936	-389118	SLU 49	2.043	Si
1649	12.06	2.7	0	1,2,3,4	-264466	-165347	-14495	-603392	-377248	SLU 51	2.282	Si
1678	12.06	1.3	0	2,4	-247458	-134562	-14410	-636603	-346171	SLU 51	2.573	Si
1707	12.06	1.3	0	2,4	-230451	-103778	-14325	-677269	-304991	SLU 51	2.939	Si
1736	12.06	1.3	0	2,4	-213443	-72993	-14241	-727349	-248738	SLU 51	3.408	Si
1765	12.06	1.3	0	2,4	-196436	-42208	-14156	-786030	-168895	SLU 51	4.001	Si
1794	12.06	1.3	0	2,4	-179785	-28198	-14099	-815604	-127923	SLU 52	4.537	Si
1823	12.06	1.3	0	2,4	-163142	28029	-14014	-808173	138848	SLU 52	4.954	Si
1852	12.06	1.3	0	2,4	-149211	49838	-13741	-748425	249982	SLU 48	5.016	Si
1881	12.06	1.3	0	2,4	-136343	78794	-13656	-664229	383861	SLU 48	4.872	Si
1910	13.56	1.8	0	2,4	-123476	107749	-13571	-584759	510280	SLU 48	4.736	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1620	12.06	2.2	0	1,2,3	-95325	-316351	-8263	-2.02	1.92	-163471	-542501	SLV 5	1.715				Si
1649	12.06	2.7	0	1,2,3,4	-252293	47711	-7896	-2.02	1.92	-514860	97364	SLV 15	2.041				Si
1678	12.06	1.3	0	2,4	-219425	31626	-7831	-2.02	1.92	-552201	79589	SLV 15	2.517				Si
1707	12.06	1.3	0	2,4	-132150	-115262	-7790	-2.02	1.92	-414193	-361263	SLV 9	3.134				Si
1736	12.06	1.3	0	2,4	-125751	-71723	-7725	-2.02	1.92	-490839	-279955	SLV 9	3.903				Si
1765	12.06	1.3	0	2,4	-121593	-25014	-7497	-2.02	1.92	-614181	-126347	SLV 13	5.051				Si
1794	12.06	1.3	0	2,4	-114104	20974	-8357	-2.02	1.92	-627052	115260	SLV 1	5.495				Si
1823	12.06	1.3	0	2,4	-126982	70929	-8292	-2.02	1.92	-496409	277281	SLV 1	3.909				Si
1852	12.06	1.3	0	2,4	-140289	120893	-8227	-2.02	1.92	-416287	358732	SLV 1	2.967				Si
1881	12.06	1.3	0	2,4	-153677	170860	-8162	-2.02	1.92	-365172	406003	SLV 1	2.376				Si
1910	13.56	1.8	0	2,4	-167092	220828	-8096	-2.02	1.92	-334600	442205	SLV 1	2.002				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1620	12.06	2.2	0	1,2,3	-160483	-161940	-8203	-381933	-385400	SLD 9	2.38	Si
1649	12.06	2.7	0	1,2,3,4	-150498	-134924	-8139	-406345	-364293	SLD 9	2.7	Si
1678	12.06	1.3	0	2,4	-140326	-107433	-8074	-437445	-334906	SLD 9	3.117	Si
1707	12.06	1.3	0	2,4	-130130	-79943	-8009	-478594	-294016	SLD 9	3.678	Si
1736	12.06	1.3	0	2,4	-122100	-52452	-7943	-535751	-230148	SLD 9	4.388	Si
1765	12.06	1.3	0	2,4	-114808	-23710	-7811	-616454	-127307	SLD 13	5.369	Si
1794	12.06	1.3	0	2,4	-105935	4960	-8125	-681071	31888	SLD 1	6.429	Si
1823	12.06	1.3	0	2,4	-105298	35285	-8060	-573421	192149	SLD 1	5.446	Si
1852	12.06	1.3	0	2,4	-104855	65613	-7994	-483680	302666	SLD 1	4.613	Si
1881	12.06	1.3	0	2,4	-104445	95943	-7929	-412832	379227	SLD 1	3.953	Si
1910	13.56	1.8	0	2,4	-104047	126273	-7864	-365416	443475	SLD 1	3.512	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1620	2X/2Y Ø8/10	1062	-14578	SLU 51	5598	22039	22049	2.5	20.76	646	-13795	SLU 49	5462	21395	22060	2.45	33.1	Si
1649	2X/2Y Ø8/10	1062	-14495	SLU 51	5588	21598	22361	2.45	20.35	646	-13712	SLU 49	5451	21395	22049	2.45	33.1	Si
1678	2X/2Y Ø8/10	1062	-14410	SLU 51	5577	21598	22350	2.45	20.35	646	-13627	SLU 49	5441	21395	22038	2.45	33.1	Si
1707	2X/2Y Ø8/14.4	1062	-14325	SLU 51	5567	15258	22017	2.5	14.37	646	-13542	SLU 49	5430	15114	21710	2.5	23.38	Si
1736	2X/2Y Ø8/14.4	1062	-14241	SLU 51	5556	15258	22006	2.5	14.37	646	-13458	SLU 49	5420	15114	21699	2.5	23.38	Si
1765	2X/2Y Ø8/14.4	1062	-14156	SLU 51	5546	15258	21995	2.5	14.37	646	-13373	SLU 49	5409	15114	21688	2.5	23.38	Si
1794	2X/2Y Ø8/14.4	1062	-14071	SLU 51	5535	15258	21984	2.5	14.37	646	-13288	SLU 49	5399	15114	21677	2.5	23.38	Si
1823	2X/2Y Ø8/14.4	1062	-13986	SLU 51	5524	15258	21973	2.5	14.37	646	-13203	SLU 49	5389	15114	21666	2.5	23.38	Si
1852	2X/2Y Ø8/10	1062	-13901	SLU 51	5514	21598	22284	2.45	20.35	646	-13118	SLU 49	5378	21395	21973	2.45	33.1	Si
1881	2X/2Y Ø8/10	1062	-13816	SLU 51	5503	21598	22272	2.45	20.35	646	-13033	SLU 49	5368	21395	21962	2.45	33.1	Si
1910	2X/2Y Ø8/10	1062	-13732	SLU 51	5493	21598	22261	2.45	20.35	646	-12949	SLU 49	5357	21395	21951	2.45	33.1	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1620	2X/2Y Ø8/10	1977	-8263	SLV 5	4812	21158	21864	2.4	10.7	1135	-7960	SLV 15	4742	20959	21619	2.4	18.47	Si
1649	2X/2Y Ø8/10	1977	-8199	SLV 5	4804	21158	21856	2.4	10.7	1135	-7896	SLV 15	4734	20959	21610	2.4	18.47	Si
1678	2X/2Y Ø8/10	1977	-8133	SLV 5	4796	21158	21847	2.4	10.7	1135	-7831	SLV 15	4726	20959	21602	2.4	18.47	Si
1707	2X/2Y Ø8/14.4	1977	-8068	SLV 5	4788	15258	21211	2.5	7.72	1135	-7765	SLV 15	4718	15114	20973	2.5	13.32	Si
1736	2X/2Y Ø8/14.4	1977	-8003	SLV 5	4780	15258	21202	2.5	7.72	1135	-7700	SLV 15	4710	15114	20964	2.5	13.32	Si
1765	2X/2Y Ø8/14.4	1977	-7938	SLV 5	4771	15258	21194	2.5	7.72	1135	-7635	SLV 15	4702	15114	20956	2.5	13.32	Si
1794	2X/2Y Ø8/14.4	1977	-7872	SLV 5	4763	15258	21186	2.5	7.72	1135	-7570	SLV 15	4694	15114	20948	2.5	13.32	Si
1823	2X/2Y Ø8/14.4	1977	-7807	SLV 5	4755	15258	21177	2.5	7.72	1135	-7504	SLV 15	4686	15114	20939	2.5	13.32	Si
1852	2X/2Y Ø8/10	1977	-7742	SLV 5	4747	21158	21795	2.4	10.7	1135	-7439	SLV 15	4678	20959	21550	2.4	18.47	Si
1881	2X/2Y Ø8/10	1977	-7677	SLV 5	4739	21158	21786	2.4	10.7	1135	-7374	SLV 15	4670	20959	21542	2.4	18.47	Si
1910	2X/2Y Ø8/10	1977	-7611	SLV 5	4731	21158	21778	2.4	10.7	1135	-7309	SLV 15	4662	20959	21533	2.4	18.47	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1620	2X/2Y Ø8/10	1142	-8317	SLD 5	4819	22039	21243	2.5	18.6	658	-8193	SLD 15	4771	21832	21027	2.5	31.98	Si
1649	2X/2Y Ø8/10	1142	-8253	SLD 5	4811	22039	21235	2.5	18.59	658	-8128	SLD 15	4763	21832	21019	2.5	31.97	Si
1678	2X/2Y Ø8/10	1142	-8188	SLD 5	4803	22039	21226	2.5	18.59	658	-8063	SLD 15	4755	21832	21011	2.5	31.95	Si
1707	2X/2Y Ø8/14.4	1142	-8122	SLD 5	4794	15258	21218	2.5	13.36	658	-7998	SLD 15	4747	15114	21002	2.5	22.99	Si
1736	2X/2Y Ø8/14.4	1142	-8057	SLD 5	4786	15258	21209	2.5	13.36	658	-7933	SLD 15	4739	15114	20994	2.5	22.99	Si
1765	2X/2Y Ø8/14.4	1142	-7992	SLD 5	4778	15258	21201	2.5	13.36	658	-7867	SLD 15	4731	15114	20986	2.5	22.99	Si
1794	2X/2Y Ø8/14.4	1142	-7927	SLD 5	4770	15258	21193	2.5	13.36	658	-7802	SLD 15	4722	15114	20977	2.5	22.99	Si
1823	2X/2Y Ø8/14.4	1142	-7861	SLD 5	4762	15258	21184	2.5	13.36	658	-7737	SLD 15	4714	15114	20969	2.5	22.99	Si
1852	2X/2Y Ø8/10	1142	-7796	SLD 5	4754	22039	21176	2.5	18.54	658	-7672	SLD 15	4706	21832	20961	2.5	31.88	Si
1881	2X/2Y Ø8/10	1142	-7731	SLD 5	4746	22039	21167	2.5	18.54	658	-7606	SLD 15	4698	21832	20952	2.5	31.87	Si
1910	2X/2Y Ø8/10	1142	-7666	SLD 5	4738	22039	21159	2.5	18.53	658	-7541	SLD 15	4690	21832	20944	2.5	31.85	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1620	-197368	-137927	-10388	SLE RA 12	-112.8	-198536	-134523	-9866	SLE RA 10	1568.7	Si
1649	-185838	-116592	-10324	SLE RA 12	-101.3	-185867	-113928	-9802	SLE RA 10	1360.6	Si
1678	-174107	-94883	-10258	SLE RA 12	-89.5	-172975	-92972	-9736	SLE RA 10	1152.2	Si
1707	-162376	-73174	-10193	SLE RA 12	-77.9	-160084	-72015	-9671	SLE RA 10	949.1	Si
1736	-150644	-51465	-10128	SLE RA 12	-66.5	-147192	-51059	-9606	SLE RA 10	752.9	Si
1765	-138913	-29755	-10063	SLE RA 12	-55.3	-138913	-29755	-10063	SLE RA 12	566.3	Si
1794	-127419	-8309	-10016	SLE RA 13	-44.7	-127419	-8309	-10016	SLE RA 13	-438.4	Si
1823	-115222	14678	-9825	SLE RA 9	-42.2	-115222	14678	-9825	SLE RA 9	-422.8	Si
1852	-106250	35168	-9760	SLE RA 9	-44.7	-106250	35168	-9760	SLE RA 9	-452	Si
1881	-97279	55657	-9694	SLE RA 9	-47.3	-97279	55657	-9694	SLE RA 9	-479.3	Si
1910	-88307	76147	-9629	SLE RA 9	-49.8	-88307	76147	-9629	SLE RA 9	-501.3	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1620	-158605	-107241	-8354	SLE QP 2	-89.5	Si
1649	-149047	-90592	-8290	SLE QP 2	-80.2	Si
1678	-139321	-73651	-8225	SLE QP 2	-70.9	Si
1707	-129595	-56710	-8159	SLE QP 2	-61.6	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
1736	-119869	-39769	-8094	SLE QP 2	-52.5	Si
1765	-110143	-22828	-8029	SLE QP 2	-43.6	Si
1794	-100416	-5887	-7964	SLE QP 2	-27.5	Si
1823	-90690	11054	-7898	SLE QP 2	-26.5	Si
1852	-80964	27996	-7833	SLE QP 2	-27.6	Si
1881	-71238	44937	-7768	SLE QP 2	-35.4	Si
1910	-61512	61878	-7703	SLE QP 2	-36.7	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1620	-170014	-115036	-8786	SLE FR 6	-112088	-75842	-75842	1312.9	141.9	0.0425	28.3	0.0108	Si	Si
1649	-159567	-97260	-8722	SLE FR 6	-118707	-72354	-72354	1139	142.9	0.0422	28.71	0.0095	Si	Si
1678	-148936	-79171	-8656	SLE FR 6	-127460	-67755	-67755	965	145.1	0.0416	27.72	0.0078	Si	Si
1707	-138306	-61083	-8591										No	Si
1736	-127675	-42995	-8526										No	Si
1765	-117045	-24906	-8461										No	Si
1794	-106414	-6818	-8395										No	Si
1823	-95784	11270	-8330										No	Si
1852	-85154	29359	-8265										No	Si
1881	-74939	46280	-7977										No	Si
1910	-65676	63522	-7911										No	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1620	-158605	-107241	-8354	SLE QP 2	-112518	-76079	-76079	1210.6	140.9	0.0428	28.26	0.01	Si	Si
1649	-149047	-90592	-8290	SLE QP 2	-119280	-72500	-72500	1050.4	141.8	0.0425	28.66	0.0088	Si	Si
1678	-139321	-73651	-8225	SLE QP 2	-128216	-67781	-67781	890.3	144.2	0.0418	27.67	0.0072	Si	Si
1707	-129595	-56710	-8159										No	Si
1736	-119869	-39769	-8094										No	Si
1765	-110143	-22828	-8029										No	Si
1794	-100416	-5887	-7964										No	Si
1823	-90690	11054	-7898										No	Si
1852	-80964	27996	-7833										No	Si
1881	-71238	44937	-7768										No	Si
1910	-61512	61878	-7703										No	Si

Verifiche nodi trave colonna

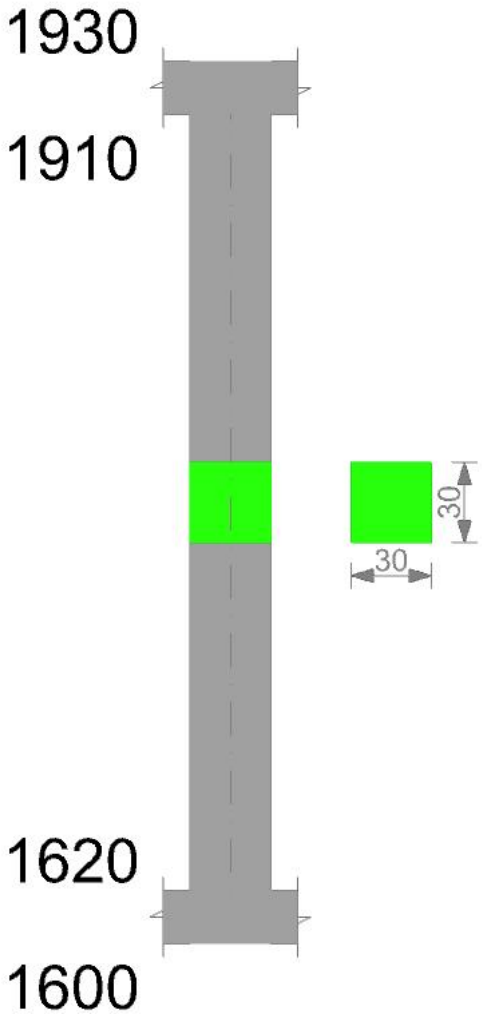
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto elemento di base della pilastrata.

Pilastro G3

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1620	1910	R 30x30 1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-9.67	1.6	2.011	1610	1620	R 30x30 1	B450C
p.1	9.67	-9.67	1.6	2.011	1610	1620	R 30x30 1	B450C
p.1	9.67	9.67	1.6	2.011	1610	1620	R 30x30 1	B450C
p.1	-9.67	9.67	1.6	2.011	1610	1620	R 30x30 1	B450C
p.2	-9.67	-9.67	1.6	2.011	1620	1910	R 30x30 1	B450C
p.2	9.67	-9.67	1.6	2.011	1620	1910	R 30x30 1	B450C
p.2	9.67	9.67	1.6	2.011	1620	1910	R 30x30 1	B450C
p.2	-9.67	9.67	1.6	2.011	1620	1910	R 30x30 1	B450C
p.3	-9.9	0	1.6	2.011	1600	1620	R 30x30 1	B450C
p.3	9.9	0	1.6	2.011	1600	1620	R 30x30 1	B450C
p.4	-9.9	0	1.6	2.011	1620.1	1930	R 30x30 1	B450C
p.4	9.9	0	1.6	2.011	1620.1	1930	R 30x30 1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1620	12.06	2.2	0	1,2,3	-90104	48532	-1570	-528027	284407	SLU 49	5.86	Si
1649	12.06	2.7	0	1,2,3,4	-90142	38119	-1487	-550649	232856	SLU 49	6.109	Si
1678	12.06	1.3	0	2,4	-90180	27523	-1402	-573055	174897	SLU 49	6.355	Si
1707	12.06	1.3	0	2,4	-90219	16927	-1317	-592306	111131	SLU 49	6.565	Si
1736	12.06	1.3	0	2,4	-92803	5125	-1471	-616912	34071	SLU 51	6.648	Si
1765	12.06	1.3	0	2,4	-94211	-4869	-1361	-608697	-31459	SLU 52	6.461	Si
1794	12.06	1.3	0	2,4	-96048	-15800	-1276	-589422	-96961	SLU 52	6.137	Si
1823	12.06	1.3	0	2,4	-97886	-26731	-1191	-564078	-154041	SLU 52	5.763	Si
1852	12.06	1.3	0	2,4	-99724	-37662	-1106	-538251	-203279	SLU 52	5.397	Si
1881	12.06	1.3	0	2,4	-105664	-44886	-1294	-533464	-226615	SLU 48	5.049	Si
1910	13.56	1.8	0	2,4	-109056	-54537	-1209	-550143	-275120	SLU 48	5.045	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1620	12.06	2.2	0	1,2,3	-162253	189284	-530	-2.02	1.92	-257772	300717	SLV 15	1.589				Si
1649	12.06	2.7	0	1,2,3,4	-145897	158001	-466	-2.02	1.92	-266672	288795	SLV 15	1.828				Si
1678	12.06	1.3	0	2,4	-129382	126171	-400	-2.02	1.92	-278941	272019	SLV 15	2.156				Si
1707	12.06	1.3	0	2,4	-113091	94349	-335	-2.02	1.92	-296008	246952	SLV 15	2.617				Si
1736	12.06	1.3	0	2,4	-97220	62541	-270	-2.02	1.92	-320799	206368	SLV 15	3.3				Si
1765	12.06	1.3	0	2,4	-82244	30786	-205	-2.02	1.92	-359008	134387	SLV 15	4.365				Si
1794	12.06	1.3	0	2,4	-70299	2230	51	-2.02	1.92	-401837	12749	SLV 11	5.716				Si
1823	12.06	1.3	0	2,4	-74189	-37280	-176	-2.02	1.92	-339679	-170689	SLV 7	4.579				Si
1852	12.06	1.3	0	2,4	-81551	-67964	-111	-2.02	1.92	-292757	-243983	SLV 7	3.59				Si
1881	12.06	1.3	0	2,4	-64366	-114840	246	-2.02	1.92	-196645	-350846	SLV 11	3.055				Si
1910	13.56	1.8	0	2,4	-63855	-153673	312	-2.02	1.92	-177138	-426299	SLV 11	2.774				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1620	12.06	2.2	0	1,2,3	-96890	90558	-958	-297405	277967	SLD 15	3.07	Si
1649	12.06	2.7	0	1,2,3,4	-90441	74687	-894	-312229	257842	SLD 15	3.452	Si
1678	12.06	1.3	0	2,4	-83927	58540	-829	-331100	230944	SLD 15	3.945	Si
1707	12.06	1.3	0	2,4	-77501	42395	-763	-354068	193684	SLD 15	4.569	Si
1736	12.06	1.3	0	2,4	-71249	26257	-698	-383393	141292	SLD 15	5.381	Si
1765	12.06	1.3	0	2,4	-65383	10143	-633	-421278	65357	SLD 15	6.443	Si
1794	12.06	1.3	0	2,4	-60806	-4706	-496	-429438	-33237	SLD 11	7.062	Si
1823	12.06	1.3	0	2,4	-62753	-23827	-549	-377968	-143515	SLD 7	6.023	Si
1852	12.06	1.3	0	2,4	-66129	-39281	-483	-339625	-201737	SLD 7	5.136	Si
1881	12.06	1.3	0	2,4	-69951	-49376	-418	-320016	-225890	SLD 7	4.575	Si
1910	13.56	1.8	0	2,4	-73948	-63789	-353	-319395	-275519	SLD 7	4.319	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1620	2X/2Y Ø8/10	-378	-1545	SLU 50	3976	20717	21284	2.35	54.78	-164	-2006	SLU 31	4008	20522	21145	2.35	125.26	Si
1649	2X/2Y Ø8/10	-378	-1462	SLU 50	3965	20717	21273	2.35	54.78	-164	-1923	SLU 31	3997	20522	21134	2.35	125.26	Si
1678	2X/2Y Ø8/10	-378	-1377	SLU 50	3955	20717	21262	2.35	54.78	-164	-1838	SLU 31	3987	20522	21123	2.35	125.26	Si
1707	2X/2Y Ø8/14.4	-378	-1292	SLU 50	3944	15258	20338	2.5	40.34	-164	-1753	SLU 31	3976	15114	20206	2.5	92.25	Si
1736	2X/2Y Ø8/14.4	-378	-1207	SLU 50	3934	15258	20327	2.5	40.34	-164	-1669	SLU 31	3966	15114	20195	2.5	92.25	Si
1765	2X/2Y Ø8/14.4	-378	-1122	SLU 50	3923	15258	20316	2.5	40.34	-164	-1584	SLU 31	3956	15114	20184	2.5	92.25	Si
1794	2X/2Y Ø8/14.4	-378	-1038	SLU 50	3912	15258	20305	2.5	40.34	-164	-1499	SLU 31	3945	15114	20173	2.5	92.25	Si
1823	2X/2Y Ø8/14.4	-378	-953	SLU 50	3902	15258	20294	2.5	40.34	-164	-1414	SLU 31	3935	15114	20162	2.5	92.25	Si
1852	2X/2Y Ø8/10	-378	-868	SLU 50	3891	20717	21193	2.35	54.78	-164	-1329	SLU 31	3924	20522	21055	2.35	125.26	Si
1881	2X/2Y Ø8/10	-378	-783	SLU 50	3881	20717	21182	2.35	54.78	-164	-1244	SLU 31	3914	20522	21044	2.35	125.26	Si
1910	2X/2Y Ø8/10	-378	-698	SLU 50	3870	20717	21170	2.35	54.78	-164	-1160	SLU 31	3903	20522	21033	2.35	125.26	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1620	2X/2Y Ø8/10	-1339	-340	SLV 11	3826	20717	21122	2.35	15.47	-609	-1958	SLV 1	4002	20522	21139	2.35	33.7	Si
1649	2X/2Y Ø8/10	-1339	-276	SLV 11	3818	20717	21113	2.35	15.47	-609	-1894	SLV 1	3994	20522	21130	2.35	33.7	Si
1678	2X/2Y Ø8/10	-1339	-210	SLV 11	3809	20717	21105	2.35	15.47	-609	-1829	SLV 1	3986	20522	21122	2.35	33.7	Si
1707	2X/2Y Ø8/14.4	-1339	-145	SLV 11	3801	15258	20190	2.5	11.39	-609	-1764	SLV 1	3978	15114	20207	2.5	24.82	Si
1736	2X/2Y Ø8/14.4	-1339	-80	SLV 11	3793	15258	20182	2.5	11.39	-609	-1698	SLV 1	3970	15114	20199	2.5	24.82	Si
1765	2X/2Y Ø8/14.4	-1339	-15	SLV 11	3785	15258	20174	2.5	11.39	-609	-1633	SLV 1	3962	15114	20190	2.5	24.82	Si
1794	2X/2Y Ø8/14.4	-1339	51	SLV 11	3783	15258	20172	2.5	11.39	-609	-1568	SLV 1	3954	15114	20182	2.5	24.82	Si
1823	2X/2Y Ø8/14.4	-1339	116	SLV 11	3783	15258	20172	2.5	11.39	-609	-1503	SLV 1	3946	15114	20174	2.5	24.82	Si
1852	2X/2Y Ø8/10	-1339	181	SLV 11	3783	20717	21076	2.35	15.47	-609	-1437	SLV 1	3937	20522	21070	2.35	33.7	Si
1881	2X/2Y Ø8/10	-1339	246	SLV 11	3783	20717	21076	2.35	15.47	-609	-1372	SLV 1	3929	20522	21061	2.35	33.7	Si
1910	2X/2Y Ø8/10	-1339	312	SLV 11	3783	20717	21076	2.35	15.47	-609	-1307	SLV 1	3921	20522	21052	2.35	33.7	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1620	2X/2Y Ø8/10	-649	-886	SLD 11	3894	22039	20286	2.5	31.27	-255	-1530	SLD 1	3949	21832	20177	2.5	79.04	Si
1649	2X/2Y Ø8/10	-649	-822	SLD 11	3886	22039	20278	2.5	31.26	-255	-1466	SLD 1	3941	21832	20169	2.5	79.01	Si
1678	2X/2Y Ø8/10	-649	-757	SLD 11	3877	22039	20269	2.5	31.25	-255	-1400	SLD 1	3933	21832	20161	2.5	78.98	Si
1707	2X/2Y Ø8/14.4	-649	-692	SLD 11	3869	15258	20261	2.5	23.52	-255	-1335	SLD 1	3925	15114	20152	2.5	59.21	Si
1736	2X/2Y Ø8/14.4	-649	-627	SLD 11	3861	15258	20252	2.5	23.52	-255	-1270	SLD 1	3917	15114	20144	2.5	59.21	Si
1765	2X/2Y Ø8/14.4	-649	-561	SLD 11	3853	15258	20244	2.5	23.52	-255	-1205	SLD 1	3909	15114	20136	2.5	59.21	Si
1794	2X/2Y Ø8/14.4	-649	-496	SLD 11	3845	15258	20236	2.5	23.52	-255	-1139	SLD 1	3901	15114	20127	2.5	59.21	Si
1823	2X/2Y Ø8/14.4	-649	-431	SLD 11	3837	15258	20227	2.5	23.52	-255	-1074	SLD 1	3893	15114	20119	2.5	59.21	Si
1852	2X/2Y Ø8/10	-649	-366	SLD 11	3829	22039	20219	2.5	31.17	-255	-1009	SLD 1	3885	21832	20111	2.5	78.78	Si
1881	2X/2Y Ø8/10	-649	-300	SLD 11	3821	22039	20210	2.5	31.16	-255	-944	SLD 1	3877	21832	20102	2.5	78.75	Si
1910	2X/2Y Ø8/10	-649	-235	SLD 11	3812	22039	20202	2.5	31.14	-255	-878	SLD 1	3869	21832	20094	2.5	78.72	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1620	-61214	35215	-1174	SLE RA 11	-34.2	-62230	33602	-1191	SLE RA 10	626	Si
1649	-61712	27685	-1110	SLE RA 11	-31.7	-62548	26315	-1127	SLE RA 10	601.3	Si
1678	-62219	20022	-1045	SLE RA 11	-29.1	-62219	20022	-1045	SLE RA 11	578	Si
1707	-63406	11530	-1139	SLE RA 13	-15.2	-63406	11530	-1139	SLE RA 13	-152.2	Si
1736	-64929	3893	-1073	SLE RA 13	-14	-64929	3893	-1073	SLE RA 13	-141.1	Si
1765	-65149	-5062	-1206	SLE RA 8	-14.4	-65149	-5062	-1206	SLE RA 8	-145.3	Si
1794	-67896	-11511	-959	SLE RA 12	-28	-67976	-11383	-943	SLE RA 13	606.4	Si
1823	-69499	-19021	-878	SLE RA 13	-31.4	-69499	-19021	-878	SLE RA 13	658.8	Si
1852	-71022	-26659	-812	SLE RA 13	-34.9	-71022	-26659	-812	SLE RA 13	712.9	Si
1881	-72545	-34297	-747	SLE RA 13	-38.2	-72545	-34297	-747	SLE RA 13	768.7	Si
1910	-77839	-38610	-864	SLE RA 9	-40.2	-77839	-38610	-864	SLE RA 9	774.4	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1620	-52391	23595	-1244	SLE QP 2	-15.3	Si
1649	-52753	18208	-1180	SLE QP 2	-14.4	Si
1678	-53122	12726	-1115	SLE QP 2	-13.4	Si
1707	-53490	7245	-1049	SLE QP 2	-12.4	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
1736	-53859	1763	-984	SLE QP 2	-11.5	Si
1765	-54227	-3719	-919	SLE QP 2	-11.8	Si
1794	-54596	-9201	-854	SLE QP 2	-12.8	Si
1823	-54964	-14682	-788	SLE QP 2	-13.8	Si
1852	-55333	-20164	-723	SLE QP 2	-14.8	Si
1881	-55701	-25646	-658	SLE QP 2	-29.1	Si
1910	-56070	-31128	-593	SLE QP 2	-30.1	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

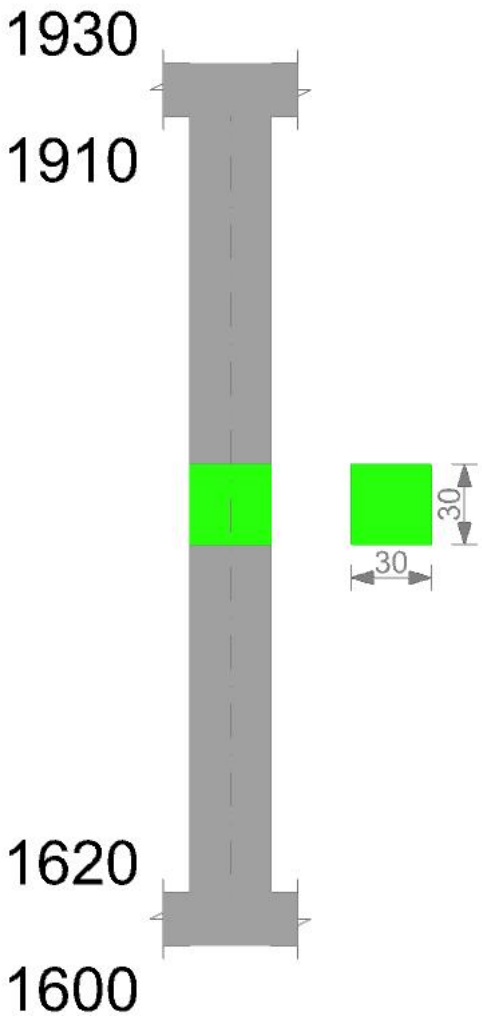
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto elemento di base della pilastrata.

Pilastro G4

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1620	1910	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-9.67	1.6	2.011	1610	1620	R 30x30_1	B450C
p.1	9.67	-9.67	1.6	2.011	1610	1620	R 30x30_1	B450C
p.1	9.67	9.67	1.6	2.011	1610	1620	R 30x30_1	B450C
p.1	-9.67	9.67	1.6	2.011	1610	1620	R 30x30_1	B450C
p.2	-9.67	-9.67	1.6	2.011	1620	1910	R 30x30_1	B450C
p.2	9.67	-9.67	1.6	2.011	1620	1910	R 30x30_1	B450C
p.2	9.67	9.67	1.6	2.011	1620	1910	R 30x30_1	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.2	-9.67	9.67	1.6	2.011	1620	1910	R 30x30_1	B450C
p.3	-9.9	0	1.6	2.011	1600	1620	R 30x30_1	B450C
p.3	9.9	0	1.6	2.011	1600	1620	R 30x30_1	B450C
p.4	-9.9	0	1.6	2.011	1620.1	1930	R 30x30_1	B450C
p.4	9.9	0	1.6	2.011	1620.1	1930	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1620	12.06	2.2	0	1,2,3	-189863	-298666	-9926	-366578	-576649	SLU 51	1.931	Si
1649	12.06	2.7	0	1,2,3,4	-154785	-263923	-9841	-357074	-608845	SLU 51	2.307	Si
1678	12.06	1.3	0	2,4	-119706	-229180	-9756	-342206	-655160	SLU 51	2.859	Si
1707	12.06	1.3	0	2,4	-84628	-194436	-9672	-313187	-719564	SLU 51	3.701	Si
1736	12.06	1.3	0	2,4	-49549	-159693	-9587	-255252	-822662	SLU 51	5.152	Si
1765	12.06	1.3	0	2,4	-19034	-125140	-9517	-140901	-926352	SLU 52	7.403	Si
1794	12.06	1.3	0	2,4	20608	-90207	-9417	192567	-842911	SLU 51	9.344	Si
1823	12.06	1.3	0	2,4	55687	-55464	-9332	528130	-526014	SLU 51	9.484	Si
1852	12.06	1.3	0	2,4	90765	-20721	-9247	778623	-177749	SLU 51	8.578	Si
1881	12.06	1.3	0	2,4	125844	18325	-9163	814410	118594	SLU 51	6.472	Si
1910	13.56	1.8	0	2,4	160923	48766	-9078	747333	226471	SLU 51	4.644	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1620	12.06	2.2	0	1,2,3	-277616	-108250	-5630	-2.02	1.92	-417164	-162663	SLV 3	1.503				Si
1649	12.06	2.7	0	1,2,3,4	77706	-293378	-6599	-2.02	1.92	142176	-536785	SLV 15	1.83				Si
1678	12.06	1.3	0	2,4	60850	-243498	-6534	-2.02	1.92	141920	-567911	SLV 15	2.332				Si
1707	12.06	1.3	0	2,4	43998	-193632	-6469	-2.02	1.92	140856	-619901	SLV 15	3.201				Si
1736	12.06	1.3	0	2,4	27158	-143800	-6403	-2.02	1.92	130308	-689971	SLV 15	4.798				Si
1765	12.06	1.3	0	2,4	10485	-94164	-6338	-2.02	1.92	82000	-736433	SLV 15	7.821				Si
1794	12.06	1.3	0	2,4	31166	-41178	-5239	-2.02	1.92	359918	-475530	SLV 3	11.548				Si
1823	12.06	1.3	0	2,4	87596	6362	-5173	-2.02	1.92	668354	48542	SLV 3	7.63				Si
1852	12.06	1.3	0	2,4	129345	-74558	-4633	-2.02	1.92	436071	-251364	SLV 1	3.371				Si
1881	12.06	1.3	0	2,4	180222	-84148	-4568	-2.02	1.92	420580	-196374	SLV 1	2.334				Si
1910	13.56	1.8	0	2,4	232001	-93761	-4503	-2.02	1.92	427908	-172935	SLV 1	1.844				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1620	12.06	2.2	0	1,2,3	-106479	-235792	-6185	-219374	-485791	SLD 7	2.06	Si
1649	12.06	2.7	0	1,2,3,4	-86768	-204428	-6119	-217858	-513279	SLD 7	2.511	Si
1678	12.06	1.3	0	2,4	-67056	-173065	-6054	-214981	-554847	SLD 7	3.206	Si
1707	12.06	1.3	0	2,4	-47339	-141701	-5989	-202815	-607087	SLD 7	4.284	Si
1736	12.06	1.3	0	2,4	-27610	-110337	-5924	-164131	-655901	SLD 7	5.945	Si
1765	12.06	1.3	0	2,4	-3654	-83499	-5991	-33941	-775535	SLD 11	9.288	Si
1794	12.06	1.3	0	2,4	19854	-46016	-5399	250333	-580188	SLD 3	12.609	Si
1823	12.06	1.3	0	2,4	50439	-23622	-5129	540210	-252995	SLD 1	10.71	Si
1852	12.06	1.3	0	2,4	82593	-37776	-5063	524765	-240011	SLD 1	6.354	Si
1881	12.06	1.3	0	2,4	114746	-30753	-4998	559182	-149868	SLD 1	4.873	Si
1910	13.56	1.8	0	2,4	158080	11063	-5138	579172	40534	SLD 3	3.664	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1620	2X/2Y Ø8/10	1204	-9941	SLU 52	5021	21598	21766	2.45	17.93	1210	-9926	SLU 51	4984	21395	21559	2.45	17.69	Si
1649	2X/2Y Ø8/10	1204	-9856	SLU 52	5010	21598	21755	2.45	17.93	1210	-9841	SLU 51	4974	21395	21548	2.45	17.69	Si
1678	2X/2Y Ø8/10	1204	-9772	SLU 52	5000	21598	21744	2.45	17.93	1210	-9756	SLU 51	4963	21395	21537	2.45	17.69	Si
1707	2X/2Y Ø8/14.4	1204	-9687	SLU 52	4989	15258	21419	2.5	12.67	1210	-9672	SLU 51	4953	15114	21216	2.5	12.5	Si
1736	2X/2Y Ø8/14.4	1204	-9602	SLU 52	4979	15258	21408	2.5	12.67	1210	-9587	SLU 51	4943	15114	21205	2.5	12.5	Si
1765	2X/2Y Ø8/14.4	1204	-9517	SLU 52	4968	15258	21397	2.5	12.67	1210	-9502	SLU 51	4932	15114	21194	2.5	12.5	Si
1794	2X/2Y Ø8/14.4	1204	-9432	SLU 52	4958	15258	21387	2.5	12.67	1210	-9417	SLU 51	4922	15114	21183	2.5	12.5	Si
1823	2X/2Y Ø8/14.4	1204	-9347	SLU 52	4947	15258	21376	2.5	12.67	1210	-9332	SLU 51	4911	15114	21173	2.5	12.5	Si
1852	2X/2Y Ø8/10	1204	-9263	SLU 52	4936	21598	21677	2.45	17.93	1187	-8375	SLU 49	4793	20959	21673	2.4	17.66	Si
1881	2X/2Y Ø8/10	1204	-9178	SLU 52	4926	21598	21666	2.45	17.93	1187	-8290	SLU 49	4783	20959	21662	2.4	17.66	Si
1910	2X/2Y Ø8/10	1204	-9093	SLU 52	4915	21598	21655	2.45	17.93	1187	-8205	SLU 49	4772	20959	21651	2.4	17.66	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1620	2X/2Y Ø8/10	2000	-6857	SLV 11	4637	21158	21678	2.4	10.58	1949	-5155	SLV 1	4396	20959	21250	2.4	10.75	Si
1649	2X/2Y Ø8/10	2000	-6791	SLV 11	4629	21158	21669	2.4	10.58	1949	-5090	SLV 1	4388	20959	21242	2.4	10.75	Si
1678	2X/2Y Ø8/10	2000	-6726	SLV 11	4621	21158	21660	2.4	10.58	1949	-5025	SLV 1	4380	20959	21233	2.4	10.75	Si
1707	2X/2Y Ø8/14.4	2000	-6661	SLV 11	4613	15258	21030	2.5	7.63	1949	-4959	SLV 1	4372	15114	20615	2.5	7.75	Si
1736	2X/2Y Ø8/14.4	2000	-6596	SLV 11	4604	15258	21021	2.5	7.63	1949	-4894	SLV 1	4364	15114	20606	2.5	7.75	Si
1765	2X/2Y Ø8/14.4	2000	-6530	SLV 11	4596	15258	21013	2.5	7.63	1949	-4829	SLV 1	4356	15114	20598	2.5	7.75	Si
1794	2X/2Y Ø8/14.4	2000	-6465	SLV 11	4588	15258	21004	2.5	7.63	1949	-4764	SLV 1	4348	15114	20590	2.5	7.75	Si
1823	2X/2Y Ø8/14.4	2000	-6400	SLV 11	4580	15258	20996	2.5	7.63	1949	-4698	SLV 1	4340	15114	20581	2.5	7.75	Si
1852	2X/2Y Ø8/10	2000	-6335	SLV 11	4572	21158	21608	2.4	10.58	1949	-4633	SLV 1	4332	20959	21182	2.4	10.75	Si
1881	2X/2Y Ø8/10	2000	-6269	SLV 11	4564	21158	21600	2.4	10.58	1949	-4568	SLV 1	4324	20959	21173	2.4	10.75	Si
1910	2X/2Y Ø8/10	2000	-6204	SLV 11	4556	21158	21591	2.4	10.58	1949	-4503	SLV 1	4316	20959	21165	2.4	10.75	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1620	2X/2Y Ø8/10	1267	-6318	SLD 11	4570	22039	20985	2.5	16.57	1196	-5585	SLD 1	4449	21832	20694	2.5	17.31	Si
1649	2X/2Y Ø8/10	1267	-6252	SLD 11	4562	22039	20977	2.5	16.56	1196	-5520	SLD 1	4441	21832	20686	2.5	17.3	Si
1678	2X/2Y Ø8/10	1267	-6187	SLD 11	4554	22039	20969	2.5	16.55	1196	-5455	SLD 1	4433	21832	20678	2.5	17.3	Si
1707	2X/2Y Ø8/14.4	1267	-6122	SLD 11	4545	15258	20960	2.5	12.05	1196	-5390	SLD 1	4425	15114	20670	2.5	12.64	Si
1736	2X/2Y Ø8/14.4	1267	-6057	SLD 11	4537	15258	20952	2.5	12.05	1196	-5324	SLD 1	4417	15114	20661	2.5	12.64	Si
1765	2X/2Y Ø8/14.4	1267	-5991	SLD 11	4529	15258	20943	2.5	12.05	1196	-5259	SLD 1	4409	15114	20653	2.5	12.64	Si
1794	2X/2Y Ø8/14.4	1267	-5926	SLD 11	4521	15258	20935	2.5	12.05	1196	-5194	SLD 1	4401	15114	20645	2.5	12.64	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1823	2X/2Y Ø8/14.4	1267	-5861	SLD 11	4513	15258	20927	2.5	12.05	1196	-5129	SLD 1	4393	15114	20636	2.5	12.64	Si
1852	2X/2Y Ø8/10	1267	-5796	SLD 11	4505	22039	20918	2.5	16.51	1196	-5063	SLD 1	4385	21832	20628	2.5	17.25	Si
1881	2X/2Y Ø8/10	1267	-5730	SLD 11	4497	22039	20910	2.5	16.51	1196	-4998	SLD 1	4377	21832	20620	2.5	17.25	Si
1910	2X/2Y Ø8/10	1267	-5665	SLD 11	4489	22039	20901	2.5	16.5	1196	-4933	SLD 1	4369	21832	20611	2.5	17.24	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1620	-133047	-213591	-7142	SLE RA 12	-115.7	-133047	-213591	-7142	SLE RA 12	1768.5	Si
1649	-108450	-188648	-7077	SLE RA 12	-97.9	-107667	-182640	-6495	SLE RA 10	1439.2	Si
1678	-83852	-163706	-7012	SLE RA 12	-80.2	-83506	-158902	-6430	SLE RA 10	1123.3	Si
1707	-59254	-138763	-6946	SLE RA 12	-62.7	-59346	-135164	-6365	SLE RA 10	817.5	Si
1736	-34656	-113821	-6881	SLE RA 12	-45.6	-35186	-111426	-6299	SLE RA 10	526.3	Si
1765	-9902	-89005	-6826	SLE RA 13	-24	-9902	-89005	-6826	SLE RA 13	-265.3	Si
1794	14539	-63936	-6751	SLE RA 12	-20.3	14539	-63936	-6751	SLE RA 12	-229.9	Si
1823	39137	-38994	-6685	SLE RA 12	-20.5	39137	-38994	-6685	SLE RA 12	-231.6	Si
1852	63735	-14051	-6620	SLE RA 12	-20.8	63735	-14051	-6620	SLE RA 12	-233.2	Si
1881	85086	16083	-6858	SLE RA 8	-25.4	85086	16083	-6858	SLE RA 8	-279.3	Si
1910	112930	35834	-6490	SLE RA 12	-48.7	112930	35834	-6490	SLE RA 12	610.9	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1620	-106783	-170257	-5910	SLE QP 2	-92.3	Si
1649	-86952	-150127	-5844	SLE QP 2	-78	Si
1678	-67120	-129997	-5779	SLE QP 2	-63.7	Si
1707	-47288	-109866	-5714	SLE QP 2	-49.6	Si
1736	-27456	-89736	-5649	SLE QP 2	-35.9	Si
1765	-7625	-69606	-5583	SLE QP 2	-18.9	Si
1794	12207	-49476	-5518	SLE QP 2	-16.2	Si
1823	32039	-29345	-5453	SLE QP 2	-16.3	Si
1852	51871	-9215	-5388	SLE QP 2	-16.5	Si
1881	71703	10915	-5322	SLE QP 2	-20.5	Si
1910	91534	31045	-5257	SLE QP 2	-40.1	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1620	-113939	-180577	-6096	SLE FR 6	-69771	-110577	-110577	1499.9	144.9	0.0555	27.44	0.0122	Si	Si
1649	-92870	-159416	-6030	SLE FR 6	-67718	-116241	-116241	1218.2	143.4	0.0561	27.84	0.0099	Si	Si
1678	-71802	-138255	-5965	SLE FR 6	-64710	-124600	-124600	941.8	141.8	0.0425	28.4	0.0078	Si	Si
1707	-50733	-117094	-5900										No	Si
1736	-29665	-95933	-5835										No	Si
1765	-8596	-74772	-5769										No	Si
1794	12472	-53611	-5704										No	Si
1823	33541	-32450	-5639										No	Si
1852	54609	-11289	-5574										No	Si
1881	75678	9872	-5508										No	Si
1910	96746	31033	-5443										No	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1620	-106783	-170257	-5910	SLE QP 2	-69773	-111247	-111247	1395.6	144.2	0.0558	27.4	0.0111	Si	Si
1649	-86952	-150127	-5844	SLE QP 2	-67771	-117010	-117010	1130	142.5	0.0564	27.8	0.0091	Si	Si
1678	-67120	-129997	-5779	SLE QP 2	-64824	-125551	-125551	869.4	140.6	0.0429	28.33	0.0072	Si	Si
1707	-47288	-109866	-5714										No	Si
1736	-27456	-89736	-5649										No	Si
1765	-7625	-69606	-5583										No	Si
1794	12207	-49476	-5518										No	Si
1823	32039	-29345	-5453										No	Si
1852	51871	-9215	-5388										No	Si
1881	71703	10915	-5322										No	Si
1910	91534	31045	-5257										No	Si

Verifiche nodi trave colonna

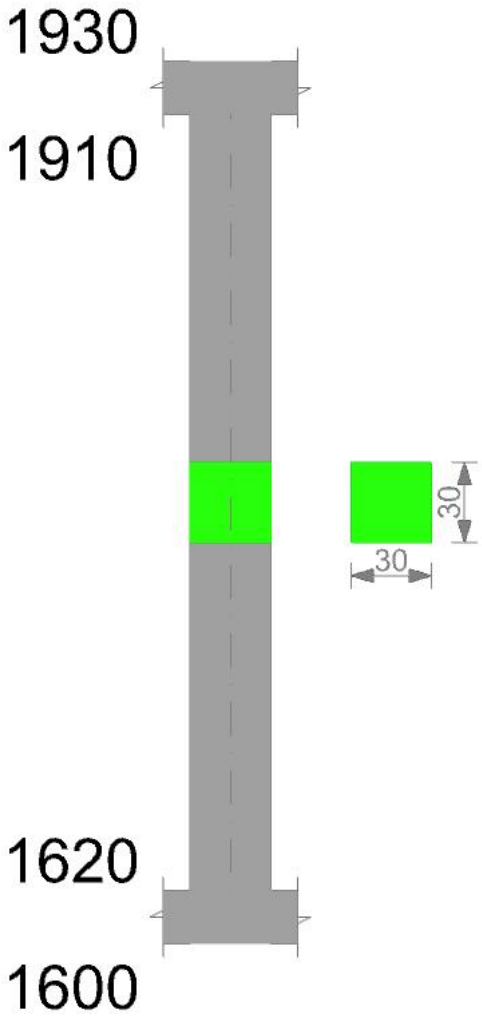
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto elemento di base della pilastrata.

Pilastro G5

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1620	1910	R 30x30 1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-9.67	1.6	2.011	1610	1620	R 30x30 1	B450C
p.1	9.67	-9.67	1.6	2.011	1610	1620	R 30x30 1	B450C
p.1	9.67	9.67	1.6	2.011	1610	1620	R 30x30 1	B450C
p.1	-9.67	9.67	1.6	2.011	1610	1620	R 30x30 1	B450C
p.2	-9.67	-9.67	1.6	2.011	1620	1910	R 30x30 1	B450C
p.2	9.67	-9.67	1.6	2.011	1620	1910	R 30x30 1	B450C
p.2	9.67	9.67	1.6	2.011	1620	1910	R 30x30 1	B450C
p.2	-9.67	9.67	1.6	2.011	1620	1910	R 30x30 1	B450C
p.3	-9.9	0	1.6	2.011	1600	1620	R 30x30 1	B450C
p.3	9.9	0	1.6	2.011	1600	1620	R 30x30 1	B450C
p.4	-9.9	0	1.6	2.011	1620.1	1930	R 30x30 1	B450C
p.4	9.9	0	1.6	2.011	1620.1	1930	R 30x30 1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1620	12.06	2.2	0	1,2,3	-162744	307959	-30205	-379085	717337	SLU 51	2.329	Si
1649	12.06	2.7	0	1,2,3,4	-129266	259835	-30121	-357113	717826	SLU 51	2.763	Si
1678	12.06	1.3	0	2,4	-95200	210866	-30036	-318159	704715	SLU 51	3.342	Si
1707	12.06	1.3	0	2,4	-61134	161897	-29951	-248708	658639	SLU 51	4.068	Si
1736	12.06	1.3	0	2,4	-59780	113021	-29890	-277680	524991	SLU 52	4.645	Si
1765	12.06	1.3	0	2,4	59610	64129	-29805	313179	336921	SLU 52	5.254	Si
1794	12.06	1.3	0	2,4	59440	59440	-29720	316346	316346	SLU 52	5.322	Si
1823	12.06	1.3	0	2,4	75130	-59224	-29612	385667	-304017	SLU 51	5.133	Si
1852	12.06	1.3	0	2,4	109196	-82947	-29527	485497	-368792	SLU 51	4.446	Si
1881	12.06	1.3	0	2,4	143262	-131916	-29443	517872	-476858	SLU 51	3.615	Si
1910	13.56	1.8	0	2,4	177328	-180885	-29358	532743	-543429	SLU 51	3.004	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1620	12.06	2.2	0	1,2,3	-160382	293681	-17430	-2.02	1.92	-285750	523245	SLV 5	1.782				Si
1649	12.06	2.7	0	1,2,3,4	-126500	241560	-17366	-2.02	1.92	-281721	537964	SLV 5	2.227				Si
1678	12.06	1.3	0	2,4	-92074	188554	-17301	-2.02	1.92	-272944	558951	SLV 5	2.964				Si
1707	12.06	1.3	0	2,4	-34261	159409	-17429	-2.02	1.92	-143580	668056	SLV 9	4.191				Si
1736	12.06	1.3	0	2,4	-15925	94792	-17364	-2.02	1.92	-100436	597841	SLV 9	6.307				Si
1765	12.06	1.3	0	2,4	-9876	48011	-17152	-2.02	1.92	-81734	397349	SLV 15	8.276				Si
1794	12.06	1.3	0	2,4	68258	-29338	-16613	-2.02	1.92	464292	-199554	SLV 1	6.802				Si
1823	12.06	1.3	0	2,4	81448	-77410	-16974	-2.02	1.92	410724	-390360	SLV 5	5.043				Si
1852	12.06	1.3	0	2,4	115867	-130386	-16909	-2.02	1.92	391791	-440885	SLV 5	3.381				Si
1881	12.06	1.3	0	2,4	150341	-183410	-16844	-2.02	1.92	368659	-449750	SLV 5	2.452				Si
1910	13.56	1.8	0	2,4	184839	-236454	-16779	-2.02	1.92	359731	-460184	SLV 5	1.946				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1620	12.06	2.2	0	1,2,3	-122497	226420	-17319	-288684	533596	SLD 5	2.357	Si
1649	12.06	2.7	0	1,2,3,4	-74666	210881	-17331	-216567	611651	SLD 9	2.9	Si
1678	12.06	1.3	0	2,4	-54937	166380	-17266	-205508	622398	SLD 9	3.741	Si
1707	12.06	1.3	0	2,4	-35232	121937	-17201	-177875	615621	SLD 9	5.049	Si
1736	12.06	1.3	0	2,4	-15620	77779	-17136	-108386	539704	SLD 9	6.939	Si
1765	12.06	1.3	0	2,4	7321	39284	-16760	65472	351308	SLD 7	8.943	Si
1794	12.06	1.3	0	2,4	42120	-8145	-16757	360951	-69802	SLD 1	8.57	Si
1823	12.06	1.3	0	2,4	59870	-44715	-16863	395634	-295488	SLD 5	6.608	Si
1852	12.06	1.3	0	2,4	85897	-83472	-16798	412076	-400440	SLD 5	4.797	Si
1881	12.06	1.3	0	2,4	111948	-122249	-16733	397889	-434502	SLD 5	3.554	Si
1910	13.56	1.8	0	2,4	138009	-161036	-16667	386117	-450540	SLD 5	2.798	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1620	2X/2Y Ø8/10	-1689	-30205	SLU 51	7544	22039	24062	2.5	13.05	1175	-30205	SLU 51	7485	21832	23835	2.5	18.59	Si
1649	2X/2Y Ø8/10	-1689	-30121	SLU 51	7533	22039	24051	2.5	13.05	1175	-30121	SLU 51	7475	21832	23825	2.5	18.59	Si
1678	2X/2Y Ø8/10	-1689	-30036	SLU 51	7523	22039	24040	2.5	13.05	1175	-30036	SLU 51	7465	21832	23814	2.5	18.59	Si
1707	2X/2Y Ø8/14.4	-1689	-29951	SLU 51	7512	15258	24029	2.5	9.04	1175	-29951	SLU 51	7454	15114	23803	2.5	12.87	Si
1736	2X/2Y Ø8/14.4	-1689	-29867	SLU 51	7502	15258	24018	2.5	9.04	1175	-29867	SLU 51	7444	15114	23792	2.5	12.87	Si
1765	2X/2Y Ø8/14.4	-1689	-29782	SLU 51	7491	15258	24007	2.5	9.04	1175	-29782	SLU 51	7433	15114	23781	2.5	12.87	Si
1794	2X/2Y Ø8/14.4	-1689	-29697	SLU 51	7481	15258	23996	2.5	9.04	1175	-29697	SLU 51	7423	15114	23771	2.5	12.87	Si
1823	2X/2Y Ø8/14.4	-1689	-29612	SLU 51	7470	15258	23986	2.5	9.04	1175	-29612	SLU 51	7412	15114	23760	2.5	12.87	Si
1852	2X/2Y Ø8/10	-1689	-29527	SLU 51	7459	22039	23975	2.5	13.05	1175	-29527	SLU 51	7402	21832	23749	2.5	18.59	Si
1881	2X/2Y Ø8/10	-1689	-29443	SLU 51	7449	22039	23964	2.5	13.05	1175	-29443	SLU 51	7391	21832	23738	2.5	18.59	Si
1910	2X/2Y Ø8/10	-1689	-29358	SLU 51	7438	22039	23953	2.5	13.05	1175	-29358	SLU 51	7381	21832	23727	2.5	18.59	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1620	2X/2Y Ø8/10	-2266	-17623	SLV 9	5977	22039	22441	2.5	9.73	1661	-17003	SLV 1	5857	21832	22151	2.5	13.14	Si
1649	2X/2Y Ø8/10	-2266	-17559	SLV 9	5969	22039	22433	2.5	9.73	1661	-16939	SLV 1	5849	21832	22143	2.5	13.14	Si
1678	2X/2Y Ø8/10	-2266	-17494	SLV 9	5961	22039	22425	2.5	9.73	1661	-16874	SLV 1	5841	21832	22135	2.5	13.14	Si
1707	2X/2Y Ø8/14.4	-2266	-17429	SLV 9	5953	15258	22416	2.5	6.73	1661	-16809	SLV 1	5833	15114	22126	2.5	9.1	Si
1736	2X/2Y Ø8/14.4	-2266	-17364	SLV 9	5945	15258	22408	2.5	6.73	1661	-16744	SLV 1	5825	15114	22118	2.5	9.1	Si
1765	2X/2Y Ø8/14.4	-2266	-17298	SLV 9	5937	15258	22400	2.5	6.73	1661	-16678	SLV 1	5817	15114	22110	2.5	9.1	Si
1794	2X/2Y Ø8/14.4	-2266	-17233	SLV 9	5929	15258	22391	2.5	6.73	1661	-16613	SLV 1	5809	15114	22101	2.5	9.1	Si
1823	2X/2Y Ø8/14.4	-2266	-17168	SLV 9	5921	15258	22383	2.5	6.73	1661	-16548	SLV 1	5801	15114	22093	2.5	9.1	Si
1852	2X/2Y Ø8/10	-2266	-17103	SLV 9	5913	22039	22374	2.5	9.73	1661	-16483	SLV 1	5793	21832	22085	2.5	13.14	Si
1881	2X/2Y Ø8/10	-2266	-17037	SLV 9	5904	22039	22366	2.5	9.73	1661	-16417	SLV 1	5785	21832	22076	2.5	13.14	Si
1910	2X/2Y Ø8/10	-2266	-16972	SLV 9	5896	22039	22358	2.5	9.73	1661	-16352	SLV 1	5777	21832	22068	2.5	13.14	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1620	2X/2Y Ø8/10	-1536	-17395	SLD 9	5949	22039	22412	2.5	14.35	1082	-17147	SLD 1	5875	21832	22170	2.5	20.17	Si
1649	2X/2Y Ø8/10	-1536	-17331	SLD 9	5941	22039	22404	2.5	14.35	1082	-17083	SLD 1	5867	21832	22161	2.5	20.17	Si
1678	2X/2Y Ø8/10	-1536	-17266	SLD 9	5933	22039	22395	2.5	14.35	1082	-17018	SLD 1	5859	21832	22153	2.5	20.17	Si
1707	2X/2Y Ø8/14.4	-1536	-17201	SLD 9	5925	15258	22387	2.5	9.93	1082	-16953	SLD 1	5851	15114	22145	2.5	13.97	Si
1736	2X/2Y Ø8/14.4	-1536	-17136	SLD 9	5917	15258	22379	2.5	9.93	1082	-16888	SLD 1	5843	15114	22136	2.5	13.97	Si
1765	2X/2Y Ø8/14.4	-1536	-17070	SLD 9	5908	15258	22370	2.5	9.93	1082	-16822	SLD 1	5835	15114	22128	2.5	13.97	Si
1794	2X/2Y Ø8/14.4	-1536	-17005	SLD 9	5900	15258	22362	2.5	9.93	1082	-16757	SLD 1	5827	15114	22120	2.5	13.97	Si
1823	2X/2Y Ø8/14.4	-1536	-16940	SLD 9	5892	15258	22353	2.5	9.93	1082	-16692	SLD 1	5819	15114	22111	2.5	13.97	Si
1852	2X/2Y Ø8/10	-1536	-16875	SLD 9	5884	22039	22345	2.5	14.35	1082	-16627	SLD 1	5811	21832	22103	2.5	20.17	Si
1881	2X/2Y Ø8/10	-1536	-16809	SLD 9	5876	22039	22337	2.5	14.35	1082	-16561	SLD 1	5803	21832	22095	2.5	20.17	Si
1910	2X/2Y Ø8/10	-1536	-16744	SLD 9	5868	22039	22328	2.5	14.35	1082	-16496	SLD 1	5795	21832	22086	2.5	20.17	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1620	-114623	217918	-21465	SLE RA 12	-98.8	-114623	217918	-21465	SLE RA 12	-1015.8	Si
1649	-91041	183857	-21401	SLE RA 12	-80.3	-91041	183857	-21401	SLE RA 12	-859.3	Si
1678	-67045	149198	-21335	SLE RA 12	-63.2	-67045	149198	-21335	SLE RA 12	-708.8	Si
1707	-43050	114539	-21270	SLE RA 12	-48.2	-43050	114539	-21270	SLE RA 12	-570.5	Si
1736	-19054	79880	-21205	SLE RA 12	-37.4	-19054	79880	-21205	SLE RA 12	-466.1	Si
1765	5022	45335	-21155	SLE RA 13	-28.6	5022	45335	-21155	SLE RA 13	-380.4	Si
1794	28796	10727	-21090	SLE RA 13	-26.9	28796	10727	-21090	SLE RA 13	-364	Si
1823	52933	-24096	-21009	SLE RA 12	-33.8	52933	-24096	-21009	SLE RA 12	-430.2	Si
1852	76929	-58755	-20944	SLE RA 12	-44.4	76929	-58755	-20944	SLE RA 12	-532.8	Si
1881	100924	-93414	-20879	SLE RA 12	-57.8	100924	-93414	-20879	SLE RA 12	-657.7	Si
1910	124920	-128073	-20813	SLE RA 12	-73.4	124920	-128073	-20813	SLE RA 12	-794.3	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1620	-94502	171013	-17240	SLE QP 2	-78.8	Si
1649	-74896	144211	-17176	SLE QP 2	-64	Si
1678	-54947	116939	-17111	SLE QP 2	-50.3	Si
1707	-34997	89668	-17045	SLE QP 2	-38.3	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
1736	-15048	62396	-16980	SLE QP 2	-29.6	Si
1765	4902	35124	-16915	SLE QP 2	-22.8	Si
1794	24852	7852	-16850	SLE QP 2	-21.7	Si
1823	44801	-19420	-16784	SLE QP 2	-27.5	Si
1852	64751	-46692	-16719	SLE QP 2	-36.1	Si
1881	84700	-73964	-16654	SLE QP 2	-47.1	Si
1910	104650	-101236	-16589	SLE QP 2	-59.9	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1620	-99935	182624	-18102	SLE FR 6	-84894	155137	155137	577.2	80.2	0.0752	25.91	0.0044	Si	Si
1649	-79310	154092	-18038										No	Si
1678	-58323	125059	-17973										No	Si
1707	-37336	96026	-17908										No	Si
1736	-13095	55500	-15687										No	Si
1765	5298	30869	-15622										No	Si
1794	23692	6239	-15557										No	Si
1823	42085	-18392	-15491										No	Si
1852	67599	-49139	-17581										No	Si
1881	88586	-78172	-17516										No	Si
1910	109573	-107205	-17451										No	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1620	-94502	171013	-17240	SLE QP 2	-85972	155578	155578	530	78.6	0.0767	25.86	0.004	Si	Si
1649	-74896	144211	-17176										No	Si
1678	-54947	116939	-17111										No	Si
1707	-34997	89668	-17045										No	Si
1736	-13095	55500	-15687										No	Si
1765	5298	30869	-15622										No	Si
1794	23692	6239	-15557										No	Si
1823	42085	-18392	-15491										No	Si
1852	64751	-46692	-16719										No	Si
1881	84700	-73964	-16654										No	Si
1910	104650	-101236	-16589										No	Si

Verifiche nodi trave colonna

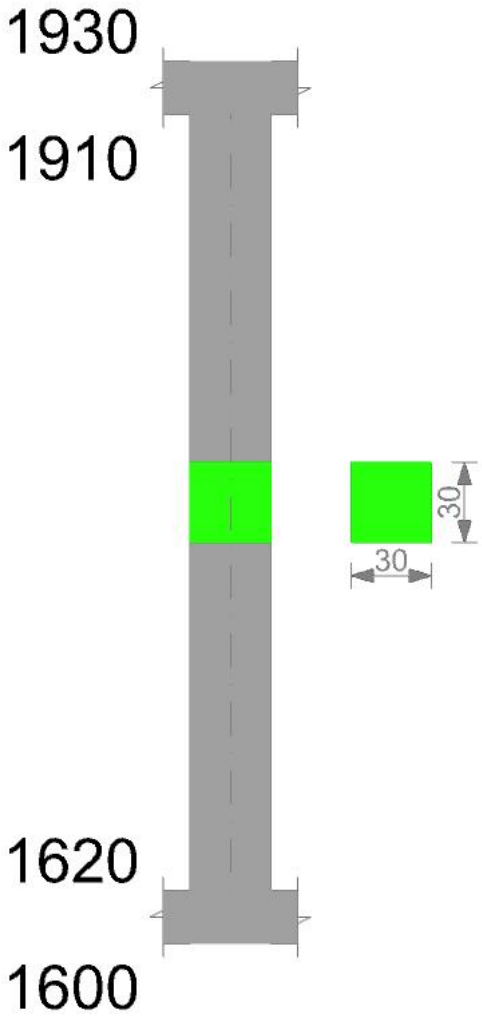
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto elemento di base della pilastrata.

Pilastro G6

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1620	1910	R 30x30 1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-9.67	1.6	2.011	1610	1620	R 30x30 1	B450C
p.1	9.67	-9.67	1.6	2.011	1610	1620	R 30x30 1	B450C
p.1	9.67	9.67	1.6	2.011	1610	1620	R 30x30 1	B450C
p.1	-9.67	9.67	1.6	2.011	1610	1620	R 30x30 1	B450C
p.2	-9.67	-9.67	1.6	2.011	1620	1910	R 30x30 1	B450C
p.2	9.67	-9.67	1.6	2.011	1620	1910	R 30x30 1	B450C
p.2	9.67	9.67	1.6	2.011	1620	1910	R 30x30 1	B450C
p.2	-9.67	9.67	1.6	2.011	1620	1910	R 30x30 1	B450C
p.3	-9.9	0	1.6	2.011	1600	1620	R 30x30 1	B450C
p.3	9.9	0	1.6	2.011	1600	1620	R 30x30 1	B450C
p.4	-9.9	0	1.6	2.011	1620.1	1930	R 30x30 1	B450C
p.4	9.9	0	1.6	2.011	1620.1	1930	R 30x30 1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1620	12.06	2.2	0	1,2,3	-169403	-47733	-2387	-571111	-160924	SLU 49	3.371	Si
1649	12.06	2.7	0	1,2,3,4	-140109	-38789	-2304	-582861	-161363	SLU 49	4.16	Si
1678	12.06	1.3	0	2,4	-110302	-29687	-2219	-602291	-162104	SLU 49	5.46	Si
1707	12.06	1.3	0	2,4	-80495	-20586	-2134	-634753	-162334	SLU 49	7.886	Si
1736	12.06	1.3	0	2,4	-50688	-11485	-2050	-704576	-159641	SLU 49	13.9	Si
1765	12.06	1.3	0	2,4	-20171	-4759	-2380	-758124	-178866	SLU 51	37.584	Si
1794	12.06	1.3	0	2,4	10713	5779	-2889	510646	275448	SLU 43	47.667	Si
1823	12.06	1.3	0	2,4	38734	15819	-1795	665034	271606	SLU 49	17.169	Si
1852	12.06	1.3	0	2,4	68542	24921	-1710	600916	218485	SLU 49	8.767	Si
1881	12.06	1.3	0	2,4	98349	34022	-1626	568109	196528	SLU 49	5.776	Si
1910	13.56	1.8	0	2,4	128156	43124	-1541	590706	198768	SLU 49	4.609	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1620	12.06	2.2	0	1,2,3	-233490	142659	-1658	-2.02	1.92	-336513	205605	SLV 1	1.441				Si
1649	12.06	2.7	0	1,2,3,4	-192712	120158	-1594	-2.02	1.92	-337681	210548	SLV 1	1.752				Si
1678	12.06	1.3	0	2,4	-151221	97265	-1529	-2.02	1.92	-339812	218567	SLV 1	2.247				Si
1707	12.06	1.3	0	2,4	-109734	74378	-1464	-2.02	1.92	-343137	232579	SLV 1	3.127				Si
1736	12.06	1.3	0	2,4	-68263	51507	-1399	-2.02	1.92	-350017	264099	SLV 1	5.127				Si
1765	12.06	1.3	0	2,4	-25175	28699	-1333	-2.02	1.92	-360453	410917	SLV 1	14.318				Si
1794	12.06	1.3	0	2,4	15398	9545	-1268	-2.02	1.92	488428	302754	SLV 1	31.72				Si
1823	12.06	1.3	0	2,4	52152	33759	-806	-2.02	1.92	353860	229059	SLV 3	6.785				Si
1852	12.06	1.3	0	2,4	90280	65302	-741	-2.02	1.92	322961	233607	SLV 3	3.577				Si
1881	12.06	1.3	0	2,4	128415	96926	-676	-2.02	1.92	311462	235087	SLV 3	2.425				Si
1910	13.56	1.8	0	2,4	166553	128567	-610	-2.02	1.92	328956	253932	SLV 3	1.975				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1620	12.06	2.2	0	1,2,3	-154238	50315	-1769	-396734	129421	SLD 1	2.572	Si
1649	12.06	2.7	0	1,2,3,4	-127324	42758	-1705	-401771	134923	SLD 1	3.156	Si
1678	12.06	1.3	0	2,4	-99938	35070	-1640	-410208	143947	SLD 1	4.105	Si
1707	12.06	1.3	0	2,4	-72555	27384	-1575	-425266	160505	SLD 1	5.861	Si
1736	12.06	1.3	0	2,4	-45179	19705	-1510	-460463	200830	SLD 1	10.192	Si
1765	12.06	1.3	0	2,4	-17085	12054	-1444	-466795	329333	SLD 1	27.322	Si
1794	12.06	1.3	0	2,4	9932	6230	-1379	498488	312678	SLD 1	50.189	Si
1823	12.06	1.3	0	2,4	35299	19752	-1136	426120	238436	SLD 3	12.072	Si
1852	12.06	1.3	0	2,4	61255	36154	-1071	369605	218145	SLD 3	6.034	Si
1881	12.06	1.3	0	2,4	87215	52587	-1005	349918	210988	SLD 3	4.012	Si
1910	13.56	1.8	0	2,4	113175	69028	-940	363909	221958	SLD 3	3.215	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1620	2X/2Y Ø8/10	318	-2372	SLU 50	4078	20717	21395	2.35	65.12	1037	-2802	SLU 51	4106	20522	21252	2.35	19.8	Si
1649	2X/2Y Ø8/10	318	-2288	SLU 50	4068	20717	21384	2.35	65.12	1037	-2719	SLU 51	4096	20522	21240	2.35	19.8	Si
1678	2X/2Y Ø8/10	318	-2203	SLU 50	4058	20717	21373	2.35	65.12	1037	-2634	SLU 51	4085	20522	21229	2.35	19.8	Si
1707	2X/2Y Ø8/14.4	318	-2119	SLU 50	4047	15258	20445	2.5	47.96	1037	-2549	SLU 51	4075	15114	20307	2.5	14.58	Si
1736	2X/2Y Ø8/14.4	318	-2034	SLU 50	4036	15258	20434	2.5	47.96	1037	-2464	SLU 51	4064	15114	20296	2.5	14.58	Si
1765	2X/2Y Ø8/14.4	318	-1949	SLU 50	4026	15258	20423	2.5	47.96	1037	-2380	SLU 51	4054	15114	20285	2.5	14.58	Si
1794	2X/2Y Ø8/14.4	318	-1864	SLU 50	4015	15258	20412	2.5	47.96	1037	-2295	SLU 51	4043	15114	20275	2.5	14.58	Si
1823	2X/2Y Ø8/14.4	318	-1779	SLU 50	4005	15258	20401	2.5	47.96	1037	-2210	SLU 51	4033	15114	20264	2.5	14.58	Si
1852	2X/2Y Ø8/10	318	-1694	SLU 50	3994	20717	21304	2.35	65.12	1037	-2125	SLU 51	4022	20522	21161	2.35	19.8	Si
1881	2X/2Y Ø8/10	318	-1610	SLU 50	3984	20717	21293	2.35	65.12	1037	-2040	SLU 51	4012	20522	21150	2.35	19.8	Si
1910	2X/2Y Ø8/10	318	-1525	SLU 50	3973	20717	21281	2.35	65.12	1037	-1955	SLU 51	4001	20522	21139	2.35	19.8	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1620	2X/2Y Ø8/10	1356	-1090	SLV 7	3919	20717	21223	2.35	15.27	1431	-1658	SLV 1	3965	20522	21099	2.35	14.34	Si
1649	2X/2Y Ø8/10	1356	-1026	SLV 7	3911	20717	21214	2.35	15.27	1431	-1594	SLV 1	3957	20522	21090	2.35	14.34	Si
1678	2X/2Y Ø8/10	1356	-960	SLV 7	3903	20717	21206	2.35	15.27	1431	-1529	SLV 1	3949	20522	21082	2.35	14.34	Si
1707	2X/2Y Ø8/14.4	1356	-895	SLV 7	3895	15258	20287	2.5	11.25	1431	-1464	SLV 1	3941	15114	20169	2.5	10.56	Si
1736	2X/2Y Ø8/14.4	1356	-830	SLV 7	3887	15258	20279	2.5	11.25	1431	-1399	SLV 1	3933	15114	20160	2.5	10.56	Si
1765	2X/2Y Ø8/14.4	1356	-765	SLV 7	3878	15258	20270	2.5	11.25	1431	-1333	SLV 1	3925	15114	20152	2.5	10.56	Si
1794	2X/2Y Ø8/14.4	1356	-699	SLV 7	3870	15258	20262	2.5	11.25	1431	-1268	SLV 1	3917	15114	20144	2.5	10.56	Si
1823	2X/2Y Ø8/14.4	1356	-634	SLV 7	3862	15258	20253	2.5	11.25	1431	-1203	SLV 1	3909	15114	20135	2.5	10.56	Si
1852	2X/2Y Ø8/10	1356	-569	SLV 7	3854	20717	21153	2.35	15.27	1431	-1138	SLV 1	3901	20522	21030	2.35	14.34	Si
1881	2X/2Y Ø8/10	1356	-504	SLV 7	3846	20717	21144	2.35	15.27	1431	-1072	SLV 1	3892	20522	21021	2.35	14.34	Si
1910	2X/2Y Ø8/10	1356	-438	SLV 7	3838	20717	21135	2.35	15.27	1431	-1007	SLV 1	3884	20522	21012	2.35	14.34	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1620	2X/2Y Ø8/10	680	-1521	SLD 7	3973	22039	20368	2.5	29.97	944	-1769	SLD 1	3978	21832	20208	2.5	21.4	Si
1649	2X/2Y Ø8/10	680	-1457	SLD 7	3965	22039	20359	2.5	29.96	944	-1705	SLD 1	3971	21832	20199	2.5	21.39	Si
1678	2X/2Y Ø8/10	680	-1391	SLD 7	3956	22039	20351	2.5	29.95	944	-1640	SLD 1	3962	21832	20191	2.5	21.38	Si
1707	2X/2Y Ø8/14.4	680	-1326	SLD 7	3948	15258	20343	2.5	22.45	944	-1575	SLD 1	3954	15114	20183	2.5	16	Si
1736	2X/2Y Ø8/14.4	680	-1261	SLD 7	3940	15258	20334	2.5	22.45	944	-1510	SLD 1	3946	15114	20174	2.5	16	Si
1765	2X/2Y Ø8/14.4	680	-1196	SLD 7	3932	15258	20326	2.5	22.45	944	-1444	SLD 1	3938	15114	20166	2.5	16	Si
1794	2X/2Y Ø8/14.4	680	-1130	SLD 7	3924	15258	20317	2.5	22.45	944	-1379	SLD 1	3930	15114	20158	2.5	16	Si
1823	2X/2Y Ø8/14.4	680	-1065	SLD 7	3916	15258	20309	2.5	22.45	944	-1314	SLD 1	3922	15114	20150	2.5	16	Si
1852	2X/2Y Ø8/10	680	-1000	SLD 7	3908	22039	20300	2.5	29.87	944	-1249	SLD 1	3914	21832	20141	2.5	21.33	Si
1881	2X/2Y Ø8/10	680	-935	SLD 7	3900	22039	20292	2.5	29.86	944	-1183	SLD 1	3906	21832	20133	2.5	21.32	Si
1910	2X/2Y Ø8/10	680	-869	SLD 7	3891	22039	20284	2.5	29.85	944	-1118	SLD 1	3898	21832	20125	2.5	21.31	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1620	-118972	-33239	-1781	SLE RA 11	-54	-119512	-32609	-1792	SLE RA 10	1105.6	Si
1649	-98385	-26999	-1717	SLE RA 11	-44.3	-98831	-26450	-1728	SLE RA 10	889.1	Si
1678	-77436	-20650	-1652	SLE RA 11	-34.5	-77788	-20184	-1663	SLE RA 10	668.5	Si
1707	-56353	-13838	-1863	SLE RA 13	-14.9	-56353	-13838	-1863	SLE RA 13	-153.3	Si
1736	-35235	-7703	-1798	SLE RA 13	-9.7	-35235	-7703	-1798	SLE RA 13	-103	Si
1765	-14117	-1569	-1733	SLE RA 13	-4.6	-12325	-1210	-2045	SLE RA 9	-53.1	Si
1794	7642	4037	-1991	SLE RA 8	-4	7642	4037	-1991	SLE RA 8	-48.6	Si
1823	28241	10754	-1613	SLE RA 12	-8.8	27677	9065	-1925	SLE RA 8	-93.2	Si
1852	49454	16806	-1548	SLE RA 12	-13.8	49454	16806	-1548	SLE RA 12	-141.3	Si
1881	69517	23681	-1206	SLE RA 10	-33	69517	23681	-1206	SLE RA 10	647.8	Si
1910	91880	28910	-1417	SLE RA 12	-41.6	90561	29947	-1141	SLE RA 10	828.3	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1620	-100765	-22442	-1876	SLE QP 2	-43.4	Si
1649	-83175	-18140	-1812	SLE QP 2	-35.6	Si
1678	-65275	-13762	-1747	SLE QP 2	-16.5	Si
1707	-47376	-9384	-1681	SLE QP 2	-12.2	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
1736	-29477	-5007	-1616	SLE QP 2	-8	Si
1765	-11578	-629	-1551	SLE QP 2	-3.8	Si
1794	6321	3749	-1486	SLE QP 2	-3.2	Si
1823	24220	8127	-1420	SLE QP 2	-7.4	Si
1852	42120	12505	-1355	SLE QP 2	-11.5	Si
1881	60019	16882	-1290	SLE QP 2	-15.6	Si
1910	77918	21260	-1225	SLE QP 2	-34.1	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

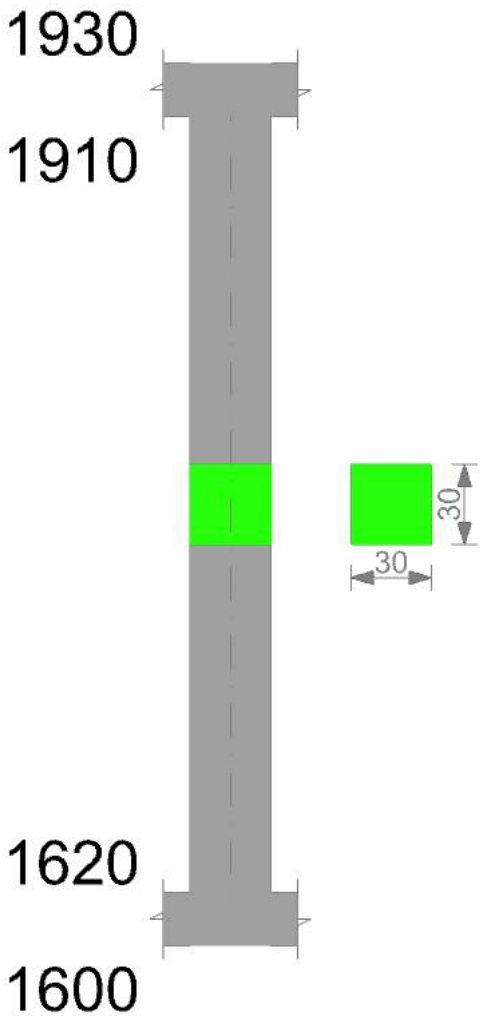
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto elemento di base della pilastrata.

Pilastro G7

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1620	1910	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-9.67	1.6	2.011	1610	1620	R 30x30_1	B450C
p.1	9.67	-9.67	1.6	2.011	1610	1620	R 30x30_1	B450C
p.1	9.67	9.67	1.6	2.011	1610	1620	R 30x30_1	B450C
p.1	-9.67	9.67	1.6	2.011	1610	1620	R 30x30_1	B450C
p.2	-9.67	-9.67	1.6	2.011	1620	1910	R 30x30_1	B450C
p.2	9.67	-9.67	1.6	2.011	1620	1910	R 30x30_1	B450C
p.2	9.67	9.67	1.6	2.011	1620	1910	R 30x30_1	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.2	-9.67	9.67	1.6	2.011	1620	1910	R 30x30_1	B450C
p.3	-9.9	0	1.6	2.011	1600	1620	R 30x30_1	B450C
p.3	9.9	0	1.6	2.011	1600	1620	R 30x30_1	B450C
p.4	-9.9	0	1.6	2.011	1620.1	1930	R 30x30_1	B450C
p.4	9.9	0	1.6	2.011	1620.1	1930	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1620	12.06	2.2	0	1,2,3	158165	-231100	-5397	363734	-531465	SLU 52	2.3	Si
1649	12.06	2.7	0	1,2,3,4	130371	-209010	-5312	349176	-559797	SLU 52	2.678	Si
1678	12.06	1.3	0	2,4	102577	-186921	-5227	328165	-597995	SLU 52	3.199	Si
1707	12.06	1.3	0	2,4	74783	-164831	-5142	294497	-649102	SLU 52	3.938	Si
1736	12.06	1.3	0	2,4	49710	-139470	-4672	249191	-699148	SLU 50	5.013	Si
1765	12.06	1.3	0	2,4	22863	-118222	-4587	153687	-794705	SLU 50	6.722	Si
1794	12.06	1.3	0	2,4	-9005	-96974	-4503	-82538	-888844	SLU 50	9.166	Si
1823	12.06	1.3	0	2,4	-36392	-76471	-4803	-346693	-728519	SLU 52	9.527	Si
1852	12.06	1.3	0	2,4	-63999	-54604	-4713	-555774	-474189	SLU 51	8.684	Si
1881	12.06	1.3	0	2,4	-91979	-32292	-4633	-696550	-244541	SLU 52	7.573	Si
1910	13.56	1.8	0	2,4	-119773	-10202	-4548	-760665	-64790	SLU 52	6.351	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1620	12.06	2.2	0	1,2,3	194377	-315459	-3923	-2.02	1.92	234881	-381195	SLV 15	1.208				Si
1649	12.06	2.7	0	1,2,3,4	160522	-273286	-3858	-2.02	1.92	231708	-394477	SLV 15	1.443				Si
1678	12.06	1.3	0	2,4	126693	-231125	-3792	-2.02	1.92	227074	-414250	SLV 15	1.792				Si
1707	12.06	1.3	0	2,4	92917	-188990	-3727	-2.02	1.92	218320	-444056	SLV 15	2.35				Si
1736	12.06	1.3	0	2,4	59286	-146915	-3662	-2.02	1.92	200536	-496944	SLV 15	3.383				Si
1765	12.06	1.3	0	2,4	26278	-105061	-3597	-2.02	1.92	153582	-614030	SLV 15	5.845				Si
1794	12.06	1.3	0	2,4	-1666	-66562	-3531	-2.02	1.92	-20046	-800904	SLV 15	12.032				Si
1823	12.06	1.3	0	2,4	-44054	-65344	-3088	-2.02	1.92	-317471	-470897	SLV 13	7.206				Si
1852	12.06	1.3	0	2,4	-77560	-79917	-3022	-2.02	1.92	-349078	-359685	SLV 13	4.501				Si
1881	12.06	1.3	0	2,4	-111307	-94956	-2957	-2.02	1.92	-349225	-297925	SLV 13	3.137				Si
1910	13.56	1.8	0	2,4	-145125	-110089	-2892	-2.02	1.92	-372417	-282507	SLV 13	2.566				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1620	12.06	2.2	0	1,2,3	127941	-213055	-3564	240110	-399848	SLD 15	1.877	Si
1649	12.06	2.7	0	1,2,3,4	105383	-187282	-3499	235252	-418079	SLD 15	2.232	Si
1678	12.06	1.3	0	2,4	82835	-161514	-3433	227390	-443371	SLD 15	2.745	Si
1707	12.06	1.3	0	2,4	60307	-135754	-3368	214044	-481828	SLD 15	3.549	Si
1736	12.06	1.3	0	2,4	37834	-110017	-3303	188006	-546705	SLD 15	4.969	Si
1765	12.06	1.3	0	2,4	15615	-84362	-3238	125303	-676957	SLD 15	8.024	Si
1794	12.06	1.3	0	2,4	-4453	-60081	-3172	-56750	-765655	SLD 15	12.744	Si
1823	12.06	1.3	0	2,4	-30506	-52029	-2946	-297227	-506925	SLD 13	9.743	Si
1852	12.06	1.3	0	2,4	-52930	-50590	-2881	-394612	-377163	SLD 13	7.455	Si
1881	12.06	1.3	0	2,4	-75447	-49323	-2816	-423425	-276811	SLD 13	5.612	Si
1910	13.56	1.8	0	2,4	-97991	-48090	-2750	-451002	-221333	SLD 13	4.602	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1620	2X/2Y Ø8/10	762	-5397	SLU 52	4455	21158	21484	2.4	27.78	-958	-5397	SLU 52	4426	20959	21282	2.4	21.87	Si
1649	2X/2Y Ø8/10	762	-5312	SLU 52	4445	21158	21473	2.4	27.78	-958	-5312	SLU 52	4415	20959	21271	2.4	21.87	Si
1678	2X/2Y Ø8/10	762	-5227	SLU 52	4434	21158	21462	2.4	27.78	-958	-5227	SLU 52	4405	20959	21260	2.4	21.87	Si
1707	2X/2Y Ø8/14.4	762	-5142	SLU 52	4423	15258	20834	2.5	20.03	-958	-5142	SLU 52	4394	15114	20638	2.5	15.77	Si
1736	2X/2Y Ø8/14.4	762	-5057	SLU 52	4413	15258	20823	2.5	20.03	-958	-5057	SLU 52	4384	15114	20627	2.5	15.77	Si
1765	2X/2Y Ø8/14.4	762	-4972	SLU 52	4402	15258	20812	2.5	20.03	-958	-4972	SLU 52	4373	15114	20616	2.5	15.77	Si
1794	2X/2Y Ø8/14.4	762	-4888	SLU 52	4392	15258	20801	2.5	20.03	-958	-4888	SLU 52	4363	15114	20605	2.5	15.77	Si
1823	2X/2Y Ø8/14.4	762	-4803	SLU 52	4381	15258	20790	2.5	20.03	-958	-4803	SLU 52	4353	15114	20595	2.5	15.77	Si
1852	2X/2Y Ø8/10	762	-4718	SLU 52	4371	21158	21394	2.4	27.78	-958	-4718	SLU 52	4342	20959	21193	2.4	21.87	Si
1881	2X/2Y Ø8/10	762	-4633	SLU 52	4360	21158	21383	2.4	27.78	-958	-4633	SLU 52	4332	20959	21182	2.4	21.87	Si
1910	2X/2Y Ø8/10	762	-4548	SLU 52	4349	21158	21372	2.4	27.78	-958	-4548	SLU 52	4321	20959	21171	2.4	21.87	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1620	2X/2Y Ø8/10	1543	-4058	SLV 11	4288	21158	21307	2.4	13.71	-1169	-3923	SLV 15	4244	20959	21088	2.4	17.93	Si
1649	2X/2Y Ø8/10	1543	-3993	SLV 11	4280	21158	21298	2.4	13.71	-1169	-3858	SLV 15	4236	20959	21080	2.4	17.93	Si
1678	2X/2Y Ø8/10	1543	-3928	SLV 11	4272	21158	21289	2.4	13.71	-1169	-3792	SLV 15	4228	20959	21071	2.4	17.93	Si
1707	2X/2Y Ø8/14.4	1543	-3863	SLV 11	4264	15258	20669	2.5	9.89	-1169	-3727	SLV 15	4220	15114	20457	2.5	12.93	Si
1736	2X/2Y Ø8/14.4	1543	-3797	SLV 11	4256	15258	20661	2.5	9.89	-1169	-3662	SLV 15	4212	15114	20449	2.5	12.93	Si
1765	2X/2Y Ø8/14.4	1543	-3732	SLV 11	4248	15258	20652	2.5	9.89	-1169	-3597	SLV 15	4204	15114	20441	2.5	12.93	Si
1794	2X/2Y Ø8/14.4	1543	-3667	SLV 11	4240	15258	20644	2.5	9.89	-1169	-3531	SLV 15	4196	15114	20432	2.5	12.93	Si
1823	2X/2Y Ø8/14.4	1543	-3602	SLV 11	4232	15258	20636	2.5	9.89	-1169	-3466	SLV 15	4188	15114	20424	2.5	12.93	Si
1852	2X/2Y Ø8/10	1543	-3536	SLV 11	4223	21158	21237	2.4	13.71	-1169	-3401	SLV 15	4180	20959	21020	2.4	17.93	Si
1881	2X/2Y Ø8/10	1543	-3471	SLV 11	4215	21158	21229	2.4	13.71	-1169	-3336	SLV 15	4172	20959	21011	2.4	17.93	Si
1910	2X/2Y Ø8/10	1543	-3406	SLV 11	4207	21158	21220	2.4	13.71	-1169	-3270	SLV 15	4164	20959	21003	2.4	17.93	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1620	2X/2Y Ø8/10	930	-3621	SLD 11	4234	22039	20638	2.5	22.18	-778	-3564	SLD 15	4200	21832	20437	2.5	26.25	Si
1649	2X/2Y Ø8/10	930	-3556	SLD 11	4226	22039	20630	2.5	22.17	-778	-3499	SLD 15	4192	21832	20428	2.5	26.24	Si
1678	2X/2Y Ø8/10	930	-3491	SLD 11	4218	22039	20621	2.5	22.16	-778	-3433	SLD 15	4184	21832	20420	2.5	26.23	Si
1707	2X/2Y Ø8/14.4	930	-3425	SLD 11	4210	15258	20613	2.5	16.4	-778	-3368	SLD 15	4176	15114	20412	2.5	19.42	Si
1736	2X/2Y Ø8/14.4	930	-3360	SLD 11	4202	15258	20604	2.5	16.4	-778	-3303	SLD 15	4168	15114	20403	2.5	19.42	Si
1765	2X/2Y Ø8/14.4	930	-3295	SLD 11	4193	15258	20596	2.5	16.4	-778	-3238	SLD 15	4160	15114	20395	2.5	19.42	Si
1794	2X/2Y Ø8/14.4	930	-3230	SLD 11	4185	15258	20588	2.5	16.4	-778	-3172	SLD 15	4151	15114	20387	2.5	19.42	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1823	2X/2Y Ø8/14.4	930	-3164	SLD 11	4177	15258	20579	2.5	16.4	-778	-3107	SLD 15	4143	15114	20378	2.5	19.42	Si
1852	2X/2Y Ø8/10	930	-3099	SLD 11	4169	22039	20571	2.5	22.11	-778	-3042	SLD 15	4135	21832	20370	2.5	26.17	Si
1881	2X/2Y Ø8/10	930	-3034	SLD 11	4161	22039	20562	2.5	22.1	-778	-2977	SLD 15	4127	21832	20362	2.5	26.16	Si
1910	2X/2Y Ø8/10	930	-2969	SLD 11	4153	22039	20554	2.5	22.09	-778	-2911	SLD 15	4119	21832	20353	2.5	26.15	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1620	112127	-164631	-3886	SLE RA 13	-94.5	112127	-164631	-3886	SLE RA 13	1576.5	Si
1649	92369	-148867	-3821	SLE RA 13	-81.5	92369	-148867	-3821	SLE RA 13	1334	Si
1678	72611	-133103	-3756	SLE RA 13	-68.4	73162	-129800	-3499	SLE RA 11	1098.5	Si
1707	52852	-117339	-3691	SLE RA 13	-55.5	54035	-114597	-3434	SLE RA 11	875	Si
1736	34908	-99394	-3369	SLE RA 11	-43	34908	-99394	-3369	SLE RA 11	660.3	Si
1765	15781	-84191	-3303	SLE RA 11	-30.8	15781	-84191	-3303	SLE RA 11	457.1	Si
1794	-10751	-65399	-3610	SLE RA 9	-17	-10751	-65399	-3610	SLE RA 9	-181.9	Si
1823	-26181	-54282	-3430	SLE RA 13	-17.8	-26181	-54282	-3430	SLE RA 13	-188.7	Si
1852	-45939	-38517	-3364	SLE RA 13	-18.7	-45939	-38517	-3364	SLE RA 13	-197.2	Si
1881	-65475	-23033	-3296	SLE RA 12	-19.6	-65475	-23033	-3296	SLE RA 12	-205.7	Si
1910	-85136	-7400	-3230	SLE RA 12	-31.4	-85455	-6989	-3234	SLE RA 13	524.5	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1620	82639	-136521	-3296	SLE QP 2	-74	Si
1649	67809	-123028	-3231	SLE QP 2	-63.7	Si
1678	52979	-109535	-3166	SLE QP 2	-53.5	Si
1707	38150	-96041	-3101	SLE QP 2	-43.4	Si
1736	23320	-82548	-3035	SLE QP 2	-33.3	Si
1765	8490	-69055	-2970	SLE QP 2	-16.6	Si
1794	-6340	-55562	-2905	SLE QP 2	-13.7	Si
1823	-21170	-42069	-2840	SLE QP 2	-14.1	Si
1852	-36000	-28576	-2774	SLE QP 2	-14.5	Si
1881	-50830	-15083	-2709	SLE QP 2	-14.9	Si
1910	-65660	-1589	-2644	SLE QP 2	-15.1	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1620	90674	-143030	-3391	SLE FR 6	67594	-106624	-106624	1320.1	355.5	0.0226	34.57	0.0133	Si	Si
1649	74644	-129086	-3325	SLE FR 6	64577	-111677	-111677	1119	341.3	0.0236	34.79	0.0113	Si	Si
1678	58614	-115142	-3260										No	Si
1707	42585	-101198	-3195										No	Si
1736	26555	-87254	-3130										No	Si
1765	10525	-73310	-3064										No	Si
1794	-5505	-59365	-2999										No	Si
1823	-21535	-45421	-2934										No	Si
1852	-37565	-31477	-2869										No	Si
1881	-53594	-17533	-2803										No	Si
1910	-69624	-3589	-2738										No	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1620	82639	-136521	-3296	SLE QP 2	65942	-108937	-108937	1227.5	351.6	0.0229	34.32	0.0123	Si	Si
1649	67809	-123028	-3231	SLE QP 2	62896	-114112	-114112	1039.4	332	0.0242	34.33	0.0104	Si	Si
1678	52979	-109535	-3166										No	Si
1707	38150	-96041	-3101										No	Si
1736	23320	-82548	-3035										No	Si
1765	8490	-69055	-2970										No	Si
1794	-6340	-55562	-2905										No	Si
1823	-21170	-42069	-2840										No	Si
1852	-36000	-28576	-2774										No	Si
1881	-50830	-15083	-2709										No	Si
1910	-65660	-1589	-2644										No	Si

Verifiche nodi trave colonna

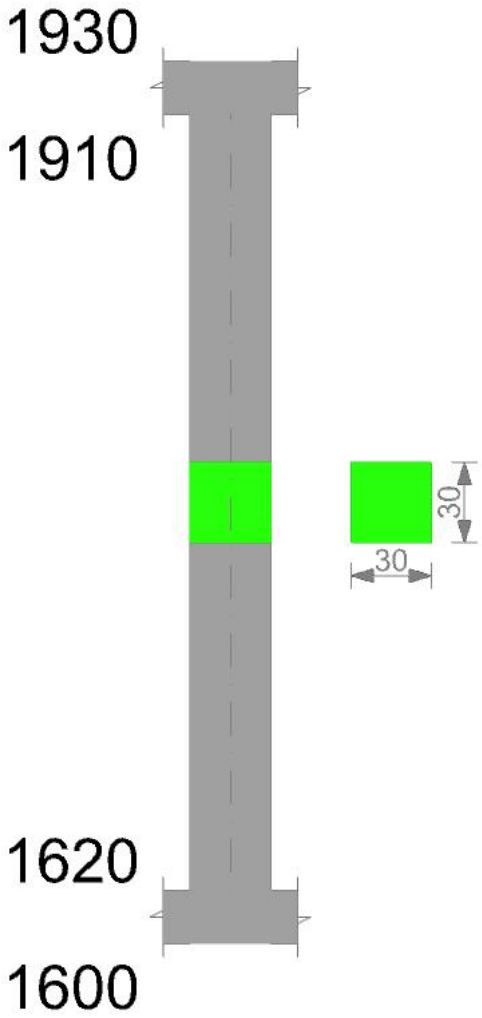
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1610 in quanto elemento di base della pilastrata.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.

Pilastro G8

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1620	1910	R 30x30 1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-9.67	1.6	2.011	1610	1620	R 30x30 1	B450C
p.1	9.67	-9.67	1.6	2.011	1610	1620	R 30x30 1	B450C
p.1	9.67	9.67	1.6	2.011	1610	1620	R 30x30 1	B450C
p.1	-9.67	9.67	1.6	2.011	1610	1620	R 30x30 1	B450C
p.2	-9.67	-9.67	1.6	2.011	1620	1910	R 30x30 1	B450C
p.2	9.67	-9.67	1.6	2.011	1620	1910	R 30x30 1	B450C
p.2	9.67	9.67	1.6	2.011	1620	1910	R 30x30 1	B450C
p.2	-9.67	9.67	1.6	2.011	1620	1910	R 30x30 1	B450C
p.3	-9.9	0	1.6	2.011	1600	1620	R 30x30 1	B450C
p.3	9.9	0	1.6	2.011	1600	1620	R 30x30 1	B450C
p.4	-9.9	0	1.6	2.011	1620.1	1930	R 30x30 1	B450C
p.4	9.9	0	1.6	2.011	1620.1	1930	R 30x30 1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1620	12.06	2.2	0	1,2,3	136290	-25294	-1042	559700	-103873	SLU 52	4.107	Si
1649	12.06	2.7	0	1,2,3,4	112279	-18680	-823	559442	-93073	SLU 50	4.983	Si
1678	12.06	1.3	0	2,4	89844	-11447	-738	567330	-72284	SLU 50	6.315	Si
1707	12.06	1.3	0	2,4	67408	-4214	-653	579802	-36250	SLU 50	8.601	Si
1736	12.06	1.3	0	2,4	44973	3018	-569	597723	40114	SLU 50	13.291	Si
1765	12.06	1.3	0	2,4	22537	10251	-484	563343	256230	SLU 50	24.996	Si
1794	12.06	1.3	0	2,4	-15670	14017	-868	-523393	468199	SLU 43	33.402	Si
1823	12.06	1.3	0	2,4	-32098	23997	-648	-492153	367938	SLU 47	15.333	Si
1852	12.06	1.3	0	2,4	-53920	30451	-559	-497523	280971	SLU 48	9.227	Si
1881	12.06	1.3	0	2,4	-74178	39912	-280	-480115	258326	SLU 52	6.472	Si
1910	13.56	1.8	0	2,4	-97609	47171	-195	-520849	251707	SLU 52	5.336	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1620	12.06	2.2	0	1,2,3	149134	-172843	-996	-2.02	1.92	264079	-306060	SLV 15	1.771				Si
1649	12.06	2.7	0	1,2,3,4	124168	-145077	-932	-2.02	1.92	264274	-308776	SLV 15	2.128				Si
1678	12.06	1.3	0	2,4	98774	-116832	-866	-2.02	1.92	264837	-313255	SLV 15	2.681				Si
1707	12.06	1.3	0	2,4	73401	-88602	-801	-2.02	1.92	265625	-320636	SLV 15	3.619				Si
1736	12.06	1.3	0	2,4	44216	48537	-1019	-2.02	1.92	301836	331331	SLV 13	6.826				Si
1765	12.06	1.3	0	2,4	20529	45121	-953	-2.02	1.92	210217	462034	SLV 13	10.24				Si
1794	12.06	1.3	0	2,4	-633	26791	-977	-2.02	1.92	-17740	750332	SLV 9	28.007				Si
1823	12.06	1.3	0	2,4	-23525	26530	30	-2.02	1.92	-254574	287091	SLV 11	10.822				Si
1852	12.06	1.3	0	2,4	-54279	53410	-475	-2.02	1.92	-288613	283991	SLV 15	5.317				Si
1881	12.06	1.3	0	2,4	-79594	81485	-410	-2.02	1.92	-276970	283550	SLV 15	3.48				Si
1910	13.56	1.8	0	2,4	-104964	109675	-344	-2.02	1.92	-287292	300188	SLV 15	2.737				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1620	12.06	2.2	0	1,2,3	100419	-81563	-892	311981	-253399	SLD 15	3.107	Si
1649	12.06	2.7	0	1,2,3,4	83342	-67407	-828	314804	-254616	SLD 15	3.777	Si
1678	12.06	1.3	0	2,4	65970	-53007	-763	319483	-256704	SLD 15	4.843	Si
1707	12.06	1.3	0	2,4	48610	-38613	-698	327559	-260196	SLD 15	6.739	Si
1736	12.06	1.3	0	2,4	29587	22011	-762	366746	272837	SLD 13	12.395	Si
1765	12.06	1.3	0	2,4	12952	22711	-697	263668	462350	SLD 13	20.358	Si
1794	12.06	1.3	0	2,4	-2488	17144	-668	-102225	704416	SLD 9	41.088	Si
1823	12.06	1.3	0	2,4	-19260	19945	-171	-282420	292471	SLD 11	14.664	Si
1852	12.06	1.3	0	2,4	-38612	33706	-371	-305105	266337	SLD 15	7.902	Si
1881	12.06	1.3	0	2,4	-55943	48040	-306	-298102	255989	SLD 15	5.329	Si
1910	13.56	1.8	0	2,4	-73302	62419	-241	-310799	264655	SLD 15	4.24	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1620	2X/2Y Ø8/10	250	-1042	SLU 52	3913	20717	21217	2.35	82.77	-808	-1042	SLU 52	3889	20522	21017	2.35	25.4	Si
1649	2X/2Y Ø8/10	250	-959	SLU 52	3903	20717	21205	2.35	82.77	-808	-959	SLU 52	3878	20522	21006	2.35	25.4	Si
1678	2X/2Y Ø8/10	250	-874	SLU 52	3892	20717	21194	2.35	82.77	-808	-874	SLU 52	3868	20522	20994	2.35	25.4	Si
1707	2X/2Y Ø8/14.4	250	-789	SLU 52	3881	15258	20273	2.5	60.96	-808	-789	SLU 52	3858	15114	20083	2.5	18.71	Si
1736	2X/2Y Ø8/14.4	250	-704	SLU 52	3871	15258	20262	2.5	60.96	-808	-704	SLU 52	3847	15114	20072	2.5	18.71	Si
1765	2X/2Y Ø8/14.4	250	-619	SLU 52	3860	15258	20251	2.5	60.96	-808	-619	SLU 52	3837	15114	20061	2.5	18.71	Si
1794	2X/2Y Ø8/14.4	250	-535	SLU 52	3850	15258	20241	2.5	60.96	-808	-535	SLU 52	3826	15114	20050	2.5	18.71	Si
1823	2X/2Y Ø8/14.4	250	-450	SLU 52	3839	15258	20230	2.5	60.96	-808	-450	SLU 52	3816	15114	20039	2.5	18.71	Si
1852	2X/2Y Ø8/10	250	-365	SLU 52	3829	20717	21125	2.35	82.77	-808	-365	SLU 52	3805	20522	20927	2.35	25.4	Si
1881	2X/2Y Ø8/10	250	-280	SLU 52	3818	20717	21114	2.35	82.77	-808	-280	SLU 52	3795	20522	20915	2.35	25.4	Si
1910	2X/2Y Ø8/10	250	-195	SLU 52	3808	20717	21103	2.35	82.77	-808	-195	SLU 52	3784	20522	20904	2.35	25.4	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1620	2X/2Y Ø8/10	1050	-426	SLV 11	3836	20717	21134	2.35	19.74	-877	-996	SLV 15	3883	20522	21011	2.35	23.41	Si
1649	2X/2Y Ø8/10	1050	-361	SLV 11	3828	20717	21125	2.35	19.74	-877	-932	SLV 15	3875	20522	21002	2.35	23.41	Si
1678	2X/2Y Ø8/10	1050	-296	SLV 11	3820	20717	21116	2.35	19.74	-877	-866	SLV 15	3867	20522	20993	2.35	23.41	Si
1707	2X/2Y Ø8/14.4	1050	-231	SLV 11	3812	15258	20201	2.5	14.54	-877	-801	SLV 15	3859	15114	20084	2.5	17.24	Si
1736	2X/2Y Ø8/14.4	1050	-166	SLV 11	3804	15258	20193	2.5	14.54	-877	-736	SLV 15	3851	15114	20076	2.5	17.24	Si
1765	2X/2Y Ø8/14.4	1050	-100	SLV 11	3796	15258	20185	2.5	14.54	-877	-671	SLV 15	3843	15114	20067	2.5	17.24	Si
1794	2X/2Y Ø8/14.4	1050	-35	SLV 11	3788	15258	20176	2.5	14.54	-877	-605	SLV 15	3835	15114	20059	2.5	17.24	Si
1823	2X/2Y Ø8/14.4	1050	30	SLV 11	3783	15258	20172	2.5	14.54	-877	-540	SLV 15	3827	15114	20051	2.5	17.24	Si
1852	2X/2Y Ø8/10	1050	95	SLV 11	3783	20717	21076	2.35	19.74	-877	-475	SLV 15	3819	20522	20941	2.35	23.41	Si
1881	2X/2Y Ø8/10	1050	161	SLV 11	3783	20717	21076	2.35	19.74	-877	-410	SLV 15	3811	20522	20933	2.35	23.41	Si
1910	2X/2Y Ø8/10	1050	226	SLV 11	3783	20717	21076	2.35	19.74	-877	-344	SLV 15	3803	20522	20924	2.35	23.41	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1620	2X/2Y Ø8/10	532	-627	SLD 11	3861	22039	20252	2.5	38.07	-600	-892	SLD 15	3870	21832	20096	2.5	33.52	Si
1649	2X/2Y Ø8/10	532	-563	SLD 11	3853	22039	20244	2.5	38.05	-600	-828	SLD 15	3862	21832	20088	2.5	33.5	Si
1678	2X/2Y Ø8/10	532	-498	SLD 11	3845	22039	20236	2.5	38.03	-600	-763	SLD 15	3854	21832	20079	2.5	33.49	Si
1707	2X/2Y Ø8/14.4	532	-432	SLD 11	3837	15258	20227	2.5	28.68	-600	-698	SLD 15	3846	15114	20071	2.5	25.21	Si
1736	2X/2Y Ø8/14.4	532	-367	SLD 11	3829	15258	20219	2.5	28.68	-600	-632	SLD 15	3838	15114	20063	2.5	25.21	Si
1765	2X/2Y Ø8/14.4	532	-302	SLD 11	3821	15258	20211	2.5	28.68	-600	-567	SLD 15	3830	15114	20054	2.5	25.21	Si
1794	2X/2Y Ø8/14.4	532	-237	SLD 11	3813	15258	20202	2.5	28.68	-600	-502	SLD 15	3822	15114	20046	2.5	25.21	Si
1823	2X/2Y Ø8/14.4	532	-171	SLD 11	3805	15258	20194	2.5	28.68	-600	-437	SLD 15	3814	15114	20038	2.5	25.21	Si
1852	2X/2Y Ø8/10	532	-106	SLD 11	3796	22039	20185	2.5	37.94	-600	-371	SLD 15	3806	21832	20029	2.5	33.41	Si
1881	2X/2Y Ø8/10	532	-41	SLD 11	3788	22039	20177	2.5	37.92	-600	-306	SLD 15	3798	21832	20021	2.5	33.39	Si
1910	2X/2Y Ø8/10	532	24	SLD 11	3783	22039	20172	2.5	37.91	-600	-241	SLD 15	3790	21832	20013	2.5	33.38	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1620	96637	-17796	-791	SLE RA 13	-40.6	96637	-17796	-791	SLE RA 13	920.6	Si
1649	80255	-12737	-727	SLE RA 13	-32.9	79598	-13083	-636	SLE RA 11	753.5	Si
1678	63585	-7589	-662	SLE RA 13	-14.1	63585	-7589	-662	SLE RA 13	-139.2	Si
1707	47586	-2823	-506	SLE RA 11	-10	47586	-2823	-506	SLE RA 11	-99.4	Si
1736	31428	2560	-443	SLE RA 10	-6.8	31428	2560	-443	SLE RA 10	-68.4	Si
1765	15462	7634	-378	SLE RA 10	-4.6	15462	7634	-378	SLE RA 10	-46.8	Si
1794	-10947	10257	-623	SLE RA 4	-4.5	-10947	10257	-623	SLE RA 4	-46.4	Si
1823	-22948	17218	-467	SLE RA 8	-7.9	-22948	17218	-467	SLE RA 8	-78.2	Si
1852	-38536	21856	-402	SLE RA 8	-11.6	-38536	21856	-402	SLE RA 8	-113.9	Si
1881	-53100	28445	-205	SLE RA 13	-29.4	-53100	28445	-205	SLE RA 13	612.2	Si
1910	-69770	33592	-140	SLE RA 13	-36.8	-69770	33592	-140	SLE RA 13	759.6	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1620	67639	-13397	-794	SLE QP 2	-28.7	Si
1649	55857	-9490	-729	SLE QP 2	-13	Si
1678	43867	-5516	-664	SLE QP 2	-9.9	Si
1707	31878	-1541	-599	SLE QP 2	-6.9	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
1736	19888	2434	-534	SLE QP 2	-4.7	Si
1765	7899	6409	-468	SLE QP 2	-3.1	Si
1794	-5628	9388	-442	SLE QP 1	-3.1	Si
1823	-16080	14358	-338	SLE QP 2	-5.9	Si
1852	-28069	18333	-273	SLE QP 2	-8.8	Si
1881	-40059	22308	-207	SLE QP 2	-11.8	Si
1910	-52048	26283	-142	SLE QP 2	-27.9	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1610 in quanto elemento di base della pilastrata.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.

8.2 Verifiche travate C.A.

Le unità di misura elencate nel capitolo sono in [cm, daN] ove non espressamente specificato.

***N°**: indice progressivo della sezione.*
***Descrizione**: descrizione della sezione.*
***Tipo**: tipo di sezione.*
***Base**: base della sezione. [cm]*
***Altezza**: altezza della sezione. [cm]*
***Copriferro sup.**: distanza del bordo della staffa dalla superficie superiore del getto. [cm]*
***Copriferro inf.**: distanza del bordo della staffa dalla superficie inferiore del getto. [cm]*
***Copriferro lat.**: distanza del bordo della staffa dalle superfici laterali del getto. [cm]*
***x**: distanza da asse appoggio sinistro. [cm]*
***A sup.**: area efficace di armatura longitudinale superiore. [cm²]*
***C.b. sup.**: distanza dal bordo del baricentro dell'armatura longitudinale superiore. [cm]*
***A inf.**: area efficace di armatura longitudinale inferiore. [cm²]*
***C.b. inf.**: distanza dal bordo del baricentro dell'armatura longitudinale inferiore. [cm]*
***M+ela**: momento flettente desunto dal solutore che tende le fibre inferiori. [daN*cm]*
***Comb.**: combinazione.*
***M+des**: momento flettente di progetto che tende le fibre inferiori. [daN*cm]*
***M+ult**: momento ultimo per trazione delle fibre inferiori. [daN*cm]*
***x/d**: rapporto tra posizione asse neutro e altezza utile.*
***coeff**: coefficiente di sicurezza.*
***M-ela**: momento flettente desunto dal solutore che tende le fibre superiori. [daN*cm]*
***M-des**: momento flettente di progetto che tende le fibre superiori. [daN*cm]*
***M-ult**: momento ultimo per trazione delle fibre superiori. [daN*cm]*
***Verifica**: stato di verifica.*
***A st**: area di staffe per unità di lunghezza. [cm²]*
***A sl**: area di armatura longitudinale tesa per valutazione resistenza taglio in assenza di armature a taglio. [cm²]*
***A sag**: area equivalente di barre piegate per unità di lunghezza. [cm²]*
***Vela**: taglio elastico. [daN]*
***Vdes**: taglio di progetto. [daN]*
***Vrd**: resistenza a taglio della sezione senza armature. [daN]*
***Vrcd**: sforzo di taglio che produce il cedimento delle bielle. [daN]*
***Vrsd**: resistenza a taglio per la presenza delle armature. [daN]*
***Vult**: taglio ultimo. [daN]*
***cotgθ**: cotg dell'angolo di inclinazione dei puntoni in calcestruzzo.*
***Rara**: famiglia di combinazione di verifica.*
***Mela**: momento elastico. [daN*cm]*
***Mdes**: momento di progetto. [daN*cm]*
***σ c**: tensione di compressione nel calcestruzzo. [daN/cm²]*
***σ c lim.**: tensione limite di compressione nel calcestruzzo. [daN/cm²]*
***σ f.**: tensione di trazione nell'acciaio. [daN/cm²]*
***σ f lim.**: tensione limite di trazione nell'acciaio. [daN/cm²]*
***Elastica+**: massima freccia a sezione interamente reagente di solo calcestruzzo. [cm]*
***Elastica-**: minima freccia a sezione interamente reagente di solo calcestruzzo. [cm]*
***Fess.+**: massima freccia a sezione fessurata ed omogeneizzata. [cm]*
***Fess.-**: minima freccia a sezione fessurata ed omogeneizzata. [cm]*
***Quasi permanente**: famiglia di combinazione di verifica.*
***σ FRP**: tensione di trazione nell'FRP. [daN/cm²]*
***σ FRP lim.**: tensione limite di trazione nell'FRP. [daN/cm²]*
***Fess. viscosa+**: massima freccia a sezione fessurata ed omogeneizzata a viscosità esaurita. [cm]*
***Fess. viscosa-**: minima freccia a sezione fessurata ed omogeneizzata a viscosità esaurita. [cm]*
***l/f**: rapporto luce su freccia in combinazione quasi permanente.*
***Frequente**: famiglia di combinazione di verifica.*

Scala 3 - rampa tipo

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 130x20	Rettangolare	130	20	3.5	3.5	3.5

Output campate

Campata 1, sezione R 130x20, asta 101

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	7.92	5.1	14.07	5.3	144312	SLU 51	159852	780535	0.269	4.88							Si
78	7.92	5.1	14.07	5.3	240209	SLU 51	240209	780535	0.269	3.25							Si
107	7.92	5.1	14.07	5.3	228650	SLU 51	233571	780535	0.269	3.34							Si
213	7.92	5.1	14.07	5.3	-12742	SLU 14	2961	780535	0.269	263.62	-40334	SLU 39	-40334	-559072	0.258	13.86	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	7.92	5.1	14.07	5.3	514854	SLV 5	514854	713056	0.313	1.38	-352659	SLV 11	-352659	-441401	0.258	1.25	Si
107	7.92	5.1	14.07	5.3	193934	SLV 5	219708	713056	0.313	3.25							Si
213	7.92	5.1	14.07	5.3	285112	SLV 11	285112	713056	0.313	2.5	-321526	SLV 5	-321526	-441401	0.258	1.37	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	7.92	5.1	14.07	5.3	251216	SLD 5	251216	713056	0.313	2.84	-89021	SLD 11	-89021	-441401	0.258	4.96	Si
107	7.92	5.1	14.07	5.3	153860	SLD 5	165621	713056	0.313	4.31							Si
213	7.92	5.1	14.07	5.3	100709	SLD 11	106498	713056	0.313	6.7	-137123	SLD 5	-137123	-441401	0.258	3.22	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.28	14.07	0	1864	SLU 49	1864	12970	74826	14508	14508	1	7.78	Si
107	0.28	14.07	0	-647	SLU 52	-647	-12970	-74826	-14508	-14508	1	22.42	Si
213	0.28	7.92	0	-3145	SLU 52	-3145	-10804	-75844	-14705	-14705	1	4.68	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.28	7.92	0	3670	SLV 11	3670	10804	75844	14705	14705	1	4.01	Si
0	0.28	14.07	0	-1613	SLV 5	-1613	-12970	-74826	-14508	-14508	1	8.99	Si
107	0.28	14.07	0	2286	SLV 11	2286	12970	74826	14508	14508	1	6.35	Si
107	0.28	14.07	0	-2998	SLV 5	-2998	-12970	-74826	-14508	-14508	1	4.84	Si
213	0.28	14.07	0	901	SLV 11	901	12970	74826	14508	14508	1	16.1	Si
213	0.28	7.92	0	-4382	SLV 5	-4382	-10804	-75844	-14705	-14705	1	3.36	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.28	7.92	0	2064	SLD 11	2064	10804	75844	14705	14705	1	7.12	Si
0	0.28	14.07	0	-8	SLD 5	-8	-12970	-74826	-14508	-14508	1	1924.82	Si
107	0.28	14.07	0	680	SLD 11	680	12970	74826	14508	14508	1	21.34	Si
107	0.28	14.07	0	-1392	SLD 5	-1392	-12970	-74826	-14508	-14508	1	10.42	Si
213	0.28	7.92	0	-2777	SLD 5	-2777	-10804	-75844	-14705	-14705	1	5.3	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	102724	12	113580	12.2	184.3	178.5	3600	81097	2	89720	9.7	138.2			Si
107	160812	12	164354	17.7	184.3	258.3	3600	127969	2	130690	14.1	138.2			Si
213	-27348	13	-27348	2.9	184.3	44.2	3600	-18207	2	-18207	1.9	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
99	0.037	0.026	0.035	0.025	0.031	0.026	0.03	0.025	0.029	0.026	0.079	2	0.07	2	2697	Si
107	0.037	0.026	0.035	0.025	0.031	0.026	0.03	0.025	0.029	0.026	0.079	2	0.07	2	2710	Si

Trave 30x40 dx

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x40	Rettangolare	30	40	3.5	3.5	3.5

Output campate

Campata 1, sezione R 30x40, asta 76

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-240520	SLU 47	-217095	-760524	0.161	3.5	Si
15	6.03	5.5	6.03	5.5							-194464	SLU 51	-194464	-760524	0.161	3.91	Si
43	6.03	5.5	6.03	5.5							-112957	SLU 51	-159146	-760524	0.161	4.78	Si
80	6.03	5.5	6.03	5.5	15671	SLU 5	15671	760524	0.161	48.53	-16137	SLU 49	-55012	-760524	0.161	13.82	Si
85	6.03	5.5	6.03	5.5	25451	SLU 31	24774	760524	0.161	30.7	-4340	SLU 23	-4340	-760524	0.161	175.23	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	7759	SLV 9	7759	724241	0.258	93.34	-279337	SLV 7	-194300	-724241	0.258	3.73	Si
11	6.03	5.5	6.03	5.5	20552	SLV 11	18020	724241	0.258	40.19	-253397	SLV 5	-249323	-724241	0.258	2.9	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
15	6.03	5.5	6.03	5.5	24616	SLV 11	41628	724241	0.258	17.4	-245099	SLV 5	-245099	-724241	0.258	2.95	Si
43	6.03	5.5	6.03	5.5	53987	SLV 11	69902	724241	0.258	10.36	-184290	SLV 5	-218703	-724241	0.258	3.31	Si
80	6.03	5.5	6.03	5.5	91034	SLV 11	91034	724241	0.258	7.96	-105685	SLV 5	-137977	-724241	0.258	5.25	Si
85	6.03	5.5	6.03	5.5	95736	SLV 11	95470	724241	0.258	7.59	-95600	SLV 5	-95600	-724241	0.258	7.58	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-205731	SLD 7	-163853	-724241	0.258	4.42	Si
11	6.03	5.5	6.03	5.5							-183207	SLD 5	-180856	-724241	0.258	4	Si
15	6.03	5.5	6.03	5.5							-176007	SLD 5	-176007	-724241	0.258	4.11	Si
43	6.03	5.5	6.03	5.5	-6975	SLD 11	13471	724241	0.258	53.76	-123327	SLD 5	-153124	-724241	0.258	4.73	Si
80	6.03	5.5	6.03	5.5	40710	SLD 11	40710	724241	0.258	17.79	-55361	SLD 5	-83277	-724241	0.258	8.7	Si
85	6.03	5.5	6.03	5.5	46776	SLD 11	46501	724241	0.258	15.57	-46640	SLD 5	-46640	-724241	0.258	15.53	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0	6.03	0	3231	SLU 47	3231	5722	40526	0	5722	1	1.77	Si
15	0.153	6.03	0	3172	SLU 47	3172	5722	40526	18614	18614	1	5.87	Si
43	0.153	6.03	0	3065	SLU 47	3065	5722	40526	18614	18614	1	6.07	Si
80	0.153	6.03	0	2919	SLU 47	2919	5722	40526	18614	18614	1	6.38	Si
85	0.153	6.03	0	2899	SLU 47	2899	5722	40526	18614	18614	1	6.42	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0	6.03	0	2342	SLV 7	2342	5722	40526	0	5722	1	2.44	Si
15	0.153	6.03	0	2297	SLV 7	2297	5722	40526	18614	18614	1	8.1	Si
43	0.153	6.03	0	2215	SLV 7	2215	5722	40526	18614	18614	1	8.4	Si
80	0.153	6.03	0	2102	SLV 7	2102	5722	40526	18614	18614	1	8.85	Si
85	0.153	6.03	0	2087	SLV 7	2087	5722	40526	18614	18614	1	8.92	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0	6.03	0	2016	SLD 7	2016	5722	40526	0	5722	1	2.84	Si
15	0.153	6.03	0	1971	SLD 7	1971	5722	40526	18614	18614	1	9.44	Si
43	0.153	6.03	0	1889	SLD 7	1889	5722	40526	18614	18614	1	9.85	Si
80	0.153	6.03	0	1776	SLD 7	1776	5722	40526	18614	18614	1	10.48	Si
85	0.153	6.03	0	1761	SLD 7	1761	5722	40526	18614	18614	1	10.57	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-170972	8	-154275	15.6	184.3	233.7	3600	-135789	2	-122848	12.4	138.2			Si
15	-138153	12	-138153	14	184.3	209.3	3600	-110242	2	-110242	11.1	138.2			Si
43	-80171	12	-113008	11.4	184.3	171.2	3600	-65151	2	-90626	9.2	138.2			Si
80	8178	5	8178	0.8	184.3	12.4	3600								Si
80	-11144	10	-38869	3.9	184.3	58.9	3600	-7326	2	-31031	3.1	138.2			Si
85	17084	5	16532	1.7	184.3	25	3600	1156	1	907	0.1	138.2			Si
85	-2471	10	-2471	0.2	184.3	3.7	3600								Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
43	0.011	0.007	0.01	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.017	2	0.016	2	9999	Si
80	0.023	0.016	0.02	0.013	0.018	0.016	0.015	0.013	0.017	0.016	0.037	2	0.034	2	9999	Si
85	0.025	0.017	0.022	0.014	0.019	0.017	0.016	0.014	0.018	0.017	0.039	2	0.037	2	9999	Si

Campata 2, sezione R 30x40, asta 77

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	25451	SLU 31	24774	760524	0.161	30.7	-4339	SLU 23	-4339	-760524	0.161	175.26	Si
5	6.03	5.5	6.03	5.5	34536	SLU 44	65082	760524	0.161	11.69							Si
50	6.03	5.5	6.03	5.5	123806	SLU 48	153903	760524	0.161	4.94							Si
95	6.03	5.5	6.03	5.5	207844	SLU 47	207844	760524	0.161	3.66							Si
100	6.03	5.5	6.03	5.5	216761	SLU 47	215838	760524	0.161	3.52							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	95736	SLV 11	95470	724241	0.258	7.59	-95599	SLV 5	-95599	-724241	0.258	7.58	Si
5	6.03	5.5	6.03	5.5	99278	SLV 11	110105	724241	0.258	6.58	-86728	SLV 5	-86728	-724241	0.258	8.35	Si
50	6.03	5.5	6.03	5.5	129321	SLV 7	139343	724241	0.258	5.2	-11721	SLV 9	-36833	-724241	0.258	19.66	Si
95	6.03	5.5	6.03	5.5	158419	SLV 7	158419	724241	0.258	4.57							Si
100	6.03	5.5	6.03	5.5	161830	SLV 7	161632	724241	0.258	4.48							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	46776	SLD 11	46501	724241	0.258	15.57	-46639	SLD 5	-46639	-724241	0.258	15.53	Si
5	6.03	5.5	6.03	5.5	51664	SLD 11	66599	724241	0.258	10.87	-39114	SLD 5	-39114	-724241	0.258	18.52	Si
50	6.03	5.5	6.03	5.5	92801	SLD 7	106042	724241	0.258	6.83							Si
95	6.03	5.5	6.03	5.5	129588	SLD 7	129588	724241	0.258	5.59							Si
100	6.03	5.5	6.03	5.5	133505	SLD 7	133258	724241	0.258	5.43							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	2163	SLU 47	2163	5722	40526	18614	18614	1	8.61	Si
5	0.153	6.03	0	2143	SLU 47	2143	5722	40526	18614	18614	1	8.69	Si
50	0.153	6.03	0	1968	SLU 47	1968	5722	40526	18614	18614	1	9.46	Si
95	0.153	6.03	0	1792	SLU 47	1792	5722	40526	18614	18614	1	10.39	Si
100	0.153	6.03	0	1773	SLU 47	1773	5722	40526	18614	18614	1	10.5	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1866	SLV 7	1866	5722	40526	18614	18614	1	9.98	Si
5	0.153	6.03	0	1851	SLV 7	1851	5722	40526	18614	18614	1	10.06	Si
50	0.153	6.03	0	1716	SLV 7	1716	5722	40526	18614	18614	1	10.85	Si
95	0.153	6.03	0	1581	SLV 7	1581	5722	40526	18614	18614	1	11.77	Si
100	0.153	6.03	0	1566	SLV 7	1566	5722	40526	18614	18614	1	11.89	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1540	SLD 7	1540	5722	40526	18614	18614	1	12.09	Si
5	0.153	6.03	0	1525	SLD 7	1525	5722	40526	18614	18614	1	12.21	Si
50	0.153	6.03	0	1390	SLD 7	1390	5722	40526	18614	18614	1	13.39	Si
95	0.153	6.03	0	1255	SLD 7	1255	5722	40526	18614	18614	1	14.83	Si
100	0.153	6.03	0	1240	SLD 7	1240	5722	40526	18614	18614	1	15.01	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	17085	5	16532	1.7	184.3	25	3600	1157	1	907	0.1	138.2			Si
0	-2471	10	-2471	0.2	184.3	3.7	3600								Si
5	23714	5	45650	4.6	184.3	69.2	3600	6936	1	25296	2.6	138.2			Si
50	87469	9	108823	11	184.3	164.8	3600	58800	2	75696	7.6	138.2			Si
95	146925	8	146925	14.8	184.3	222.6	3600	105242	2	105242	10.6	138.2			Si
100	153202	8	152580	15.4	184.3	231.1	3600	110032	2	109753	11.1	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.025	0.017	0.022	0.014	0.019	0.017	0.016	0.014	0.018	0.017	0.039	2	0.037	2	9999	Si
5	0.027	0.018	0.023	0.015	0.02	0.018	0.018	0.015	0.019	0.018	0.042	2	0.039	2	9999	Si
50	0.041	0.027	0.035	0.024	0.031	0.028	0.027	0.024	0.03	0.028	0.066	2	0.061	2	6837	Si
95	0.051	0.035	0.044	0.03	0.04	0.035	0.035	0.03	0.038	0.035	0.084	2	0.078	2	5350	Si
100	0.052	0.035	0.045	0.031	0.04	0.036	0.035	0.031	0.039	0.036	0.085	2	0.079	2	5254	Si

Campata 3 - , sezione R 30x40, asta 78

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	216762	SLU 47	215838	760524	0.161	3.52							Si
5	6.03	5.5	6.03	5.5	221892	SLU 47	237378	760524	0.161	3.2							Si
35	6.03	5.5	6.03	5.5	250637	SLU 47	264283	760524	0.161	2.88							Si
63	6.03	5.5	6.03	5.5	274298	SLU 47	279735	760524	0.161	2.72							Si
70	6.03	5.5	6.03	5.5	279735	SLU 47	279735	760524	0.161	2.72							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	161831	SLV 7	161632	724241	0.258	4.48							Si
5	6.03	5.5	6.03	5.5	164217	SLV 7	172338	724241	0.258	4.2							Si
35	6.03	5.5	6.03	5.5	180748	SLV 7	191220	724241	0.258	3.79							Si
70	6.03	5.5	6.03	5.5	205614	SLV 7	205614	724241	0.258	3.52							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	133505	SLD 7	133258	724241	0.258	5.43							Si
5	6.03	5.5	6.03	5.5	136300	SLD 7	145057	724241	0.258	4.99							Si
35	6.03	5.5	6.03	5.5	153149	SLD 7	162344	724241	0.258	4.46							Si
70	6.03	5.5	6.03	5.5	174096	SLD 7	174096	724241	0.258	4.16							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1216	SLU 49	1216	5722	40526	18614	18614	1	15.31	Si
5	0.153	6.03	0	1197	SLU 49	1197	5722	40526	18614	18614	1	15.55	Si
35	0.153	6.03	0	1080	SLU 49	1080	5722	40526	18614	18614	1	17.24	Si
70	0.153	6.03	0	943	SLU 49	943	5722	40526	18614	18614	1	19.74	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1345	SLV 7	1345	5722	40526	18614	18614	1	13.84	Si
5	0.153	6.03	0	1330	SLV 7	1330	5722	40526	18614	18614	1	14	Si
35	0.153	6.03	0	1240	SLV 7	1240	5722	40526	18614	18614	1	15.01	Si
70	0.153	6.03	0	1135	SLV 7	1135	5722	40526	18614	18614	1	16.4	Si
70	0.153	6.03	0	-98	SLV 9	-98	-5722	-40526	-18614	-18614	1	190.12	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1019	SLD 7	1019	5722	40526	18614	18614	1	18.27	Si
5	0.153	6.03	0	1004	SLD 7	1004	5722	40526	18614	18614	1	18.54	Si
35	0.153	6.03	0	914	SLD 7	914	5722	40526	18614	18614	1	20.37	Si
70	0.153	6.03	0	809	SLD 7	809	5722	40526	18614	18614	1	23.01	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	153203	8	152580	15.4	184.3	231.1	3600	110032	2	109753	11.1	138.2			Si
5	156920	8	168114	17	184.3	254.7	3600	113636	2	124470	12.6	138.2			Si
35	177660	8	187438	18.9	184.3	283.9	3600	133690	2	143109	14.5	138.2			Si
70	198442	8	198442	20	184.3	300.6	3600	153673	2	153673	15.5	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.052	0.035	0.045	0.031	0.04	0.036	0.035	0.031	0.039	0.036	0.085	2	0.079	2	5254	Si
5	0.053	0.036	0.046	0.031	0.041	0.036	0.036	0.031	0.039	0.036	0.087	2	0.08	2	5169	Si
35	0.056	0.038	0.048	0.033	0.044	0.038	0.038	0.033	0.042	0.039	0.092	2	0.086	2	4852	Si
51	0.056	0.039	0.049	0.034	0.044	0.039	0.038	0.034	0.042	0.039	0.093	2	0.086	2	4804	Si
70	0.055	0.038	0.048	0.033	0.044	0.038	0.038	0.033	0.042	0.039	0.092	2	0.085	2	4857	Si

Campata 4 , sezione R 30x40, asta 79

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	257240	SLU 47	257240	760524	0.161	2.96							Si
4	6.03	5.5	6.03	5.5	254143	SLU 47	257240	760524	0.161	2.96							Si
15	6.03	5.5	6.03	5.5	245304	SLU 47	257240	760524	0.161	2.96							Si
25	6.03	5.5	6.03	5.5	236858	SLU 47	249947	760524	0.161	3.04							Si
30	6.03	5.5	6.03	5.5	232489	SLU 47	232489	760524	0.161	3.27							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	188487	SLV 7	188487	724241	0.258	3.84							Si
15	6.03	5.5	6.03	5.5	182296	SLV 7	188487	724241	0.258	3.84							Si
25	6.03	5.5	6.03	5.5	178083	SLV 7	184669	724241	0.258	3.92							Si
30	6.03	5.5	6.03	5.5	175949	SLV 7	175949	724241	0.258	4.12							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	159575	SLD 7	159575	724241	0.258	4.54							Si
15	6.03	5.5	6.03	5.5	153568	SLD 7	159575	724241	0.258	4.54							Si
25	6.03	5.5	6.03	5.5	149361	SLD 7	155895	724241	0.258	4.65							Si
30	6.03	5.5	6.03	5.5	147197	SLD 7	147197	724241	0.258	4.92							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-774	SLU 48	-774	-5722	-40526	-18614	-18614	1	24.06	Si
15	0.153	6.03	0	-832	SLU 48	-832	-5722	-40526	-18614	-18614	1	22.37	Si
25	0.153	6.03	0	-871	SLU 48	-871	-5722	-40526	-18614	-18614	1	21.37	Si
30	0.153	6.03	0	-891	SLU 48	-891	-5722	-40526	-18614	-18614	1	20.9	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-708	SLV 7	-708	-5722	-40526	-18614	-18614	1	26.29	Si
15	0.153	6.03	0	-753	SLV 7	-753	-5722	-40526	-18614	-18614	1	24.72	Si
25	0.153	6.03	0	-783	SLV 7	-783	-5722	-40526	-18614	-18614	1	23.77	Si
30	0.153	6.03	0	-798	SLV 7	-798	-5722	-40526	-18614	-18614	1	23.32	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-537	SLD 7	-537	-5722	-40526	-18614	-18614	1	34.69	Si
15	0.153	6.03	0	-582	SLD 7	-582	-5722	-40526	-18614	-18614	1	32	Si
25	0.153	6.03	0	-612	SLD 7	-612	-5722	-40526	-18614	-18614	1	30.43	Si
30	0.153	6.03	0	-627	SLD 7	-627	-5722	-40526	-18614	-18614	1	29.7	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	182413	8	182413	18.4	184.3	276.3	3600	140844	2	140844	14.2	138.2			Si
15	173944	8	182413	18.4	184.3	276.3	3600	134901	2	140844	14.2	138.2			Si
25	167923	8	177244	17.9	184.3	268.5	3600	130563	2	137240	13.9	138.2			Si
30	164800	8	164800	16.6	184.3	249.6	3600	128282	2	128282	13	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.055	0.038	0.048	0.033	0.044	0.038	0.038	0.033	0.042	0.039	0.092	2	0.085	2	4857	Si
15	0.054	0.037	0.046	0.032	0.043	0.037	0.037	0.032	0.041	0.038	0.09	2	0.083	2	4988	Si
25	0.052	0.036	0.045	0.031	0.042	0.036	0.036	0.032	0.04	0.037	0.087	2	0.081	2	5122	Si
30	0.051	0.036	0.044	0.031	0.041	0.036	0.036	0.031	0.039	0.036	0.086	2	0.08	2	5205	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	222930	SLU 47	218245	760524	0.161	3.48							Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
5	6.03	5.5	6.03	5.5	213511	SLU 47	213511	760524	0.161	3.56							Si
50	6.03	5.5	6.03	5.5	126335	SLU 51	157544	760524	0.161	4.83							Si
95	6.03	5.5	6.03	5.5	48685	SLU 49	76445	760524	0.161	9.95							Si
100	6.03	5.5	6.03	5.5	39644	SLU 49	39644	760524	0.161	19.18							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	172783	SLV 7	170564	724241	0.258	4.25							Si
5	6.03	5.5	6.03	5.5	167435	SLV 7	167435	724241	0.258	4.33							Si
50	6.03	5.5	6.03	5.5	117312	SLV 7	135202	724241	0.258	5.36							Si
95	6.03	5.5	6.03	5.5	84841	SLV 7	99509	724241	0.258	7.28	-32578	SLV 9	-32578	-724241	0.258	22.23	Si
100	6.03	5.5	6.03	5.5	80058	SLV 7	80058	724241	0.258	9.05	-39210	SLV 9	-34687	-724241	0.258	20.88	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	143640	SLD 7	141357	724241	0.258	5.12							Si
5	6.03	5.5	6.03	5.5	138567	SLD 7	138567	724241	0.258	5.23							Si
50	6.03	5.5	6.03	5.5	90276	SLD 7	107665	724241	0.258	6.73							Si
95	6.03	5.5	6.03	5.5	51391	SLD 7	67335	724241	0.258	10.76							Si
100	6.03	5.5	6.03	5.5	46179	SLD 7	46179	724241	0.258	15.68	-5331	SLD 9	-1615	-724241	0.258	448.46	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-1876	SLU 48	-1876	-5722	-40526	-18614	-18614	1	9.92	Si
5	0.153	6.03	0	-1895	SLU 48	-1895	-5722	-40526	-18614	-18614	1	9.82	Si
50	0.153	6.03	0	-2071	SLU 48	-2071	-5722	-40526	-18614	-18614	1	8.99	Si
95	0.153	6.03	0	-2131	SLU 48	-2131	-5722	-40526	-18614	-18614	1	8.74	Si
100	0.153	6.03	0	-2150	SLU 48	-2150	-5722	-40526	-18614	-18614	1	8.66	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-1246	SLV 3	-1246	-5722	-40526	-18614	-18614	1	14.94	Si
5	0.153	6.03	0	-1261	SLV 3	-1261	-5722	-40526	-18614	-18614	1	14.77	Si
50	0.153	6.03	0	-1396	SLV 3	-1396	-5722	-40526	-18614	-18614	1	13.34	Si
95	0.153	6.03	0	-1436	SLV 3	-1436	-5722	-40526	-18614	-18614	1	12.96	Si
100	0.153	6.03	0	-1451	SLV 3	-1451	-5722	-40526	-18614	-18614	1	12.83	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-1103	SLD 3	-1103	-5722	-40526	-18614	-18614	1	16.88	Si
5	0.153	6.03	0	-1118	SLD 3	-1118	-5722	-40526	-18614	-18614	1	16.65	Si
50	0.153	6.03	0	-1253	SLD 3	-1253	-5722	-40526	-18614	-18614	1	14.85	Si
95	0.153	6.03	0	-1273	SLD 3	-1273	-5722	-40526	-18614	-18614	1	14.62	Si
100	0.153	6.03	0	-1288	SLD 3	-1288	-5722	-40526	-18614	-18614	1	14.45	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	158124	8	154816	15.6	184.3	234.5	3600	124367	2	121898	12.3	138.2			Si
5	151470	8	151470	15.3	184.3	229.4	3600	119391	2	119391	12.1	138.2			Si
50	89534	12	111765	11.3	184.3	169.3	3600	71227	2	88723	9	138.2			Si
95	33974	10	53957	5.4	184.3	81.7	3600	26131	2	43568	4.4	138.2			Si
100	27456	10	27456	2.8	184.3	41.6	3600	20424	2	20424	2.1	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.051	0.036	0.044	0.031	0.041	0.036	0.036	0.031	0.039	0.036	0.086	2	0.08	2	5205	Si
5	0.05	0.035	0.043	0.03	0.04	0.035	0.035	0.03	0.038	0.036	0.085	2	0.078	2	5299	Si
50	0.039	0.027	0.033	0.023	0.031	0.027	0.027	0.024	0.03	0.028	0.066	2	0.06	2	6832	Si
95	0.024	0.017	0.02	0.014	0.02	0.017	0.017	0.014	0.019	0.017	0.04	2	0.037	2	9999	Si
100	0.022	0.015	0.018	0.013	0.018	0.016	0.015	0.013	0.017	0.016	0.037	2	0.034	2	9999	Si

Campata 6 , sezione R 30x40, asta 82

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	86037	SLU 49	73635	760524	0.161	10.33							Si
5	6.03	5.5	6.03	5.5	61186	SLU 49	61186	760524	0.161	12.43	3037	SLU 5	-63513	-760524	0.161	11.97	Si
31	6.03	5.5	6.03	5.5	-46427	SLU 1	8951	760524	0.161	84.96	-123123	SLU 48	-216637	-760524	0.161	3.51	Si
48	6.03	5.5	6.03	5.5							-221395	SLU 48	-221395	-760524	0.161	3.44	Si
63	6.03	5.5	6.03	5.5							-311653	SLU 48	-266305	-760524	0.161	2.86	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	121322	SLV 3	114932	724241	0.258	6.3	-25901	SLV 13	-25901	-724241	0.258	27.96	Si
5	6.03	5.5	6.03	5.5	105299	SLV 3	105299	724241	0.258	6.88	-40603	SLV 13	-90296	-724241	0.258	8.02	Si
31	6.03	5.5	6.03	5.5	29197	SLV 7	72036	724241	0.258	10.05	-129827	SLV 9	-190048	-724241	0.258	3.81	Si
48	6.03	5.5	6.03	5.5	-12540	SLV 11	27158	724241	0.258	26.67	-193160	SLV 5	-193160	-724241	0.258	3.75	Si
63	6.03	5.5	6.03	5.5							-252953	SLV 5	-224879	-724241	0.258	3.22	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	77999	SLD 3	71293	724241	0.258	10.16							Si
5	6.03	5.5	6.03	5.5	62766	SLD 3	62766	724241	0.258	11.54	1931	SLD 13	-48943	-724241	0.258	14.8	Si
31	6.03	5.5	6.03	5.5	-14400	SLD 7	30379	724241	0.258	23.84	-86230	SLD 9	-141802	-724241	0.258	5.11	Si
48	6.03	5.5	6.03	5.5							-144651	SLD 5	-144651	-724241	0.258	5.01	Si
63	6.03	5.5	6.03	5.5							-199015	SLD 5	-172337	-724241	0.258	4.2	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-5801	SLU 48	-5801	-5722	-40526	-18614	-18614	1	3.21	Si
5	0.153	6.03	0	-5820	SLU 48	-5820	-5722	-40526	-18614	-18614	1	3.2	Si
31	0.153	6.03	0	-5924	SLU 48	-5924	-5722	-40526	-18614	-18614	1	3.14	Si
48	0.153	6.03	0	-5988	SLU 48	-5988	-5722	-40526	-18614	-18614	1	3.11	Si
63	0.153	6.03	0	-6047	SLU 48	-6047	-5722	-40526	-18614	-18614	1	3.08	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-4272	SLV 1	-4272	-5722	-40526	-18614	-18614	1	4.36	Si
5	0.153	6.03	0	-4287	SLV 1	-4287	-5722	-40526	-18614	-18614	1	4.34	Si
31	0.153	6.03	0	-4366	SLV 1	-4366	-5722	-40526	-18614	-18614	1	4.26	Si
48	0.153	6.03	0	-4416	SLV 1	-4416	-5722	-40526	-18614	-18614	1	4.22	Si
63	0.153	6.03	0	-4461	SLV 1	-4461	-5722	-40526	-18614	-18614	1	4.17	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-3607	SLD 1	-3607	-5722	-40526	-18614	-18614	1	5.16	Si
5	0.153	6.03	0	-3622	SLD 1	-3622	-5722	-40526	-18614	-18614	1	5.14	Si
31	0.153	6.03	0	-3701	SLD 1	-3701	-5722	-40526	-18614	-18614	1	5.03	Si
48	0.153	6.03	0	-3751	SLD 1	-3751	-5722	-40526	-18614	-18614	1	4.96	Si
63	0.153	6.03	0	-3796	SLD 1	-3796	-5722	-40526	-18614	-18614	1	4.9	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	60407	10	51541	5.2	184.3	78.1	3600	47710	2	40047	4	138.2			Si
5	42640	10	42640	4.3	184.3	64.6	3600	32348	2	32348	3.3	138.2			Si
31	-86759	9	-153103	15.5	184.3	231.9	3600	-50315	2	-100301	10.1	138.2			Si
48	-156480	9	-156480	15.8	184.3	237	3600	-102850	2	-102850	10.4	138.2			Si
63	-220570	9	-188357	19	184.3	285.3	3600	-151317	2	-126915	12.8	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.022	0.015	0.018	0.013	0.018	0.016	0.015	0.013	0.017	0.016	0.037	2	0.034	2	9999	Si
5	0.02	0.014	0.017	0.012	0.017	0.014	0.014	0.012	0.016	0.015	0.034	2	0.031	2	9999	Si
31	0.01	0.007	0.009	0.006	0.009	0.007	0.007	0.006	0.008	0.007	0.017	2	0.016	2	9999	Si
48	0.005	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.008	2	0.007	2	9999	Si

Campata 7 , sezione R 30x40, asta 83

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-400440	SLU 48	-326491	-760524	0.161	2.33	Si
15	6.03	5.5	6.03	5.5							-252980	SLU 48	-252980	-760524	0.161	3.01	Si
19	6.03	5.5	6.03	5.5							-218698	SLU 48	-252980	-760524	0.161	3.01	Si
32	6.03	5.5	6.03	5.5							-86921	SLU 44	-240290	-760524	0.161	3.17	Si
37	6.03	5.5	6.03	5.5	3069	SLU 23	3069	760524	0.161	247.84	-47913	SLU 31	-47913	-760524	0.161	15.87	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-403916	SLV 5	-348239	-724241	0.258	2.08	Si
15	6.03	5.5	6.03	5.5	49943	SLV 7	118243	724241	0.258	6.13	-302000	SLV 9	-302000	-724241	0.258	2.4	Si
19	6.03	5.5	6.03	5.5	64927	SLV 7	123988	724241	0.258	5.84	-278780	SLV 9	-302000	-724241	0.258	2.4	Si
32	6.03	5.5	6.03	5.5	123988	SLV 7	123988	724241	0.258	5.84	-191175	SLV 9	-293384	-724241	0.258	2.47	Si
37	6.03	5.5	6.03	5.5	146314	SLV 7	135762	724241	0.258	5.33	-159456	SLV 9	-159456	-724241	0.258	4.54	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-293300	SLD 5	-245826	-724241	0.258	2.95	Si
15	6.03	5.5	6.03	5.5	-49619	SLD 7	28087	724241	0.258	25.79	-202438	SLD 9	-202438	-724241	0.258	3.58	Si
19	6.03	5.5	6.03	5.5	-32351	SLD 7	34518	724241	0.258	20.98	-181502	SLD 9	-202438	-724241	0.258	3.58	Si
32	6.03	5.5	6.03	5.5	34518	SLD 7	34518	724241	0.258	20.98	-101704	SLD 9	-194680	-724241	0.258	3.72	Si
37	6.03	5.5	6.03	5.5	59374	SLD 7	47242	724241	0.258	15.33	-72517	SLD 9	-72517	-724241	0.258	9.99	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	9861	SLU 47	9861	5722	40526	18614	18614	1	1.89	Si
15	0.153	6.03	0	9802	SLU 47	9802	5722	40526	18614	18614	1	1.9	Si
19	0.153	6.03	0	9789	SLU 47	9789	5722	40526	18614	18614	1	1.9	Si
32	0.153	6.03	0	9736	SLU 47	9736	5722	40526	18614	18614	1	1.91	Si
37	0.153	6.03	0	9716	SLU 47	9716	5722	40526	18614	18614	1	1.92	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	7871	SLV 1	7871	5722	40526	18614	18614	1	2.36	Si
15	0.153	6.03	0	7826	SLV 1	7826	5722	40526	18614	18614	1	2.38	Si
19	0.153	6.03	0	7815	SLV 1	7815	5722	40526	18614	18614	1	2.38	Si
32	0.153	6.03	0	7775	SLV 1	7775	5722	40526	18614	18614	1	2.39	Si
37	0.153	6.03	0	7760	SLV 1	7760	5722	40526	18614	18614	1	2.4	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	6464	SLD 1	6464	5722	40526	18614	18614	1	2.88	Si
15	0.153	6.03	0	6419	SLD 1	6419	5722	40526	18614	18614	1	2.9	Si
19	0.153	6.03	0	6408	SLD 1	6408	5722	40526	18614	18614	1	2.9	Si
32	0.153	6.03	0	6368	SLD 1	6368	5722	40526	18614	18614	1	2.92	Si
37	0.153	6.03	0	6353	SLD 1	6353	5722	40526	18614	18614	1	2.93	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-284558	9	-231986	23.4	184.3	351.4	3600	-208309	2	-167000	16.9	138.2			Si
15	-179751	9	-179751	18.2	184.3	272.3	3600	-126029	2	-126029	12.7	138.2			Si
19	-155392	9	-179751	18.2	184.3	272.3	3600	-106927	2	-126029	12.7	138.2			Si
32	-61785	5	-170734	17.2	184.3	258.6	3600	-33594	1	-118957	12	138.2			Si
37	-31557	5	-31557	3.2	184.3	47.8	3600	-8416	1	-8416	0.8	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
15	0.001	0.001	0.001	0	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si
19	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
32	0.004	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.004	2	9999	Si
37	0.004	0.003	0.003	0.002	0.004	0.003	0.002	0.002	0.004	0.003	0.006	2	0.005	2	9999	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-119406	SLU 48	-110765	-760524	0.161	6.87	Si
5	6.03	5.5	6.03	5.5							-102172	SLU 48	-102172	-760524	0.161	7.44	Si
50	6.03	5.5	6.03	5.5	56326	SLU 49	66522	760524	0.161	11.43	21152	SLU 3	-11814	-760524	0.161	64.37	Si
95	6.03	5.5	6.03	5.5	116388	SLU 47	116388	760524	0.161	6.53							Si
100	6.03	5.5	6.03	5.5	124607	SLU 47	120522	760524	0.161	6.31							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	75549	SLV 7	75549	724241	0.258	9.59	-188937	SLV 9	-181173	-724241	0.258	4	Si
5	6.03	5.5	6.03	5.5	79808	SLV 7	92775	724241	0.258	7.81	-174680	SLV 9	-174680	-724241	0.258	4.15	Si
50	6.03	5.5	6.03	5.5	115453	SLV 7	115453	724241	0.258	6.27	-50434	SLV 9	-92933	-724241	0.258	7.79	Si
95	6.03	5.5	6.03	5.5	102213	SLV 7	102213	724241	0.258	7.09							Si
100	6.03	5.5	6.03	5.5	102845	SLV 7	102387	724241	0.258	7.07							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	242	SLD 7	242	724241	0.258	2988.01	-113630	SLD 9	-107593	-724241	0.258	6.73	Si
5	6.03	5.5	6.03	5.5	7290	SLD 7	28969	724241	0.258	25	-102162	SLD 9	-102162	-724241	0.258	7.09	Si
50	6.03	5.5	6.03	5.5	67632	SLD 7	67632	724241	0.258	10.71	-2612	SLD 9	-36593	-724241	0.258	19.79	Si
95	6.03	5.5	6.03	5.5	79409	SLD 7	79409	724241	0.258	9.12							Si
100	6.03	5.5	6.03	5.5	82017	SLD 7	80650	724241	0.258	8.98							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	3457	SLU 48	3457	5722	40526	18614	18614	1	5.38	Si
5	0.153	6.03	0	3437	SLU 48	3437	5722	40526	18614	18614	1	5.42	Si
50	0.153	6.03	0	3262	SLU 48	3262	5722	40526	18614	18614	1	5.71	Si
95	0.153	6.03	0	1665	SLU 48	1665	5722	40526	18614	18614	1	11.18	Si
100	0.153	6.03	0	1646	SLU 48	1646	5722	40526	18614	18614	1	11.31	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	2891	SLV 5	2891	5722	40526	18614	18614	1	6.44	Si
5	0.153	6.03	0	2876	SLV 5	2876	5722	40526	18614	18614	1	6.47	Si
50	0.153	6.03	0	2741	SLV 5	2741	5722	40526	18614	18614	1	6.79	Si
95	0.153	6.03	0	1590	SLV 9	1590	5722	40526	18614	18614	1	11.71	Si
100	0.153	6.03	0	1575	SLV 9	1575	5722	40526	18614	18614	1	11.82	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	2313	SLD 5	2313	5722	40526	18614	18614	1	8.05	Si
5	0.153	6.03	0	2298	SLD 5	2298	5722	40526	18614	18614	1	8.1	Si
50	0.153	6.03	0	2163	SLD 5	2163	5722	40526	18614	18614	1	8.6	Si
95	0.153	6.03	0	1163	SLD 9	1163	5722	40526	18614	18614	1	16.01	Si
100	0.153	6.03	0	1148	SLD 9	1148	5722	40526	18614	18614	1	16.22	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-84937	9	-78788	8	184.3	119.3	3600	-56694	2	-52046	5.3	138.2			Si

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
5	-72676	9	-72676	7.3	184.3	110.1	3600	-47436	2	-47436	4.8	138.2			Si
50	39478	10	47003	4.7	184.3	71.2	3600	32510	2	38108	3.8	138.2			Si
95	82261	8	82261	8.3	184.3	124.6	3600	63706	2	63706	6.4	138.2			Si
100	88050	8	85174	8.6	184.3	129	3600	67817	2	65780	6.6	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.004	0.003	0.003	0.002	0.004	0.003	0.002	0.002	0.004	0.003	0.006	2	0.005	2	9999	Si
5	0.005	0.004	0.003	0.002	0.004	0.004	0.003	0.002	0.004	0.004	0.007	2	0.007	2	9999	Si
50	0.012	0.008	0.009	0.006	0.01	0.009	0.008	0.007	0.01	0.009	0.018	2	0.017	2	9999	Si
95	0.018	0.012	0.014	0.01	0.014	0.013	0.011	0.01	0.014	0.013	0.028	2	0.026	2	9999	Si
100	0.018	0.013	0.014	0.01	0.015	0.013	0.012	0.01	0.014	0.013	0.028	2	0.027	2	9999	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	123241	SLU 47	123241	760524	0.161	6.17							Si
5	6.03	5.5	6.03	5.5	126486	SLU 47	136040	760524	0.161	5.59							Si
37	6.03	5.5	6.03	5.5	144773	SLU 47	151302	760524	0.161	5.03							Si
50	6.03	5.5	6.03	5.5	151302	SLU 47	151302	760524	0.161	5.03							Si
95	6.03	5.5	6.03	5.5	127705	SLU 47	135770	760524	0.161	5.6							Si
100	6.03	5.5	6.03	5.5	124935	SLU 47	124935	760524	0.161	6.09							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	91994	SLV 7	91772	724241	0.258	7.89							Si
5	6.03	5.5	6.03	5.5	90780	SLV 7	90780	724241	0.258	7.98							Si
50	6.03	5.5	6.03	5.5	103179	SLV 5	117598	724241	0.258	6.16							Si
95	6.03	5.5	6.03	5.5	132858	SLV 9	132858	724241	0.258	5.45							Si
100	6.03	5.5	6.03	5.5	135282	SLV 9	134145	724241	0.258	5.4	-4082	SLV 7	-1154	-724241	0.258	627.7	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	76655	SLD 7	76655	724241	0.258	9.45							Si
5	6.03	5.5	6.03	5.5	77224	SLD 7	79875	724241	0.258	9.07							Si
50	6.03	5.5	6.03	5.5	91868	SLD 5	95583	724241	0.258	7.58							Si
95	6.03	5.5	6.03	5.5	97435	SLD 9	97435	724241	0.258	7.43							Si
100	6.03	5.5	6.03	5.5	97522	SLD 9	97519	724241	0.258	7.43							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	670	SLU 48	670	5722	40526	18614	18614	1	27.79	Si
5	0.153	6.03	0	650	SLU 48	650	5722	40526	18614	18614	1	28.62	Si
50	0.153	6.03	0	475	SLU 48	475	5722	40526	18614	18614	1	39.2	Si
95	0.153	6.03	0	-558	SLU 51	-558	-5722	-40526	-18614	-18614	1	33.37	Si
100	0.153	6.03	0	-577	SLU 51	-577	-5722	-40526	-18614	-18614	1	32.24	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1118	SLV 9	1118	5722	40526	18614	18614	1	16.64	Si
0	0.153	6.03	0	-382	SLV 7	-382	-5722	-40526	-18614	-18614	1	48.75	Si
5	0.153	6.03	0	1103	SLV 9	1103	5722	40526	18614	18614	1	16.87	Si
5	0.153	6.03	0	-397	SLV 7	-397	-5722	-40526	-18614	-18614	1	46.91	Si
50	0.153	6.03	0	968	SLV 9	968	5722	40526	18614	18614	1	19.22	Si
50	0.153	6.03	0	-532	SLV 7	-532	-5722	-40526	-18614	-18614	1	35	Si
95	0.153	6.03	0	515	SLV 9	515	5722	40526	18614	18614	1	36.16	Si
95	0.153	6.03	0	-1201	SLV 7	-1201	-5722	-40526	-18614	-18614	1	15.5	Si
100	0.153	6.03	0	500	SLV 9	500	5722	40526	18614	18614	1	37.24	Si
100	0.153	6.03	0	-1216	SLV 7	-1216	-5722	-40526	-18614	-18614	1	15.31	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	697	SLD 9	697	5722	40526	18614	18614	1	26.71	Si
5	0.153	6.03	0	682	SLD 9	682	5722	40526	18614	18614	1	27.29	Si
50	0.153	6.03	0	547	SLD 9	547	5722	40526	18614	18614	1	34.03	Si
50	0.153	6.03	0	-110	SLD 7	-110	-5722	-40526	-18614	-18614	1	168.72	Si
95	0.153	6.03	0	34	SLD 9	34	5722	40526	18614	18614	1	553.95	Si
95	0.153	6.03	0	-720	SLD 7	-720	-5722	-40526	-18614	-18614	1	25.86	Si
100	0.153	6.03	0	19	SLD 9	19	5722	40526	18614	18614	1	1000.65	Si
100	0.153	6.03	0	-735	SLD 7	-735	-5722	-40526	-18614	-18614	1	25.33	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	87241	8	87241	8.8	184.3	132.2	3600	66586	2	66586	6.7	138.2			Si
5	89574	8	96410	9.7	184.3	146	3600	68390	2	73567	7.4	138.2			Si
50	107191	8	107191	10.8	184.3	162.4	3600	81253	2	81253	8.2	138.2			Si
95	90554	8	96353	9.7	184.3	146	3600	67353	2	72368	7.3	138.2			Si
100	88551	8	88551	8.9	184.3	134.1	3600	65600	2	65600	6.6	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.018	0.013	0.014	0.01	0.015	0.013	0.012	0.01	0.014	0.013	0.028	2	0.027	2	9999	Si
5	0.018	0.013	0.015	0.01	0.015	0.013	0.012	0.011	0.014	0.014	0.029	2	0.027	2	9999	Si
43	0.02	0.014	0.016	0.011	0.016	0.014	0.013	0.012	0.016	0.015	0.032	2	0.03	2	9999	Si
50	0.02	0.014	0.016	0.011	0.016	0.014	0.013	0.012	0.016	0.015	0.032	2	0.03	2	9999	Si
95	0.017	0.012	0.014	0.01	0.014	0.013	0.011	0.01	0.014	0.013	0.027	2	0.026	2	9999	Si
100	0.017	0.012	0.013	0.01	0.014	0.012	0.011	0.01	0.013	0.012	0.027	2	0.025	2	9999	Si

Campata 10 , sezione R 30x40, aste 88, 89

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	125677	SLU 48	122129	760524	0.161	6.23							Si
5	6.03	5.5	6.03	5.5	118534	SLU 48	118534	760524	0.161	6.42							Si
49	6.03	5.5	6.03	5.5	51485	SLU 48	121681	760524	0.161	6.25							Si
83	6.03	5.5	6.03	5.5	-34167	SLU 2	49178	760524	0.161	15.46	-87699	SLU 51	-87699	-760524	0.161	8.67	Si
98	6.03	5.5	6.03	5.5							-218529	SLU 51	-152895	-760524	0.161	4.97	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	137785	SLV 5	137785	724241	0.258	5.26	-3775	SLV 11	-3775	-724241	0.258	191.85	Si
5	6.03	5.5	6.03	5.5	140402	SLV 5	148196	724241	0.258	4.89	-13724	SLV 11	-45521	-724241	0.258	15.91	Si
49	6.03	5.5	6.03	5.5	160508	SLV 9	205915	724241	0.258	3.52	-104791	SLV 7	-118833	-724241	0.258	6.09	Si
83	6.03	5.5	6.03	5.5	159742	SLV 9	187615	724241	0.258	3.86	-251934	SLV 7	-251934	-724241	0.258	2.87	Si
98	6.03	5.5	6.03	5.5	136639	SLV 9	136639	724241	0.258	5.3	-376616	SLV 7	-315922	-724241	0.258	2.29	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	99409	SLD 5	99383	724241	0.258	7.29							Si
5	6.03	5.5	6.03	5.5	98536	SLD 5	98536	724241	0.258	7.35							Si
49	6.03	5.5	6.03	5.5	87743	SLD 9	131831	724241	0.258	5.49	-32026	SLD 7	-41466	-724241	0.258	17.47	Si
83	6.03	5.5	6.03	5.5	46281	SLD 9	101186	724241	0.258	7.16	-138472	SLD 7	-138472	-724241	0.258	5.23	Si
98	6.03	5.5	6.03	5.5							-234620	SLD 7	-187108	-724241	0.258	3.87	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-1434	SLU 47	-1434	-5722	-40526	-18614	-18614	1	12.98	Si
5	0.153	6.03	0	-1454	SLU 47	-1454	-5722	-40526	-18614	-18614	1	12.81	Si
49	0.153	6.03	0	-1625	SLU 47	-1625	-5722	-40526	-18614	-18614	1	11.45	Si
83	0.153	6.03	0	-8693	SLU 51	-8693	-5722	-40526	-18614	-18614	1	2.14	Si
98	0	6.03	0	-8751	SLU 51	-8751	-5722	-40526	0	-5722	1	0.65	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	546	SLV 9	546	5722	40526	18614	18614	1	34.11	Si
0	0.153	6.03	0	-1997	SLV 7	-1997	-5722	-40526	-18614	-18614	1	9.32	Si
5	0.153	6.03	0	531	SLV 9	531	5722	40526	18614	18614	1	35.07	Si
5	0.153	6.03	0	-2012	SLV 7	-2012	-5722	-40526	-18614	-18614	1	9.25	Si
49	0.153	6.03	0	399	SLV 9	399	5722	40526	18614	18614	1	46.68	Si
49	0.153	6.03	0	-2144	SLV 7	-2144	-5722	-40526	-18614	-18614	1	8.68	Si
83	0.153	6.03	0	-8817	SLV 3	-8817	-5722	-40526	-18614	-18614	1	2.11	Si
98	0	6.03	0	-8862	SLV 3	-8862	-5722	-40526	0	-5722	1	0.65	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-1290	SLD 7	-1290	-5722	-40526	-18614	-18614	1	14.43	Si
5	0.153	6.03	0	-1305	SLD 7	-1305	-5722	-40526	-18614	-18614	1	14.27	Si
49	0.153	6.03	0	-1437	SLD 7	-1437	-5722	-40526	-18614	-18614	1	12.96	Si
83	0.153	6.03	0	-6547	SLD 3	-6547	-5722	-40526	-18614	-18614	1	2.84	Si
98	0	6.03	0	-6592	SLD 3	-6592	-5722	-40526	0	-5722	1	0.87	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	89246	9	86750	8.8	184.3	131.4	3600	67005	2	65190	6.6	138.2			Si
5	84218	9	84218	8.5	184.3	127.6	3600	63339	2	63339	6.4	138.2			Si
49	36753	9	86487	8.7	184.3	131	3600	27858	2	71696	7.2	138.2			Si
83	-61628	12	-61628	6.2	184.3	93.4	3600	-46096	2	-46096	4.7	138.2			Si
98	-154251	12	-107771	10.9	184.3	163.3	3600	-119989	2	-82874	8.4	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.017	0.012	0.013	0.01	0.014	0.012	0.011	0.01	0.013	0.012	0.027	2	0.025	2	9999	Si
5	0.016	0.012	0.013	0.009	0.013	0.012	0.01	0.009	0.013	0.012	0.026	2	0.024	2	9999	Si
49	0.01	0.007	0.008	0.005	0.008	0.007	0.006	0.005	0.008	0.007	0.015	2	0.014	2	9999	Si
83	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si

Trave 30x40 sx

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x40	Rettangolare	30	40	3.5	3.5	3.5

Output campate

Campata 1, sezione R 30x40, asta 61

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-343387	SLU 51	-314365	-760524	0.161	2.42	Si
15	6.03	5.5	6.03	5.5							-285779	SLU 51	-285779	-760524	0.161	2.66	Si
43	6.03	5.5	6.03	5.5							-182434	SLU 51	-241094	-760524	0.161	3.15	Si
80	6.03	5.5	6.03	5.5							-54371	SLU 49	-105116	-760524	0.161	7.24	Si
85	6.03	5.5	6.03	5.5	7515	SLU 5	6852	760524	0.161	110.99	-38415	SLU 49	-38415	-760524	0.161	19.8	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-328083	SLV 9	-310288	-724241	0.258	2.33	Si
15	6.03	5.5	6.03	5.5	-28013	SLV 7	1000	724241	0.258	724.13	-292220	SLV 9	-292220	-724241	0.258	2.48	Si
43	6.03	5.5	6.03	5.5	22329	SLV 7	50110	724241	0.258	14.45	-228307	SLV 9	-264516	-724241	0.258	2.74	Si
80	6.03	5.5	6.03	5.5	87503	SLV 11	87503	724241	0.258	8.28	-145001	SLV 5	-179352	-724241	0.258	4.04	Si
85	6.03	5.5	6.03	5.5	95892	SLV 11	95613	724241	0.258	7.57	-134226	SLV 5	-134226	-724241	0.258	5.4	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-246341	SLD 9	-229489	-724241	0.258	3.16	Si
15	6.03	5.5	6.03	5.5							-212735	SLD 9	-212735	-724241	0.258	3.4	Si
43	6.03	5.5	6.03	5.5							-152909	SLD 9	-186793	-724241	0.258	3.88	Si
80	6.03	5.5	6.03	5.5	17569	SLD 11	17569	724241	0.258	41.22	-75067	SLD 5	-107144	-724241	0.258	6.76	Si
85	6.03	5.5	6.03	5.5	26677	SLD 11	26398	724241	0.258	27.44	-65011	SLD 5	-65011	-724241	0.258	11.14	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0	6.03	0	4002	SLU 47	4002	5722	40526	0	5722	1	1.43	Si
15	0.153	6.03	0	3943	SLU 47	3943	5722	40526	18614	18614	1	4.72	Si
43	0.153	6.03	0	3836	SLU 47	3836	5722	40526	18614	18614	1	4.85	Si
80	0.153	6.03	0	3690	SLU 47	3690	5722	40526	18614	18614	1	5.04	Si
85	0.153	6.03	0	3670	SLU 47	3670	5722	40526	18614	18614	1	5.07	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0	6.03	0	2454	SLV 9	2454	5722	40526	0	5722	1	2.33	Si
15	0.153	6.03	0	2409	SLV 9	2409	5722	40526	18614	18614	1	7.73	Si
43	0.153	6.03	0	2327	SLV 9	2327	5722	40526	18614	18614	1	8	Si
80	0.153	6.03	0	2214	SLV 9	2214	5722	40526	18614	18614	1	8.41	Si
85	0.153	6.03	0	2199	SLV 9	2199	5722	40526	18614	18614	1	8.46	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0	6.03	0	2279	SLD 9	2279	5722	40526	0	5722	1	2.51	Si
15	0.153	6.03	0	2234	SLD 9	2234	5722	40526	18614	18614	1	8.33	Si
43	0.153	6.03	0	2151	SLD 9	2151	5722	40526	18614	18614	1	8.65	Si
80	0.153	6.03	0	2039	SLD 9	2039	5722	40526	18614	18614	1	9.13	Si
85	0.153	6.03	0	2024	SLD 9	2024	5722	40526	18614	18614	1	9.2	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-243428	12	-222780	22.5	184.3	337.5	3600	-192229	2	-176005	17.8	138.2			Si
15	-202467	12	-202467	20.4	184.3	306.7	3600	-160116	2	-160116	16.2	138.2			Si
43	-129119	12	-170731	17.2	184.3	258.6	3600	-102989	2	-135337	13.7	138.2			Si
80	-38162	10	-74261	7.5	184.3	112.5	3600	-28749	2	-59329	6	138.2			Si
85	-26822	10	-26822	2.7	184.3	40.6	3600	-19167	2	-19167	1.9	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.004	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si
43	0.013	0.009	0.011	0.007	0.01	0.009	0.008	0.007	0.009	0.009	0.02	2	0.019	2	9999	Si
80	0.028	0.019	0.024	0.016	0.022	0.019	0.019	0.016	0.02	0.019	0.045	2	0.042	2	9993	Si
85	0.03	0.02	0.026	0.018	0.023	0.02	0.02	0.018	0.022	0.02	0.048	2	0.045	2	9263	Si

Campata 2, sezione R 30x40, asta 62

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	7515	SLU 5	6852	760524	0.161	110.99	-38416	SLU 49	-38416	-760524	0.161	19.8	Si
5	6.03	5.5	6.03	5.5	16360	SLU 5	50255	760524	0.161	15.13	-24612	SLU 49	-24612	-760524	0.161	30.9	Si
50	6.03	5.5	6.03	5.5	129103	SLU 48	171235	760524	0.161	4.44							Si
95	6.03	5.5	6.03	5.5	247377	SLU 47	247377	760524	0.161	3.07							Si
100	6.03	5.5	6.03	5.5	260150	SLU 47	259225	760524	0.161	2.93							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	95890	SLV 11	95613	724241	0.258	7.57	-134225	SLV 5	-134225	-724241	0.258	5.4	Si
5	6.03	5.5	6.03	5.5	103096	SLV 11	125278	724241	0.258	5.78	-124641	SLV 5	-124641	-724241	0.258	5.81	Si
50	6.03	5.5	6.03	5.5	164768	SLV 11	184920	724241	0.258	3.92	-41870	SLV 5	-70038	-724241	0.258	10.34	Si
95	6.03	5.5	6.03	5.5	220619	SLV 11	220619	724241	0.258	3.28							Si
100	6.03	5.5	6.03	5.5	226469	SLV 11	226192	724241	0.258	3.2							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	26676	SLD 11	26398	724241	0.258	27.44	-65011	SLD 5	-65011	-724241	0.258	11.14	Si
5	6.03	5.5	6.03	5.5	34599	SLD 11	59022	724241	0.258	12.27	-56144	SLD 5	-56144	-724241	0.258	12.9	Si
50	6.03	5.5	6.03	5.5	102641	SLD 11	124981	724241	0.258	5.79	20257	SLD 5	-5705	-724241	0.258	126.95	Si
95	6.03	5.5	6.03	5.5	164717	SLD 11	164717	724241	0.258	4.4							Si
100	6.03	5.5	6.03	5.5	171250	SLD 11	170972	724241	0.258	4.24							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	2947	SLU 51	2947	5722	40526	18614	18614	1	6.32	Si
5	0.153	6.03	0	2928	SLU 51	2928	5722	40526	18614	18614	1	6.36	Si
50	0.153	6.03	0	2752	SLU 51	2752	5722	40526	18614	18614	1	6.76	Si
95	0.153	6.03	0	2577	SLU 51	2577	5722	40526	18614	18614	1	7.22	Si
100	0.153	6.03	0	2557	SLU 51	2557	5722	40526	18614	18614	1	7.28	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1978	SLV 9	1978	5722	40526	18614	18614	1	9.41	Si
5	0.153	6.03	0	1963	SLV 9	1963	5722	40526	18614	18614	1	9.48	Si
50	0.153	6.03	0	1828	SLV 9	1828	5722	40526	18614	18614	1	10.18	Si
95	0.153	6.03	0	1693	SLV 9	1693	5722	40526	18614	18614	1	10.99	Si
100	0.153	6.03	0	1678	SLV 9	1678	5722	40526	18614	18614	1	11.09	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1803	SLD 9	1803	5722	40526	18614	18614	1	10.33	Si
5	0.153	6.03	0	1788	SLD 9	1788	5722	40526	18614	18614	1	10.41	Si
50	0.153	6.03	0	1653	SLD 9	1653	5722	40526	18614	18614	1	11.26	Si
95	0.153	6.03	0	1518	SLD 9	1518	5722	40526	18614	18614	1	12.27	Si
100	0.153	6.03	0	1503	SLD 9	1503	5722	40526	18614	18614	1	12.39	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-26823	10	-26823	2.7	184.3	40.6	3600	-19167	2	-19167	1.9	138.2			Si
5	7661	5	34992	3.5	184.3	53	3600								Si
5	-16953	10	-16953	1.7	184.3	25.7	3600	-10772	2	-10772	1.1	138.2			Si
50	91088	9	120926	12.2	184.3	183.2	3600	61449	2	85220	8.6	138.2			Si
95	174690	8	174690	17.6	184.3	264.6	3600	127588	2	127588	12.9	138.2			Si
100	183684	8	183062	18.5	184.3	277.3	3600	134566	2	134287	13.6	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.03	0.02	0.026	0.018	0.023	0.02	0.02	0.018	0.022	0.02	0.048	2	0.045	2	9263	Si
5	0.032	0.022	0.028	0.019	0.025	0.022	0.022	0.019	0.024	0.022	0.052	2	0.048	2	8629	Si
50	0.05	0.035	0.044	0.03	0.039	0.035	0.034	0.03	0.038	0.035	0.083	2	0.077	2	5376	Si
95	0.065	0.045	0.057	0.04	0.052	0.045	0.045	0.04	0.049	0.046	0.109	2	0.101	2	4097	Si
100	0.066	0.046	0.058	0.04	0.053	0.046	0.046	0.041	0.05	0.047	0.112	2	0.103	2	4012	Si

Campata 3 , sezione R 30x40, asta 63

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	260149	SLU 47	259225	760524	0.161	2.93							Si
5	6.03	5.5	6.03	5.5	269135	SLU 47	296728	760524	0.161	2.56							Si
35	6.03	5.5	6.03	5.5	321009	SLU 47	346763	760524	0.161	2.19							Si
58	6.03	5.5	6.03	5.5	358929	SLU 47	377092	760524	0.161	2.02							Si
70	6.03	5.5	6.03	5.5	377092	SLU 47	377092	760524	0.161	2.02							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	226470	SLV 11	226192	724241	0.258	3.2							Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
5	6.03	5.5	6.03	5.5	231137	SLV 11	245332	724241	0.258	2.95							Si
35	6.03	5.5	6.03	5.5	257634	SLV 11	270470	724241	0.258	2.68							Si
70	6.03	5.5	6.03	5.5	285271	SLV 11	285271	724241	0.258	2.54							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	171250	SLD 11	170972	724241	0.258	4.24							Si
5	6.03	5.5	6.03	5.5	176599	SLD 11	192925	724241	0.258	3.75							Si
35	6.03	5.5	6.03	5.5	207153	SLD 11	222090	724241	0.258	3.26							Si
70	6.03	5.5	6.03	5.5	239450	SLD 11	239450	724241	0.258	3.02							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1972	SLU 49	1972	5722	40526	18614	18614	1	9.44	Si
5	0.153	6.03	0	1952	SLU 49	1952	5722	40526	18614	18614	1	9.53	Si
35	0.153	6.03	0	1835	SLU 49	1835	5722	40526	18614	18614	1	10.14	Si
70	0.153	6.03	0	1699	SLU 49	1699	5722	40526	18614	18614	1	10.96	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1457	SLV 9	1457	5722	40526	18614	18614	1	12.78	Si
5	0.153	6.03	0	1442	SLV 9	1442	5722	40526	18614	18614	1	12.91	Si
35	0.153	6.03	0	1352	SLV 9	1352	5722	40526	18614	18614	1	13.77	Si
70	0.153	6.03	0	1247	SLV 9	1247	5722	40526	18614	18614	1	14.93	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1281	SLD 9	1281	5722	40526	18614	18614	1	14.53	Si
5	0.153	6.03	0	1266	SLD 9	1266	5722	40526	18614	18614	1	14.7	Si
35	0.153	6.03	0	1176	SLD 9	1176	5722	40526	18614	18614	1	15.82	Si
70	0.153	6.03	0	1071	SLD 9	1071	5722	40526	18614	18614	1	17.37	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	183684	8	183062	18.5	184.3	277.3	3600	134566	2	134287	13.6	138.2			Si
5	190118	8	209845	21.2	184.3	317.9	3600	140358	2	158067	16	138.2			Si
35	227159	8	245471	24.8	184.3	371.8	3600	173543	2	189837	19.2	138.2			Si
70	266959	8	266959	27	184.3	404.4	3600	208846	2	208846	21.1	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.066	0.046	0.058	0.04	0.053	0.046	0.046	0.041	0.05	0.047	0.112	2	0.103	2	4012	Si
5	0.068	0.047	0.059	0.041	0.054	0.047	0.047	0.041	0.051	0.047	0.114	2	0.105	2	3936	Si
35	0.073	0.051	0.063	0.044	0.058	0.051	0.051	0.045	0.055	0.051	0.123	2	0.114	2	3634	Si
61	0.074	0.052	0.064	0.045	0.06	0.052	0.052	0.046	0.057	0.052	0.126	2	0.116	2	3556	Si
70	0.073	0.052	0.064	0.045	0.06	0.052	0.052	0.045	0.057	0.052	0.126	2	0.116	2	3567	Si

Campata 4 , sezione R 30x40, asta 64

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	331648	SLU 47	331648	760524	0.161	2.29							Si
12	6.03	5.5	6.03	5.5	325000	SLU 47	331648	760524	0.161	2.29							Si
15	6.03	5.5	6.03	5.5	323251	SLU 47	331648	760524	0.161	2.29							Si
25	6.03	5.5	6.03	5.5	317164	SLU 47	326547	760524	0.161	2.33							Si
30	6.03	5.5	6.03	5.5	314136	SLU 51	314136	760524	0.161	2.42							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	251205	SLV 11	251205	724241	0.258	2.88							Si
12	6.03	5.5	6.03	5.5	243791	SLV 11	251205	724241	0.258	2.88							Si
15	6.03	5.5	6.03	5.5	241872	SLV 11	251205	724241	0.258	2.88							Si
25	6.03	5.5	6.03	5.5	235286	SLV 11	245499	724241	0.258	2.95							Si
30	6.03	5.5	6.03	5.5	231884	SLV 11	231884	724241	0.258	3.12							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	210546	SLD 11	210546	724241	0.258	3.44							Si
12	6.03	5.5	6.03	5.5	205739	SLD 11	210546	724241	0.258	3.44							Si
15	6.03	5.5	6.03	5.5	204471	SLD 11	210546	724241	0.258	3.44							Si
25	6.03	5.5	6.03	5.5	200051	SLD 11	206860	724241	0.258	3.5							Si
30	6.03	5.5	6.03	5.5	197730	SLD 11	197730	724241	0.258	3.66							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-540	SLU 48	-540	-5722	-40526	-18614	-18614	1	34.46	Si
15	0.153	6.03	0	-599	SLU 48	-599	-5722	-40526	-18614	-18614	1	31.09	Si
25	0.153	6.03	0	-638	SLU 48	-638	-5722	-40526	-18614	-18614	1	29.19	Si
30	0.153	6.03	0	-657	SLU 48	-657	-5722	-40526	-18614	-18614	1	28.32	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	124	SLV 5	124	5722	40526	18614	18614	1	150.29	Si
0	0.153	6.03	0	-608	SLV 11	-608	-5722	-40526	-18614	-18614	1	30.62	Si
15	0.153	6.03	0	79	SLV 5	79	5722	40526	18614	18614	1	236.05	Si
15	0.153	6.03	0	-653	SLV 11	-653	-5722	-40526	-18614	-18614	1	28.51	Si
25	0.153	6.03	0	49	SLV 5	49	5722	40526	18614	18614	1	381.01	Si
25	0.153	6.03	0	-683	SLV 11	-683	-5722	-40526	-18614	-18614	1	27.26	Si
30	0.153	6.03	0	34	SLV 5	34	5722	40526	18614	18614	1	549.83	Si
30	0.153	6.03	0	-698	SLV 11	-698	-5722	-40526	-18614	-18614	1	26.67	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-386	SLD 11	-386	-5722	-40526	-18614	-18614	1	48.18	Si
15	0.153	6.03	0	-431	SLD 11	-431	-5722	-40526	-18614	-18614	1	43.15	Si
25	0.153	6.03	0	-461	SLD 11	-461	-5722	-40526	-18614	-18614	1	40.35	Si
30	0.153	6.03	0	-476	SLD 11	-476	-5722	-40526	-18614	-18614	1	39.08	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	234733	8	234733	23.7	184.3	355.6	3600	183399	2	183399	18.5	138.2			Si
15	228776	8	234733	23.7	184.3	355.6	3600	179432	2	183399	18.5	138.2			Si
25	224430	8	231121	23.3	184.3	350.1	3600	176412	2	181020	18.3	138.2			Si
30	222252	12	222252	22.4	184.3	336.7	3600	174789	2	174789	17.7	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.073	0.052	0.064	0.045	0.06	0.052	0.052	0.045	0.057	0.052	0.126	2	0.116	2	3567	Si
15	0.072	0.051	0.063	0.044	0.059	0.051	0.051	0.044	0.056	0.051	0.123	2	0.114	2	3630	Si
25	0.07	0.05	0.061	0.043	0.057	0.05	0.05	0.044	0.055	0.05	0.121	2	0.111	2	3703	Si
30	0.07	0.049	0.061	0.043	0.057	0.049	0.049	0.043	0.054	0.05	0.119	2	0.11	2	3750	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	319696	SLU 51	314466	760524	0.161	2.42							Si
5	6.03	5.5	6.03	5.5	309188	SLU 51	309188	760524	0.161	2.46							Si
50	6.03	5.5	6.03	5.5	210225	SLU 51	245656	760524	0.161	3.1							Si
95	6.03	5.5	6.03	5.5	125587	SLU 49	159620	760524	0.161	4.76							Si
100	6.03	5.5	6.03	5.5	114927	SLU 49	114927	760524	0.161	6.62							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	234619	SLV 11	231126	724241	0.258	3.13							Si
5	6.03	5.5	6.03	5.5	227463	SLV 11	227463	724241	0.258	3.18							Si
50	6.03	5.5	6.03	5.5	160087	SLV 11	184192	724241	0.258	3.93							Si
95	6.03	5.5	6.03	5.5	111155	SLV 15	133027	724241	0.258	5.44							Si
100	6.03	5.5	6.03	5.5	104086	SLV 15	104086	724241	0.258	6.96							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	200872	SLD 11	197778	724241	0.258	3.66							Si
5	6.03	5.5	6.03	5.5	194585	SLD 11	194585	724241	0.258	3.72							Si
50	6.03	5.5	6.03	5.5	134813	SLD 11	156317	724241	0.258	4.63							Si
95	6.03	5.5	6.03	5.5	86008	SLD 15	107260	724241	0.258	6.75							Si
100	6.03	5.5	6.03	5.5	79106	SLD 15	79106	724241	0.258	9.16							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-2183	SLU 48	-2183	-5722	-40526	-18614	-18614	1	8.53	Si
5	0.153	6.03	0	-2202	SLU 48	-2202	-5722	-40526	-18614	-18614	1	8.45	Si
50	0.153	6.03	0	-2378	SLU 48	-2378	-5722	-40526	-18614	-18614	1	7.83	Si
95	0.153	6.03	0	-2520	SLU 48	-2520	-5722	-40526	-18614	-18614	1	7.39	Si
100	0.153	6.03	0	-2540	SLU 48	-2540	-5722	-40526	-18614	-18614	1	7.33	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-1450	SLV 11	-1450	-5722	-40526	-18614	-18614	1	12.84	Si
5	0.153	6.03	0	-1465	SLV 11	-1465	-5722	-40526	-18614	-18614	1	12.7	Si
50	0.153	6.03	0	-1600	SLV 11	-1600	-5722	-40526	-18614	-18614	1	11.63	Si
95	0.153	6.03	0	-1575	SLV 15	-1575	-5722	-40526	-18614	-18614	1	11.81	Si
100	0.153	6.03	0	-1590	SLV 15	-1590	-5722	-40526	-18614	-18614	1	11.7	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-1262	SLD 11	-1262	-5722	-40526	-18614	-18614	1	14.75	Si
5	0.153	6.03	0	-1277	SLD 11	-1277	-5722	-40526	-18614	-18614	1	14.58	Si
50	0.153	6.03	0	-1412	SLD 11	-1412	-5722	-40526	-18614	-18614	1	13.18	Si
95	0.153	6.03	0	-1444	SLD 15	-1444	-5722	-40526	-18614	-18614	1	12.89	Si
100	0.153	6.03	0	-1459	SLD 15	-1459	-5722	-40526	-18614	-18614	1	12.76	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	226174	12	222479	22.5	184.3	337	3600	178218	2	175368	17.7	138.2			Si
5	218746	12	218746	22.1	184.3	331.4	3600	172481	2	172481	17.4	138.2			Si
50	148521	12	173716	17.5	184.3	263.1	3600	117470	2	137355	13.9	138.2			Si
95	87951	10	112390	11.3	184.3	170.2	3600	68964	2	89895	9.1	138.2			Si
100	80267	10	80267	8.1	184.3	121.6	3600	62144	2	62144	6.3	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.07	0.049	0.061	0.043	0.057	0.049	0.049	0.043	0.054	0.05	0.119	2	0.11	2	3750	Si
5	0.068	0.048	0.06	0.042	0.056	0.049	0.049	0.042	0.053	0.049	0.118	2	0.108	2	3804	Si
50	0.055	0.039	0.047	0.034	0.045	0.039	0.039	0.034	0.043	0.039	0.095	2	0.087	2	4728	Si
95	0.035	0.025	0.03	0.022	0.029	0.025	0.025	0.022	0.028	0.025	0.061	2	0.056	2	7352	Si
100	0.033	0.023	0.028	0.02	0.027	0.023	0.024	0.02	0.026	0.024	0.057	2	0.052	2	7901	Si

Campata 6 , sezione R 30x40, asta 67

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	178548	SLU 49	166060	760524	0.161	4.58							Si
5	6.03	5.5	6.03	5.5	153526	SLU 49	153526	760524	0.161	4.95	54361	SLU 5	-10233	-760524	0.161	74.32	Si
32	6.03	5.5	6.03	5.5	22699	SLU 23	99174	760524	0.161	7.67	-58466	SLU 31	-141315	-760524	0.161	5.38	Si
48	6.03	5.5	6.03	5.5	-44158	SLU 10	19092	760524	0.161	39.83	-145771	SLU 44	-145771	-760524	0.161	5.22	Si
63	6.03	5.5	6.03	5.5							-233228	SLU 48	-187829	-760524	0.161	4.05	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	160604	SLV 15	151650	724241	0.258	4.78							Si
5	6.03	5.5	6.03	5.5	141805	SLV 15	141805	724241	0.258	5.11	28845	SLV 1	-12857	-724241	0.258	56.33	Si
32	6.03	5.5	6.03	5.5	43229	SLV 15	101355	724241	0.258	7.15	-42926	SLV 1	-89458	-724241	0.258	8.1	Si
48	6.03	5.5	6.03	5.5	-15983	SLV 15	40326	724241	0.258	17.96	-91912	SLV 1	-91912	-724241	0.258	7.88	Si
63	6.03	5.5	6.03	5.5							-140455	SLV 15	-81655	-724241	0.258	8.87	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	125012	SLD 15	116715	724241	0.258	6.21							Si
5	6.03	5.5	6.03	5.5	108012	SLD 15	108012	724241	0.258	6.71							Si
32	6.03	5.5	6.03	5.5	17646	SLD 15	71224	724241	0.258	10.17	-17343	SLD 1	-66974	-724241	0.258	10.81	Si
48	6.03	5.5	6.03	5.5	-38358	SLD 15	14937	724241	0.258	48.48	-69537	SLD 1	-69537	-724241	0.258	10.42	Si
63	6.03	5.5	6.03	5.5							-118999	SLD 15	-88672	-724241	0.258	8.17	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-6046	SLU 48	-6046	-5722	-40526	-18614	-18614	1	3.08	Si
5	0.153	6.03	0	-6065	SLU 48	-6065	-5722	-40526	-18614	-18614	1	3.07	Si
32	0.153	6.03	0	-6169	SLU 48	-6169	-5722	-40526	-18614	-18614	1	3.02	Si
48	0.153	6.03	0	-6233	SLU 48	-6233	-5722	-40526	-18614	-18614	1	2.99	Si
63	0.153	6.03	0	-6292	SLU 48	-6292	-5722	-40526	-18614	-18614	1	2.96	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-3923	SLV 15	-3923	-5722	-40526	-18614	-18614	1	4.74	Si
5	0.153	6.03	0	-3938	SLV 15	-3938	-5722	-40526	-18614	-18614	1	4.73	Si
32	0.153	6.03	0	-4017	SLV 15	-4017	-5722	-40526	-18614	-18614	1	4.63	Si
48	0.153	6.03	0	-4067	SLV 15	-4067	-5722	-40526	-18614	-18614	1	4.58	Si
63	0.153	6.03	0	-4112	SLV 15	-4112	-5722	-40526	-18614	-18614	1	4.53	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-3466	SLD 15	-3466	-5722	-40526	-18614	-18614	1	5.37	Si
5	0.153	6.03	0	-3481	SLD 15	-3481	-5722	-40526	-18614	-18614	1	5.35	Si
32	0.153	6.03	0	-3561	SLD 15	-3561	-5722	-40526	-18614	-18614	1	5.23	Si
48	0.153	6.03	0	-3610	SLD 15	-3610	-5722	-40526	-18614	-18614	1	5.16	Si
63	0.153	6.03	0	-3655	SLD 15	-3655	-5722	-40526	-18614	-18614	1	5.09	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	125491	10	116549	11.8	184.3	176.5	3600	101161	2	93261	9.4	138.2			Si
5	107571	10	107571	10.9	184.3	162.9	3600	85325	2	85325	8.6	138.2			Si
32	11348	10	68627	6.9	184.3	104	3600	151	2	50882	5.1	138.2			Si
32	-37363	5	-99847	10.1	184.3	151.2	3600	-4648	1	-53316	5.4	138.2			Si
48	-103029	5	-103029	10.4	184.3	156.1	3600	-55798	1	-55798	5.6	138.2			Si
63	-165369	9	-133063	13.4	184.3	201.6	3600	-103836	2	-79234	8	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.033	0.023	0.028	0.02	0.027	0.023	0.024	0.02	0.026	0.024	0.057	2	0.052	2	7901	Si
5	0.03	0.021	0.026	0.018	0.025	0.022	0.022	0.019	0.024	0.022	0.052	2	0.048	2	8552	Si
32	0.016	0.011	0.014	0.01	0.014	0.012	0.012	0.01	0.013	0.012	0.028	2	0.026	2	9999	Si
48	0.008	0.005	0.007	0.005	0.006	0.005	0.006	0.005	0.006	0.005	0.013	2	0.012	2	9999	Si

Campata 7 , sezione R 30x40, asta 68

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-307080	SLU 48	-237837	-760524	0.161	3.2	Si
15	6.03	5.5	6.03	5.5	-72864	SLU 1	25197	760524	0.161	30.18	-169031	SLU 48	-169031	-760524	0.161	4.5	Si
19	6.03	5.5	6.03	5.5	-54003	SLU 10	34201	760524	0.161	22.24	-139425	SLU 44	-169031	-760524	0.161	4.5	Si
32	6.03	5.5	6.03	5.5	34201	SLU 23	34201	760524	0.161	22.24	-39836	SLU 31	-157445	-760524	0.161	4.83	Si
37	6.03	5.5	6.03	5.5	70164	SLU 49	51579	760524	0.161	14.74	-6564	SLU 5	-6564	-760524	0.161	115.87	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	188396	SLV 11	188396	724241	0.258	3.84	-491416	SLV 5	-422829	-724241	0.258	1.71	Si
15	6.03	5.5	6.03	5.5	211728	SLV 11	236264	724241	0.258	3.07	-363804	SLV 5	-363804	-724241	0.258	1.99	Si
19	6.03	5.5	6.03	5.5	217178	SLV 11	238301	724241	0.258	3.04	-334226	SLV 5	-363804	-724241	0.258	1.99	Si
32	6.03	5.5	6.03	5.5	238301	SLV 11	238301	724241	0.258	3.04	-220936	SLV 5	-352851	-724241	0.258	2.05	Si
37	6.03	5.5	6.03	5.5	246195	SLV 11	243544	724241	0.258	2.97	-179325	SLV 5	-179325	-724241	0.258	4.04	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-288065	SLD 5	-237649	-724241	0.258	3.05	Si
15	6.03	5.5	6.03	5.5	39422	SLD 11	96000	724241	0.258	7.54	-191497	SLD 5	-191497	-724241	0.258	3.78	Si
19	6.03	5.5	6.03	5.5	52058	SLD 11	100653	724241	0.258	7.2	-169106	SLD 5	-191497	-724241	0.258	3.78	Si
32	6.03	5.5	6.03	5.5	100653	SLD 11	100653	724241	0.258	7.2	-83288	SLD 5	-183206	-724241	0.258	3.95	Si
37	6.03	5.5	6.03	5.5	118607	SLD 11	110187	724241	0.258	6.57	-51737	SLD 5	-51737	-724241	0.258	14	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	9233	SLU 48	9233	5722	40526	18614	18614	1	2.02	Si
15	0.153	6.03	0	9174	SLU 48	9174	5722	40526	18614	18614	1	2.03	Si
19	0.153	6.03	0	9160	SLU 48	9160	5722	40526	18614	18614	1	2.03	Si
32	0.153	6.03	0	9108	SLU 48	9108	5722	40526	18614	18614	1	2.04	Si
37	0.153	6.03	0	9088	SLU 48	9088	5722	40526	18614	18614	1	2.05	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	8711	SLV 9	8711	5722	40526	18614	18614	1	2.14	Si
15	0.153	6.03	0	8666	SLV 9	8666	5722	40526	18614	18614	1	2.15	Si
19	0.153	6.03	0	8655	SLV 9	8655	5722	40526	18614	18614	1	2.15	Si
32	0.153	6.03	0	8615	SLV 9	8615	5722	40526	18614	18614	1	2.16	Si
37	0.153	6.03	0	8600	SLV 9	8600	5722	40526	18614	18614	1	2.16	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	6535	SLD 9	6535	5722	40526	18614	18614	1	2.85	Si
15	0.153	6.03	0	6490	SLD 9	6490	5722	40526	18614	18614	1	2.87	Si
19	0.153	6.03	0	6480	SLD 9	6480	5722	40526	18614	18614	1	2.87	Si
32	0.153	6.03	0	6439	SLD 9	6439	5722	40526	18614	18614	1	2.89	Si
37	0.153	6.03	0	6424	SLD 9	6424	5722	40526	18614	18614	1	2.9	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-218956	9	-169740	17.1	184.3	257.1	3600	-151510	2	-113605	11.5	138.2			Si
15	-120862	9	-120862	12.2	184.3	183.1	3600	-76038	2	-76038	7.7	138.2			Si
19	-99723	5	-120862	12.2	184.3	183.1	3600	-59233	1	-76038	7.7	138.2			Si
32	19268	10	19268	1.9	184.3	29.2	3600	8682	2	8682	0.9	138.2			Si
32	-21090	5	-112619	11.4	184.3	170.6	3600								Si
37	47329	10	33317	3.4	184.3	50.5	3600	33435	2	21077	2.1	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.002	0.001	0.002	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
19	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
32	0.005	0.004	0.004	0.003	0.005	0.004	0.003	0.003	0.004	0.004	0.008	2	0.007	2	9999	Si
37	0.006	0.004	0.005	0.003	0.005	0.004	0.004	0.003	0.005	0.005	0.009	2	0.008	2	9999	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	4370	SLU 23	4370	760524	0.161	174.04	-55839	SLU 31	-49513	-760524	0.161	15.36	Si
5	6.03	5.5	6.03	5.5	15397	SLU 23	50548	760524	0.161	15.05	-43236	SLU 31	-43236	-760524	0.161	17.59	Si
50	6.03	5.5	6.03	5.5	93359	SLU 51	116134	760524	0.161	6.55							Si
95	6.03	5.5	6.03	5.5	156060	SLU 51	156060	760524	0.161	4.87							Si
100	6.03	5.5	6.03	5.5	162606	SLU 47	159324	760524	0.161	4.77							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	189941	SLV 11	188364	724241	0.258	3.84	-210599	SLV 5	-200703	-724241	0.258	3.61	Si
5	6.03	5.5	6.03	5.5	186735	SLV 11	186735	724241	0.258	3.88	-190829	SLV 5	-190829	-724241	0.258	3.8	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
50	6.03	5.5	6.03	5.5	111221	SLV 11	166491	724241	0.258	4.35	-5645	SLV 5	-76561	-724241	0.258	9.46	Si
95	6.03	5.5	6.03	5.5	109677	SLV 9	109677	724241	0.258	6.6							Si
100	6.03	5.5	6.03	5.5	120945	SLV 9	114780	724241	0.258	6.31							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	70020	SLD 11	70020	724241	0.258	10.34	-90678	SLD 5	-84221	-724241	0.258	8.6	Si
5	6.03	5.5	6.03	5.5	73701	SLD 11	84777	724241	0.258	8.54	-77795	SLD 5	-77795	-724241	0.258	9.31	Si
40	6.03	5.5	6.03	5.5	97401	SLD 11	101512	724241	0.258	7.13	10250	SLD 5	-28796	-724241	0.258	25.15	Si
50	6.03	5.5	6.03	5.5	76387	SLD 11	101512	724241	0.258	7.13	29189	SLD 5	-3848	-724241	0.258	188.21	Si
95	6.03	5.5	6.03	5.5	96301	SLD 9	96301	724241	0.258	7.52							Si
100	6.03	5.5	6.03	5.5	102908	SLD 9	99399	724241	0.258	7.29							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	3134	SLU 48	3134	5722	40526	18614	18614	1	5.94	Si
5	0.153	6.03	0	3115	SLU 48	3115	5722	40526	18614	18614	1	5.98	Si
50	0.153	6.03	0	1638	SLU 48	1638	5722	40526	18614	18614	1	11.36	Si
95	0.153	6.03	0	1463	SLU 48	1463	5722	40526	18614	18614	1	12.73	Si
100	0.153	6.03	0	1443	SLU 48	1443	5722	40526	18614	18614	1	12.9	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	3964	SLV 5	3964	5722	40526	18614	18614	1	4.7	Si
0	0.153	6.03	0	-637	SLV 11	-637	-5722	-40526	-18614	-18614	1	29.24	Si
5	0.153	6.03	0	3949	SLV 5	3949	5722	40526	18614	18614	1	4.71	Si
5	0.153	6.03	0	-652	SLV 11	-652	-5722	-40526	-18614	-18614	1	28.57	Si
50	0.153	6.03	0	2579	SLV 5	2579	5722	40526	18614	18614	1	7.22	Si
50	0.153	6.03	0	-898	SLV 11	-898	-5722	-40526	-18614	-18614	1	20.74	Si
95	0.153	6.03	0	2444	SLV 5	2444	5722	40526	18614	18614	1	7.61	Si
95	0.153	6.03	0	-1033	SLV 11	-1033	-5722	-40526	-18614	-18614	1	18.03	Si
100	0.153	6.03	0	2429	SLV 5	2429	5722	40526	18614	18614	1	7.66	Si
100	0.153	6.03	0	-1048	SLV 11	-1048	-5722	-40526	-18614	-18614	1	17.77	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	2585	SLD 5	2585	5722	40526	18614	18614	1	7.2	Si
5	0.153	6.03	0	2570	SLD 5	2570	5722	40526	18614	18614	1	7.24	Si
50	0.153	6.03	0	1538	SLD 5	1538	5722	40526	18614	18614	1	12.11	Si
95	0.153	6.03	0	1403	SLD 5	1403	5722	40526	18614	18614	1	13.27	Si
100	0.153	6.03	0	1388	SLD 5	1388	5722	40526	18614	18614	1	13.41	Si
100	0.153	6.03	0	-6	SLD 11	-6	-5722	-40526	-18614	-18614	1	3255.28	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-37057	5	-31919	3.2	184.3	48.4	3600	-13276	1	-9313	0.9	138.2			Si
5	5746	10	34145	3.4	184.3	51.7	3600								Si
5	-26819	5	-26819	2.7	184.3	40.6	3600	-5387	1	-5387	0.5	138.2			Si
50	65709	12	82031	8.3	184.3	124.3	3600	52788	2	65621	6.6	138.2			Si
95	110510	12	110510	11.2	184.3	167.4	3600	87592	2	87592	8.8	138.2			Si
100	115156	8	112830	11.4	184.3	170.9	3600	91084	2	89357	9	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.006	0.004	0.005	0.003	0.005	0.004	0.004	0.003	0.005	0.005	0.009	2	0.008	2	9999	Si
5	0.007	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.011	2	0.01	2	9999	Si
50	0.014	0.01	0.011	0.008	0.012	0.01	0.009	0.008	0.011	0.01	0.022	2	0.02	2	9999	Si
95	0.018	0.013	0.014	0.01	0.015	0.013	0.012	0.01	0.014	0.013	0.029	2	0.027	2	9999	Si
100	0.018	0.013	0.014	0.01	0.015	0.013	0.012	0.01	0.014	0.013	0.029	2	0.027	2	9999	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	151776	SLU 47	151675	760524	0.161	5.01							Si
5	6.03	5.5	6.03	5.5	151526	SLU 47	151526	760524	0.161	5.02							Si
50	6.03	5.5	6.03	5.5	144881	SLU 47	148093	760524	0.161	5.14							Si
95	6.03	5.5	6.03	5.5	75573	SLU 48	98518	760524	0.161	7.72							Si
100	6.03	5.5	6.03	5.5	68065	SLU 48	68065	760524	0.161	11.17							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	141650	SLV 5	141650	724241	0.258	5.11							Si
5	6.03	5.5	6.03	5.5	150184	SLV 5	176564	724241	0.258	4.1	18644	SLV 11	-9525	-724241	0.258	76.04	Si
50	6.03	5.5	6.03	5.5	223892	SLV 5	267372	724241	0.258	2.71	-64127	SLV 11	-138765	-724241	0.258	5.22	Si
95	6.03	5.5	6.03	5.5	305504	SLV 5	305504	724241	0.258	2.37	-226522	SLV 11	-226522	-724241	0.258	3.2	Si
100	6.03	5.5	6.03	5.5	311757	SLV 5	308653	724241	0.258	2.35	-241761	SLV 11	-234126	-724241	0.258	3.09	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	107275	SLD 5	107275	724241	0.258	6.75							Si
5	6.03	5.5	6.03	5.5	110610	SLD 5	120624	724241	0.258	6							Si
50	6.03	5.5	6.03	5.5	137377	SLD 5	145484	724241	0.258	4.98	22388	SLD 11	-16876	-724241	0.258	42.92	Si
83	6.03	5.5	6.03	5.5	146012	SLD 5	146012	724241	0.258	4.96	-46647	SLD 11	-66868	-724241	0.258	10.83	Si
95	6.03	5.5	6.03	5.5	145850	SLD 5	146012	724241	0.258	4.96	-66868	SLD 11	-66868	-724241	0.258	10.83	Si
100	6.03	5.5	6.03	5.5	145656	SLD 5	145656	724241	0.258	4.97	-75660	SLD 11	-71247	-724241	0.258	10.17	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	94	SLU 31	94	5722	40526	18614	18614	1	197.71	Si
0	0.153	6.03	0	-128	SLU 23	-128	-5722	-40526	-18614	-18614	1	145.79	Si
5	0.153	6.03	0	75	SLU 31	75	5722	40526	18614	18614	1	249.35	Si
5	0.153	6.03	0	-143	SLU 23	-143	-5722	-40526	-18614	-18614	1	130.46	Si
50	0.153	6.03	0	-297	SLU 49	-297	-5722	-40526	-18614	-18614	1	62.7	Si
95	0.153	6.03	0	-1533	SLU 51	-1533	-5722	-40526	-18614	-18614	1	12.14	Si
100	0.153	6.03	0	-1552	SLU 51	-1552	-5722	-40526	-18614	-18614	1	11.99	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1724	SLV 5	1724	5722	40526	18614	18614	1	10.8	Si
0	0.153	6.03	0	-1760	SLV 11	-1760	-5722	-40526	-18614	-18614	1	10.58	Si
5	0.153	6.03	0	1709	SLV 5	1709	5722	40526	18614	18614	1	10.89	Si
5	0.153	6.03	0	-1775	SLV 11	-1775	-5722	-40526	-18614	-18614	1	10.49	Si
50	0.153	6.03	0	1574	SLV 5	1574	5722	40526	18614	18614	1	11.83	Si
50	0.153	6.03	0	-1910	SLV 11	-1910	-5722	-40526	-18614	-18614	1	9.75	Si
95	0.153	6.03	0	1260	SLV 5	1260	5722	40526	18614	18614	1	14.78	Si
95	0.153	6.03	0	-3042	SLV 11	-3042	-5722	-40526	-18614	-18614	1	6.12	Si
100	0.153	6.03	0	1245	SLV 5	1245	5722	40526	18614	18614	1	14.96	Si
100	0.153	6.03	0	-3057	SLV 11	-3057	-5722	-40526	-18614	-18614	1	6.09	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	679	SLD 5	679	5722	40526	18614	18614	1	27.42	Si
0	0.153	6.03	0	-715	SLD 11	-715	-5722	-40526	-18614	-18614	1	26.02	Si
5	0.153	6.03	0	664	SLD 5	664	5722	40526	18614	18614	1	28.04	Si
5	0.153	6.03	0	-730	SLD 11	-730	-5722	-40526	-18614	-18614	1	25.49	Si
50	0.153	6.03	0	529	SLD 5	529	5722	40526	18614	18614	1	35.2	Si
50	0.153	6.03	0	-865	SLD 11	-865	-5722	-40526	-18614	-18614	1	21.51	Si
95	0.153	6.03	0	-1752	SLD 11	-1752	-5722	-40526	-18614	-18614	1	10.63	Si
100	0.153	6.03	0	-1767	SLD 11	-1767	-5722	-40526	-18614	-18614	1	10.54	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	107731	8	107692	10.9	184.3	163.1	3600	84543	2	84497	8.5	138.2			Si
5	107616	8	107616	10.9	184.3	163	3600	84414	2	84414	8.5	138.2			Si
50	103207	8	105432	10.6	184.3	159.7	3600	79882	2	82151	8.3	138.2			Si
95	54421	9	70695	7.1	184.3	107.1	3600	39491	2	53112	5.4	138.2			Si
100	49083	9	49083	5	184.3	74.4	3600	34998	2	34998	3.5	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.018	0.013	0.014	0.01	0.015	0.013	0.012	0.01	0.014	0.013	0.029	2	0.027	2	9999	Si
5	0.018	0.013	0.014	0.01	0.015	0.013	0.012	0.011	0.014	0.013	0.029	2	0.027	2	9999	Si
13	0.018	0.013	0.015	0.011	0.015	0.013	0.012	0.011	0.014	0.013	0.03	2	0.027	2	9999	Si
50	0.017	0.012	0.013	0.01	0.014	0.012	0.011	0.01	0.013	0.012	0.027	2	0.025	2	9999	Si
95	0.012	0.009	0.009	0.007	0.01	0.009	0.008	0.007	0.009	0.009	0.019	2	0.017	2	9999	Si
100	0.011	0.008	0.009	0.006	0.009	0.008	0.007	0.006	0.009	0.008	0.017	2	0.016	2	9999	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	103997	SLU 48	93345	760524	0.161	8.15							Si
5	6.03	5.5	6.03	5.5	82646	SLU 48	82646	760524	0.161	9.2	41397	SLU 1	-38	-760524	0.161	20209.14	Si
34	6.03	5.5	6.03	5.5	-13256	SLU 2	30483	760524	0.161	24.95	-50024	SLU 51	-119294	-760524	0.161	6.38	Si
59	6.03	5.5	6.03	5.5							-160445	SLU 51	-201199	-760524	0.161	3.78	Si
68	6.03	5.5	6.03	5.5							-201199	SLU 51	-201199	-760524	0.161	3.78	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	343797	SLV 5	343797	724241	0.258	2.11	-230332	SLV 11	-230332	-724241	0.258	3.14	Si
5	6.03	5.5	6.03	5.5	349442	SLV 5	366755	724241	0.258	1.97	-259498	SLV 11	-351658	-724241	0.258	2.06	Si
34	6.03	5.5	6.03	5.5	380885	SLV 5	396931	724241	0.258	1.82	-430306	SLV 11	-523934	-724241	0.258	1.38	Si
59	6.03	5.5	6.03	5.5	406028	SLV 5	414724	724241	0.258	1.75	-579307	SLV 11	-633967	-724241	0.258	1.14	Si
68	6.03	5.5	6.03	5.5	414724	SLV 5	414724	724241	0.258	1.75	-633967	SLV 11	-633967	-724241	0.258	1.14	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	171624	SLD 5	169220	724241	0.258	4.28	-58159	SLD 11	-58159	-724241	0.258	12.45	Si
5	6.03	5.5	6.03	5.5	166821	SLD 5	166821	724241	0.258	4.34	-76877	SLD 11	-136185	-724241	0.258	5.32	Si
34	6.03	5.5	6.03	5.5	137573	SLD 5	153712	724241	0.258	4.71	-186994	SLD 11	-247716	-724241	0.258	2.92	Si
59	6.03	5.5	6.03	5.5	110468	SLD 5	127754	724241	0.258	5.67	-283747	SLD 11	-319399	-724241	0.258	2.27	Si
68	6.03	5.5	6.03	5.5	100156	SLD 5	117863	724241	0.258	6.14	-319399	SLD 11	-319399	-724241	0.258	2.27	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-4295	SLU 47	-4295	-5722	-40526	-18614	-18614	1	4.33	Si
5	0.153	6.03	0	-4315	SLU 47	-4315	-5722	-40526	-18614	-18614	1	4.31	Si
34	0.153	6.03	0	-4428	SLU 47	-4428	-5722	-40526	-18614	-18614	1	4.2	Si
68	0.153	6.03	0	-4560	SLU 47	-4560	-5722	-40526	-18614	-18614	1	4.08	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1155	SLV 5	1155	5722	40526	18614	18614	1	16.12	Si
0	0.153	6.03	0	-5843	SLV 11	-5843	-5722	-40526	-18614	-18614	1	3.19	Si
5	0.153	6.03	0	1140	SLV 5	1140	5722	40526	18614	18614	1	16.33	Si
5	0.153	6.03	0	-5858	SLV 11	-5858	-5722	-40526	-18614	-18614	1	3.18	Si
34	0.153	6.03	0	1053	SLV 5	1053	5722	40526	18614	18614	1	17.68	Si
34	0.153	6.03	0	-5945	SLV 11	-5945	-5722	-40526	-18614	-18614	1	3.13	Si
68	0.153	6.03	0	951	SLV 5	951	5722	40526	18614	18614	1	19.58	Si
68	0.153	6.03	0	-6047	SLV 11	-6047	-5722	-40526	-18614	-18614	1	3.08	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-3744	SLD 11	-3744	-5722	-40526	-18614	-18614	1	4.97	Si
5	0.153	6.03	0	-3759	SLD 11	-3759	-5722	-40526	-18614	-18614	1	4.95	Si
34	0.153	6.03	0	-3846	SLD 11	-3846	-5722	-40526	-18614	-18614	1	4.84	Si
68	0.153	6.03	0	-3948	SLD 11	-3948	-5722	-40526	-18614	-18614	1	4.71	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	74689	9	67191	6.8	184.3	101.8	3600	56733	2	50870	5.1	138.2			Si
5	59656	9	59656	6	184.3	90.4	3600	44972	2	44972	4.5	138.2			Si
34	-33625	12	-82563	8.3	184.3	125.1	3600	-24711	2	-63501	6.4	138.2			Si
68	-140504	12	-140504	14.2	184.3	212.8	3600	-109622	2	-109622	11.1	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.011	0.008	0.009	0.006	0.009	0.008	0.007	0.006	0.009	0.008	0.017	2	0.016	2	9999	Si
5	0.01	0.008	0.008	0.006	0.008	0.008	0.007	0.006	0.008	0.008	0.016	2	0.015	2	9999	Si
34	0.005	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si

8.3 Verifiche pareti C.A.

Le unità di misura elencate nel capitolo sono in [cm, daN] ove non espressamente specificato.

***Descrizione breve**: nome sintetico assegnato al livello.*
***Descrizione**: nome assegnato al livello.*
***Quota**: quota superiore espressa nel sistema di riferimento assoluto. [cm]*
***Spessore**: spessore del livello. [cm]*
***Descrizione**: descrizione della sezione di verifica.*
***Dir.**: direzione della sezione di verifica.*
***Base**: base della sezione. [cm]*
***Altezza**: altezza della sezione. [cm]*
***As,sup**: area di acciaio efficace superiore. [cm²]*
***As,inf**: area di acciaio efficace inferiore. [cm²]*
***c,sup**: copriferro medio superiore. [cm]*
***c,inf**: copriferro medio inferiore. [cm]*
***Comb.**: combinazione di verifica.*
***MEd**: momento agente. [daN*cm]*
***NEd**: sforzo normale agente, positivo se di trazione. [daN]*
***MRd**: momento resistente. [daN*cm]*
***NRd**: sforzo normale resistente, positivo se di trazione. [daN]*
***c.s.**: coefficiente di sicurezza.*
***Verifica**: stato di verifica.*
***d**: altezza utile. [cm]*
***bw**: minima larghezza anima. [cm]*
***Armatura a taglio**: necessità di armatura a taglio.*
***Asw/s**: rapporto tra l'area dell'armatura trasversale e l'interasse tra due armature consecutive.*
***VEd**: taglio agente. [daN]*
***Vrd,c**: resistenza di calcolo a taglio per elementi privi di armature trasversali. [daN]*
***Vrcd**: valore resistente di calcolo a taglio compressione del calcestruzzo d'anima. [daN]*
***Vrsd**: valore resistente di calcolo a taglio trazione dell'armatura trasversale. [daN]*
***VRd**: resistenza a taglio. [daN]*
***cotg(θ)**: cotangente dell'angolo dei puntoni rispetto all'asse.*
***Asl**: area armatura longitudinale. [cm²]*
***Sezione fessurata**: sezione fessurata.*
***σc**: tensione del calcestruzzo. [daN/cm²]*
***σc limite**: tensione limite del calcestruzzo. [daN/cm²]*
***Es/Ec**: coefficiente di omogenizzazione.*
***σf**: tensione dell'armatura. [daN/cm²]*
***σf limite**: tensione limite dell'armatura. [daN/cm²]*
***Fessurazione non valutabile**: nessuna armatura presente nell'area di cls teso efficace.*
***εsm**: deformazione unitaria media delle barre d'armatura.*
***Δmax**: distanza massima tra le fessure. [cm]*
***Wd**: ampiezza delle fessure. [cm]*
***Wlim**: ampiezza fessure limite. [cm]*

Asc 2-1

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Livelli significativi

Descrizione breve	Descrizione	Quota	Spessore
L1	fondo corsa	-220	40
L2	Fondazione	-140	65
L3	p.lo 1	200	20
L4	Piano 1	380	20
L5	p.lo 2	535	20
L6	Piano 2	690	20
L7	p.lo 3	845	20
L8	Piano 3	1000	20
L9	p.lo 4	1155	20
L10	Piano 4	1310	20
L11	p.lo 5	1465	20
L12	Piano 5	1620	20
L13	p.lo 6	1775	20
L14	Piano 6	1930	20

Verifiche nei nodi

Sezioni rettangolari

Descrizione	Dir.	Base	Altezza	As,sup	As,inf	c,sup	c,inf
3209 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
2924 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
3364 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
1777 Prosp.A	Orizzontale	89.02	20	10.18	10.18	4.65	4.65
1737 Prosp.A	Orizzontale	100	20	11.31	11.31	4.6	4.6
4680 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
9434 Prosp.A	Orizzontale	100	20	11.31	11.31	4.6	4.6
9432 Prosp.A	Verticale	100	20	5.5	5.5	3.5	3.5
9432 Prosp.A	Orizzontale	100	20	11.17	11.17	4.6	4.6

Descrizione	Dir.	Base	Altezza	As,sup	As,inf	c,sup	c,inf
9428 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
4370 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
1817 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
1793 Prosp.A	Orizzontale	100	20	11.31	11.31	4.6	4.6
1819 Prosp.A	Orizzontale	87.47	20	10.18	10.18	4.65	4.65
1862 Prosp.A	Orizzontale	50	20	5.2	5.2	4.68	4.68
1864 Prosp.A	Orizzontale	86.73	20	9.36	9.36	4.65	4.65

Verifiche a flessione SLU D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
3209 Prosp.A	Orizzontale	SLV 13	187621	7300	228336	8884	1.217	Si
2924 Prosp.A	Orizzontale	SLV 15	160640	10389	199445	12898	1.2416	Si
3364 Prosp.A	Orizzontale	SLV 15	84427	19629	107800	25063	1.2768	Si
1777 Prosp.A	Orizzontale	SLV 15	54555	50549	71456	66209	1.3098	Si
1737 Prosp.A	Orizzontale	SLV 15	90576	50135	119821	66321	1.3229	Si

Verifiche a flessione SLD Resistenza D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
4680 Prosp.A	Orizzontale	SLD 13	-120889	-5850	-416606	-20162	3.4462	Si
3209 Prosp.A	Orizzontale	SLD 13	112013	-4678	394861	-16491	3.5251	Si
9434 Prosp.A	Orizzontale	SLD 15	-140970	3271	-506236	11746	3.5911	Si
9432 Prosp.A	Verticale	SLD 1	-100643	-1509	-363652	-5453	3.6133	Si
9432 Prosp.A	Orizzontale	SLD 15	-169679	-1385	-614424	-5016	3.6211	Si

Verifiche a taglio SLU D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
1741 Prosp.A	Verticale	16.5	100	Non necessaria	0	SLU 46	8287	-21800	-92299	11750	47347	0	11750	2.5	4.712	1.4178	Si
1741 Prosp.A	Orizzontale	15.4	91.4	Non necessaria	0	SLU 29	9144	-36692	32180	13702	42269	0	13702	2.5	10.179	1.4986	Si
4680 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLV 13	-3364	214	-199551	5203	20682	0	5203	2.5	5.655	1.5466	Si
3209 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLV 13	-3243	5472	-178271	5203	20682	0	5203	2.5	5.655	1.6041	Si
9428 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLU 51	-4209	-13516	-146374	6756	22288	0	6756	2.5	5.655	1.6051	Si

Verifiche a taglio SLD Resistenza D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
9428 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 13	-2914	-8835	-95141	6218	21732	0	6218	2.5	5.655	2.1337	Si
9430 Prosp.A	Orizzontale	15.3	81.4	Non necessaria	0	SLD 9	-3621	-4524	-125129	8952	34269	0	8952	2.5	9.048	2.4722	Si
3374 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 13	-1928	-2254	5683	5462	20950	0	5462	2.5	5.655	2.833	Si
4680 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 13	-2005	-5850	-120889	5875	21377	0	5875	2.5	5.655	2.9295	Si
3209 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 13	-1945	-4678	112013	5740	21238	0	5740	2.5	5.655	2.9507	Si

Verifiche SLE tensione calcestruzzo D.M. 17-01-18 §4.1.2.2.5.1

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σc	σc limite	Es/Ec	c.s.	Verifica
3209 Prosp.A	Orizzontale	SLE QP 2	-64633	-14130	No	-29	138.2	15	4.7606	Si
3209 Prosp.A	Orizzontale	SLE QP 2	68613	-12802	No	-28.9	138.2	15	4.7757	Si
9428 Prosp.A	Orizzontale	SLE QP 2	-84031	-7531	No	-28.5	138.2	15	4.8535	Si
4680 Prosp.A	Orizzontale	SLE QP 2	-70180	-11072	No	-27.9	138.2	15	4.9588	Si
4370 Prosp.A	Orizzontale	SLE QP 2	-51816	-16018	No	-27.3	138.2	15	5.0654	Si

Verifiche SLE tensione acciaio D.M. 17-01-18 §4.1.2.2.5.2

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σf	σf limite	Es/Ec	c.s.	Verifica
1817 Prosp.A	Orizzontale	SLE RA 1	-3701	-18142	No	-224.8	3600	15	16.0147	Si
1793 Prosp.A	Orizzontale	SLE RA 2	5008	-35562	No	-222.7	3600	15	16.1629	Si
1819 Prosp.A	Orizzontale	SLE RA 1	-5631	-31042	No	-219.8	3600	15	16.3783	Si
1862 Prosp.A	Orizzontale	SLE RA 1	-7804	-18217	No	-219.6	3600	15	16.392	Si
1864 Prosp.A	Orizzontale	SLE RA 1	-12384	-30801	No	-214	3600	15	16.8227	Si

Verifiche generali

Asc 2-2

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Livelli significativi

Descrizione breve	Descrizione	Quota	Spessore
L1	fondo corsa	-220	40
L2	Fondazione	-140	65
L3	p.lo 1	200	20
L4	Piano 1	380	20
L5	p.lo 2	535	20
L6	Piano 2	690	20
L7	p.lo 3	845	20
L8	Piano 3	1000	20
L9	p.lo 4	1155	20
L10	Piano 4	1310	20

Descrizione breve	Descrizione	Quota	Spessore
L11	p.lo 5	1465	20
L12	Piano 5	1620	20
L13	p.lo 6	1775	20
L14	Piano 6	1930	20

Verifiche nei nodi

Sezioni rettangolari

Descrizione	Dir.	Base	Altezza	As,sup	As,inf	c,sup	c,inf
1492 Prosp.A	Orizzontale	100	20	11.31	11.31	4.6	4.6
1493 Prosp.A	Orizzontale	100	20	11.31	11.31	4.6	4.6
1744 Prosp.A	Orizzontale	100	20	11.31	11.31	4.6	4.6
1758 Prosp.A	Orizzontale	100	20	11.31	11.31	4.6	4.6
1788 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
1799 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
1813 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68

Verifiche a flessione SLU D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
1492 Prosp.A	Orizzontale	SLV 9	118014	51535	142330	62153	1.206	Si
1493 Prosp.A	Orizzontale	SLV 5	110386	47342	144140	61818	1.3058	Si
1744 Prosp.A	Orizzontale	SLV 9	44392	55990	61192	77179	1.3784	Si
1758 Prosp.A	Orizzontale	SLV 9	36643	56431	51305	79010	1.4001	Si
1788 Prosp.A	Orizzontale	SLV 5	17939	28065	25213	39446	1.4055	Si

Verifiche a flessione SLD Resistenza D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
1492 Prosp.A	Orizzontale	SLD 5	219547	408	579853	1078	2.6411	Si
1493 Prosp.A	Orizzontale	SLD 5	208296	1602	557989	4290	2.6788	Si
1492 Prosp.A	Orizzontale	SLD 7	-267814	-50533	-971960	-183397	3.6292	Si
1493 Prosp.A	Orizzontale	SLD 11	-260715	-43901	-986348	-166089	3.7832	Si
1799 Prosp.A	Orizzontale	SLD 7	-3858	-29919	-23661	-183474	6.1323	Si

Verifiche a taglio SLU D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
1492 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLV 5	8024	15156	284752	10442	41586	0	10442	2.5	11.31	1.3014	Si
1493 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLV 9	7987	11827	287312	10442	41586	0	10442	2.5	11.31	1.3074	Si
1745 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLU 46	7840	-25616	9678	13401	44646	0	13401	2.5	11.31	1.7093	Si
1744 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLU 46	8092	-32088	7554	14149	45420	0	14149	2.5	11.31	1.7485	Si
1745 Prosp.A	Verticale	16.5	100	Non necessaria	0	SLU 46	6301	-42255	-73575	14281	49965	0	14281	2.5	4.712	2.2665	Si

Verifiche a taglio SLD Resistenza D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
1492 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLD 5	5253	408	219547	10442	41586	0	10442	2.5	11.31	1.988	Si
1493 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLD 9	5167	-912	216851	10548	41695	0	10548	2.5	11.31	2.0413	Si
1744 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLD 7	4211	-57477	-50582	17081	48453	0	17081	2.5	11.31	4.0561	Si
1745 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLD 11	3981	-49867	-53715	16202	47544	0	16202	2.5	11.31	4.0701	Si
1744 Prosp.A	Verticale	16.5	100	Non necessaria	0	SLD 7	-2023	-9791	-55210	10263	45809	0	10263	2.5	4.712	5.0739	Si

Verifiche SLE tensione calcestruzzo D.M. 17-01-18 §4.1.2.2.5.1

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σc	σc limite	Es/Ec	c.s.	Verifica
1492 Prosp.A	Orizzontale	SLE RA 7	-276519	-11889	Si	-67.7	184.3	15	2.72	Si
1493 Prosp.A	Orizzontale	SLE RA 7	-272684	-8116	Si	-67.2	184.3	15	2.7438	Si
1492 Prosp.A	Orizzontale	SLE QP 2	187560	-9048	Si	-45.8	138.2	15	3.0157	Si
1493 Prosp.A	Orizzontale	SLE QP 2	182269	-9078	Si	-44.5	138.2	15	3.1059	Si
1492 Prosp.A	Orizzontale	SLE RA 12	215127	-9959	Si	-52.6	184.3	15	3.502	Si

Verifiche SLE tensione acciaio D.M. 17-01-18 §4.1.2.2.5.2

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σf	σf limite	Es/Ec	c.s.	Verifica
1493 Prosp.A	Orizzontale	SLE RA 7	-272684	-8116	Si	1440.3	3600	15	2.4995	Si
1492 Prosp.A	Orizzontale	SLE RA 7	195625	1649	Si	1377.2	3600	15	2.614	Si
1493 Prosp.A	Orizzontale	SLE RA 7	188711	1472	Si	1323	3600	15	2.7212	Si
1492 Prosp.A	Orizzontale	SLE RA 7	-276519	-11889	Si	1298.3	3600	15	2.7728	Si
1813 Prosp.A	Orizzontale	SLE RA 2	2199	-12156	No	-151.2	3600	15	23.807	Si

Verifiche SLE fessurazione D.M. 17-01-18 §4.1.2.2.4

Descrizione	Dir.	Comb.	Fessurazione non valutabile	MEd	NEd	Sezione fessurata	εsm	Δmax	Wd	Wlim	Es/Ec	c.s.	Verifica
1492 Prosp.A	Orizzontale	SLE QP 2		187560	-9048	Si	0.00041	17	0.0069	0.03	15	4.3447	Si
1493 Prosp.A	Orizzontale	SLE QP 2		182269	-9078	Si	0.00039	16.9	0.0066	0.03	15	4.5587	Si
1492 Prosp.A	Orizzontale	SLE FR 6		195038	-9281	Si	0.00043	17	0.0072	0.04	15	5.5259	Si
1493 Prosp.A	Orizzontale	SLE FR 6		189674	-9303	Si	0.00041	16.9	0.0069	0.04	15	5.7859	Si
1493 Prosp.A	Orizzontale	SLE FR 4		-207487	-12452	Si	0.0004	16.4	0.0066	0.04	15	6.0998	Si

Verifiche generali

Asc 2-3

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Livelli significativi

Descrizione breve	Descrizione	Quota	Spessore
L1	fondo corsa	-220	40
L2	Fondazione	-140	65
L3	p.lo 1	200	20
L4	Piano 1	380	20
L5	p.lo 2	535	20
L6	Piano 2	690	20
L7	p.lo 3	845	20
L8	Piano 3	1000	20
L9	p.lo 4	1155	20
L10	Piano 4	1310	20
L11	p.lo 5	1465	20
L12	Piano 5	1620	20
L13	p.lo 6	1775	20
L14	Piano 6	1930	20

Verifiche nei nodi

Sezioni rettangolari

Descrizione	Dir.	Base	Altezza	As,sup	As,inf	c,sup	c,inf
2926 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
2959 Prosp.A	Orizzontale	70	20	7.92	7.92	4.66	4.66
3212 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
1738 Prosp.A	Orizzontale	100	20	11.31	11.31	4.6	4.6
3365 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
9375 Prosp.A	Verticale	100	20	4.71	4.71	3.5	3.5
9373 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
9003 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
9019 Prosp.A	Orizzontale	70	20	7.92	7.92	4.66	4.66
5998 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
7671 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
1863 Prosp.A	Orizzontale	50	20	5.2	5.2	4.68	4.68
1792 Prosp.A	Orizzontale	88.53	20	10.18	10.18	4.65	4.65

Verifiche a flessione SLU D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
2926 Prosp.A	Orizzontale	SLV 7	-171790	15172	-178405	15756	1.0385	Si
2959 Prosp.A	Orizzontale	SLV 3	-250089	13432	-296163	15906	1.1842	Si
3212 Prosp.A	Orizzontale	SLV 1	-174523	9172	-212129	11148	1.2155	Si
1738 Prosp.A	Orizzontale	SLV 3	-101890	53805	-124095	65531	1.2179	Si
3365 Prosp.A	Orizzontale	SLV 3	-90445	19987	-111335	24603	1.231	Si

Verifiche a flessione SLD Resistenza D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
2926 Prosp.A	Orizzontale	SLD 7	-104134	386	-282734	1047	2.7151	Si
9375 Prosp.A	Verticale	SLD 7	-35831	7294	-103933	21157	2.9007	Si
9373 Prosp.A	Orizzontale	SLD 3	-61449	5360	-179283	15639	2.9176	Si
9003 Prosp.A	Orizzontale	SLD 3	-106801	-1673	-323314	-5065	3.0273	Si
2959 Prosp.A	Orizzontale	SLD 3	-144789	-3402	-481483	-11314	3.3254	Si

Verifiche a taglio SLU D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
1742 Prosp.A	Orizzontale	15.4	91.4	Non necessaria	0	SLU 29	-9022	-25117	-45462	12369	40890	0	12369	2.5	10.179	1.371	Si
1742 Prosp.A	Verticale	16.5	100	Non necessaria	0	SLU 46	-7980	-22144	89270	11792	47391	0	11792	2.5	4.712	1.4777	Si
6608 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLV 1	3664	-15443	-17577	6977	22517	0	6977	2.5	5.655	1.9043	Si
4683 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLV 1	2681	3378	-185338	5203	20682	0	5203	2.5	5.655	1.9406	Si
7998 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLV 1	3497	-15346	217139	6966	22506	0	6966	2.5	5.655	1.9917	Si

Verifiche a taglio SLD Resistenza D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
8165 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 3	1708	-314	-39425	5063	20719	0	5063	2.5	5.102	2.9643	Si
6608 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 1	1909	-8670	-4876	6199	21712	0	6199	2.5	5.655	3.2463	Si
7998 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 1	1829	-8645	113152	6196	21709	0	6196	2.5	5.655	3.3883	Si
6513 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 1	1780	-9128	5796	6251	21767	0	6251	2.5	5.655	3.5114	Si
6334 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 1	1796	-10572	111939	6417	21939	0	6417	2.5	5.655	3.5735	Si

Verifiche SLE tensione calcestruzzo D.M. 17-01-18 §4.1.2.2.5.1

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σc	σc limite	Es/Ec	c.s.	Verifica
9003 Prosp.A	Orizzontale	SLE QP 2	88130	-6709	No	-28.8	138.2	15	4.7908	Si
9019 Prosp.A	Orizzontale	SLE QP 2	118986	-7805	No	-27	138.2	15	5.1129	Si
9003 Prosp.A	Orizzontale	SLE RA 12	110027	-8371	No	-36	184.3	15	5.1172	Si
5998 Prosp.A	Orizzontale	SLE QP 2	71921	-8739	No	-26.3	138.2	15	5.2484	Si
7671 Prosp.A	Orizzontale	SLE QP 2	-87741	-3831	No	-26.3	138.2	15	5.258	Si

Verifiche SLE tensione acciaio D.M. 17-01-18 §4.1.2.2.5.2

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σf	σf limite	Es/Ec	c.s.	Verifica
9003 Prosp.A	Orizzontale	SLE RA 12	-96661	-1988	No	179.8	3600	15	20.0213	Si
1863 Prosp.A	Orizzontale	SLE RA 1	2520	-13345	No	-167.7	3600	15	21.4613	Si
7671 Prosp.A	Orizzontale	SLE RA 10	-104071	-4171	No	167.6	3600	15	21.4853	Si
9019 Prosp.A	Orizzontale	SLE RA 12	-129903	-3586	No	164	3600	15	21.9493	Si
1792 Prosp.A	Orizzontale	SLE RA 1	-3818	-22858	No	-160.6	3600	15	22.4153	Si

Verifiche generali

8.4 Verifiche piastre C.A.

Le unità di misura elencate nel capitolo sono in [cm, daN] ove non espressamente specificato.

***Nodo**: indice del nodo di verifica.*
***Dir.**: direzione della sezione di verifica.*
***B**: base della sezione rettangolare di verifica. [cm]*
***H**: altezza della sezione rettangolare di verifica. [cm]*
***A. sup.**: area barre armatura superiori. [cm²]*
***C. sup.**: distanza media delle barre superiori dal bordo superiore della sezione. [cm]*
***A. inf.**: area barre armatura inferiori. [cm²]*
***C. inf.**: distanza media delle barre inferiori dal bordo inferiore della sezione. [cm]*
***Comb.**: combinazione di verifica.*
***M**: momento flettente. [daN*cm]*
***N**: sforzo normale. [daN]*
***Mu**: momento flettente ultimo. [daN*cm]*
***Nu**: sforzo normale ultimo. [daN]*
***c.s.**: coefficiente di sicurezza.*
***Verifica**: stato di verifica.*
***σc**: tensione nel calcestruzzo. [daN/cm²]*
***σlim**: tensione limite. [daN/cm²]*
***Es/Ec**: coefficiente di omogenizzazione.*
***σf**: tensione nell'acciaio d'armatura. [daN/cm²]*
***εsm**: deformazione unitaria media delle barre di armatura.*
***Δmax**: distanza massima tra le fessure. [cm]*
***Wd**: valore di calcolo di apertura delle fessure. [cm]*

Platea a "fondo corsa"

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (5205; 768; -220), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
13	X	50	40	2.83	4.8	2.83	4.8	SLV 9	292360	0	348369	0	1.1916	Si
13	X	50	40	2.83	4.8	2.83	4.8	SLV 7	-279111	0	-348369	0	1.2481	Si
18	X	50	40	2.83	4.8	2.83	4.8	SLV 7	-272664	0	-348369	0	1.2776	Si
6	X	50	40	2.83	4.8	2.83	4.8	SLV 7	-262305	0	-348369	0	1.3281	Si
5	Y	50	40	2.83	3.6	2.83	3.6	SLU 20	290750	0	396211	0	1.3627	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
6	X	50	40	2.83	4.8	2.83	4.8	SLD 7	-155930	0	-348369	0	2.2341	Si
9	X	50	40	2.83	4.8	2.83	4.8	SLD 11	-147145	0	-348369	0	2.3675	Si
23	X	50	40	2.83	4.8	2.83	4.8	SLD 1	-145864	0	-348369	0	2.3883	Si
2	X	50	40	2.83	4.8	2.83	4.8	SLD 3	-139906	0	-348369	0	2.49	Si
26	X	50	40	2.83	4.8	2.83	4.8	SLD 9	-137577	0	-348369	0	2.5322	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
5	Y	50	40	2.83	3.6	2.83	3.6	SLE RA 7	189534	0	-13.1	184.3	15	Si
9	Y	91	40	5.15	3.6	5.15	3.6	SLE RA 7	335506	0	-12.7	184.3	15	Si
13	Y	100	40	5.65	3.6	5.65	3.6	SLE RA 7	359582	0	-12.4	184.3	15	Si
18	Y	100	40	5.65	3.6	5.65	3.6	SLE RA 7	342666	0	-11.8	184.3	15	Si
2	Y	50	40	2.83	3.6	2.83	3.6	SLE RA 2	155168	0	-10.7	184.3	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
5	Y	50	40	2.83	3.6	2.83	3.6	SLE RA 7	189534	0	161.1	3600	15	Si
9	Y	91	40	5.15	3.6	5.15	3.6	SLE RA 7	335506	0	156.7	3600	15	Si
13	Y	100	40	5.65	3.6	5.65	3.6	SLE RA 7	359582	0	152.8	3600	15	Si
18	Y	100	40	5.65	3.6	5.65	3.6	SLE RA 7	342666	0	145.6	3600	15	Si
2	Y	50	40	2.83	3.6	2.83	3.6	SLE RA 2	155168	0	131.9	3600	15	Si

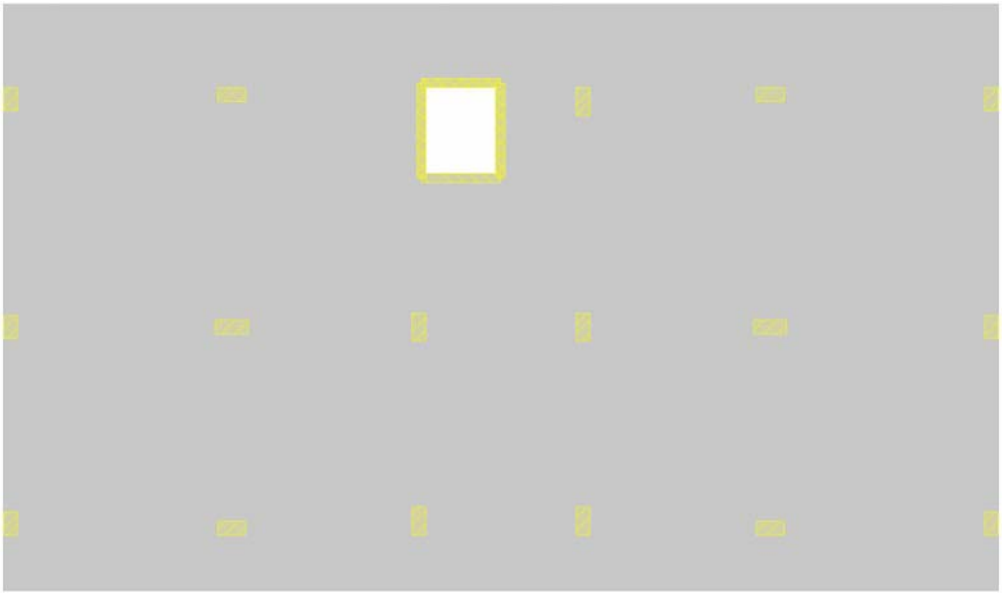
Verifiche SLE fessurazione nei nodi

La piastra non presenta nodi con apertura delle fessure.

Platea cp2

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Geometria



Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (4306; -120; -140), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
1427	Y	100	65	10.05	3.8	12.37	3.8	SLV 15	-1940103	0	-2250353	0	1.1599	Si
1283	X	100	65	18.1	5.4	10.05	5.8	SLV 9	1842687	0	2172661	0	1.1791	Si
1426	Y	100	65	10.05	3.8	24.2	3.9	SLV 15	-1866391	0	-2257902	0	1.2098	Si
1274	X	100	65	20.11	5.4	10.05	5.8	SLV 5	1780511	0	2167242	0	1.2172	Si
1383	Y	100	65	10.05	3.8	10.05	3.8	SLV 15	-1857632	0	-2261144	0	1.2172	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
732	X	100	65	10.05	5.4	10.05	5.8	SLD 3	1103351	0	2176286	0	1.9724	Si
1578	X	100	65	10.05	5.4	10.05	5.8	SLD 7	1098777	0	2176286	0	1.9806	Si
677	X	100	65	10.05	5.4	10.05	5.4	SLD 11	1090690	0	2191545	0	2.0093	Si
675	X	100	65	10.05	5.4	16.08	5.4	SLD 11	1529124	0	3104102	0	2.03	Si
669	X	100	65	10.05	5.4	22.62	5.9	SLD 15	1989481	0	4262605	0	2.1426	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
692	X	100	65	10.05	5.4	41.47	6	SLE QP 2	3413059	0	-56.8	138.2	15	Si
689	X	100	65	10.05	5.4	41.47	6	SLE QP 2	3322749	0	-55.3	138.2	15	Si
692	X	100	65	10.05	5.4	41.47	6	SLE RA 12	4002307	0	-66.6	184.3	15	Si
689	X	100	65	10.05	5.4	41.47	6	SLE RA 12	3858724	0	-64.3	184.3	15	Si
676	X	100	65	10.05	5.4	35.19	5.9	SLE QP 2	2736706	0	-48.1	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
692	X	100	65	10.05	5.4	41.47	6	SLE RA 12	4002307	0	1853.3	3600	15	Si
689	X	100	65	10.05	5.4	41.47	6	SLE RA 12	3858724	0	1786.8	3600	15	Si
676	X	100	65	10.05	5.4	35.19	5.9	SLE RA 13	3245637	0	1756.7	3600	15	Si
672	X	100	65	10.05	5.4	32.04	5.9	SLE RA 12	2627727	0	1554.6	3600	15	Si
1464	X	100	65	10.05	5.4	41.47	6	SLE RA 12	3298307	0	1527.3	3600	15	Si

Verifiche SLE fessurazione nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	εsm	Δmax	Wd	Es/Ec	Verifica
692	X	100	65	10.05	5.4	41.47	6	SLE QP 2	3413059	0	0.00048	28.4	0.0136	15	Si
676	X	100	65	10.05	5.4	35.19	5.9	SLE QP 2	2736706	0	0.00043	30.2	0.013	15	Si
689	X	100	65	10.05	5.4	41.47	6	SLE QP 2	3322749	0	0.00046	28.4	0.013	15	Si
672	X	100	65	10.05	5.4	32.04	5.9	SLE QP 2	2240092	0	0.00039	31.6	0.0122	15	Si
1464	X	100	65	10.05	5.4	41.47	6	SLE QP 2	2860501	0	0.00039	28.4	0.011	15	Si

Scala 3 - pianerottolo 1

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500

Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (5215; 30; 200), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
1845	Y	93.3	20	5.28	3.6	9.38	3.8	SLV 15	-278242	0	-299319	0	1.0758	Si
1849	Y	93.3	20	5.28	3.6	9.38	3.8	SLV 5	460251	0	503832	0	1.0947	Si
1857	X	100	20	5.65	4.8	10.05	5.4	SLV 5	416731	0	500275	0	1.2005	Si
1855	X	50	20	2.83	4.8	5.03	5.4	SLV 5	-120136	0	-147428	0	1.2272	Si
1857	X	100	20	5.65	4.8	10.05	5.4	SLV 11	-257665	0	-316443	0	1.2281	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
1849	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 5	268299	0	503832	0	1.8779	Si
1857	Y	50	20	2.83	3.6	5.03	3.8	SLD 9	135838	0	257163	0	1.8932	Si
1834	Y	50	20	2.83	3.6	5.03	3.8	SLD 5	134370	0	257163	0	1.9138	Si
1850	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 9	253941	0	503832	0	1.984	Si
1842	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 9	244922	0	503832	0	2.0571	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
1857	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	103530	0	-48.6	138.2	15	Si
1857	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 13	129338	0	-60.7	184.3	15	Si
1850	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	173604	0	-43.6	138.2	15	Si
1850	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 13	216535	0	-54.4	184.3	15	Si
1842	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	168999	0	-24.3	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
1857	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 13	129338	0	1809.2	3600	15	Si
1850	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 13	216535	0	1622.7	3600	15	Si
1842	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	211468	0	269.9	3600	15	Si
1834	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	110118	0	262.3	3600	15	Si
1858	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	98272	0	234.1	3600	15	Si

Verifiche SLE fessurazione nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	εsm	Δmax	Wd	Es/Ec	Verifica
1857	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	103530	0	0.00042	18.9	0.008	15	Si
1850	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	173604	0	0.00038	18.9	0.0072	15	Si
1857	Y	50	20	2.83	3.6	5.03	3.8	SLE FR 6	110701	0	0.00045	18.9	0.0085	15	Si
1850	Y	93.3	20	5.28	3.6	9.38	3.8	SLE FR 6	185552	0	0.0004	18.9	0.0077	15	Si

Scala 3 - pianerottolo 2

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (5215; 30; 535), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
3416	X	50	20	2.83	4.8	5.03	5.4	SLV 5	-136821	0	-147428	0	1.0775	Si
3418	X	100	20	5.65	4.8	10.05	5.4	SLV 5	447429	0	500275	0	1.1181	Si
3402	X	100	20	5.65	4.8	10.05	5.4	SLV 5	-281877	0	-316443	0	1.1226	Si
3406	X	100	20	5.65	4.8	10.05	5.4	SLV 9	-280742	0	-316443	0	1.1272	Si
3410	Y	93.3	20	5.28	3.6	9.38	3.8	SLV 9	446460	0	503832	0	1.1285	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
3402	X	100	20	5.65	4.8	10.05	5.4	SLD 5	-163733	0	-316443	0	1.9327	Si
3410	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 9	252200	0	503832	0	1.9977	Si
3416	X	50	20	2.83	4.8	5.03	5.4	SLD 5	-72639	0	-147428	0	2.0296	Si
3411	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 9	244153	0	503832	0	2.0636	Si
3406	X	100	20	5.65	4.8	10.05	5.4	SLD 9	-152260	0	-316443	0	2.0783	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
3411	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	137187	0	-19.7	138.2	15	Si
3395	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	73281	0	-19.7	138.2	15	Si
3419	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	71541	0	-19.2	138.2	15	Si
3412	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	131237	0	-18.9	138.2	15	Si

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
3396	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	69734	0	-18.7	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
3411	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	173159	0	221	3600	15	Si
3395	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	92506	0	220.4	3600	15	Si
3419	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	90400	0	215.4	3600	15	Si
3412	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	165915	0	211.7	3600	15	Si
3396	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	88252	0	210.2	3600	15	Si

Verifiche SLE fessurazione nei nodi

La piastra non presenta nodi con apertura delle fessure.

Scala 3 - pianerottolo 3

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (5215; 30; 845), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
4900	X	50	20	2.83	4.8	5.03	5.4	SLV 5	-135867	0	-147428	0	1.0851	Si
4890	X	100	20	5.65	4.8	10.05	5.4	SLV 9	-286848	0	-316443	0	1.1032	Si
4902	X	100	20	5.65	4.8	10.05	5.4	SLV 5	444615	0	500275	0	1.1252	Si
4886	X	100	20	5.65	4.8	10.05	5.4	SLV 5	-281028	0	-316443	0	1.126	Si
4906	X	50	20	2.83	4.8	5.03	5.4	SLV 5	-129916	0	-147428	0	1.1348	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
4886	X	100	20	5.65	4.8	10.05	5.4	SLD 5	-168581	0	-316443	0	1.8771	Si
4890	X	100	20	5.65	4.8	10.05	5.4	SLD 9	-164398	0	-316443	0	1.9249	Si
4894	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 5	254860	0	503832	0	1.9769	Si
4900	X	50	20	2.83	4.8	5.03	5.4	SLD 5	-74351	0	-147428	0	1.9829	Si
4902	X	100	20	5.65	4.8	10.05	5.4	SLD 5	245407	0	500275	0	2.0386	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
4895	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	144605	0	-20.8	138.2	15	Si
4879	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	74818	0	-20.1	138.2	15	Si
4903	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	73523	0	-19.7	138.2	15	Si
4895	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	182732	0	-26.3	184.3	15	Si
4880	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	72402	0	-19.4	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
4895	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	182732	0	233.2	3600	15	Si
4879	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	94588	0	225.3	3600	15	Si
4903	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	93024	0	221.6	3600	15	Si
4880	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	91707	0	218.5	3600	15	Si
4896	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	170907	0	218.1	3600	15	Si

Verifiche SLE fessurazione nei nodi

La piastra non presenta nodi con apertura delle fessure.

Scala 3 - pianerottolo 4

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (5215; 30; 1155), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
6550	X	100	20	5.65	4.8	10.05	5.4	SLV 9	-279898	0	-316443	0	1.1306	Si

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
6566	X	50	20	2.83	4.8	5.03	5.4	SLV 5	-129875	0	-147428	0	1.1352	Si
6560	X	50	20	2.83	4.8	5.03	5.4	SLV 5	-129766	0	-147428	0	1.1361	Si
6564	X	100	20	5.65	4.8	10.05	5.4	SLV 9	436594	0	500275	0	1.1459	Si
6546	X	100	20	5.65	4.8	10.05	5.4	SLV 5	-269593	0	-316443	0	1.1738	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
6546	X	100	20	5.65	4.8	10.05	5.4	SLD 5	-167744	0	-316443	0	1.8865	Si
6550	X	100	20	5.65	4.8	10.05	5.4	SLD 9	-167405	0	-316443	0	1.8903	Si
6554	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 5	253659	0	503832	0	1.9863	Si
6560	X	50	20	2.83	4.8	5.03	5.4	SLD 5	-74126	0	-147428	0	1.9889	Si
6566	X	50	20	2.83	4.8	5.03	5.4	SLD 5	-73402	0	-147428	0	2.0085	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
6555	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	149377	0	-21.5	138.2	15	Si
6554	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	143828	0	-20.7	138.2	15	Si
6539	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	76430	0	-20.5	138.2	15	Si
6555	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	188807	0	-27.1	184.3	15	Si
6540	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	74925	0	-20.1	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
6555	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	188807	0	241	3600	15	Si
6539	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	96826	0	230.7	3600	15	Si
6554	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	179647	0	229.3	3600	15	Si
6540	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	95116	0	226.6	3600	15	Si
6563	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	94816	0	225.9	3600	15	Si

Verifiche SLE fessurazione nei nodi

La piastra non presenta nodi con apertura delle fessure.

Scala 3 - pianerottolo 5

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (5215; 30; 1465), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
8232	X	50	20	2.83	4.8	5.03	5.4	SLV 9	-124007	0	-147428	0	1.1889	Si
8216	X	100	20	5.65	4.8	10.05	5.4	SLV 9	-265487	0	-316443	0	1.1919	Si
8226	X	50	20	2.83	4.8	5.03	5.4	SLV 5	-120502	0	-147428	0	1.2234	Si
8230	X	100	20	5.65	4.8	10.05	5.4	SLV 9	402164	0	500275	0	1.244	Si
8228	X	100	20	5.65	4.8	10.05	5.4	SLV 5	390237	0	500275	0	1.282	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
8216	X	100	20	5.65	4.8	10.05	5.4	SLD 9	-167255	0	-316443	0	1.892	Si
8212	X	100	20	5.65	4.8	10.05	5.4	SLD 5	-160838	0	-316443	0	1.9675	Si
8226	X	50	20	2.83	4.8	5.03	5.4	SLD 5	-72647	0	-147428	0	2.0294	Si
8232	X	50	20	2.83	4.8	5.03	5.4	SLD 9	-72142	0	-147428	0	2.0436	Si
8220	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 5	243350	0	503832	0	2.0704	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
8221	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	152263	0	-21.9	138.2	15	Si
8220	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	148891	0	-21.4	138.2	15	Si
8221	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	193248	0	-27.8	184.3	15	Si
8205	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	77238	0	-20.7	138.2	15	Si
8223	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	143411	0	-20.6	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
8221	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	193248	0	246.6	3600	15	Si
8220	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	186917	0	238.5	3600	15	Si
8205	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	98267	0	234.1	3600	15	Si
8206	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	97394	0	232	3600	15	Si
8223	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 13	181310	0	231.4	3600	15	Si

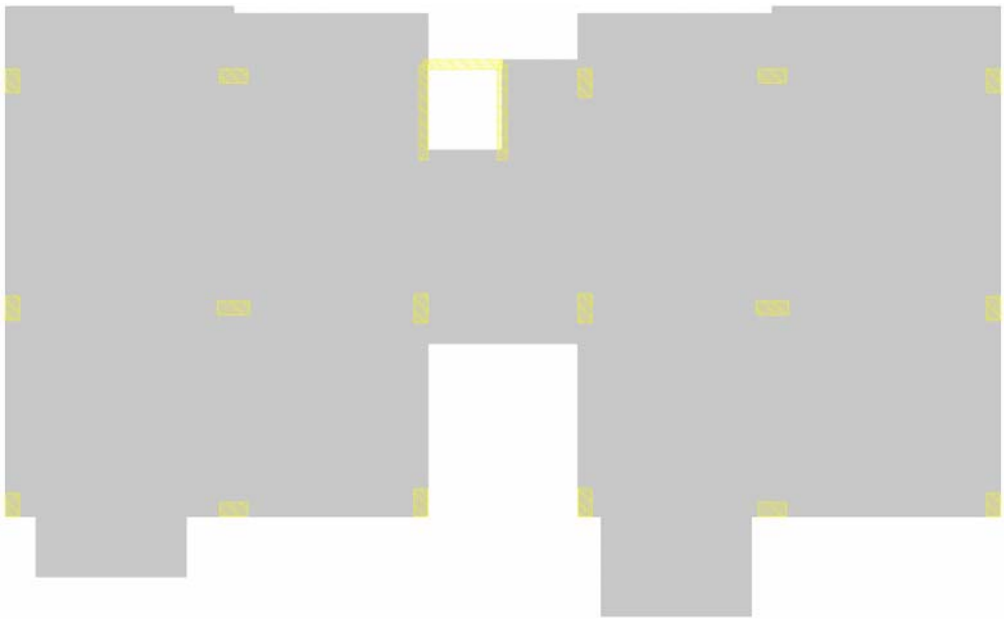
Verifiche SLE fessurazione nei nodi

La piastra non presenta nodi con apertura delle fessure.

Solaio P1 Cp2

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Geometria



Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (4306; -215; 380), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
3259	Y	100	20	11.52	3.7	7.49	3.6	SLV 13	-477513	0	-483534	0	1.0126	Si
2442	Y	100	20	19.16	3.7	5.65	3.6	SLV 13	-800138	0	-814088	0	1.0174	Si
2542	X	100	20	13.7	5.3	5.65	4.8	SLV 9	-500427	0	-518653	0	1.0364	Si
3168	X	100	20	17.72	5.3	5.65	4.8	SLV 11	-659586	0	-690069	0	1.0462	Si
2923	X	100	20	11.69	5.3	5.65	4.8	SLV 11	-525907	0	-557338	0	1.0598	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
3168	X	100	20	17.72	5.3	5.65	4.8	SLD 11	-507469	0	-690069	0	1.3598	Si
2542	X	100	20	13.7	5.3	5.65	4.8	SLD 9	-374144	0	-518653	0	1.3862	Si
2604	Y	100	20	15.82	3.7	5.65	3.6	SLD 13	-489422	0	-689173	0	1.4081	Si
3155	X	100	20	19.73	5.7	5.65	4.8	SLD 7	-545499	0	-773742	0	1.4184	Si
3259	Y	100	20	11.52	3.7	7.49	3.6	SLD 13	-340679	0	-483534	0	1.4193	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
3158	X	100	20	21.74	5.3	5.65	4.8	SLE QP 2	-503764	0	-112	138.2	15	Si
2513	X	100	20	25.76	5.4	5.65	4.8	SLE QP 2	-520675	0	-110.2	138.2	15	Si
2518	X	100	20	25.76	5.4	5.65	4.8	SLE QP 2	-515347	0	-109.1	138.2	15	Si
3155	X	100	20	19.73	5.7	5.65	4.8	SLE QP 2	-446692	0	-107.3	138.2	15	Si
3128	Y	100	20	23.75	3.8	5.65	3.6	SLE QP 2	-593169	0	-104.1	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
1958	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 12	243376	0	2906.8	3600	15	Si
1941	Y	93.3	20	5.28	3.6	5.28	3.6	SLE RA 12	222999	0	2853.7	3600	15	Si
1957	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 10	238300	0	2846.2	3600	15	Si
1924	Y	50	20	2.83	3.6	2.83	3.6	SLE RA 12	117746	0	2812.7	3600	15	Si
1940	Y	93.3	20	5.28	3.6	5.28	3.6	SLE RA 10	219010	0	2802.7	3600	15	Si

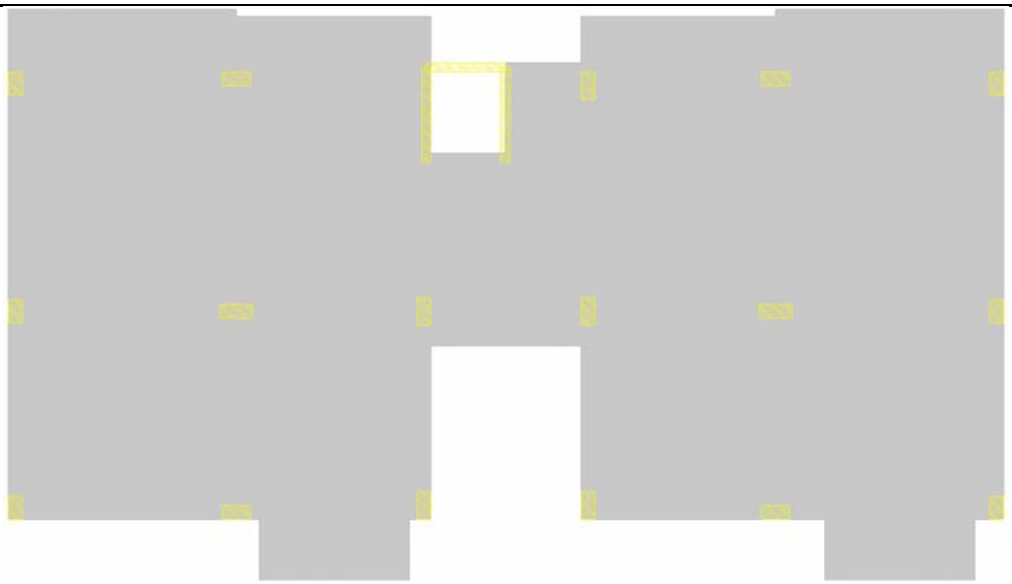
Verifiche SLE fessurazione nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	εsm	Δmax	Wd	Es/Ec	Verifica
2862	X	100	20	5.65	4.8	6.79	4.8	SLE QP 2	201824	0	0.00063	29.7	0.0188	15	Si
1991	X	100	20	7.67	5.3	5.65	4.8	SLE QP 2	-195369	0	0.00095	19.8	0.0187	15	Si
2534	X	100	20	7.67	5.3	5.65	4.8	SLE QP 2	-195189	0	0.00094	19.8	0.0187	15	Si
3187	X	100	20	9.68	5.7	5.65	4.8	SLE QP 2	-222250	0	0.0009	19.3	0.0173	15	Si
2542	X	100	20	13.7	5.3	5.65	4.8	SLE QP 2	-322498	0	0.00092	18.4	0.0169	15	Si

Solaio P2 cp2

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Geometria



Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (4306; -130; 690), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
3584	Y	65	20	7.72	3.7	3.68	3.6	SLV 15	-349836	0	-368123	0	1.0523	Si
3530	X	100	20	17.72	5.7	5.65	4.8	SLV 13	295896	0	313694	0	1.0602	Si
4832	Y	50	20	2.83	3.6	2.83	3.6	SLU 50	-170664	0	-181573	0	1.0639	Si
3511	Y	100	20	5.65	3.6	5.65	3.6	SLU 52	348971	0	372764	0	1.0682	Si
4663	X	100	20	21.74	5.3	5.65	4.8	SLV 3	-791552	0	-846783	0	1.0698	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
4832	Y	50	20	2.83	3.6	2.83	3.6	SLD 1	-118381	0	-154354	0	1.3039	Si
4663	X	100	20	21.74	5.3	5.65	4.8	SLD 3	-638326	0	-846783	0	1.3266	Si
4730	Y	100	20	19.73	3.7	5.65	3.6	SLD 1	-615362	0	-844122	0	1.3717	Si
4818	Y	65	20	3.68	3.6	3.68	3.6	SLD 5	-136785	0	-193207	0	1.4125	Si
3576	X	100	20	17.91	5.7	11.88	4.9	SLD 13	-486015	0	-686803	0	1.4131	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
4662	X	100	20	25.76	5.4	5.65	4.8	SLE QP 2	-580105	0	-122.8	138.2	15	Si
4663	X	100	20	21.74	5.3	5.65	4.8	SLE QP 2	-545868	0	-121.3	138.2	15	Si
4662	Y	100	20	25.76	3.8	5.65	3.6	SLE QP 2	-651528	0	-111.7	138.2	15	Si
4587	Y	100	20	23.75	3.8	5.65	3.6	SLE QP 2	-623370	0	-109.4	138.2	15	Si
4662	X	100	20	25.76	5.4	5.65	4.8	SLE RA 13	-664083	0	-140.5	184.3	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
3511	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 13	244184	0	2916.5	3600	15	Si
3494	Y	93.3	20	5.28	3.6	5.28	3.6	SLE RA 13	222282	0	2844.5	3600	15	Si
3510	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 13	238096	0	2843.8	3600	15	Si
4832	Y	50	20	2.83	3.6	2.83	3.6	SLE RA 11	-118646	0	2834.2	3600	15	Si
4507	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 13	235758	0	2815.8	3600	15	Si

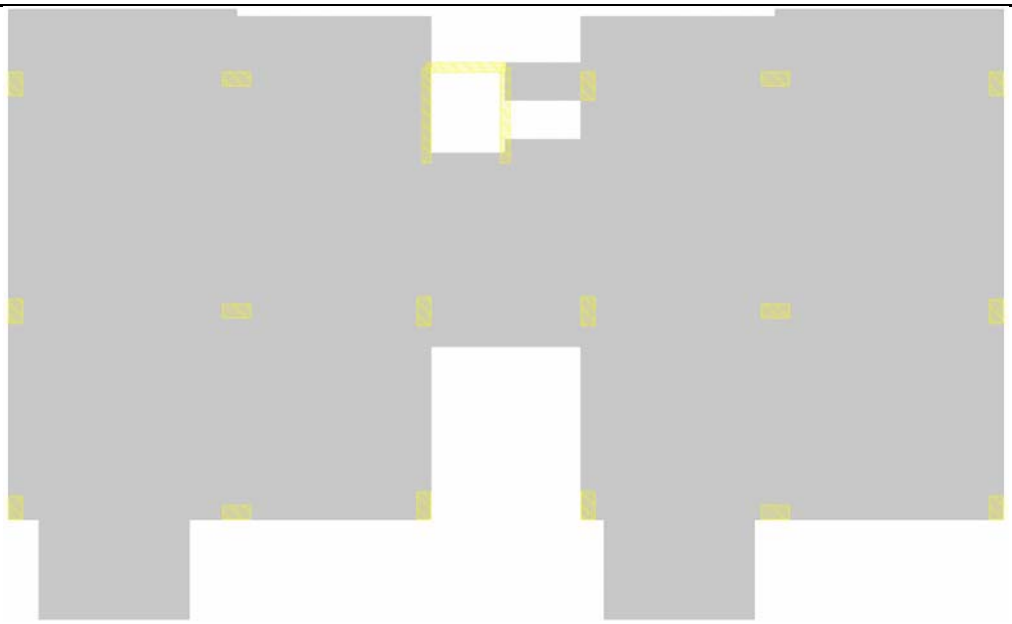
Verifiche SLE fessurazione nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	εsm	Δmax	Wd	Es/Ec	Verifica
4334	X	100	20	5.65	4.8	6.79	4.8	SLE QP 2	200807	0	0.00063	29.7	0.0187	15	Si
4400	X	100	20	5.65	4.8	6.79	4.8	SLE QP 2	198149	0	0.00062	29.7	0.0184	15	Si
4663	X	100	20	21.74	5.3	5.65	4.8	SLE QP 2	-545868	0	0.00102	17.1	0.0174	15	Si
3576	X	100	20	17.91	5.7	11.88	4.9	SLE QP 2	-406861	0	0.00094	17.9	0.0169	15	Si
4017	X	100	20	9.68	5.3	5.65	4.8	SLE QP 2	-220445	0	0.00086	19.2	0.0166	15	Si

Solaio P3 - cp2

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Geometria



Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (4306; -215; 1000), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
5005	Y	100	20	5.65	3.6	5.65	3.6	SLU 51	370881	0	372764	0	1.0051	Si
4986	Y	100	20	5.65	3.6	5.65	3.6	SLU 51	368764	0	372764	0	1.0108	Si
4985	Y	100	20	5.65	3.6	5.65	3.6	SLU 52	356523	0	372764	0	1.0456	Si
5179	Y	100	20	5.65	3.6	5.65	3.6	SLU 49	355276	0	372764	0	1.0492	Si
6489	Y	50	20	2.83	3.6	2.83	3.6	SLU 50	-171561	0	-181573	0	1.0584	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
6489	Y	50	20	2.83	3.6	2.83	3.6	SLD 1	-117661	0	-154354	0	1.3119	Si
6476	Y	65	20	3.68	3.6	3.68	3.6	SLD 5	-135183	0	-193207	0	1.4292	Si
6274	X	100	20	21.74	5.3	5.65	4.8	SLD 7	-634264	0	-916108	0	1.4444	Si
6455	Y	75.8	20	4.29	3.6	4.29	3.6	SLD 15	-169565	0	-245316	0	1.4467	Si
4986	Y	100	20	5.65	3.6	5.65	3.6	SLD 15	226690	0	328730	0	1.4501	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
6310	X	100	20	25.76	5.4	5.65	4.8	SLE QP 2	-583856	0	-123.6	138.2	15	Si
6311	X	100	20	21.74	5.3	5.65	4.8	SLE QP 2	-520146	0	-115.6	138.2	15	Si
6274	X	100	20	21.74	5.3	5.65	4.8	SLE QP 2	-516835	0	-114.9	138.2	15	Si
6310	Y	100	20	23.75	3.8	5.65	3.6	SLE QP 2	-625265	0	-109.7	138.2	15	Si
5541	X	100	20	25.76	5.4	5.65	4.8	SLE QP 2	-501290	0	-106.1	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
5005	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 12	259994	0	3105.3	3600	15	Si
4986	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 12	257229	0	3072.3	3600	15	Si
4985	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 13	248235	0	2964.9	3600	15	Si
5179	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 10	247959	0	2961.6	3600	15	Si
5172	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 10	245248	0	2929.2	3600	15	Si

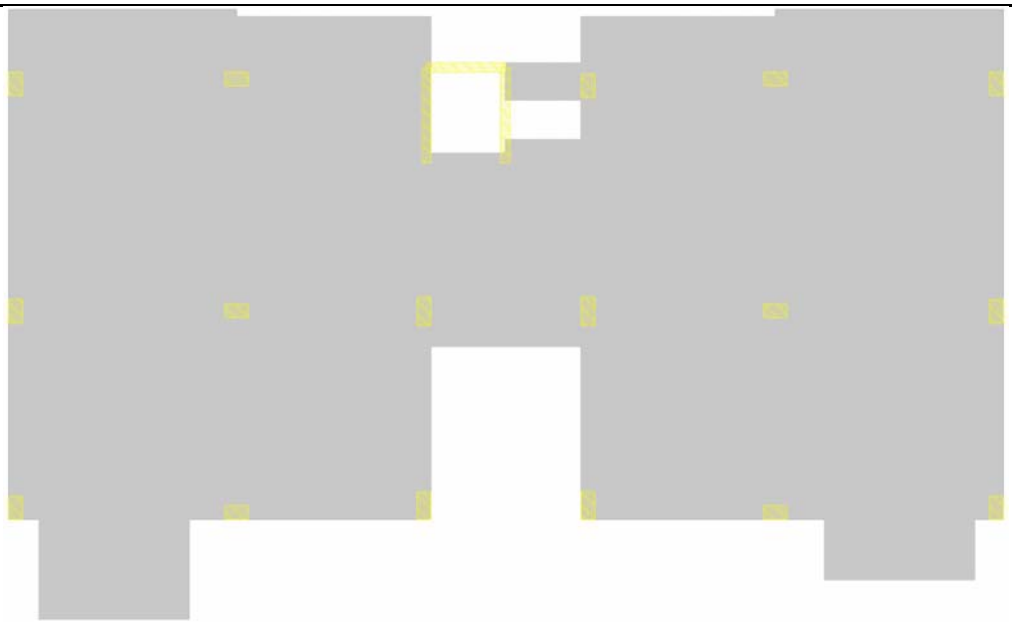
Verifiche SLE fessurazione nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	εsm	Δmax	Wd	Es/Ec	Verifica
5964	X	100	20	5.65	4.8	5.65	4.8	SLE QP 2	194677	0	0.00072	33.1	0.0239	15	Si
5935	X	100	20	5.65	4.8	6.79	4.8	SLE QP 2	209517	0	0.00066	29.7	0.0195	15	Si
5046	X	100	20	7.67	5.3	5.65	4.8	SLE QP 2	-195680	0	0.00095	19.8	0.0187	15	Si
5964	X	100	20	5.65	4.8	5.65	4.8	SLE FR 6	200625	0	0.00074	33.1	0.0246	15	Si
6025	X	100	20	5.65	4.8	6.79	4.8	SLE QP 2	198322	0	0.00062	29.7	0.0184	15	Si

Solaio P4 - Cp2

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Geometria



Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (4306; -215; 1310), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
6726	Y	100	20	13.7	3.7	5.65	3.6	SLU 50	367440	0	373326	0	1.016	Si
6665	Y	100	20	5.65	3.6	5.65	3.6	SLU 49	361743	0	372764	0	1.0305	Si
7961	Y	100	20	10.91	3.7	5.65	3.6	SLV 3	-512056	0	-537271	0	1.0492	Si
6756	X	100	20	7.67	5.3	5.65	4.8	SLV 1	-328356	0	-344877	0	1.0503	Si
6645	Y	100	20	5.65	3.6	5.65	3.6	SLU 52	353783	0	372764	0	1.0537	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
6756	X	100	20	7.67	5.3	5.65	4.8	SLD 1	-274715	0	-344877	0	1.2554	Si
6679	X	100	20	13.7	5.3	5.65	4.8	SLD 5	-394522	0	-508727	0	1.2895	Si
8116	Y	75.8	20	4.29	3.6	4.29	3.6	SLD 1	-181627	0	-245316	0	1.3507	Si
6726	Y	100	20	13.7	3.7	5.65	3.6	SLD 15	237524	0	321527	0	1.3537	Si
6821	Y	100	20	13.7	3.7	5.65	3.6	SLD 15	229512	0	322026	0	1.4031	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
7941	X	80	20	18.6	5.4	4.52	4.8	SLE QP 2	-455043	0	-124	138.2	15	Si
7259	X	99.9	20	21.74	5.3	5.65	4.8	SLE QP 2	-490833	0	-109.1	138.2	15	Si
6804	Y	100	20	31.42	3.9	5.65	3.6	SLE QP 2	-652051	0	-107.1	138.2	15	Si
7932	X	100	20	21.74	5.3	5.65	4.8	SLE QP 2	-479881	0	-106.6	138.2	15	Si
7256	X	100	20	25.76	5.4	5.65	4.8	SLE QP 2	-498121	0	-105.4	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
6726	Y	100	20	13.7	3.7	5.65	3.6	SLE RA 11	253832	0	3049.1	3600	15	Si
6665	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 10	253606	0	3029	3600	15	Si
6645	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 13	246776	0	2947.4	3600	15	Si
6661	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 11	244258	0	2917.4	3600	15	Si
6673	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 13	241377	0	2883	3600	15	Si

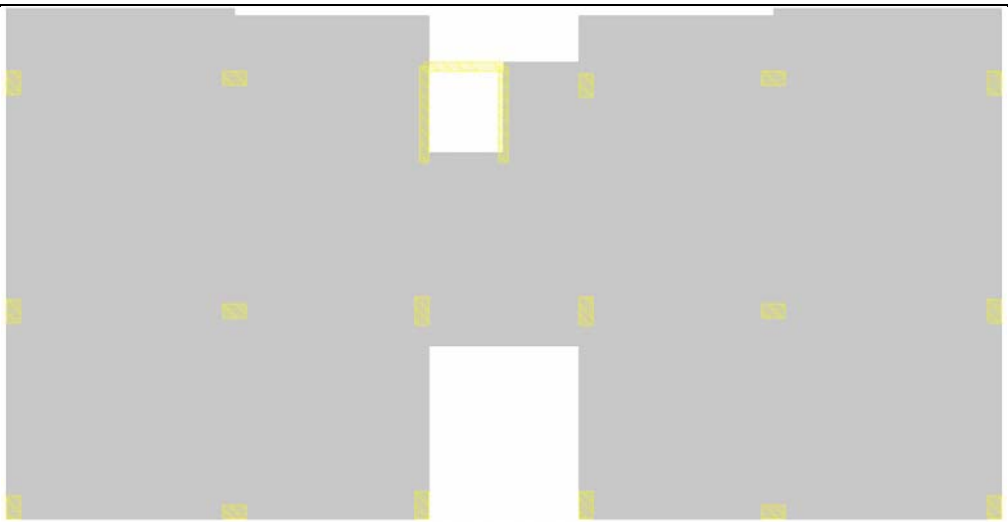
Verifiche SLE fessurazione nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	εsm	Δmax	Wd	Es/Ec	Verifica
7619	X	100	20	5.65	4.8	5.65	4.8	SLE QP 2	195746	0	0.00073	33.1	0.024	15	Si
7695	X	100	20	5.65	4.8	5.65	4.8	SLE QP 2	191735	0	0.00071	33.1	0.0235	15	Si
6756	X	100	20	7.67	5.3	5.65	4.8	SLE QP 2	-240812	0	0.00117	19.8	0.023	15	Si
7619	X	100	20	5.65	4.8	5.65	4.8	SLE FR 6	201710	0	0.00075	33.1	0.0248	15	Si
6679	X	100	20	13.7	5.3	5.65	4.8	SLE QP 2	-347642	0	0.00099	18.4	0.0182	15	Si

Solaio P5 - Cp2

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Geometria



Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (4306; 0; 1620), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
8940	X	100	20	5.65	4.8	5.65	5.2	SLU 52	353628	0	366565	0	1.0366	Si
8959	X	100	20	5.65	4.8	5.65	5.2	SLU 51	344487	0	366565	0	1.0641	Si
8641	Y	100	20	5.65	3.6	5.65	3.6	SLU 52	342455	0	372764	0	1.0885	Si
8747	Y	100	20	17.72	3.7	9.68	3.7	SLU 52	-876560	0	-956365	0	1.091	Si
8346	Y	96.6	20	14.3	3.7	14.3	3.7	SLV 3	-677617	0	-741589	0	1.0944	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
8747	Y	100	20	17.72	3.7	9.68	3.7	SLD 13	-553173	0	-752985	0	1.3612	Si
9040	X	100	20	5.65	4.8	9.68	5.3	SLD 11	285248	0	394068	0	1.3815	Si
8940	X	100	20	5.65	4.8	5.65	5.2	SLD 9	208557	0	299854	0	1.4378	Si
8959	X	100	20	5.65	4.8	5.65	5.2	SLD 9	205622	0	299854	0	1.4583	Si
8636	Y	100	20	9.33	3.7	9.33	3.7	SLD 3	-317040	0	-469724	0	1.4816	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
8684	X	100	20	25.76	5.4	11.69	5.3	SLE QP 2	-494803	0	-102.8	138.2	15	Si
8698	X	100	20	21.74	5.3	11.38	5.3	SLE QP 2	-467526	0	-102.5	138.2	15	Si
8687	X	100	20	25.76	5.4	13.7	5.3	SLE QP 2	-490829	0	-101.1	138.2	15	Si
8684	X	100	20	25.76	5.4	11.69	5.3	SLE RA 13	-639333	0	-132.8	184.3	15	Si
8698	X	100	20	21.74	5.3	11.38	5.3	SLE RA 13	-596955	0	-130.9	184.3	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
8940	X	100	20	5.65	4.8	5.65	5.2	SLE RA 13	250885	0	3282.1	3600	15	Si
8959	X	100	20	5.65	4.8	5.65	5.2	SLE RA 12	244392	0	3197.1	3600	15	Si
9022	X	100	20	5.65	4.8	5.65	5.2	SLE RA 13	235752	0	3084.1	3600	15	Si
9023	X	100	20	5.65	4.8	5.65	5.2	SLE RA 12	235054	0	3075	3600	15	Si
8930	X	100	20	5.65	4.8	5.65	4.8	SLE RA 13	236718	0	3016.8	3600	15	Si

Verifiche SLE fessurazione nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	εsm	Δmax	Wd	Es/Ec	Verifica
8940	X	100	20	5.65	4.8	5.65	5.2	SLE QP 2	197795	0	0.00075	33.1	0.025	15	Si
8959	X	100	20	5.65	4.8	5.65	5.2	SLE QP 2	191813	0	0.00073	33.1	0.0242	15	Si
9022	X	100	20	5.65	4.8	5.65	5.2	SLE QP 2	186895	0	0.00071	33.1	0.0236	15	Si
9023	X	100	20	5.65	4.8	5.65	5.2	SLE QP 2	184276	0	0.0007	33.1	0.0233	15	Si
8930	X	100	20	5.65	4.8	5.65	4.8	SLE QP 2	187406	0	0.0007	33.1	0.023	15	Si

Solaio P6 - Cp2

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Geometria

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (4746; 270; 1930), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
9596	Y	100	20	11.24	3.7	11.24	3.7	SLU 47	-589984	0	-661001	0	1.1204	Si
9601	Y	100	20	11.13	3.7	11.13	3.7	SLU 52	-575631	0	-654425	0	1.1369	Si
9615	Y	100	20	5.65	3.6	5.65	3.6	SLU 51	323790	0	372764	0	1.1513	Si
9627	Y	100	20	9.68	3.7	5.65	3.6	SLU 48	-486200	0	-561637	0	1.1552	Si
9637	Y	100	20	5.65	3.6	5.65	3.6	SLU 47	320060	0	372764	0	1.1647	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
9627	Y	100	20	9.68	3.7	5.65	3.6	SLD 9	-308382	0	-445783	0	1.4456	Si
9612	Y	100	20	9.38	3.7	9.38	3.7	SLD 13	-317174	0	-464603	0	1.4648	Si
9833	Y	50	20	7.22	3.7	2.83	3.6	SLD 3	-257843	0	-386116	0	1.4975	Si
9596	Y	100	20	11.24	3.7	11.24	3.7	SLD 13	-403208	0	-615312	0	1.526	Si
9601	Y	100	20	11.13	3.7	11.13	3.7	SLD 13	-381743	0	-605528	0	1.5862	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
9593	X	50	20	11.12	5.3	2.83	4.8	SLE QP 2	-206523	0	-90.7	138.2	15	Si
9601	X	50	20	11.12	5.3	2.83	4.8	SLE QP 2	-203914	0	-89.6	138.2	15	Si
9601	X	50	20	11.12	5.3	2.83	4.8	SLE RA 13	-263563	0	-115.8	184.3	15	Si
9593	X	50	20	11.12	5.3	2.83	4.8	SLE RA 13	-263551	0	-115.8	184.3	15	Si
9833	Y	50	20	7.22	3.7	2.83	3.6	SLE QP 2	-189469	0	-77.5	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
9615	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 12	229501	0	2741.1	3600	15	Si
9637	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 8	226960	0	2710.8	3600	15	Si
9672	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 12	225019	0	2687.6	3600	15	Si
9596	Y	100	20	11.24	3.7	11.24	3.7	SLE RA 8	-418621	0	2655.6	3600	15	Si
9656	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 12	222108	0	2652.8	3600	15	Si

Verifiche SLE fessurazione nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	εsm	Δmax	Wd	Es/Ec	Verifica
9561	Y	100	20	7.67	3.7	5.65	3.6	SLE QP 2	-223695	0	0.00059	24.5	0.0144	15	Si
9596	Y	100	20	11.24	3.7	11.24	3.7	SLE QP 2	-337451	0	0.00071	18.8	0.0133	15	Si
9603	X	99.1	20	15.03	5.3	5.6	4.8	SLE QP 2	-279733	0	0.00073	18.1	0.0132	15	Si
9601	Y	100	20	11.13	3.7	11.13	3.7	SLE QP 2	-316299	0	0.00065	20.1	0.013	15	Si
9615	Y	100	20	5.65	3.6	5.65	3.6	SLE QP 2	183227	0	0.00064	20.3	0.013	15	Si

8.5 Verifiche superelementi aste acciaio laminate

Le unità di misura elencate nel capitolo sono in [cm, daN, deg] ove non espressamente specificato.

***Sezione**: sezione in acciaio.*
***Rotazione**: rotazione della sezione. [deg]*
***Area**: area inerziale nel sistema geometrico centrato nel baricentro. [cm²]*
***Jx**: momento d'inerzia attorno all'asse orizzontale baricentrico di definizione della sezione. [cm4]*
***Jy**: momento d'inerzia attorno all'asse verticale baricentrico di definizione della sezione. [cm4]*
***ix**: raggio di inerzia relativo all'asse x. [cm]*
***iy**: raggio di inerzia relativo all'asse y. [cm]*
***Wx**: modulo di resistenza elastico minimo relativo all'asse x. [cm³]*
***Wy**: modulo di resistenza elastico minimo relativo all'asse y. [cm³]*
***Wplx**: modulo di resistenza plastico relativo all'asse x. [cm³]*
***Wply**: modulo di resistenza plastico relativo all'asse y. [cm³]*
***X**: distanza dal nodo iniziale. [cm]*
***Comb.**: combinazione di verifica.*
***Sfruttamento**: rapporto di sfruttamento per la verifica in esame, inverso del coefficiente di sicurezza. Verificato se minore o uguale di 1.*
***Classe**: classe della sezione.*
***NEd**: sollecitazione assiale. [daN]*
***Nc,Rd**: resistenza assiale a compressione ridotta per taglio. [daN]*
***Nt,Rd**: resistenza assiale a trazione ridotta per taglio. [daN]*
***Riduzione da taglio**: rapporto tra la resistenza assiale ridotta per taglio e la resistenza assiale.*
***ρx**: coefficiente di riduzione della resistenza di snervamento per taglio in direzione x.*
***ρy**: coefficiente di riduzione della resistenza di snervamento per taglio in direzione y.*
***Verifica**: stato di verifica.*
***VEd**: sollecitazione di taglio. [daN]*
***Vc,Rd**: resistenza a taglio. [daN]*
***Av**: area resistenza a taglio. [cm²]*
***Interazione taglio-torsione**: indica se è possibile ridurre il taglio resistente per presenza di torsione.*
***Riduzione torsione**: coefficiente riduttivo della resistenza a taglio per presenza di torsione.*
***Sfruttamento torsione**: rapporto tra TEd e TRd.*
***TEd**: sollecitazione torcente. [daN*cm]*
***TRd**: resistenza a torsione. [daN*cm]*
***Riduzione taglio resistente**: indica se è possibile ridurre il taglio resistente per presenza di torsione.*
***Sfruttamento taglio-torsione**: τEd,totale / (0.5 * τRd). Non verificato se maggiore di 1.*
***τEd,totale**: somma delle tensioni tangenziali totale derivanti da taglio e torsione. [daN/cm²]*
***τRd**: tensione tangenziale resistente. [daN/cm²]*
***Mx,Ed**: sollecitazione flettente attorno x-x. [daN*cm]*
***Mx,Rd**: resistenza a flessione attorno x-x ridotta per taglio. [daN*cm]*
***Rid. Mx,Rd da VEd**: rapporto tra la resistenza flettente ridotta per taglio e la resistenza flettente attorno x-x.*
***My,Ed**: sollecitazione flettente attorno y-y. [daN*cm]*
***My,Rd**: resistenza a flessione attorno y-y ridotta per taglio. [daN*cm]*
***Rid. My,Rd da VEd**: rapporto tra la resistenza flettente ridotta per taglio e la resistenza flettente attorno y-y.*
***α**: esponente α per flessione deviata.*
***β**: esponente β per flessione deviata.*
***NRd**: resistenza assiale ridotta per taglio. [daN]*
***Rid. NRd da VEd**: rapporto tra la resistenza assiale ridotta per taglio e la resistenza assiale.*
***Mx,Rd**: resistenza a flessione attorno x-x ridotta. [daN*cm]*
***Rid. Mx,Rd da NEd**: rapporto tra la resistenza flettente ridotta per sforzo normale e taglio e la resistenza flettente ridotta per taglio attorno x-x.*
***My,Rd**: resistenza a flessione attorno y-y ridotta per taglio e la resistenza flettente ridotta per taglio attorno y-y.*
***Rid. My,Rd da NEd**: rapporto tra la resistenza flettente ridotta per sforzo normale e taglio e la resistenza flettente ridotta per taglio attorno y-y.*
***Numero rit.**: numero del ritegno.*
***Presente**: indica se il ritegno è presente o meno.*
***Ascissa**: ascissa del ritegno rispetto al nodo iniziale del superelemento o ascissa iniziale e finale della campata. [cm]*
***Campata**: campata tra i ritegni.*
***βx/m**: coefficiente di lunghezza efficace per rotazione attorno a x/m.*
***Vincolo a entrambi estremi**: indica se il tratto è vincolato a entrambi gli estremi.*
***λx/m**: snellezza attorno a x/m del tratto tra i due ritegni.*
***λVer**: snellezza accettabile.*
***βy/n**: coefficiente di lunghezza efficace per rotazione attorno a y/n.*
***k,LT**: coefficiente di lunghezza efficace per rotazione nel calcolo del momento critico ENV1993-1-1 F 1.2(3).*
***kw,LT**: coefficiente di lunghezza efficace per ingobbamento nel calcolo del momento critico ENV1993-1-1 F 1.2(4).*
***λy/n**: snellezza attorno a y/n del tratto tra i due ritegni.*
***Obblig.**: indica se la verifica è obbligatoria da norma.*
***Mx,Eff,Ed**: momento interno efficace di verifica attorno x-x secondo ENV1993-1-1 §5.5.3. [daN*cm]*
***Mb,Rd,x**: momento resistente di progetto per l'instabilità per sollecitazione flettente attorno l'asse x-x. [daN*cm]*
***χ,LT**: coefficiente di riduzione per instabilità flesso-torsionale.*
***λ adim. LT**: snellezza adimensionale per instabilità flesso-torsionale.*
***L,LT**: distanza tra due ritegni torsionali. [cm]*
***M,critico**: momento critico. [daN*cm]*
***kLT**: valore di kLT.*
***ky**: valore di ky.*
***Wx**: modulo resistente della sezione per inflessione attorno all'asse x-x. [cm³]*
***Wy**: modulo resistente della sezione per inflessione attorno all'asse y-y. [cm³]*
***NRk**: resistenza caratteristica assiale. [daN]*
***Mx,Ed max**: momento sollecitante massimo attorno l'asse x-x tra due ritegni all'inflessione attorno x-x. [daN*cm]*
***Mx,Rk**: resistenza caratteristica a flessione attorno l'asse x-x. [daN*cm]*
***My,Ed max**: momento sollecitante massimo attorno l'asse y-y tra due ritegni all'inflessione attorno y-y. [daN*cm]*

***My,Rk**: resistenza caratteristica a flessione attorno l'asse y-y. [daN*cm]*
***χ,x**: coefficiente di riduzione per inflessione attorno l'asse x-x.*
***χ,y**: coefficiente di riduzione per inflessione attorno l'asse y-y.*
***kxx**: valore di kxx.*
***kxy**: valore di kxy.*
***kyx**: valore di kyx.*
***kyy**: valore di kyy.*
***η**: valore di η.*
***hw**: altezza dell'anima. [cm]*
***tw**: spessore dell'anima. [cm]*
***hw/tw max**: rapporto tra hw e tw massimo.*
***Ascissa freccia**: ascissa della massima freccia. [cm]*
***Combinazione**: combinazione di verifica in cui è ricavata la freccia.*
***Freccia**: massima freccia. [cm]*
***Luce**: luce di verifica. [cm]*
***L/f**: rapporto luce su freccia.*
***L/f,min**: minimo rapporto luce su freccia consentito.*
***Tipo**: freccia calcolata considerando le sole condizioni variabili o tutte le condizioni (totale) all'interno della combinazione di verifica.*

Superelemento in acciaio a "Piano 3" (5415; 903)-(5415; 818)

Caratteristiche del materiale

Acciaio: S275, fyk = 2750

Caratteristiche geometriche

Lunghezza: 85
Nodo iniziale: 6197 Nodo finale: 6080
Cerniera iniziale: No Cerniera finale: No
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
36.8	SLU 2	0.017	1	-1114	67039.1		1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
85	SLD 9	0.007		493.8		67039.1	1	0	0	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
85	SLV 7	0.022	-337.3	15140.5	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
85	SLD 8	0.013	-193	15141.1	10.02	Considerata	1	Si

Verifica a torsione §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
85	SLV 16	0.003	-28.8	9980.3	Considerata				Si

Verifica a torsione SLD §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
85	SLD 16	0.002	-16.2	9980.3	Considerata				Si

Verifica a flessione semplice X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
53.8	SLD 1	0.009	1	2294.7	256685.2	1	0	0	Si

Verifica a flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
85	SLD 1	0.022	1	5459	256685	-65	129533	1	1			0	0	Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
85	SLU 46	0.042	1	-1021.3	67039.1	1	6849	256685	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
36.8	SLD 8	0.012	1	-236.2	67039.1	1	2240	256685	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
39.7	SLV 13	0.014	1	887.3	67039.1	1	52	129533	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
79.3	SLD 14	0.01	1	448.2	67039.1	1	377	129533	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
85	SLV 7	0.086	1	-724	67039.1	1	17556	256685	-831	129533	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
85	SLD 8	0.042	1	-236.2	67039.1	1	9393	256685	-306	129533	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	21.4	Si, (<200)
2	Si	85					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	34.1	Si, (<200)
2	Si	85							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
53.8	SLU 25	0.01	1	Si	195.8	2918.7	2467.8	256685.2	1	0.285	85	3310567.5	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
34	SLD 15	0.004	1	Si	270.7	1735.7	1112.2	256685.2	1	0.316	85	2694365.8	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
85	SLV 10	0.035	1	981.7	-9273.1	-7012.6	1003.9	1	1	1	1900539	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
0	SLD 10	0.017	1	493.8	4850.2	3713.2	-370.2	1	1	1	1900539	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
62.3	SLV 7	0.082	1	-724	70391.1	17556.1	269519.5	831.4	136009.3	0.984	0.901	0.423	0.241	0.992	0.401	1	Si

Verifica di stabilità per pressoflessione SLD §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
79.3	SLD 8	0.041	1	-236.2	70391.1	9392.7	269519.5	306	136009.3	0.984	0.901	0.442	0.24	0.992	0.4	1	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	55.46	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	55.46	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
19.8	SLE RA 1	0	85	10000	250	Totale	Si
59.5	SLE RA 2	0	85	10000	250	Totale	Si
51	SLE RA 3	0	85	10000	250	Totale	Si
17	SLE RA 4	0	85	10000	250	Totale	Si
19.8	SLE RA 5	0	85	10000	250	Totale	Si
17	SLE RA 2	0	85	10000	350	Variabile	Si
17	SLE RA 3	0	85	10000	350	Variabile	Si
65.2	SLE RA 4	0	85	10000	350	Variabile	Si
17	SLE RA 5	0	85	10000	350	Variabile	Si
17	SLE RA 6	0	85	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
48.2	SLE RA 1	0.002	85	10000	250	Totale	Si
48.2	SLE RA 2	0.002	85	10000	250	Totale	Si
48.2	SLE RA 3	0.002	85	10000	250	Totale	Si
48.2	SLE RA 4	0.002	85	10000	250	Totale	Si
48.2	SLE RA 5	0.002	85	10000	250	Totale	Si
59.5	SLE RA 2	0	85	10000	350	Variabile	Si
45.3	SLE RA 3	0	85	10000	350	Variabile	Si
56.7	SLE RA 4	0	85	10000	350	Variabile	Si

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
53.8	SLE RA 5	0	85	10000	350	Variabile	Si
65.2	SLE RA 6	0	85	10000	350	Variabile	Si

Superelemento in acciaio a "Piano 3" (5505; 903)-(5505; 818)

Caratteristiche del materiale

Acciaio: S275, fyk = 2750

Caratteristiche geometriche

Lunghezza: 85
Nodo iniziale: 6199 Nodo finale: 6082
Cerniera iniziale: No Cerniera finale: No
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
0	SLU 42	0.015	1	-1018.5	67039.1		1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
85	SLD 8	0.003	1	-192.6	67039.1		1	0	0	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLV 14	0.044	668.4	15146.4	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLD 14	0.024	356.9	15146.4	10.02	Considerata	1	Si

Verifica a torsione §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
85	SLV 8	0.004	-40.7	9980.3	Considerata				Si

Verifica a torsione SLD §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
85	SLD 7	0.002	-22.5	9980.3	Considerata				Si

Verifica a flessione semplice X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
19.8	SLU 49	0.038	1	9802	256685.2	1	0	0	Si

Verifica a flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
0	SLU 51	0.056	1	14366	256685	-58	129533	1	1			0	0	Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
0	SLU 46	0.07	1	-1014	67039.1	1	14055	256685	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
39.7	SLD 11	0.03	1	-118.8	67039.1	1	7155	256685	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
56.7	SLV 15	0.003	1	180.6	67039.1	1	81	129533	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
82.2	SLD 5	0.003	1	105.8	67039.1	1	227	129533	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
0	SLV 15	0.131	1	180.6	67039.1	1	32210	256685	-408	129533	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
0	SLD 16	0.073	1	71.9	67039.1	1	18145	256685	-195	129533	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	21.4	Si, (<200)
2	Si	85					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	34.1	Si, (<200)
2	Si	85							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
48.2	SLV 15	0.031	1	Si	180.6	8321.7	7905.7	256685.2	1	0.377	85	1900539	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
39.7	SLD 16	0.025	1	Si	71.9	6541.4	6375.9	256685.2	1	0.377	85	1900539	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
0	SLV 15	0.127	1	180.6	32209.5	31793.5	-408.4	1	1	1	1900539	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
0	SLD 15	0.072	1	71.9	18144.9	17979.4	-195.1	1	1	1	1900539	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
85	SLV 4	0.103	1	-403.8	70391.1	24230	269519.5	736.8	136009.3	0.984	0.901	0.4	0.24	0.992	0.4	1	Si

Verifica di stabilità per pressoflessione SLD §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
85	SLD 12	0.055	1	-118.8	70391.1	13472.1	269519.5	184.4	136009.3	0.984	0.901	0.612	0.24	0.992	0.4	1	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	55.46	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	55.46	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
17	SLE RA 1	0	85	10000	250	Totale	Si
51	SLE RA 2	0	85	10000	250	Totale	Si
51	SLE RA 3	0	85	10000	250	Totale	Si
68	SLE RA 4	0	85	10000	250	Totale	Si
39.7	SLE RA 5	0	85	10000	250	Totale	Si
56.7	SLE RA 2	0	85	10000	350	Variabile	Si
56.7	SLE RA 3	0	85	10000	350	Variabile	Si
62.3	SLE RA 4	0	85	10000	350	Variabile	Si
56.7	SLE RA 5	0	85	10000	350	Variabile	Si
56.7	SLE RA 6	0	85	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
36.8	SLE RA 1	0.004	85	10000	250	Totale	Si
36.8	SLE RA 2	0.004	85	10000	250	Totale	Si
36.8	SLE RA 3	0.004	85	10000	250	Totale	Si
36.8	SLE RA 4	0.004	85	10000	250	Totale	Si
36.8	SLE RA 5	0.004	85	10000	250	Totale	Si
25.5	SLE RA 2	0	85	10000	350	Variabile	Si
28.3	SLE RA 3	0	85	10000	350	Variabile	Si
45.3	SLE RA 4	0	85	10000	350	Variabile	Si
34	SLE RA 5	0	85	10000	350	Variabile	Si
36.8	SLE RA 6	0	85	10000	350	Variabile	Si

Superelemento in acciaio a "Piano 4" (5415; 903)-(5415; 818)

Caratteristiche del materiale

Acciaio: S275, fyk = 2750

Caratteristiche geometriche

Lunghezza: 85
Nodo iniziale: 7844 Nodo finale: 7733
Cerniera iniziale: No Cerniera finale: No
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
5.7	SLV 10	0.019		1253.6		67039.1	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
85	SLD 9	0.009		608.6		67039.1	1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
39.7	SLV 10	0.001	32.6	31710.6	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
85	SLV 7	0.02	-301.4	15137.4	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
85	SLD 7	0.012	-181	15138.9	10.02	Considerata	1	Si

Verifica a torsione §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
85	SLV 16	0.003	-29.5	9980.3	Considerata				Si

Verifica a torsione SLD §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
85	SLD 16	0.002	-18.2	9980.3	Considerata				Si

Verifica a flessione semplice X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
56.7	SLD 1	0.01	1	2489	256685.2	1	0	0	Si

Verifica a flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
85	SLD 1	0.021	1	5280	256685	-67	129533	1	1			0	0	Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
85	SLU 3	0.028	1	-1075.5	67039.1	1	3159	256685	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
39.7	SLD 8	0.013	1	-246.6	67039.1	1	2423	256685	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
31.2	SLV 9	0.021	1	1253.6	67039.1	1	-235	129533	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
70.8	SLD 14	0.012	1	565	67039.1	1	421	129533	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
85	SLV 8	0.085	1	-891.6	67039.1	1	15968	256685	-1258	129533	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
85	SLD 7	0.041	1	-246.6	67039.1	1	8755	256685	-420	129533	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	21.4	Si, (<200)
2	Si	85					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	34.1	Si, (<200)
2	Si	85							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
48.2	SLU 17	0.006	1	Si	187	1916.1	1485.4	256685.2	1	0.291	85	3185338.5	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
34	SLD 15	0.001	1	Si	359	1058.1	231.5	256685.2	1	0.322	85	2592944.6	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
85	SLV 9	0.031	1	1253.6	-7858.3	-4971.6	1521.8	1	1	1	1900539	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
0	SLD 10	0.014	1	608.6	3880.4	2479	-561.6	1	1	1	1900539	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
62.3	SLV 7	0.08	1	-891.6	70391.1	15968.1	269519.5	1258.4	136009.3	0.984	0.901	0.441	0.241	0.992	0.401	1	Si

Verifica di stabilità per pressoflessione SLD §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
79.3	SLD 8	0.039	1	-246.6	70391.1	8755.4	269519.5	420.1	136009.3	0.984	0.901	0.448	0.24	0.992	0.4	1	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	55.46	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	55.46	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
62.3	SLE RA 1	0	85	10000	250	Totale	Si
65.2	SLE RA 2	0	85	10000	250	Totale	Si
62.3	SLE RA 3	0	85	10000	250	Totale	Si
62.3	SLE RA 4	0	85	10000	250	Totale	Si
62.3	SLE RA 5	0	85	10000	250	Totale	Si
62.3	SLE RA 2	0	85	10000	350	Variabile	Si
62.3	SLE RA 3	0	85	10000	350	Variabile	Si
45.3	SLE RA 4	0	85	10000	350	Variabile	Si
65.2	SLE RA 5	0	85	10000	350	Variabile	Si
62.3	SLE RA 6	0	85	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
48.2	SLE RA 1	0.001	85	10000	250	Totale	Si
48.2	SLE RA 2	0.001	85	10000	250	Totale	Si
48.2	SLE RA 3	0.001	85	10000	250	Totale	Si
48.2	SLE RA 4	0.001	85	10000	250	Totale	Si
48.2	SLE RA 5	0.001	85	10000	250	Totale	Si
62.3	SLE RA 2	0	85	10000	350	Variabile	Si
25.5	SLE RA 3	0	85	10000	350	Variabile	Si
53.8	SLE RA 4	0	85	10000	350	Variabile	Si
48.2	SLE RA 5	0	85	10000	350	Variabile	Si
65.2	SLE RA 6	0	85	10000	350	Variabile	Si

Superelemento in acciaio a "Piano 4" (5505; 903)-(5505; 818)

Caratteristiche del materiale

Acciaio: S275, fyk = 2750

Caratteristiche geometriche

Lunghezza: 85
Nodo iniziale: 7846 Nodo finale: 7735
Cerniera iniziale: No Cerniera finale: No
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
39.7	SLU 2	0.014	1	-954.1	67039.1		1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
82.2	SLD 14	0.004		296.6		67039.1	1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
85	SLV 9	0.001	27.5	31706.3	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLV 14	0.031	464.9	15146.4	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLD 14	0.022	327	15139.4	10.02	Considerata	1	Si

Verifica a torsione §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
79.3	SLV 7	0.005	-46.2	9980.3	Considerata				Si

Verifica a torsione SLD §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
85	SLD 8	0.003	-29.2	9980.3	Considerata				Si

Verifica a flessione semplice X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
39.7	SLD 12	0.022	1	5696	256685.2	1	0	0	Si

Verifica a flessione semplice Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	My,Ed	My,Rd	Rid. My,Rd da VEd	ρx	ρy	Verifica
85	SLD 11	0.001	1	-188.1	129532.6	1	0	0	Si

Verifica a flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
0	SLD 12	0.057	1	14199	256685	214	129533	1	1			0	0	Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
0	SLU 42	0.075	1	-914.8	67039.1	1	15769	256685	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
42.5	SLD 8	0.024	1	-89.3	67039.1	1	5939	256685	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
65.2	SLU 6	0.014	1	-905.9	67039.1	1	-35	129533	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
51	SLD 5	0.003	1	197	67039.1	1	47	129533	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
0	SLV 16	0.087	1	378	67039.1	1	19886	256685	-515	129533	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
0	SLD 15	0.063	1	210.7	67039.1	1	14917	256685	-255	129533	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	21.4	Si, (<200)
2	Si	85					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	34.1	Si, (<200)
2	Si	85							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
28.3	SLU 17	0.026	1	Si	109	7028.8	6777.8	256685.2	1	0.377	85	1900539	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
42.5	SLD 15	0.009	1	Si	210.7	2780.7	2295.4	256685.2	1	0.377	85	1900539	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
0	SLV 15	0.078	1	378	19885.7	19015.2	-515	1	1	1	1900539	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
0	SLD 16	0.058	1	210.7	14916.8	14431.6	-254.7	1	1	1	1900539	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
39.7	SLU 46	0.085	1	-866.7	70391.1	18128.7	269519.5	56.5	136009.3	0.984	0.901	0.421	0.391	0.992	0.651	1	Si

Verifica di stabilità per pressoflessione SLD §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
85	SLD 12	0.056	1	0	70391.1	14199	269519.5	213.8	136009.3	0.984	0.901	0.495	0.24	0.992	0.4	1	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	55.46	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	55.46	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
19.8	SLE RA 1	0	85	10000	250	Totale	Si
42.5	SLE RA 2	0	85	10000	250	Totale	Si
42.5	SLE RA 3	0	85	10000	250	Totale	Si
19.8	SLE RA 4	0	85	10000	250	Totale	Si
31.2	SLE RA 5	0	85	10000	250	Totale	Si
59.5	SLE RA 2	0	85	10000	350	Variabile	Si
59.5	SLE RA 3	0	85	10000	350	Variabile	Si
25.5	SLE RA 4	0	85	10000	350	Variabile	Si
59.5	SLE RA 5	0	85	10000	350	Variabile	Si
53.8	SLE RA 6	0	85	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
31.2	SLE RA 1	0.004	85	10000	250	Totale	Si
31.2	SLE RA 2	0.004	85	10000	250	Totale	Si
31.2	SLE RA 3	0.004	85	10000	250	Totale	Si
31.2	SLE RA 4	0.004	85	10000	250	Totale	Si
31.2	SLE RA 5	0.004	85	10000	250	Totale	Si
22.7	SLE RA 2	0	85	10000	350	Variabile	Si
28.3	SLE RA 3	0	85	10000	350	Variabile	Si
42.5	SLE RA 4	0	85	10000	350	Variabile	Si
34	SLE RA 5	0	85	10000	350	Variabile	Si
28.3	SLE RA 6	0	85	10000	350	Variabile	Si

Superelemento in acciaio a "Piano 6" (5185; 0)-(5538; 0)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 353
Nodo iniziale: 9442 Nodo finale: 9443
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
329.5	SLV 7	0.002		121.3		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
353	SLD 8	0.001		84.9		57288	1	0	0	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
353	SLU 48	0.03	-391.3	12943.3	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLD 1	0.01	128.3	12943.3	10.02	Considerata	1	Si

Verifica a flessione semplice X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
176.5	SLV 5	0.055	1	-12021.4	219349.2	1	0	0	Si

Verifica a flessione semplice Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	My,Ed	My,Rd	Rid. My,Rd da VEd	ρx	ρy	Verifica
0	SLV 5	0.028	1	-3058.2	110691.5	1	0	0	Si

Verifica a flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
129.4	SLV 6	0.058	1	-11162	219349	-817	110692	1	1			0	0	Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
176.5	SLU 48	0.171	1	106.8	57288	1	-37122	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
176.5	SLD 8	0.056	1	84.9	57288	1	-12021	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLV 2	0.025	1	60.4	57288	1	-2681	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLD 6	0.015	1	41.1	57288	1	-1554	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
164.7	SLU 48	0.171	1	106.8	57288	1	-36956	219349	-44	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
153	SLD 2	0.057	1	61.6	57288	1	-11807	219349	-192	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	88.8	Si, (<200)
2	Si	353					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	141.4	Si, (<200)
2	Si	353							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
176.5	SLU 47	0.204	1	Si	99.1	-37122.2	-36894.1	180997.2	0.825	0.785	353	373431.6	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
176.5	SLD 10	0.066	1	Si	36.7	-12021.4	-11936.8	180997.2	0.825	0.785	353	373431.6	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
164.7	SLU 47	0.203	1	99.1	-36956.2	-36728	-46.1	0.825	1	1	373431.6	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
153	SLD 6	0.067	1	41.1	-11806.5	-11711.8	-208.7	0.825	1	1	373431.6	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
0	SLV 5	0.077	1	0	60152.4	12021.4	230316.7	3058.2	116226.1	0.632	0.313	0.95	0.24	1	0.4	0.825	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
70.6	SLE RA 1	0.002	353	10000	250	Totale	Si
70.6	SLE RA 2	0.002	353	10000	250	Totale	Si
70.6	SLE RA 3	0.002	353	10000	250	Totale	Si
70.6	SLE RA 4	0.002	353	10000	250	Totale	Si
70.6	SLE RA 5	0.002	353	10000	250	Totale	Si
82.4	SLE RA 2	0	353	10000	350	Variabile	Si
200	SLE RA 3	0	353	10000	350	Variabile	Si
70.6	SLE RA 4	0	353	10000	350	Variabile	Si
270.6	SLE RA 5	0	353	10000	350	Variabile	Si
270.6	SLE RA 6	0	353	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
176.5	SLE RA 8	-0.39	353	905.9	250	Totale	Si
176.5	SLE RA 9	-0.39	353	905.9	250	Totale	Si
176.5	SLE RA 4	-0.348	353	1015	250	Totale	Si
176.5	SLE RA 5	-0.348	353	1015	250	Totale	Si
176.5	SLE RA 12	-0.318	353	1110.6	250	Totale	Si
176.5	SLE RA 8	-0.221	353	1594.1	350	Variabile	Si
176.5	SLE RA 9	-0.221	353	1594.1	350	Variabile	Si
176.5	SLE RA 4	-0.18	353	1966	350	Variabile	Si
176.5	SLE RA 5	-0.18	353	1966	350	Variabile	Si
176.5	SLE RA 12	-0.15	353	2359.2	350	Variabile	Si

Superelemento in acciaio a "Piano 6" (5185; 100)-(5538; 100)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 353
Nodo iniziale: 9446 Nodo finale: 9447
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
353	SLV 14	0.001		31.9		57288	1	0	0	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
353	SLU 48	0.057	-736.5	12943.3	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLD 1	0.017	221.2	12943.3	10.02	Considerata	1	Si

Verifica a flessione semplice X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
176.5	SLU 47	0.32	1	-70175.7	219349.2	1	0	0	Si

Verifica a flessione semplice X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
176.5	SLD 1	0.095	1	-20912.9	219349.2	1	0	0	Si

Verifica a flessione semplice Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	My,Ed	My,Rd	Rid. My,Rd da VEd	ρx	ρy	Verifica
353	SLV 5	0.029	1	3183.7	110691.5	1	0	0	Si

Verifica a flessione semplice Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	My,Ed	My,Rd	Rid. My,Rd da VEd	ρx	ρy	Verifica
353	SLD 6	0.015	1	1632.7	110691.5	1	0	0	Si

Verifica a flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
164.7	SLU 47	0.319	1	-69862	219349	-54	110692	1	1			0	0	Si

Verifica a flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
188.3	SLD 6	0.096	1	-20819	219349	109	110692	1	1			0	0	Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
176.5	SLU 48	0.32	1	26.7	57288	1	-70176	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
353	SLV 10	0.02	1	30.9	57288	1	2188	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
164.7	SLU 48	0.319	1	26.7	57288	1	-69862	219349	-56	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	88.8	Si, (<200)
2	Si	353					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	141.4	Si, (<200)
2	Si	353							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
176.5	SLU 48	0.387	1	Si	26.7	-70175.7	-70114.2	180997.2	0.825	0.785	353	373431.6	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
164.7	SLU 48	0.386	1	26.7	-69861.7	-69800.2	-56.1	0.825	1	1	373431.6	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
0	SLU 47	0.39	1	0	60152.4	70175.7	230316.7	737.6	116226.1	0.632	0.313	0.95	0.24	1	0.4	0.825	Si

Verifica di stabilità per pressoflessione SLD §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
341.2	SLD 6	0.121	1	0	60152.4	20912.9	230316.7	1632.7	116226.1	0.632	0.313	0.95	0.24	1	0.4	0.825	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
70.6	SLE RA 1	0.002	353	10000	250	Totale	Si
82.4	SLE RA 2	0.002	353	10000	250	Totale	Si
82.4	SLE RA 3	0.002	353	10000	250	Totale	Si
70.6	SLE RA 4	0.003	353	10000	250	Totale	Si
82.4	SLE RA 5	0.003	353	10000	250	Totale	Si
258.9	SLE RA 2	0	353	10000	350	Variabile	Si
176.5	SLE RA 3	0	353	10000	350	Variabile	Si
70.6	SLE RA 4	0	353	10000	350	Variabile	Si
82.4	SLE RA 5	0	353	10000	350	Variabile	Si
94.1	SLE RA 6	0	353	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
176.5	SLE RA 8	-0.731	353	483	250	Totale	Si
176.5	SLE RA 9	-0.731	353	483	250	Totale	Si
176.5	SLE RA 4	-0.647	353	545.6	250	Totale	Si
176.5	SLE RA 5	-0.647	353	545.6	250	Totale	Si
176.5	SLE RA 12	-0.587	353	601.2	250	Totale	Si
176.5	SLE RA 8	-0.443	353	797	350	Variabile	Si
176.5	SLE RA 9	-0.443	353	797	350	Variabile	Si
176.5	SLE RA 4	-0.359	353	983	350	Variabile	Si
176.5	SLE RA 5	-0.359	353	983	350	Variabile	Si
176.5	SLE RA 12	-0.299	353	1179.6	350	Variabile	Si

Superelemento in acciaio a "Piano 6" (5185; 200)-(5538; 200)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 353

Nodo iniziale: 9448 Nodo finale: 9449
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
0	SLV 8	0.008	1	-451.5	57288		1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
353	SLD 7	0.004	1	-201.6	57288		1	0	0	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
353	SLU 48	0.057	-736.5	12943.3	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLD 1	0.017	221.2	12943.3	10.02	Considerata	1	Si

Verifica a flessione semplice X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
176.5	SLU 25	0.252	1	-55319.5	219349.2	1	0	0	Si

Verifica a flessione semplice X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
176.5	SLD 15	0.095	1	-20912.9	219349.2	1	0	0	Si

Verifica a flessione semplice Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	My,Ed	My,Rd	Rid. My,Rd da VEd	ρx	ρy	Verifica
0	SLU 49	0.009	1	-1031.5	110691.5	1	0	0	Si

Verifica a flessione semplice Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	My,Ed	My,Rd	Rid. My,Rd da VEd	ρx	ρy	Verifica
0	SLD 15	0.01	1	-1067.6	110691.5	1	0	0	Si

Verifica a flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
164.7	SLU 25	0.252	1	-55072	219349	-67	110692	1	1			0	0	Si

Verifica a flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
164.7	SLD 16	0.096	1	-20819	219349	-75	110692	1	1			0	0	Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
176.5	SLU 48	0.324	1	-211.7	57288	1	-70176	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
176.5	SLD 8	0.099	1	-201.6	57288	1	-20913	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
353	SLV 9	0.04	1	406.6	57288	1	3602	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
353	SLD 10	0.02	1	156.8	57288	1	1910	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
164.7	SLU 48	0.323	1	-211.7	57288	1	-69862	219349	-91	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
188.3	SLD 8	0.099	1	-201.6	57288	1	-20819	219349	-63	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;

Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	88.8	Si, (<200)
2	Si	353					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	141.4	Si, (<200)
2	Si	353							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
176.5	SLV 15	0.115	1	Si	44.8	-20912.9	-20809.9	180997.2	0.825	0.785	353	373431.6	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
176.5	SLD 5	0.114	1	Si	106.1	-20912.9	-20668.6	180997.2	0.825	0.785	353	373431.6	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
164.7	SLV 16	0.115	1	44.8	-20819.4	-20716.4	-108.5	0.825	1	1	373431.6	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
188.3	SLD 14	0.115	1	108.1	-20819.4	-20570.5	118	0.825	1	1	373431.6	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
247.1	SLU 48	0.403	1	-211.7	60152.4	70175.7	230316.7	1034.5	116226.1	0.632	0.313	0.954	0.244	0.998	0.407	0.825	Si

Verifica di stabilità per pressoflessione SLD §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
353	SLD 7	0.129	1	-201.6	60152.4	20912.9	230316.7	722.6	116226.1	0.632	0.313	0.954	0.244	0.998	0.406	0.825	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
70.6	SLE RA 1	0.003	353	10000	250	Totale	Si
82.4	SLE RA 2	0.004	353	10000	250	Totale	Si
82.4	SLE RA 3	0.004	353	10000	250	Totale	Si
70.6	SLE RA 4	0.004	353	10000	250	Totale	Si
82.4	SLE RA 5	0.004	353	10000	250	Totale	Si
211.8	SLE RA 2	0.001	353	10000	350	Variabile	Si
176.5	SLE RA 3	0.001	353	10000	350	Variabile	Si
82.4	SLE RA 4	0	353	10000	350	Variabile	Si
117.7	SLE RA 5	0.001	353	10000	350	Variabile	Si
105.9	SLE RA 6	0.001	353	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
176.5	SLE RA 9	-0.731	353	483	250	Totale	Si
176.5	SLE RA 8	-0.731	353	483	250	Totale	Si
176.5	SLE RA 5	-0.647	353	545.6	250	Totale	Si
176.5	SLE RA 4	-0.647	353	545.6	250	Totale	Si
176.5	SLE RA 13	-0.587	353	601.2	250	Totale	Si
176.5	SLE RA 9	-0.443	353	797	350	Variabile	Si
176.5	SLE RA 8	-0.443	353	797	350	Variabile	Si
176.5	SLE RA 5	-0.359	353	983	350	Variabile	Si
176.5	SLE RA 4	-0.359	353	983	350	Variabile	Si
176.5	SLE RA 13	-0.299	353	1179.6	350	Variabile	Si

Superelemento in acciaio a "Piano 6" (5215; 300)-(5538; 300)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 323
Nodo iniziale: 9485 Nodo finale: 9486
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
10.8	SLV 9	0.016		905.5		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
10.8	SLD 9	0.007		381.2		57288	1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLV 9	0.001	30.4	27105.4	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLU 48	0.057	-732.6	12943.3	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLD 1	0.017	218.2	12943.3	10.02	Considerata	1	Si

Verifica a flessione semplice X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
161.5	SLU 47	0.27	1	-59157.3	219349.2	1	0	0	Si

Verifica a flessione semplice Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	My,Ed	My,Rd	Rid. My,Rd da VEd	ρx	ρy	Verifica
323	SLU 51	0.017	1	1863.1	110691.5	1	0	0	Si

Verifica a flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
172.3	SLU 47	0.27	1	-58894	219349	132	110692	1	1			0	0	Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLU 48	0.27	1	30.5	57288	1	-59157	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLD 9	0.087	1	381.2	57288	1	-17618	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLV 9	0.06	1	905.5	57288	1	-4916	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
323	SLD 9	0.031	1	381.2	57288	1	2706	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLU 48	0.27	1	30.5	57288	1	-58894	219349	124	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
183	SLD 9	0.089	1	381.2	57288	1	-17305	219349	366	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	81.3	Si, (<200)
2	Si	323					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	129.4	Si, (<200)
2	Si	323							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLU 48	0.32	1	Si	30.5	-59157.3	-59087.1	184819.7	0.843	0.753	323	406477.5	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLD 15	0.094	1	Si	72.4	-17617.7	-17451	184819.7	0.843	0.753	323	406477.5	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLU 48	0.319	1	30.5	-58894.4	-58824.1	123.7	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLD 16	0.095	1	72.4	-17539.4	-17372.7	113.8	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
96.9	SLU 47	0.326	1	0	60152.4	59157.3	230316.7	1767.4	116226.1	0.683	0.357	0.95	0.24	1	0.4	0.843	Si

Verifica di stabilità per pressoflessione SLD §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
301.5	SLD 8	0.116	1	-375	60152.4	17617.7	230316.7	677.8	116226.1	0.683	0.357	0.956	0.246	0.997	0.41	0.843	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
258.4	SLE RA 1	-0.005	323	10000	250	Totale	Si
258.4	SLE RA 2	-0.004	323	10000	250	Totale	Si
258.4	SLE RA 3	-0.005	323	10000	250	Totale	Si
258.4	SLE RA 4	-0.005	323	10000	250	Totale	Si
258.4	SLE RA 5	-0.005	323	10000	250	Totale	Si
236.9	SLE RA 2	0	323	10000	350	Variabile	Si
161.5	SLE RA 3	0	323	10000	350	Variabile	Si
258.4	SLE RA 4	0	323	10000	350	Variabile	Si
75.4	SLE RA 5	0	323	10000	350	Variabile	Si
75.4	SLE RA 6	0.001	323	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
161.5	SLE RA 9	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 8	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 5	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 4	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 13	-0.416	323	776.2	250	Totale	Si
161.5	SLE RA 8	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 9	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 4	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 5	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 12	-0.212	323	1521.9	350	Variabile	Si

Superelemento in acciaio a "Piano 6" (5215; 400)-(5538; 400)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 323
Nodo iniziale: 9546 Nodo finale: 9547
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
312.2	SLV 5	0.013		755.3		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
312.2	SLD 6	0.008		434.4		57288	1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLV 9	0.001	31	27105.4	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLU 48	0.057	732.6	12943.3	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLD 1	0.017	218.2	12943.3	10.02	Considerata	1	Si

Verifica a torsione §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
0	SLV 15	0.001	-6.7	8528.6	Considerata				Si

Verifica a flessione semplice X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
161.5	SLD 12	0.08	1	-17617.7	219349.2	1	0	0	Si

Verifica a flessione semplice Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	My,Ed	My,Rd	Rid. My,Rd da VEd	ρx	ρy	Verifica
0	SLD 11	0.001	1	77.2	110691.5	1	0	0	Si

Verifica a flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
129.2	SLD 11	0.077	1	-16913	219349	33	110692	1	1			0	0	Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLU 48	0.276	1	356.2	57288	1	-59157	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLD 5	0.088	1	434.4	57288	1	-17618	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLV 9	0.056	1	618.6	57288	1	-5011	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
323	SLD 9	0.032	1	375.8	57288	1	2763	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLU 48	0.276	1	356.2	57288	1	-58894	219349	143	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
183	SLD 6	0.089	1	434.4	57288	1	-17305	219349	296	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	81.3	Si, (<200)
2	Si	323					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	129.4	Si, (<200)
2	Si	323							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLU 47	0.316	1	Si	326.6	-59157.3	-58405.2	184819.7	0.843	0.753	323	406477.5	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLD 8	0.095	1	Si	43.8	-17617.7	-17516.8	184819.7	0.843	0.753	323	406477.5	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLU 47	0.316	1	326.6	-58894.4	-58142.2	144.9	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLD 15	0.095	1	53.5	-17539.4	-17416.3	122.7	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
323	SLV 11	0.118	1	-335.7	60152.4	17617.7	230316.7	1698.1	116226.1	0.683	0.357	0.955	0.246	0.998	0.409	0.843	Si

Verifica di stabilità per pressoflessione SLD §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
0	SLD 11	0.096	1	0	60152.4	17617.7	230316.7	77.2	116226.1	0.683	0.357	0.95	0.259	1	0.431	0.843	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
247.6	SLE RA 1	-0.005	323	10000	250	Totale	Si
247.6	SLE RA 2	-0.005	323	10000	250	Totale	Si
247.6	SLE RA 3	-0.005	323	10000	250	Totale	Si
247.6	SLE RA 4	-0.006	323	10000	250	Totale	Si
247.6	SLE RA 5	-0.005	323	10000	250	Totale	Si
75.4	SLE RA 2	0	323	10000	350	Variabile	Si
226.1	SLE RA 3	0	323	10000	350	Variabile	Si
247.6	SLE RA 4	0	323	10000	350	Variabile	Si
247.6	SLE RA 5	0	323	10000	350	Variabile	Si
247.6	SLE RA 6	-0.001	323	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
161.5	SLE RA 8	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 9	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 4	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 5	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 12	-0.416	323	776.2	250	Totale	Si
161.5	SLE RA 8	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 9	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 4	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 5	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 12	-0.212	323	1521.9	350	Variabile	Si

Superelemento in acciaio a "Piano 6" (5215; 500)-(5538; 500)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 323
Nodo iniziale: 9612 Nodo finale: 9613
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
323	SLU 52	0.012		686.8		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
0	SLD 1	0.009		491.4		57288	1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLV 9	0.001	31	27105.4	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLU 48	0.057	732.6	12943.3	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLD 1	0.017	218.2	12943.3	10.02	Considerata	1	Si

Verifica a torsione §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
323	SLV 16	0.001	-10.8	8528.6	Considerata				Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLU 48	0.281	1	648.2	57288	1	-59157	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLD 1	0.089	1	491.4	57288	1	-17618	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLV 9	0.053	1	448.6	57288	1	-5026	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLD 10	0.032	1	412.8	57288	1	-2762	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLU 48	0.281	1	648.2	57288	1	-58894	219349	129	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
140	SLD 5	0.09	1	466.6	57288	1	-17305	219349	-292	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	81.3	Si, (<200)
2	Si	323					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	129.4	Si, (<200)
2	Si	323							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLU 47	0.313	1	Si	606.6	-59157.3	-57760.4	184819.7	0.843	0.753	323	406477.5	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLD 16	0.092	1	Si	279.7	-17617.7	-16973.6	184819.7	0.843	0.753	323	406477.5	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLU 47	0.312	1	606.6	-58894.4	-57497.5	130.8	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
183	SLD 14	0.093	1	312.2	-17304.5	-16585.6	329.1	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
258.4	SLE RA 1	-0.005	323	10000	250	Totale	Si
258.4	SLE RA 2	-0.005	323	10000	250	Totale	Si
258.4	SLE RA 3	-0.005	323	10000	250	Totale	Si
258.4	SLE RA 4	-0.005	323	10000	250	Totale	Si
258.4	SLE RA 5	-0.005	323	10000	250	Totale	Si
75.4	SLE RA 2	0	323	10000	350	Variabile	Si
226.1	SLE RA 3	0	323	10000	350	Variabile	Si
258.4	SLE RA 4	0	323	10000	350	Variabile	Si
247.6	SLE RA 5	0	323	10000	350	Variabile	Si
258.4	SLE RA 6	-0.001	323	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
161.5	SLE RA 8	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 9	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 4	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 5	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 12	-0.416	323	776.2	250	Totale	Si
161.5	SLE RA 8	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 9	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 4	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 5	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 12	-0.212	323	1521.9	350	Variabile	Si

Superelemento in acciaio a "Piano 6" (5215; 600)-(5538; 600)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 323
Nodo iniziale: 9677 Nodo finale: 9678
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
312.2	SLV 4	0.017		965.2		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
323	SLD 4	0.012		715.4		57288	1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLV 9	0.001	31.1	27105.4	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLU 47	0.057	732.6	12938.5	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLD 16	0.017	-218.2	12938.2	10.02	Considerata	1	Si

Verifica a torsione §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
323	SLV 16	0.002	-14.1	8528.6	Considerata				Si

Verifica a torsione SLD §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
323	SLD 16	0.001	-8.3	8528.6	Considerata				Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLU 48	0.285	1	867.3	57288	1	-59157	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLD 3	0.093	1	715.4	57288	1	-17618	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLV 9	0.048	1	124.7	57288	1	-5032	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
323	SLD 9	0.031	1	346.1	57288	1	2765	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLU 48	0.285	1	867.3	57288	1	-58894	219349	136	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
150.7	SLD 4	0.093	1	715.4	57288	1	-17539	219349	37	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	81.3	Si, (<200)
2	Si	323					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	129.4	Si, (<200)
2	Si	323							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLU 47	0.31	1	Si	810	-59157.3	-57292.2	184819.7	0.843	0.753	323	406477.5	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLD 14	0.091	1	Si	315.9	-17617.7	-16890.3	184819.7	0.843	0.753	323	406477.5	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLU 47	0.31	1	810	-58894.4	-57029.3	136.8	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
183	SLD 13	0.093	1	315.9	-17304.5	-16577.1	333	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
258.4	SLE RA 1	-0.005	323	10000	250	Totale	Si
247.6	SLE RA 2	-0.005	323	10000	250	Totale	Si
247.6	SLE RA 3	-0.005	323	10000	250	Totale	Si
258.4	SLE RA 4	-0.005	323	10000	250	Totale	Si
258.4	SLE RA 5	-0.005	323	10000	250	Totale	Si
75.4	SLE RA 2	0	323	10000	350	Variabile	Si
215.3	SLE RA 3	0	323	10000	350	Variabile	Si
258.4	SLE RA 4	0	323	10000	350	Variabile	Si
247.6	SLE RA 5	0	323	10000	350	Variabile	Si
247.6	SLE RA 6	-0.001	323	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
161.5	SLE RA 8	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 9	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 4	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 5	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 12	-0.416	323	776.2	250	Totale	Si
161.5	SLE RA 8	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 9	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 4	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 5	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 12	-0.212	323	1521.9	350	Variabile	Si

Superelemento in acciaio a "Piano 6" (5215; 700)-(5538; 700)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 323
Nodo iniziale: 9740 Nodo finale: 9741
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
323	SLV 7	0.026		1509.8		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
323	SLD 8	0.018		1035.8		57288	1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLV 9	0.001	31.2	27094	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLU 47	0.057	-732.6	12938.8	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLD 14	0.017	-218.2	12938.7	10.02	Considerata	1	Si

Verifica a torsione §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
161.5	SLV 14	0.001	-12.3	8528.6	Considerata				Si

Verifica a torsione SLD §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
0	SLD 13	0.001	-7.5	8528.6	Considerata				Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLU 48	0.29	1	1159.9	57288	1	-59157	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLD 8	0.098	1	1035.8	57288	1	-17618	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLV 7	0.053	1	1509.8	57288	1	2941	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
323	SLD 10	0.031	1	327.8	57288	1	2774	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLU 48	0.29	1	1159.9	57288	1	-58894	219349	141	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
150.7	SLD 7	0.099	1	1035.8	57288	1	-17539	219349	65	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	81.3	Si, (<200)
2	Si	323					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	129.4	Si, (<200)
2	Si	323							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLU 47	0.307	1	Si	1073.5	-59157.3	-56685.4	184819.7	0.843	0.753	323	406477.5	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLD 10	0.091	1	Si	327.8	-17617.7	-16862.8	184819.7	0.843	0.753	323	406477.5	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLU 47	0.307	1	1073.5	-58894.4	-56422.5	141.6	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
183	SLD 9	0.093	1	327.8	-17304.5	-16549.6	372.1	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
0	SLV 9	0.121	1	-146.1	60152.4	17617.7	230316.7	5044.7	116226.1	0.683	0.357	0.952	0.242	0.999	0.404	0.843	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
247.6	SLE RA 1	-0.005	323	10000	250	Totale	Si
247.6	SLE RA 2	-0.005	323	10000	250	Totale	Si
247.6	SLE RA 3	-0.005	323	10000	250	Totale	Si
247.6	SLE RA 4	-0.005	323	10000	250	Totale	Si
247.6	SLE RA 5	-0.005	323	10000	250	Totale	Si
75.4	SLE RA 2	0	323	10000	350	Variabile	Si
204.6	SLE RA 3	0	323	10000	350	Variabile	Si
258.4	SLE RA 4	0	323	10000	350	Variabile	Si
247.6	SLE RA 5	0	323	10000	350	Variabile	Si
247.6	SLE RA 6	-0.001	323	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
161.5	SLE RA 9	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 8	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 5	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 4	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 13	-0.416	323	776.2	250	Totale	Si
161.5	SLE RA 9	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 8	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 5	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 4	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 13	-0.212	323	1521.9	350	Variabile	Si

ALLEGATO DI CALCOLO

Corpo 3

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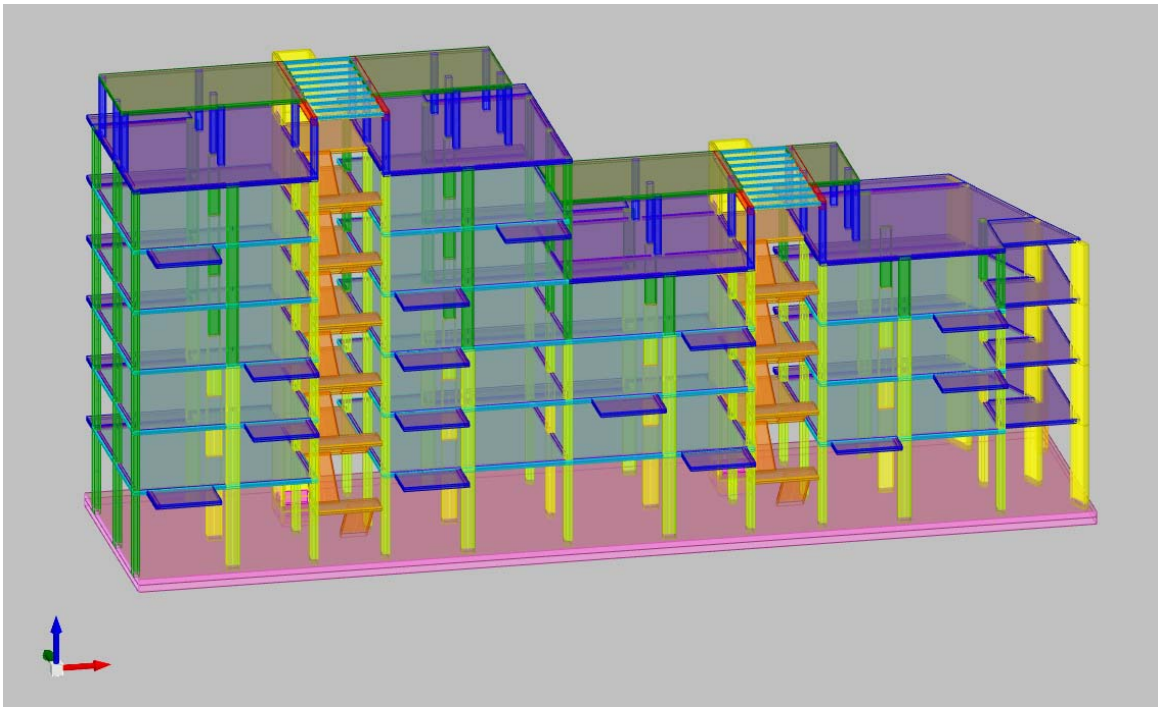
1 Rappresentazione generale dell'edificio



Vista assonometrica dell'edificio nella sua interezza

2 Normative

D.M. 17-01-18
Norme Tecniche per le Costruzioni

Circolare 7 21-01-19 C.S.LL.PP
Istruzioni per l'applicazione dell'Aggiornamento delle N.T.C. di cui al decreto ministeriale 17 gennaio 2018.

Eurocodici
EN 1995-1-1:2004 +AC:2006 + A1:2008 + A2:2014
ETA-03/0050
ETA-07/0086
ETA-08/0147

3 Descrizione del software

Descrizione del programma Sismicad

Si tratta di un programma di calcolo strutturale che nella versione più estesa è dedicato al progetto e verifica degli elementi in cemento armato, acciaio, muratura e legno di opere civili.
Il programma utilizza come analizzatore e solutore del modello strutturale un proprio solutore agli elementi finiti tridimensionale fornito col pacchetto. Il programma è sostanzialmente diviso in tre moduli:
- un pre processore che consente l'introduzione della geometria e dei carichi e crea il file dati di input al solutore;
- il solutore agli elementi finiti;
- un post processore che a soluzione avvenuta elabora i risultati eseguendo il progetto e la verifica delle membrature e producendo i grafici ed i tabulati di output.

Specifiche tecniche

Denominazione del software: Sismicad 12.21
Produttore del software: Concrete
Concrete srl, via della Pieve, 19, 35121 PADOVA - Italy
http://www.concrete.it
Rivenditore: CONCRETE SRL - Via della Pieve 19 - 35121 Padova - tel.049-8754720
Versione: 12.21
Identificatore licenza: SW-55823
Intestatario della licenza: Mediapolis Engineering - S.r.l. Piazza Maria Teresa, 7 - Torino
Versione regolarmente licenziata

Schematizzazione strutturale e criteri di calcolo delle sollecitazioni

Il programma schematizza la struttura attraverso l'introduzione nell'ordine di fondazioni, poste anche a quote diverse, platee, platee nervate, plinti e travi di fondazione poggianti tutte su suolo elastico alla Winkler, di elementi verticali, pilastri e pareti in c.a. anche con fori, di orizzontamenti costituiti da solai orizzontali e inclinati (falde), e relative travi di piano e di falda; è ammessa anche l'introduzione di elementi prismatici in c.a. di interpiano con possibilità di collegamento in inclinato a solai posti a quote diverse.
I nodi strutturali possono essere connessi solo a travi, pilastri e pareti, simulando così impalcati infinitamente deformabili nel piano, oppure a elementi lastra di spessore dichiarato dall'utente simulando in tal modo impalcati a rigidezza finita. I nodi appartenenti agli impalcati orizzontali possono essere connessi rigidamente ad uno o più nodi principali giacenti nel piano dell'impalcato; generalmente un nodo principale coincide con il baricentro delle masse. Tale opzione, oltre a ridurre significativamente i tempi di elaborazione, elimina le approssimazioni numeriche connesse all'utilizzo di elementi lastra quando si richiede l'analisi a impalcati infinitamente rigidi.
Per quanto concerne i carichi, in fase di immissione dati, vengono definite, in numero a scelta dell'utente, condizioni di carico elementari le quali, in aggiunta alle azioni sismiche e variazioni termiche, vengono combinate attraverso coefficienti moltiplicativi per fornire le combinazioni richieste per le verifiche successive. L'effetto di disassamento delle forze orizzontali, indotto ad esempio dai torcenti di piano per costruzioni in zona sismica, viene simulato attraverso l'introduzione di eccentricità planari aggiuntive le quali costituiscono ulteriori condizioni elementari di carico da cumulare e combinare secondo i criteri del paragrafo precedente.
Tipologicamente sono ammessi sulle travi e sulle pareti carichi uniformemente distribuiti e carichi trapezoidali;lungo le aste e nei nodi di incrocio delle membrature sono anche definibili componenti di forze e coppie concentrate comunque dirette nello spazio. Sono previste distribuzioni di temperatura, di intensità a scelta dell'utente, agenti anche su singole porzioni di struttura.
Il calcolo delle sollecitazioni si basa sulle seguenti ipotesi e modalità:
- travi e pilastri deformabili a sforzo normale, flessione deviata, taglio deviato e momento torcente. Sono previsti coefficienti riduttivi dei momenti di inerzia a scelta dell'utente per considerare la riduzione della rigidezza flessionale e torsionale per effetto della fessurazione del conglomerato cementizio. E' previsto un moltiplicatore della rigidezza assiale dei pilastri per considerare, se pure in modo approssimato, l'accorciamento dei pilastri per sforzo normale durante la costruzione;
- le travi di fondazione su suolo alla Winkler sono risolte in forma chiusa tramite uno specifico elemento finito;
- le pareti in c.a. sono analizzate schematizzandole come elementi lastra-piastra discretizzati con passo massimo assegnato in fase di immissione dati;
- le pareti in muratura possono essere schematizzate con elementi lastra-piastra con spessore flessionale ridotto rispetto allo spessore membranale;
- i plinti su suolo alla Winkler sono modellati con la introduzione di molle verticali elastoplastiche. La traslazione orizzontale a scelta dell'utente è bloccata o gestita da molle orizzontali di modulo di reazione proporzionale al verticale;
- i pali sono modellati suddividendo l'asta in più aste immerse in terreni di stratigrafia definita dall'utente. Nei nodi di divisione tra le aste vengono inserite molle assialsimmetriche elastoplastiche precaricate dalla spinta a riposo che hanno come pressione limite minima la spinta attiva e come pressione limite massima la spinta passiva modificabile attraverso opportuni coefficienti;
- i plinti su pali sono modellati attraverso aste di di rigidezza elevata che collegano un punto della struttura in elevazione con le aste che simulano la presenza dei pali;
- le piastre sono discretizzate in un numero finito di elementi lastra-piastra con passo massimo assegnato in fase di immissione dati; nel caso di platee di fondazione i nodi sono collegati al suolo da molle aventi rigidezze alla traslazione verticale ed richiesta anche orizzontale;
- la deformabilità nel proprio piano di piani dichiarati non infinitamente rigidi e di falde (piani inclinati) può essere controllata attraverso la introduzione di elementi membranali nelle zone di solaio;
- i disassamenti tra elementi asta sono gestiti automaticamente dal programma attraverso la introduzione di collegamenti rigidi locali;
- alle estremità di elementi asta è possibile inserire svincolamenti tradizionali così come cerniere parziali (che trasmettono una quota di ciò che trasmetterebbero in condizioni di collegamento rigido) o cerniere plastiche;
- alle estremità di elementi bidimensionali è possibile inserire svincolamenti con cerniere parziali del momento flettente avente come asse il bordo dell'elemento;
- il calcolo degli effetti del sisma è condotto, a scelta dell'utente, con analisi statica lineare, con analisi dinamica modale o con analisi statica non lineare, in accordo alle varie normative adottate. Le masse, nel caso di impalcati dichiarati rigidi sono concentrate nei nodi principali di piano altrimenti vengono considerate diffuse nei nodi giacenti sull'impalcato stesso. Nel caso di analisi sismica vengono anche controllati gli spostamenti di interpiano.

Verifiche delle membrature in cemento armato

Nel caso più generale le verifiche degli elementi in c.a. possono essere condotte col metodo delle tensioni ammissibili (D.M. 14-1-92) o agli stati limite in accordo al D.M. 09-01-96, al D.M. 14-01-08, al D.M. 17-01-18 o secondo Eurocodice 2.
Le travi sono progettate e verificate a flessione retta e taglio; a richiesta è possibile la verifica per le sei componenti della sollecitazione.
I pilastri ed i pali sono verificati per le sei componenti della sollecitazione.
Per gli elementi bidimensionali giacenti in un medesimo piano è disponibile la modalità di verifica che consente di analizzare lo stato di verifica nei singoli nodi degli elementi. Nelle verifiche (a presso flessione e punzonamento) è ammessa la introduzione dei momenti di calcolo modificati in base alle direttive

dell'EC2, Appendice A.2.8.
I plinti superficiali sono verificati assumendo lo schema statico di mensole con incastri posti a filo o in asse pilastro.
Gli ancoraggi delle armature delle membrature in c.a. sono calcolati sulla base della effettiva tensione normale che ogni barra assume nella sezione di verifica distinguendo le zone di ancoraggio in zone di buona o cattiva aderenza. In particolare il programma valuta la tensione normale che ciascuna barra può assumere in una sezione sviluppando l'aderenza sulla superficie cilindrica posta a sinistra o a destra della sezione considerata; se in una sezione una barra assume per effetto dell'aderenza una tensione normale minore di quella ammissibile, il suo contributo all'area complessiva viene ridotto dal programma nel rapporto tra la tensione normale che la barra può assumere per effetto dell'aderenza e quella ammissibile. Le verifiche sono effettuate a partire dalle aree di acciaio equivalenti così calcolate che vengono evidenziate in relazione.
A seguito di analisi inelastiche eseguite in accordo a OPCM 3431 o D.M. 14-01-08, al D.M. 17-01-18 vengono condotte verifiche di resistenza per i meccanismi fragili (nodi e taglio) e verifiche di deformabilità per i meccanismi duttili.

Verifiche delle membrature in acciaio

Le verifiche delle membrature in acciaio (solo per utenti Sismicad acciaio) possono essere condotte secondo CNR 10011 (stato limite o tensioni ammissibili), CNR 10022, D.M. 14-01-08, al D.M. 17-01-18 o Eurocodice 3.
Sono previste verifiche di resistenza e di instabilità.

4 Dati generali DB

4.1 Materiali

4.1.1 Materiali c.a.

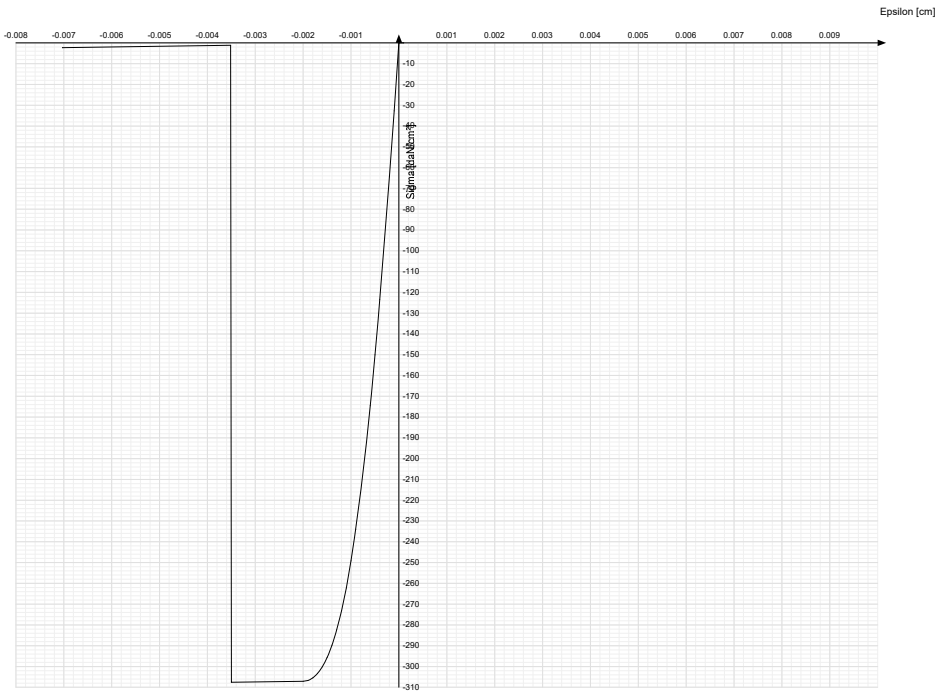
***Descrizione**: descrizione o nome assegnato all'elemento.*
***Rck**: resistenza caratteristica cubica; valore medio nel caso di edificio esistente. [daN/cm²]*
***E**: modulo di elasticità longitudinale del materiale per edifici o materiali nuovi. [daN/cm²]*
***G**: modulo di elasticità tangenziale del materiale, viene impiegato nella modellazione di aste e di elementi guscio a comportamento ortotropo. [daN/cm²]*
***v**: coefficiente di Poisson. Il valore è adimensionale.*
***γ**: peso specifico del materiale. [daN/cm³]*
***α**: coefficiente longitudinale di dilatazione termica. [°C-1]*

Descrizione	Rck	E	G	v	γ	α
C30/37	370	330194	Default (150088.34)	0.1	0.0025	0.00001

4.1.2 Curve di materiali c.a.

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Curva**: curva caratteristica.*
***Reaz.traz.**: reagisce a trazione.*
***Comp.frag.**: ha comportamento fragile.*
***E.compr.**: modulo di elasticità a compressione. [daN/cm²]*
***Incr.compr.**: incrudimento di compressione. Il valore è adimensionale.*
***EpsEc**: ε elastico a compressione. Il valore è adimensionale.*
***EpsUc**: ε ultimo a compressione. Il valore è adimensionale.*
***E.traz.**: modulo di elasticità a trazione. [daN/cm²]*
***Incr.traz.**: incrudimento di trazione. Il valore è adimensionale.*
***EpsEt**: ε elastico a trazione. Il valore è adimensionale.*
***EpsUt**: ε ultimo a trazione. Il valore è adimensionale.*

Descrizione	Curva									
	Reaz.traz.	Comp.frag.	E.compr.	Incr.compr.	EpsEc	EpsUc	E.traz.	Incr.traz.	EpsEt	EpsUt
C30/37	No	Si	330194.35	0.001	-0.002	-0.0035	330194.35	0.001	0.0000624	0.0000686



4.1.3 Armature

***Descrizione**: descrizione o nome assegnato all'elemento.*
***fyk**: resistenza caratteristica. [daN/cm²]*
***σamm.**: tensione ammissibile. [daN/cm²]*
***Tipo**: tipo di barra.*
***E**: modulo di elasticità longitudinale del materiale per edifici o materiali nuovi. [daN/cm²]*
***γ**: peso specifico del materiale. [daN/cm³]*
***v**: coefficiente di Poisson. Il valore è adimensionale.*

***α**: coefficiente longitudinale di dilatazione termica. [°C-1]*
***Livello di conoscenza**: indica se il materiale è nuovo o esistente, e in tal caso il livello di conoscenza secondo Circ.617 02/02/09 §C8A. Informazione impiegata solo in analisi D.M. 14-01-08 (N.T.C.) eD.M. 17-01-18 (N.T.C.).*

Descrizione	fyk	σamm.	Tipo	E	γ	v	α	Livello di conoscenza
B450C	4500	2550	Aderenza migliorata	2060000	0.00785	0.3	0.000012	Nuovo

4.1.4 Acciai

4.1.4.1 Proprietà acciai base

***Descrizione**: descrizione o nome assegnato all'elemento.*
***E**: modulo di elasticità longitudinale del materiale per edifici o materiali nuovi. [daN/cm²]*
***G**: modulo di elasticità tangenziale del materiale, viene impiegato nella modellazione di aste e di elementi guscio a comportamento ortotropo. [daN/cm²]*
***v**: coefficiente di Poisson. Il valore è adimensionale.*
***γ**: peso specifico del materiale. [daN/cm³]*
***α**: coefficiente longitudinale di dilatazione termica. [°C-1]*

Descrizione	E	G	v	γ	α
S235	2100000	Default (807692.31)	0.3	0.00785	0.000012

4.1.4.2 Proprietà acciai CNR 10011

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Tipo**: descrizione per norma.*
***fy(s<=40 mm)**: resistenza di snervamento fy per spessori <=40 mm. [daN/cm²]*
***fy(s>40 mm)**: resistenza di snervamento fy per spessori >40 mm. [daN/cm²]*
***fu(s<=40 mm)**: resistenza di rottura per trazione fu per spessori <=40 mm. [daN/cm²]*
***fu(s>40 mm)**: resistenza di rottura per trazione fu per spessori >40 mm. [daN/cm²]*
***Prosp. Omega**: prospetto per coefficienti Omega.*
***σ amm.(s<=40 mm)**: σ ammissibile per spessori <=40 mm. [daN/cm²]*
***σ amm.(s>40 mm)**: σ ammissibile per spessori >40 mm. [daN/cm²]*
***fd(s<=40 mm)**: resistenza di progetto fd per spessori <=40 mm. [daN/cm²]*
***fd(s>40 mm)**: resistenza di progetto fd per spessori >40 mm. [daN/cm²]*

Descrizione	Tipo	fy(s<=40 mm)	fy(s>40 mm)	fu(s<=40 mm)	fu(s>40 mm)	Prosp. Omega	σ amm.(s<=40 mm)	σ amm.(s>40 mm)	fd(s<=40 mm)	fd(s>40 mm)
S235	FE360	2350	2150	3600	3400	II	1600	1400	2350	2100

4.1.4.3 Proprietà acciai CNR 10022

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Tipo**: descrizione per norma.*
***fy**: resistenza di snervamento fy. [daN/cm²]*
***fu**: resistenza di rottura fu. [daN/cm²]*
***fd**: resistenza di progetto fd. [daN/cm²]*
***Prospetto omega sag.fr.(s<3mm)**: prospetto coeff. omega per spessori < 3 mm.*
***Prospetto omega sag.fr.(s>=3mm)**: prospetto coeff. omega per spessori >= 3 mm.*
***Prospetti σ crit. Eulero**: prospetti σ critiche euleriane.*

Descrizione	Tipo	fy	fu	fd	Prospetto omega sag.fr.(s<3mm)	Prospetto omega sag.fr.(s>=3mm)	Prospetti σ crit. Eulero
S235	FE360	2350	3600	2350	b	c	I

4.1.4.4 Proprietà acciai EC3/DM08/DM18

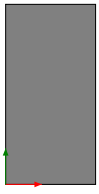
***Descrizione**: descrizione o nome assegnato all'elemento.*
***Tipo**: descrizione per norma.*
***fy(s<=40 mm)**: resistenza di snervamento fy per spessori <=40 mm. [daN/cm²]*
***fy(s>40 mm)**: resistenza di snervamento fy per spessori >40 mm. [daN/cm²]*
***fu(s<=40 mm)**: resistenza di rottura per trazione fu per spessori <=40 mm. [daN/cm²]*
***fu(s>40 mm)**: resistenza di rottura per trazione fu per spessori >40 mm. [daN/cm²]*

Descrizione	Tipo	fy(s<=40 mm)	fy(s>40 mm)	fu(s<=40 mm)	fu(s>40 mm)
S235	S235	2350	2150	3600	3600

4.2 Sezioni

4.2.1 Sezioni C.A.

4.2.1.1 Sezioni rettangolari C.A.



***Descrizione**: descrizione o nome assegnato all'elemento.*
***Area Tx FEM**: area di taglio in direzione X per l'analisi FEM. [cm²]*
***Area Ty FEM**: area di taglio in direzione Y per l'analisi FEM. [cm²]*
***JxFEM**: momento di inerzia attorno all'asse X per l'analisi FEM. [cm4]*

***JyFEM**: momento di inerzia attorno all'asse Y per l'analisi FEM. [cm4]*
***JtFEM**: momento d'inerzia torsionale corretto con il fattore di forma per l'analisi FEM. [cm4]*
***H**: altezza della sezione. [cm]*
***B**: larghezza della sezione. [cm]*
***c.s.**: copriferro superiore della sezione. [cm]*
***c.i.**: copriferro inferiore della sezione. [cm]*
***c.l.**: copriferro laterale della sezione. [cm]*

Descrizione	Area Tx FEM	Area Ty FEM	JxFEM	JyFEM	JtFEM	H	B	c.s.	c.i.	c.l.
R 30x60	1500	1500	540000	135000	369900	60	30	3.5	3.5	3.5
R 30x50	1250	1250	312500	112500	279900	50	30	3.5	3.5	3.5
R 30x70	1750	1750	857500	157500	459900	70	30	3.5	3.5	3.5
R 30x40	1000	1000	160000	90000	189900	40	30	3.5	3.5	3.5
R 130x20	2166.67	2166.67	86666.67	3.662E06	313066.67	20	130	3.5	3.5	3.5
R 30x30_1	750	750	67500	67500	99900	30	30	3.5	3.5	3.5
R 50x50	2083.33	2083.33	520833.33	520833.33	770833.33	50	50	3.5	3.5	3.5

4.2.1.2 Caratteristiche inerziali sezioni C.A.

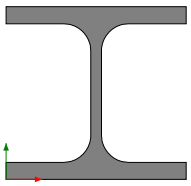
***Descrizione**: descrizione o nome assegnato all'elemento.*
***Xg**: ascissa del baricentro definita rispetto al sistema geometrico in cui sono definiti i vertici del poligono. [cm]*
***Yg**: ordinata del baricentro definita rispetto al sistema geometrico in cui sono definiti i vertici del poligono. [cm]*
***Area**: area inerziale nel sistema geometrico centrato nel baricentro. [cm²]*
***Jx**: momento d'inerzia attorno all'asse orizzontale baricentrico di definizione della sezione. [cm4]*
***Jy**: momento d'inerzia attorno all'asse verticale baricentrico di definizione della sezione. [cm4]*
***Jxy**: momento centrifugo rispetto al sistema di riferimento baricentrico di definizione della sezione. [cm4]*
***Jm**: momento d'inerzia attorno all'asse baricentrico principale M. [cm4]*
***Jn**: momento d'inerzia attorno all'asse baricentrico principale N. [cm4]*
***α**: angolo tra gli assi del sistema di riferimento geometrico di definizione e quelli del sistema di riferimento principale. [deg]*
***Area Tx FEM**: area di taglio in direzione X per l'analisi FEM. [cm²]*
***Area Ty FEM**: area di taglio in direzione Y per l'analisi FEM. [cm²]*
***JxFEM**: momento di inerzia attorno all'asse X per l'analisi FEM. [cm4]*
***JyFEM**: momento di inerzia attorno all'asse Y per l'analisi FEM. [cm4]*
***JtFEM**: momento d'inerzia torsionale corretto con il fattore di forma per l'analisi FEM. [cm4]*

Descrizione	Xg	Yg	Area	Jx	Jy	Jxy	Jm	Jn	α	Area Tx FEM	Area Ty FEM	JxFEM	JyFEM	JtFEM
R 30x60	15	30	1800	540000	135000	0	540000	135000	0	1500	1500	540000	135000	369900
R 30x50	15	25	1500	312500	112500	0	312500	112500	0	1250	1250	312500	112500	279900
R 30x70	15	35	2100	857500	157500	0	857500	157500	0	1750	1750	857500	157500	459900
R 30x40	15	20	1200	160000	90000	0	160000	90000	0	1000	1000	160000	90000	189900
R 130x20	65	10	2600	8.7E4	3.7E6	0	8.7E4	3.7E6	0	2166.67	2166.67	86666.67	3.66E06	3.13E05
R 30x30_1	15	15	900	67500	67500	0	67500	67500	0	750	750	67500	67500	99900
R 50x50	25	25	2500	5.2E5	5.2E5	0	5.2E5	5.2E5	0	2083.33	2083.33	5.21E05	5.21E05	7.71E05

4.2.2 Sezioni in acciaio

4.2.2.1 Profili singoli in acciaio

4.2.2.1.1 HEA - HEM - HEB - IPE



***Descrizione**: descrizione o nome assegnato all'elemento.*
***Sup.**: superficie bagnata per unità di lunghezza. [mm]*
***Area Tx FEM**: area di taglio in direzione X per l'analisi FEM. [mm²]*
***Area Ty FEM**: area di taglio in direzione Y per l'analisi FEM. [mm²]*
***JxFEM**: momento di inerzia attorno all'asse X per l'analisi FEM. [mm4]*
***JyFEM**: momento di inerzia attorno all'asse Y per l'analisi FEM. [mm4]*
***JtFEM**: momento d'inerzia torsionale corretto con il fattore di forma per l'analisi FEM. [mm4]*
***b**: larghezza dell'ala. [mm]*
***h**: altezza del profilo. [mm]*
***s**: spessore dell'anima. [mm]*
***t**: spessore delle ali. [mm]*
***r**: raggio del raccordo ala-anima. [mm]*
***f**: truschino. [mm]*

Descrizione	Sup.	Area Tx FEM	Area Ty FEM	JxFEM	JyFEM	JtFEM	b	h	s	t	r	f
HEA100	1024.1	1583	519	4041820	1594457	62702	100	96	6	9.5	15	99

4.2.2.2 Caratteristiche inerziali sezioni in acciaio

4.2.2.2.1 Caratteristiche inerziali principali sezioni in acciaio

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Xg**: coordinata X del baricentro. [cm]*
***Yg**: coordinata Y del baricentro. [cm]*
***Area**: area inerziale nel sistema geometrico centrato nel baricentro. [cm²]*
***Jx**: momento d'inerzia attorno all'asse orizzontale baricentrico di definizione della sezione. [cm4]*
***Jy**: momento d'inerzia attorno all'asse verticale baricentrico di definizione della sezione. [cm4]*
***Jxy**: momento centrifugo rispetto al sistema di riferimento baricentrico di definizione della sezione. [cm4]*
***Jm**: momento d'inerzia attorno all'asse baricentrico principale M. [cm4]*

***Jn**: momento d'inerzia attorno all'asse baricentrico principale N. [cm4]*
***α X su M**: angolo tra gli assi del sistema di riferimento geometrico di definizione e quelli del sistema di riferimento principale. [deg]*
***Jt**: momento d'inerzia torsionale corretto con il fattore di forma. [cm4]*

Descrizione	Xg	Yg	Area	Jx	Jy	Jxy	Jm	Jn	α X su M	Jt
HEA100	5	4.8	25.6	404.18	159.45	0	404.18	159.45	0	6.27

4.2.2.2.2 Caratteristiche inerziali momenti sezioni in acciaio

***Descrizione**: descrizione o nome assegnato all'elemento.*
***ix**: raggio di inerzia relativo all'asse x. [cm]*
***iy**: raggio di inerzia relativo all'asse y. [cm]*
***im**: raggio di inerzia relativo all'asse principale m. [cm]*
***in**: raggio di inerzia relativo all'asse principale n. [cm]*
***Sx**: momento statico relativo all'asse x. [cm³]*
***Sy**: momento statico relativo all'asse y. [cm³]*
***Wx**: modulo di resistenza elastico minimo relativo all'asse x. [cm³]*
***Wy**: modulo di resistenza elastico minimo relativo all'asse y. [cm³]*
***Wm**: modulo di resistenza elastico minimo relativo all'asse principale m. [cm³]*
***Wn**: modulo di resistenza elastico minimo relativo all'asse principale n. [cm³]*
***Wplx**: modulo di resistenza plastico relativo all'asse x. [cm³]*
***Wply**: modulo di resistenza plastico relativo all'asse y. [cm³]*

Descrizione	ix	iy	im	in	Sx	Sy	Wx	Wy	Wm	Wn	Wplx	Wply
HEA100	3.97	2.5	3.97	2.5	49	24.73	84.2	31.89	84.2	31.89	98.01	49.46

4.2.2.2.3 Caratteristiche inerziali taglio sezioni in acciaio

***Descrizione**: descrizione o nome assegnato all'elemento.*
***Atx**: area a taglio lungo x. [cm²]*
***Aty**: area a taglio lungo y. [cm²]*

Descrizione	Atx	Aty
HEA100	19	5.76

5 Dati di definizione

5.1 Preferenze commessa

5.1.1 Preferenze di normativa

Analisi

Normativa	D.M. 17-01-18 (N.T.C.)	
Tipo di costruzione	2 - Costruzioni con livelli di prestazioni ordinari	
Vn	50	
Classe d'uso	II	
Vr	50	
Tipo di analisi	Lineare dinamica	
Considera sisma Z	Solo se Ag >= 0.15 g, conformemente a §3.2.3.1	
Località	Torino; Latitudine ED50 45,0781° (45° 4' 41''); Longitudine ED50 7,6761° (7° 40' 34''); Altitudine s.l.m. 240 m.	
Categoria del suolo	C - Depositi di terreni a grana grossa mediamente addensati o terreni a grana fina mediamente consistenti	
Categoria topografica	T1 - Superficie pianeggiante, pendii e rilievi isolati con inclinazione media i<=15°	
Ss orizzontale SLD	1.5	
Tb orizzontale SLD	0.116	[s]
Tc orizzontale SLD	0.348	[s]
Td orizzontale SLD	1.716	[s]
Ss orizzontale SLV	1.5	
Tb orizzontale SLV	0.146	[s]
Tc orizzontale SLV	0.437	[s]
Td orizzontale SLV	1.823	[s]
St	1	
PVr SLD (%)	63	
Tr SLD	50	
Ag/g SLD	0.029	
Fo SLD	2.589	
Tc* SLD	0.193	[s]
PVr SLV (%)	10	
Tr SLV	475	
Ag/g SLV	0.0557	
Fo SLV	2.759	
Tc* SLV	0.27	[s]
Smorzamento viscoso (%)	5	
Classe di duttilità	Non dissipativa	
Rotazione del sisma	0	[deg]
Quota dello '0' sismico	0	[cm]
Regolarità in pianta	No	
Regolarità in elevazione	No	
Edificio C.A.	Si	
Tipologia C.A.	Strutture a telaio q0=3.0*αu/α1	
αu/α1 C.A.	Strutture a telaio di un piano αu/α1=(1.0+1.1)/2	
Edificio esistente	No	
Altezza costruzione	2230	[cm]
T1,x	1.11997	[s]
T1,y	1.35836	[s]
λ SLD,x	1	
λ SLD,y	1	
λ SLV,x	1	
λ SLV,y	1	
Limite spostamenti interpiano SLD	0.005	
Fattore di comportamento per sisma SLD X	1.5	
Fattore di comportamento per sisma SLD Y	1.5	
Fattore di comportamento per sisma SLV X	1.5	
Fattore di comportamento per sisma SLV Y	1.5	
Coefficiente di sicurezza per carico limite (fondazioni superficiali)	2.3	
Coefficiente di sicurezza per scorrimento (fondazioni superficiali)	1.1	
Coefficiente di sicurezza portanza verticale pali infissi, punta	1.15	
Coefficiente di sicurezza portanza verticale pali infissi, laterale compressione	1.15	
Coefficiente di sicurezza portanza verticale pali infissi, laterale trazione	1.25	
Coefficiente di sicurezza portanza verticale pali trivellati, punta	1.35	
Coefficiente di sicurezza portanza verticale pali trivellati, laterale compressione	1.15	
Coefficiente di sicurezza portanza verticale pali trivellati, laterale trazione	1.25	
Coefficiente di sicurezza portanza verticale micropali, punta	1.35	
Coefficiente di sicurezza portanza verticale micropali, laterale compressione	1.15	
Coefficiente di sicurezza portanza verticale micropali, laterale trazione	1.25	
Coefficiente di sicurezza portanza trasversale pali	1.3	
Fattore di correlazione resistenza caratteristica dei pali in base alle verticali indagate	1.7	
Coefficiente di sicurezza per ribaltamento (plinti superficiali)	1.15	
Esegui verifiche in combinazioni SLD secondo Circolare 7	Si	

Verifiche C.A.

Normativa	D.M. 17-01-18 (N.T.C.)	
γs (fattore di sicurezza parziale per l'acciaio)	1.15	
γc (fattore di sicurezza parziale per il calcestruzzo)	1.5	
Limite σc/fck in combinazione rara	0.6	
Limite σc/fck in combinazione quasi permanente	0.45	
Limite σf/fyk in combinazione rara	0.8	
Coefficiente di riduzione della τ per cattiva aderenza	0.7	
Dimensione limite fessure w1 §4.1.2.2.4	0.02	[cm]
Dimensione limite fessure w2 §4.1.2.2.4	0.03	[cm]
Dimensione limite fessure w3 §4.1.2.2.4	0.04	[cm]
Fattori parziali di sicurezza unitari per meccanismi duttili di strutture esistenti con		

fattore q	Si
Copriferro secondo EC2	No
αcc elementi nuovi nelle combinazioni sismiche	0.85
αcc elementi esistenti	0.85

Verifiche legno

Normativa	D.M. 17-01-18 (N.T.C.)
γM combinazioni fondamentali massiccio	1.5
γM combinazioni fondamentali lamellare	1.45
γM combinazioni fondamentali unioni	1.5
γM combinazioni eccezionali	1
γM combinazioni esercizio	1
Kmod durata istantaneo, classe 1	1.1
Kmod durata istantaneo, classe 2	1.1
Kmod durata istantaneo, classe 3	0.9
Kmod durata breve, classe 1	0.9
Kmod durata breve, classe 2	0.9
Kmod durata breve, classe 3	0.7
Kmod durata media, classe 1	0.8
Kmod durata media, classe 2	0.8
Kmod durata media, classe 3	0.65
Kmod durata lunga, classe 1	0.7
Kmod durata lunga, classe 2	0.7
Kmod durata lunga, classe 3	0.55
Kmod durata permanente, classe 1	0.6
Kmod durata permanente, classe 2	0.6
Kmod durata permanente, classe 3	0.5
Kdef classe 1	0.6
Kdef classe 2	0.8
Kdef classe 3	2

Verifiche acciaio

Normativa	D.M. 17-01-18 (N.T.C.)
γm0	1.05
γm1	1.05
γm2	1.25
Coefficiente riduttivo per effetto vettoriale	0.7
Calcolo coefficienti C1, C2, C3 per Mcr	automatico
Coefficienti α, β per flessione deviata	unitari
Verifica semplificata conservativa	si
L/e0 iniziale per profili accoppiati compressi	500
Metodo semplificato formula (4.2.82)	si
Escludi § 6.2.6.7 EN 1993-1-8:2005 + AC:2009 in 7.5.4.3-7.5.4.5	si
Applica Nota 1 del prospetto 6.2	si
Riduzione fy per tubi tondi di classe 4	no
Limite spostamento relativo interpiano e monopiano colonne	0.00333
Limite spostamento relativo complessivo multipiano colonne	0.002
Considera taglio resistente estremità sagomati	no
Fattori parziali di sicurezza unitari per meccanismi duttili di strutture esistenti con fattore q	si

Verifiche alluminio

Normativa	D.M. 17-01-18 (N.T.C.)
γm1	1.15
γm2	1.25

Verifiche pannelli gessofibra

Normativa	EN 1995-1-1:2004 +AC:2006 + A1:2008 + A2:2014; ETA-03/0050; ETA-07/0086; ETA-08/0147
a	7
b	-0.7
c	0.9
Kmod durata istantaneo, classe 1	1.1
Kmod durata istantaneo, classe 2	0.8
Kmod durata breve, classe 1	0.8
Kmod durata breve, classe 2	0.6
Kmod durata media, classe 1	0.6
Kmod durata media, classe 2	0.45
Kmod durata lunga, classe 1	0.4
Kmod durata lunga, classe 2	0.3
Kmod durata permanente, classe 1	0.2
Kmod durata permanente, classe 2	0.15

5.1.2 Eccentricità accidentali

***Quota**: Livello o falda a cui si riferisce l'eccentricità.*
***Eccentricità X**: Eccentricità X per sisma Y attribuita alla quota. [cm]*
***Eccentricità Y**: Eccentricità Y per sisma X attribuita alla quota. [cm]*

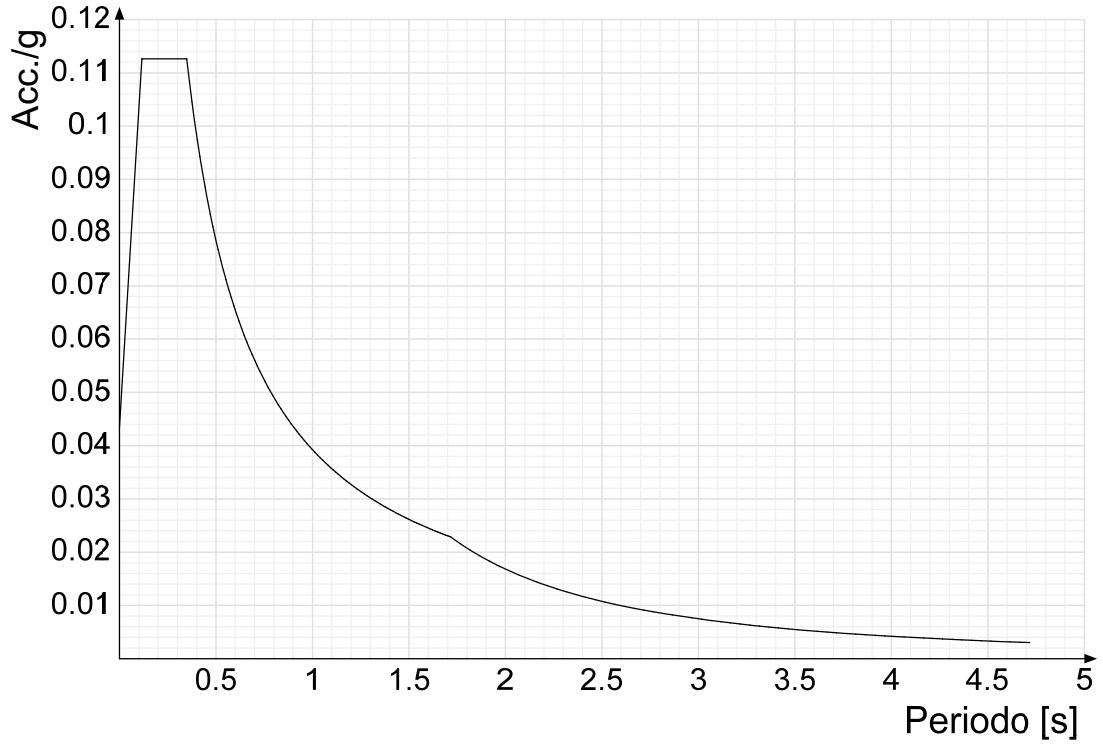
Quota	Eccentricità X	Eccentricità Y
fondo corsa	250	60
Fondazione	250	60
p.lo 1	250	60
Piano 1	250	60
p.lo 2	250	60
Piano 2	250	60
p.lo 3	250	60
Piano 3	250	60
p.lo 4	250	60
Piano 4	250	60
p.lo 5	250	60
Piano 5	250	60
p.lo 6	250	60
Piano 6	250	60
p.lo 7	250	60
Piano 7	250	60
p.lo 8	250	60

Quota	Eccentricità X	Eccentricità Y
Piano 8	250	60
Parapetto 8	250	60
Piano 9	250	60

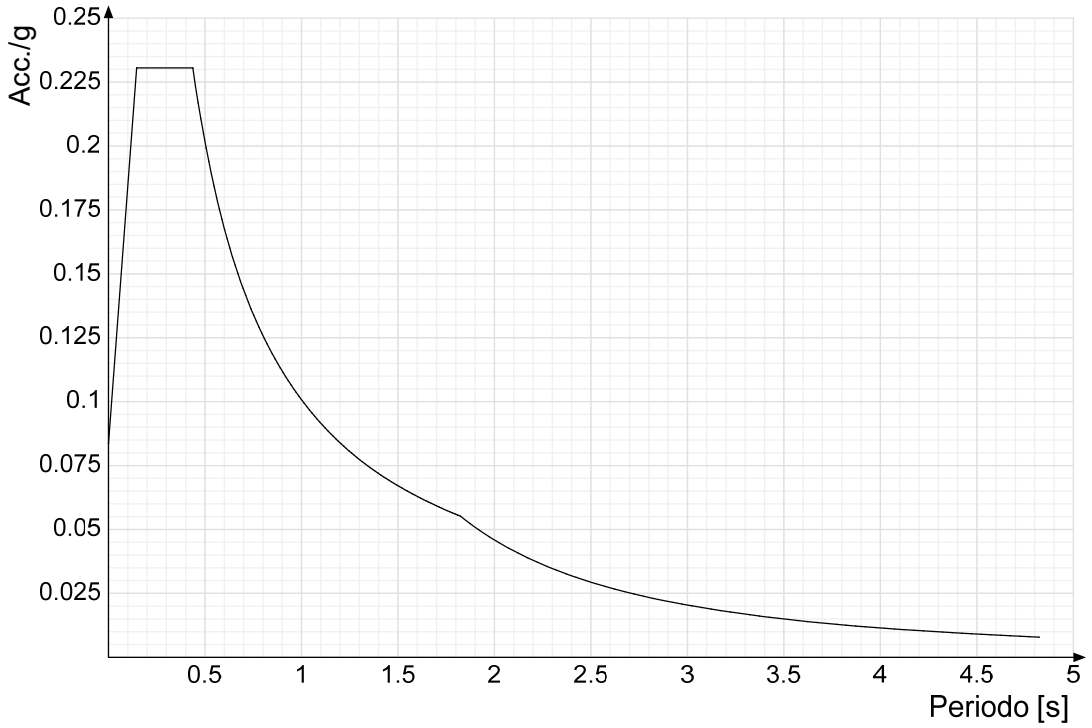
5.1.3 Spettri

***Acc./g**: Accelerazione spettrale normalizzata ottenuta dividendo l'accelerazione spettrale per l'accelerazione di gravità.*
***Periodo**: Periodo di vibrazione.*

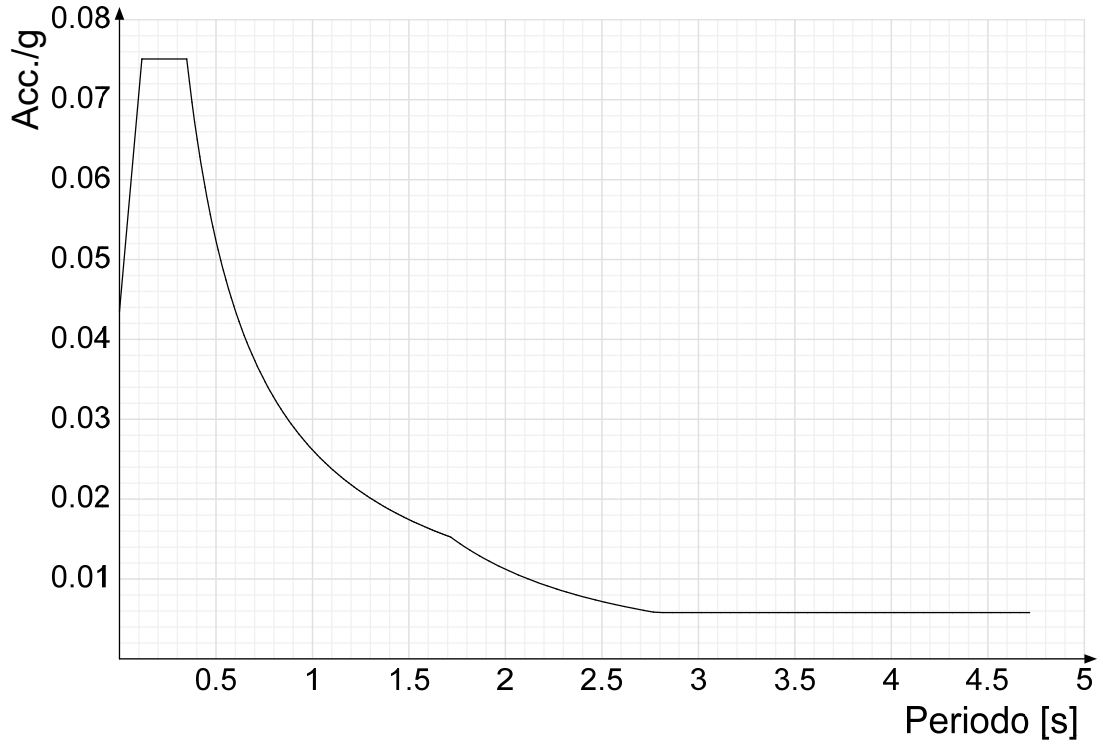
Spettro di risposta elastico in accelerazione delle componenti orizzontali SLD § 3.2.3.2.1 [3.2.2]



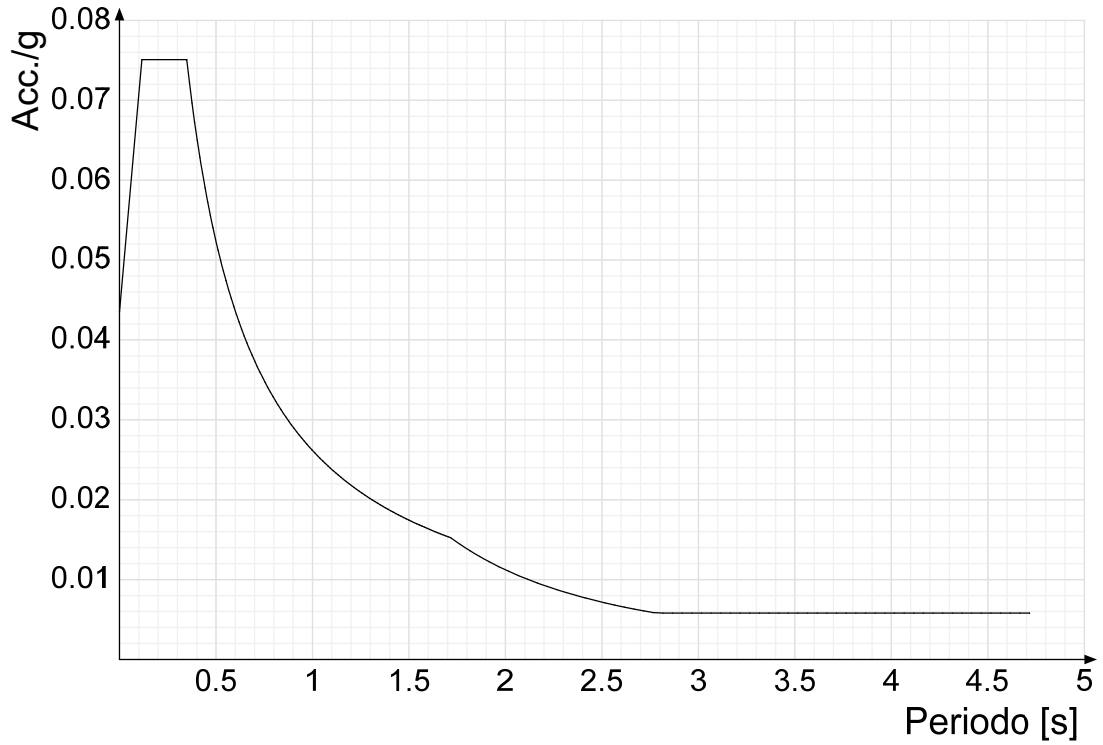
Spettro di risposta elastico in accelerazione delle componenti orizzontali SLV § 3.2.3.2.1 [3.2.2]



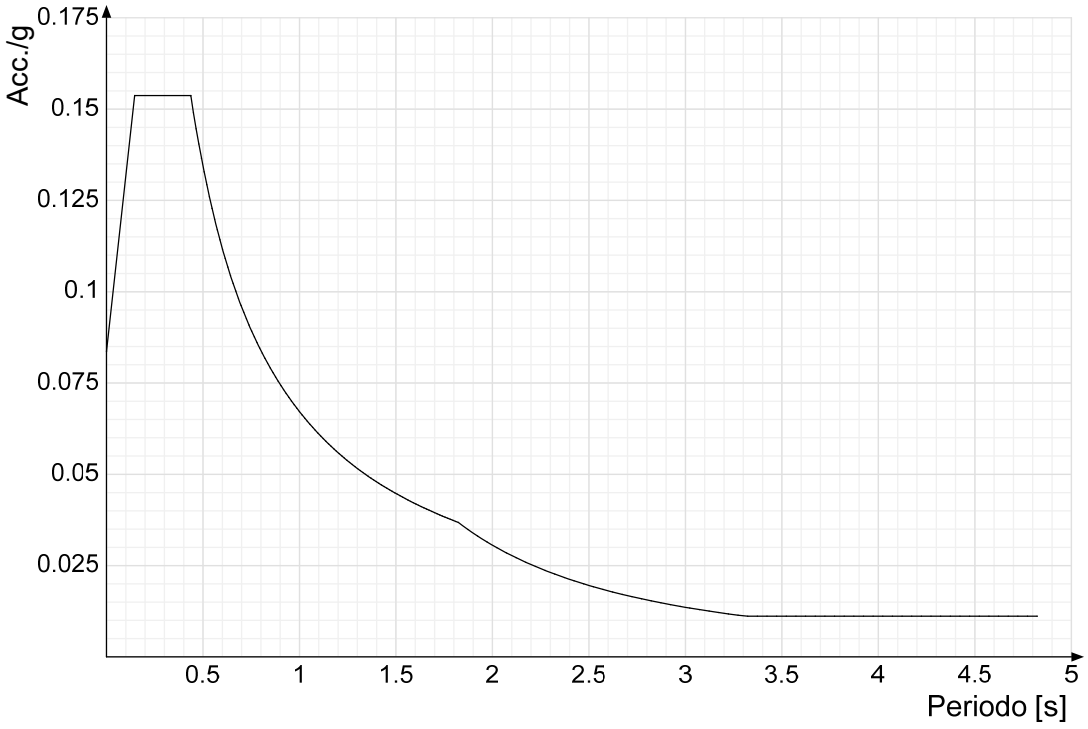
Spettro di risposta di progetto in accelerazione della componente X SLD § 3.2.3.5



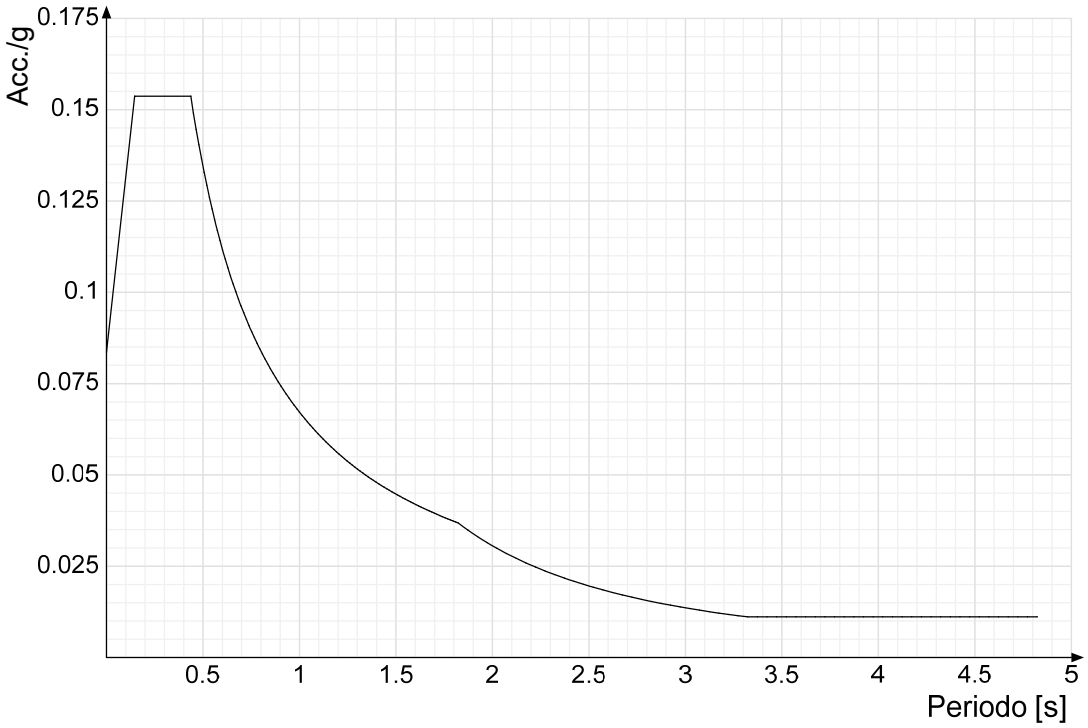
Spettro di risposta di progetto in accelerazione della componente Y SLD § 3.2.3.5



Spettro di risposta di progetto in accelerazione della componente X SLV § 3.2.3.5

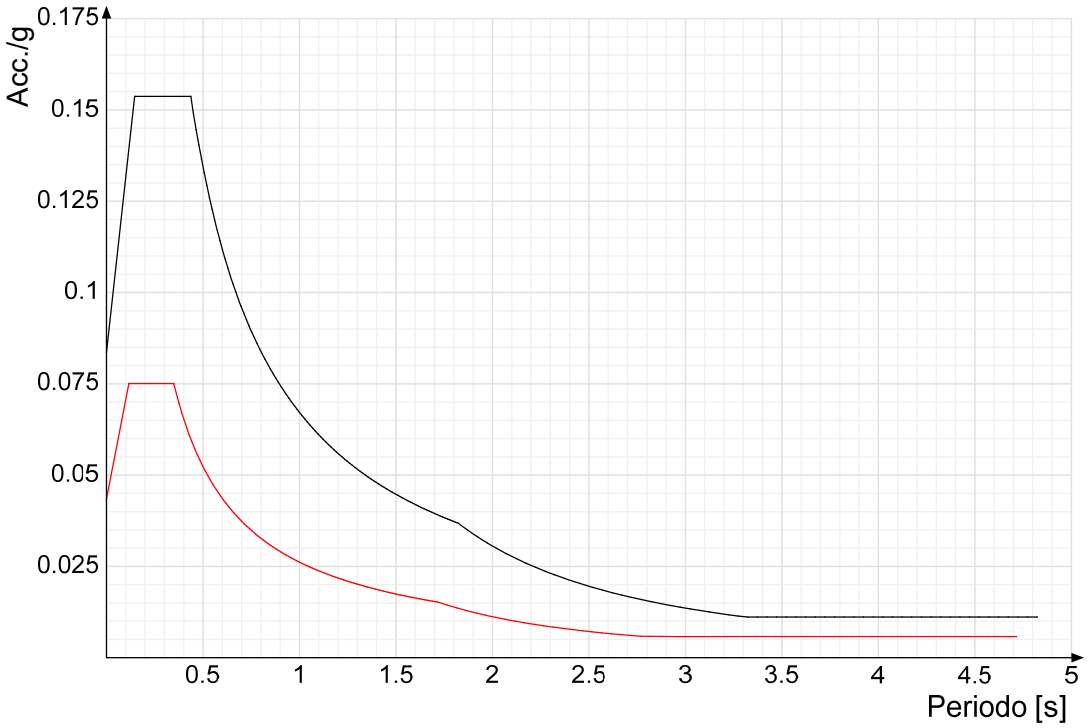


Spettro di risposta di progetto in accelerazione della componente Y SLV § 3.2.3.5

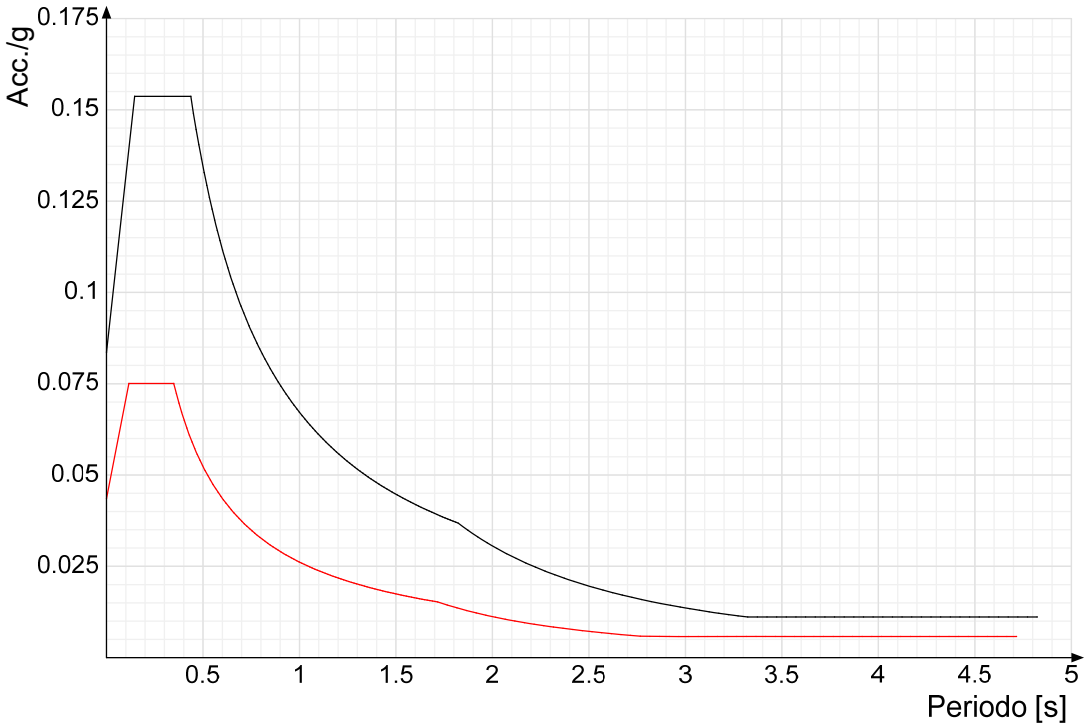


Confronti spettri SLV-SLD

Vengono confrontati lo spettro Spettro di risposta di progetto in accelerazione della componente X SLD § 3.2.3.5 (di colore rosso) e Spettro di risposta di progetto in accelerazione della componente X SLV § 3.2.3.5 (di colore nero).



Vengono confrontati lo spettro Spettro di risposta di progetto in accelerazione della componente Y SLD § 3.2.3.5 (di colore rosso) e Spettro di risposta di progetto in accelerazione della componente Y SLV § 3.2.3.5 (di colore nero).



5.1.4 Preferenze FEM

Dimensione massima ottimale mesh pareti (default)	50	[cm]
Dimensione massima ottimale mesh piastre (default)	50	[cm]
Dimensione massima ottimale suddivisioni archi finestre/porte (default)	50	[cm]
Tipo di mesh dei gusci (default)	Quadrilateri o triangoli	
Tipo di mesh imposta ai gusci	Specifico dell'elemento	
Metodo P-Delta	non utilizzato	
Analisi buckling	non utilizzata	
Rapporto spessore flessionale/membranale gusci muratura verticali	0.2	
Spessori membranale e flessionale pareti XLAM da sole tavole verticali	No	
Moltiplicatore rigidezza connettori pannelli pareti legno a diaframma	1	
Tolleranza di parallelismo	4.99	[deg]
Tolleranza di unicità punti	10	[cm]
Tolleranza generazione nodi di aste	1	[cm]
Tolleranza di parallelismo in suddivisione aste	4.99	[deg]
Tolleranza generazione nodi di gusci	4	[cm]
Tolleranza eccentricità carichi concentrati	100	[cm]

Considera deformabilità a taglio negli elementi guscio	No
Modello elastico pareti in muratura	Gusci
Concentra masse pareti nei vertici	No
Segno risultati analisi spettrale	Analisi statica
Metodo di risoluzione della matrice	Intel MKL PARDISO
Scrivi commenti nel file di input	No
Scrivi file di output in formato testo	No
Solidi colle e corpi ruvidi (default)	Solidi reali
Moltiplicatore rigidezza molla torsionale applicata ad aste di fondazione	1
Modello trave su suolo alla Winkler nel caso di modellazione lineare	Equilibrio elastico
Numero di modi di vibrare da ricercare	20
Algoritmo di analisi modale	Proiezione nel sottospazio totale
Algoritmo di combinazione modale	CQC

5.1.5 Moltiplicatori inerziali

***Tipologia**: tipo di entità a cui si riferiscono i moltiplicatori inerziali.*
***J2**: moltiplicatore inerziale di J2. Il valore è adimensionale.*
***J3**: moltiplicatore inerziale di J3. Il valore è adimensionale.*
***Jt**: moltiplicatore inerziale di Jt. Il valore è adimensionale.*
***A**: moltiplicatore dell'area della sezione. Il valore è adimensionale.*
***A2**: moltiplicatore dell'area a taglio in direzione 2. Il valore è adimensionale.*
***A3**: moltiplicatore dell'area a taglio in direzione 3. Il valore è adimensionale.*
***Conci rigidi**: fattore di riduzione dei tronchi rigidi. Il valore è adimensionale.*

Tipologia	J2	J3	Jt	A	A2	A3	Conci rigidi
Trave C.A.	1	1	0.01	1	1	1	0.5
Pilastro C.A.	1	1	0.01	1	1	1	0.5
Trave di fondazione	1	1	0.01	1	1	1	0.5
Palo	1	1	0.01	1	1	1	0
Trave in legno	1	1	1	1	1	1	1
Colonna in legno	1	1	1	1	1	1	1
Trave in acciaio	1	1	1	1	1	1	1
Colonna in acciaio	1	1	1	1	1	1	1
Trave di reticolare in acciaio	1	1	1	1	1	1	1
Maschio in muratura	0	1	0	1	1	1	1
Pilastro in muratura	1	1	0.01	1	1	1	0.5
Trave di accoppiamento in muratura	0	1	0	1	1	1	1
Trave di scala C.A. nervata	1	1	1	1	1	1	0.5
Trave tralicciata	1	1	0.01	1	1	1	0.5

5.1.6 Preferenze di analisi non lineare FEM

Metodo iterativo	Secante
Tolleranza iterazione	0.00001
Numero massimo iterazioni	50

5.1.7 Preferenze di analisi carichi superficiali

Detrazione peso proprio solai nelle zone di sovrapposizione	non applicata	
Metodo di ripartizione	a zone d'influenza	
Percentuale carico calcolato a trave continua	0	
Esegui smoothing diagrammi di carico	applicata	
Tolleranza smoothing altezza trapezi	0.001	[daN/cm]
Tolleranza smoothing altezza media trapezi	0.001	[daN/cm]

5.2 Azioni e carichi

5.2.1 Condizioni elementari di carico

***Descrizione**: nome assegnato alla condizione elementare.*
***Nome breve**: nome breve assegnato alla condizione elementare.*
***Durata**: descrive la durata della condizione (necessario per strutture in legno).*
***ψ0**: coefficiente moltiplicatore ψ0. Il valore è adimensionale.*
***ψ1**: coefficiente moltiplicatore ψ1. Il valore è adimensionale.*
***ψ2**: coefficiente moltiplicatore ψ2. Il valore è adimensionale.*
***Con segno**: descrive se la condizione elementare ha la possibilità di variare di segno.*

Descrizione	Nome breve	Durata	ψ0	ψ1	ψ2	Con segno
Pesi strutturali	Pesi	Permanente				
Permanenti portati	Port.	Permanente				
Accidentali	Accidentali	Media	0.7	0.5	0.3	
neve	neve	Breve	0.5	0.2	0	
ΔT	ΔT	Media	0.6	0.5	0	No
Sisma X SLV	SLV X					
Sisma Y SLV	SLV Y					
Sisma Z SLV	SLV Z					
Eccentricità Y per sisma X SLV	EySx SLV					
Eccentricità X per sisma Y SLV	ExSy SLV					
Sisma X SLD	X SLD					
Sisma Y SLD	Y SLD					
Sisma Z SLD	Z SLD					
Eccentricità Y per sisma X SLD	EySx SLD					
Eccentricità X per sisma Y SLD	ExSy SLD					
Terreno sisma X SLV	Tr sLV X					
Terreno sisma Y SLV	Tr sLV Y					
Terreno sisma Z SLV	Tr sLV Z					
Terreno sisma X SLD	Tr x SLD					
Terreno sisma Y SLD	Tr y SLD					
Terreno sisma Z SLD	Tr z SLD					
Rig Ux	Rig Ux					
Rig Uy	Rig Uy					

Descrizione	Nome breve	Durata	ψ0	ψ1	ψ2	Con segno
Rig Rz	Rig Rz					

5.2.2 Combinazioni di carico

***Nome**: E' il nome esteso che contraddistingue la condizione elementare di carico.*
***Nome breve**: E' il nome compatto della condizione elementare di carico, che viene utilizzato altrove nella relazione.*
***Pesi**: Pesi strutturali*
***Port.**: Permanenti portati*
***Accidentali**: Accidentali*
***neve**: neve*
***ΔT**: ΔT*
***X SLD**: Sisma X SLD*
***Y SLD**: Sisma Y SLD*
***Z SLD**: Sisma Z SLD*
***EySx SLD**: Eccentricità Y per sisma X SLD*
***ExSy SLD**: Eccentricità X per sisma Y SLD*
***Tr x SLD**: Terreno sisma X SLD*
***Tr y SLD**: Terreno sisma Y SLD*
***Tr z SLD**: Terreno sisma Z SLD*
***SLV X**: Sisma X SLV*
***SLV Y**: Sisma Y SLV*
***SLV Z**: Sisma Z SLV*
***EySx SLV**: Eccentricità Y per sisma X SLV*
***ExSy SLV**: Eccentricità X per sisma Y SLV*
***Tr sLV X**: Terreno sisma X SLV*
***Tr sLV Y**: Terreno sisma Y SLV*
***Tr sLV Z**: Terreno sisma Z SLV*
***Rig Ux**: Rig Ux*
***Rig Uy**: Rig Uy*
***Rig Rz**: Rig Rz*
Tutte le combinazioni di carico vengono raggruppate per famiglia di appartenenza. Le celle di una riga contengono i coefficienti moltiplicatori della i-esima combinazione, dove il valore della prima cella è da intendersi come moltiplicatore associato alla prima condizione elementare, la seconda cella si riferisce alla seconda condizione elementare e così via.

Famiglia SLU

Il nome compatto della famiglia è SLU.

Nome	Nome breve	Pesi	Port.	Accidentali	neve	ΔT
1	SLU 1	1	0.8	0	0	0
2	SLU 2	1	0.8	0	0	1.5
3	SLU 3	1	0.8	0	0.75	1.5
4	SLU 4	1	0.8	0	1.5	0
5	SLU 5	1	0.8	0	1.5	0.9
6	SLU 6	1	0.8	1.05	0	1.5
7	SLU 7	1	0.8	1.05	0.75	1.5
8	SLU 8	1	0.8	1.05	1.5	0
9	SLU 9	1	0.8	1.05	1.5	0.9
10	SLU 10	1	0.8	1.5	0	0
11	SLU 11	1	0.8	1.5	0	0.9
12	SLU 12	1	0.8	1.5	0.75	0
13	SLU 13	1	0.8	1.5	0.75	0.9
14	SLU 14	1	1.5	0	0	0
15	SLU 15	1	1.5	0	0	1.5
16	SLU 16	1	1.5	0	0.75	1.5
17	SLU 17	1	1.5	0	1.5	0
18	SLU 18	1	1.5	0	1.5	0.9
19	SLU 19	1	1.5	1.05	0	1.5
20	SLU 20	1	1.5	1.05	0.75	1.5
21	SLU 21	1	1.5	1.05	1.5	0
22	SLU 22	1	1.5	1.05	1.5	0.9
23	SLU 23	1	1.5	1.5	0	0
24	SLU 24	1	1.5	1.5	0	0.9
25	SLU 25	1	1.5	1.5	0.75	0
26	SLU 26	1	1.5	1.5	0.75	0.9
27	SLU 27	1.3	0.8	0	0	0
28	SLU 28	1.3	0.8	0	0	1.5
29	SLU 29	1.3	0.8	0	0.75	1.5
30	SLU 30	1.3	0.8	0	1.5	0
31	SLU 31	1.3	0.8	0	1.5	0.9
32	SLU 32	1.3	0.8	1.05	0	1.5
33	SLU 33	1.3	0.8	1.05	0.75	1.5
34	SLU 34	1.3	0.8	1.05	1.5	0
35	SLU 35	1.3	0.8	1.05	1.5	0.9
36	SLU 36	1.3	0.8	1.5	0	0
37	SLU 37	1.3	0.8	1.5	0	0.9
38	SLU 38	1.3	0.8	1.5	0.75	0
39	SLU 39	1.3	0.8	1.5	0.75	0.9
40	SLU 40	1.3	1.5	0	0	0
41	SLU 41	1.3	1.5	0	0	1.5
42	SLU 42	1.3	1.5	0	0.75	1.5
43	SLU 43	1.3	1.5	0	1.5	0
44	SLU 44	1.3	1.5	0	1.5	0.9
45	SLU 45	1.3	1.5	1.05	0	1.5
46	SLU 46	1.3	1.5	1.05	0.75	1.5
47	SLU 47	1.3	1.5	1.05	1.5	0
48	SLU 48	1.3	1.5	1.05	1.5	0.9
49	SLU 49	1.3	1.5	1.5	0	0
50	SLU 50	1.3	1.5	1.5	0	0.9
51	SLU 51	1.3	1.5	1.5	0.75	0
52	SLU 52	1.3	1.5	1.5	0.75	0.9

Famiglia SLE rara

Il nome compatto della famiglia è SLE RA.

Nome	Nome breve	Pesi	Port.	Accidentali	neve	ΔT
1	SLE RA 1	1	1	0	0	0
2	SLE RA 2	1	1	0	0	1
3	SLE RA 3	1	1	0	0.5	1
4	SLE RA 4	1	1	0	1	0
5	SLE RA 5	1	1	0	1	0.6
6	SLE RA 6	1	1	0.7	0	1
7	SLE RA 7	1	1	0.7	0.5	1
8	SLE RA 8	1	1	0.7	1	0
9	SLE RA 9	1	1	0.7	1	0.6
10	SLE RA 10	1	1	1	0	0
11	SLE RA 11	1	1	1	0	0.6
12	SLE RA 12	1	1	1	0.5	0
13	SLE RA 13	1	1	1	0.5	0.6

Famiglia SLE frequente

Il nome compatto della famiglia è SLE FR.

Nome	Nome breve	Pesi	Port.	Accidentali	neve	ΔT
1	SLE FR 1	1	1	0	0	0
2	SLE FR 2	1	1	0	0	0.5
3	SLE FR 3	1	1	0	0.2	0
4	SLE FR 4	1	1	0.3	0	0.5
5	SLE FR 5	1	1	0.3	0.2	0
6	SLE FR 6	1	1	0.5	0	0

Famiglia SLE quasi permanente

Il nome compatto della famiglia è SLE QP.

Nome	Nome breve	Pesi	Port.	Accidentali	neve	ΔT
1	SLE QP 1	1	1	0	0	0
2	SLE QP 2	1	1	0.3	0	0

Famiglia SLU eccezionale

Il nome compatto della famiglia è SLU EX.

Nome	Nome breve	Pesi	Port.	Accidentali	neve	ΔT

Famiglia SLD

Il nome compatto della famiglia è SLD.
Poiché il numero di condizioni elementari previste per le combinazioni di questa famiglia è cospicuo, la tabella verrà spezzata in più parti.

Nome	Nome breve	Pesi	Port.	Accidentali	neve	ΔT	X SLD	Y SLD
1	SLD 1	1	1	0.3	0	0	-1	-0.3
2	SLD 2	1	1	0.3	0	0	-1	-0.3
3	SLD 3	1	1	0.3	0	0	-1	0.3
4	SLD 4	1	1	0.3	0	0	-1	0.3
5	SLD 5	1	1	0.3	0	0	-0.3	-1
6	SLD 6	1	1	0.3	0	0	-0.3	-1
7	SLD 7	1	1	0.3	0	0	-0.3	1
8	SLD 8	1	1	0.3	0	0	-0.3	1
9	SLD 9	1	1	0.3	0	0	0.3	-1
10	SLD 10	1	1	0.3	0	0	0.3	-1
11	SLD 11	1	1	0.3	0	0	0.3	1
12	SLD 12	1	1	0.3	0	0	0.3	1
13	SLD 13	1	1	0.3	0	0	1	-0.3
14	SLD 14	1	1	0.3	0	0	1	-0.3
15	SLD 15	1	1	0.3	0	0	1	0.3
16	SLD 16	1	1	0.3	0	0	1	0.3

Nome	Nome breve	Z SLD	EySx SLD	ExSy SLD	Tr x SLD	Tr y SLD	Tr z SLD
1	SLD 1	0	-1	0.3	-1	-0.3	0
2	SLD 2	0	1	-0.3	-1	-0.3	0
3	SLD 3	0	-1	0.3	-1	0.3	0
4	SLD 4	0	1	-0.3	-1	0.3	0
5	SLD 5	0	-0.3	1	-0.3	-1	0
6	SLD 6	0	0.3	-1	-0.3	-1	0
7	SLD 7	0	-0.3	1	-0.3	1	0
8	SLD 8	0	0.3	-1	-0.3	1	0
9	SLD 9	0	-0.3	1	0.3	-1	0
10	SLD 10	0	0.3	-1	0.3	-1	0
11	SLD 11	0	-0.3	1	0.3	1	0
12	SLD 12	0	0.3	-1	0.3	1	0
13	SLD 13	0	-1	0.3	1	-0.3	0
14	SLD 14	0	1	-0.3	1	-0.3	0
15	SLD 15	0	-1	0.3	1	0.3	0
16	SLD 16	0	1	-0.3	1	0.3	0

Famiglia SLV

Il nome compatto della famiglia è SLV.
Poiché il numero di condizioni elementari previste per le combinazioni di questa famiglia è cospicuo, la tabella verrà spezzata in più parti.

Nome	Nome breve	Pesi	Port.	Accidentali	neve	ΔT	SLV X	SLV Y
1	SLV 1	1	1	0.3	0	0	-1	-0.3
2	SLV 2	1	1	0.3	0	0	-1	-0.3
3	SLV 3	1	1	0.3	0	0	-1	0.3
4	SLV 4	1	1	0.3	0	0	-1	0.3
5	SLV 5	1	1	0.3	0	0	-0.3	-1
6	SLV 6	1	1	0.3	0	0	-0.3	-1
7	SLV 7	1	1	0.3	0	0	-0.3	1
8	SLV 8	1	1	0.3	0	0	-0.3	1
9	SLV 9	1	1	0.3	0	0	0.3	-1
10	SLV 10	1	1	0.3	0	0	0.3	-1
11	SLV 11	1	1	0.3	0	0	0.3	1
12	SLV 12	1	1	0.3	0	0	0.3	1
13	SLV 13	1	1	0.3	0	0	1	-0.3
14	SLV 14	1	1	0.3	0	0	1	-0.3

Nome	Nome breve	Pesi	Port.	Accidentali	neve	ΔT	SLV X	SLV Y
15	SLV 15	1	1	0.3	0	0	1	0.3
16	SLV 16	1	1	0.3	0	0	1	0.3

Nome	Nome breve	SLV Z	EySx SLV	ExSy SLV	Tr sLV X	Tr sLV Y	Tr sLV Z
1	SLV 1	0	-1	0.3	-1	-0.3	0
2	SLV 2	0	1	-0.3	-1	-0.3	0
3	SLV 3	0	-1	0.3	-1	0.3	0
4	SLV 4	0	1	-0.3	-1	0.3	0
5	SLV 5	0	-0.3	1	-0.3	-1	0
6	SLV 6	0	0.3	-1	-0.3	-1	0
7	SLV 7	0	-0.3	1	-0.3	1	0
8	SLV 8	0	0.3	-1	-0.3	1	0
9	SLV 9	0	-0.3	1	0.3	-1	0
10	SLV 10	0	0.3	-1	0.3	-1	0
11	SLV 11	0	-0.3	1	0.3	1	0
12	SLV 12	0	0.3	-1	0.3	1	0
13	SLV 13	0	-1	0.3	1	-0.3	0
14	SLV 14	0	1	-0.3	1	-0.3	0
15	SLV 15	0	-1	0.3	1	0.3	0
16	SLV 16	0	1	-0.3	1	0.3	0

Famiglia Calcolo rigidezza torsionale/flessionale di piano

Il nome compatto della famiglia è CRTFP.

Nome	Nome breve	Rig Ux	Rig Uy	Rig Rz
Rig. Ux+	CRTFP Ux+	1	0	0
Rig. Ux-	CRTFP Ux-	-1	0	0
Rig. Uy+	CRTFP Uy+	0	1	0
Rig. Uy-	CRTFP Uy-	0	-1	0
Rig. Rz+	CRTFP Rz+	0	0	1
Rig. Rz-	CRTFP Rz-	0	0	-1

5.2.3 Definizioni di carichi lineari

***Nome**: nome identificativo della definizione di carico.*
***Valori**: valori associati alle condizioni di carico.*
***Condizione**: condizione di carico a cui sono associati i valori.*
***Descrizione**: nome assegnato alla condizione elementare.*
***Fx i.**: valore iniziale della forza, per unità di lunghezza, agente in direzione X. [daN/cm]*
***Fx f.**: valore finale della forza, per unità di lunghezza, agente in direzione X. [daN/cm]*
***Fy i.**: valore iniziale della forza, per unità di lunghezza, agente in direzione Y. [daN/cm]*
***Fy f.**: valore finale della forza, per unità di lunghezza, agente in direzione Y. [daN/cm]*
***Fz i.**: valore iniziale della forza, per unità di lunghezza, agente in direzione Z. [daN/cm]*
***Fz f.**: valore finale della forza, per unità di lunghezza, agente in direzione Z. [daN/cm]*
***Mx i.**: valore iniziale della coppia, per unità di lunghezza, agente attorno l'asse X. [daN]*
***Mx f.**: valore finale della coppia, per unità di lunghezza, agente attorno l'asse X. [daN]*
***My i.**: valore iniziale della coppia, per unità di lunghezza, agente attorno l'asse Y. [daN]*
***My f.**: valore finale della coppia, per unità di lunghezza, agente attorno l'asse Y. [daN]*
***Mz i.**: valore iniziale della coppia, per unità di lunghezza, agente attorno l'asse Z. [daN]*
***Mz f.**: valore finale della coppia, per unità di lunghezza, agente attorno l'asse Z. [daN]*

Nome	Valori											
	Condizione	Fx i.	Fx f.	Fy i.	Fy f.	Fz i.	Fz f.	Mx i.	Mx f.	My i.	My f.	Mz i.	Mz f.
	Descrizione												
muri	Pesi strutturali	0	0	0	0	0	0	0	0	0	0	0	0
	Permanenti portati	0	0	0	0	-8	-8	0	0	0	0	0	0
	Accidentali	0	0	0	0	0	0	0	0	0	0	0	0
	neve	0	0	0	0	0	0	0	0	0	0	0	0
30x60	Pesi strutturali	0	0	0	0	0	0	0	0	0	0	0	0
	Permanenti portati	0	0	0	0	0	0	0	0	0	0	0	0
	Accidentali	0	0	0	0	0	0	0	0	0	0	0	0
	neve	0	0	0	0	0	0	0	0	0	0	0	0
30x50	Pesi strutturali	0	0	0	0	0	0	0	0	0	0	0	0
	Permanenti portati	0	0	0	0	0	0	0	0	0	0	0	0
	Accidentali	0	0	0	0	0	0	0	0	0	0	0	0
	neve	0	0	0	0	0	0	0	0	0	0	0	0
30x30	Pesi strutturali	0	0	0	0	0	0	0	0	0	0	0	0
	Permanenti portati	0	0	0	0	0	0	0	0	0	0	0	0
	Accidentali	0	0	0	0	0	0	0	0	0	0	0	0
	neve	0	0	0	0	0	0	0	0	0	0	0	0
50x50	Pesi strutturali	0	0	0	0	0	0	0	0	0	0	0	0
	Permanenti portati	0	0	0	0	0	0	0	0	0	0	0	0
	Accidentali	0	0	0	0	0	0	0	0	0	0	0	0
	neve	0	0	0	0	0	0	0	0	0	0	0	0
scala	Pesi strutturali	0	0	0	0	0	0	0	0	0	0	0	0
	Permanenti portati	0	0	0	0	-5	-5	0	0	0	0	0	0
	Accidentali	0	0	0	0	-5	-5	0	0	0	0	0	0
	neve	0	0	0	0	0	0	0	0	0	0	0	0

5.2.4 Definizioni di carichi superficiali

***Nome**: nome identificativo della definizione di carico.*
***Valori**: valori associati alle condizioni di carico.*
***Condizione**: condizione di carico a cui sono associati i valori.*
***Descrizione**: nome assegnato alla condizione elementare.*
***Valore**: valore del carico per unità di superficie, nel caso il tipo sia "Verticale", "Verticale in proiezione", "Normale alla superficie". [daN/cm²]*
***Cp vento**: valore del coefficiente di pressione Cp, nel caso il tipo sia "Cp vento". Il valore è adimensionale.*
***Tipo**: tipo di carico.*

Nome	Valori			
	Condizione	Valore	Cp vento	Tipo
	Descrizione			

Nome	Valori			
	Condizione	Valore	Cp vento	Tipo
	Descrizione			
Interni	Pesi strutturali	0		Verticale
	Permanenti portati	0.04		Verticale
	Accidentali	0.02		Verticale
	neve	0		Verticale
Balconi	Pesi strutturali	0		Verticale
	Permanenti portati	0.03		Verticale
	Accidentali	0.04		Verticale
	neve	0		Verticale
Scale	Pesi strutturali	0		Verticale
	Permanenti portati	0.03		Verticale
	Accidentali	0.04		Verticale
	neve	0		Verticale
Copertura scale	Pesi strutturali	0		Verticale
	Permanenti portati	0.01		Verticale
	Accidentali	0.005		Verticale
	neve	0.015		Verticale
Copertura cantine	Pesi strutturali	0		Verticale
	Permanenti portati	0.03		Verticale
	Accidentali	0.02		Verticale
	neve	0.015		Verticale

5.2.5 Definizioni di carichi termici

***Nome**: nome identificativo della definizione di carico.*
***ΔT faccia interna**: variazione di temperatura della faccia interna dell'elemento rispetto alla temperatura di costruzione. [°C]*
***ΔT faccia esterna**: variazione di temperatura della faccia esterna dell'elemento rispetto alla temperatura di costruzione. [°C]*

Nome	ΔT faccia interna	ΔT faccia esterna
TERMICO	10	10

5.3 Quote

5.3.1 Livelli

***Descrizione breve**: nome sintetico assegnato al livello.*
***Descrizione**: nome assegnato al livello.*
***Quota**: quota superiore espressa nel sistema di riferimento assoluto. [cm]*
***Spessore**: spessore del livello. [cm]*

Descrizione breve	Descrizione	Quota	Spessore
L1	fondo corsa	-220	40
L2	Fondazione	-140	60
L3	p.lo 1	200	20
L4	Piano 1	380	20
L5	p.lo 2	535	20
L6	Piano 2	690	20
L7	p.lo 3	845	20
L8	Piano 3	1000	20
L9	p.lo 4	1155	20
L10	Piano 4	1310	20
L11	p.lo 5	1465	20
L12	Piano 5	1620	20
L13	p.lo 6	1775	20
L14	Piano 6	1930	20
L15	p.lo 7	2085	20
L16	Piano 7	2240	20
L17	p.lo 8	2395	20
L18	Piano 8	2550	20
L19	Parapetto 8	2680	20
L20	Piano 9	2860	20

5.3.2 Tronchi

***Descrizione breve**: nome sintetico assegnato al tronco.*
***Descrizione**: nome assegnato al tronco.*
***Quota 1**: riferimento della prima quota di definizione del tronco. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Quota 2**: riferimento della seconda quota di definizione del tronco. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*

Descrizione breve	Descrizione	Quota 1	Quota 2
T1	Fondazione - Piano 1	Fondazione	Piano 1
T2	Piano 1 - Piano 2	Piano 1	Piano 2
T3	Piano 2 - Piano 3	Piano 2	Piano 3
T4	Piano 3 - Piano 4	Piano 3	Piano 4
T5	Piano 4 - Piano 5	Piano 4	Piano 5
T6	Piano 5 - Piano 6	Piano 5	Piano 6
T7	Piano 6 - Piano 7	Piano 6	Piano 7
T8	Piano 7 - Piano 8	Piano 7	Piano 8
T9	Piano 8 - Piano 9	Piano 8	Piano 9
T10	Piano 8 - Parapetto 8	Piano 8	Parapetto 8
T11	fondo corsa - Fondazione	fondo corsa	Fondazione

5.4 Elementi di input

5.4.1 Travi C.A.

5.4.1.1 Travi C.A. di piano

***Sezione**: riferimento ad una definizione di sezione C.A..*
***P.i.**: posizione dei punti d'inserimento rispetto alla geometria della sezione. SA=Sinistra anima, CA=Centro anima, DA=Destra anima*
***Liv.**: quota del punto di inserimento iniziale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Punto i.**: punto di inserimento iniziale.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Punto f.**: punto di inserimento finale.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [cm]*
***Mat.**: riferimento ad una definizione di materiale calcestruzzo.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***P.lin.**: peso per unità di lunghezza. [daN/cm]*

Sezione	P.i.	Liv.	Punto i.		Punto f.		Estr.	Mat.	Car.lin.	Sovr.	S.Z	C.i.	C.f.	P.lin.
			X	Y	X	Y								
R 30x40	CA	L12	9502	0	9502	813	0	C30/37	Nessuno; G	0	No	No	No	3
R 30x40	CA	L12	9855	0	9855	813	0	C30/37	Nessuno; G	0	No	No	No	3
R 30x40	CA	L16	7351	0	7351	813	0	C30/37	Nessuno; G	0	No	No	No	3
R 30x40	CA	L16	7704	0	7704	813	0	C30/37	Nessuno; G	0	No	No	No	3

5.4.1.2 Travi C.A. tra quote

***Sezione**: riferimento ad una definizione di sezione C.A..*
***P.i.**: posizione dei punti d'inserimento rispetto alla geometria della sezione. SA=Sinistra anima, CA=Centro anima, DA=Destra anima*
***Quota i.**: quota del punto di inserimento iniziale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Quota f.**: quota del punto di inserimento finale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Punto i.**: punto di inserimento iniziale.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Punto f.**: punto di inserimento finale.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Mat.**: riferimento ad una definizione di materiale calcestruzzo.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***P.lin.**: peso per unità di lunghezza. [daN/cm]*

Sezione	P.i.	Quota i.	Quota f.	Punto i.		Punto f.		Mat.	Car.lin.	Sovr.	S.Z	C.i.	C.f.	P.lin.
				X	Y	X	Y							
R 130x20	CA	L3	L4	7437.5	160	7437.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L3	L2	7617.5	160	7617.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L3	L4	9588.5	160	9588.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L3	L2	9768.5	160	9768.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L5	L6	7437.5	160	7437.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L5	L4	9768.5	160	9768.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L5	L4	7617.5	160	7617.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L5	L6	9588.5	160	9588.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L7	L8	7437.5	160	7437.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L7	L8	9588.5	160	9588.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L7	L6	7617.5	160	7617.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L7	L6	9768.5	160	9768.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L9	L10	9588.5	160	9588.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L9	L8	7617.5	160	7617.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L9	L10	7437.5	160	7437.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L9	L8	9768.5	160	9768.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L11	L10	7617.5	160	7617.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L11	L12	7437.5	160	7437.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L13	L14	7437.5	160	7437.5	373	C30/37	scala; G	0	No	No	No	6.5
R 130x20	CA	L13	L12	7617.5	160	7617.5	373	C30/37	scala; G	0	No	No	No	6.5

5.4.2 Travi in acciaio

5.4.2.1 Travi in acciaio di piano

***Sezione**: sezione in acciaio.*
***P.i.**: posizione dei punti d'inserimento rispetto alla geometria della sezione. S=Sinistra, C=Centro, D=Destra*
***Liv.**: quota del punto di inserimento iniziale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Punto i.**: punto di inserimento iniziale.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Punto f.**: punto di inserimento finale.*

***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [cm]*
***Mat.**: riferimento ad una definizione di materiale in acciaio.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***P.lin.**: peso per unità di lunghezza. [daN/cm]*
***Cal.**: descrizione sintetica dell'eventuale calastrello della sezione accoppiata o composita.*

Sezione	P.i.	Liv.	Punto i.		Punto f.		Estr.	Mat.	Car.lin.	Sovr.	S.Z	C.i.	C.f.	P.lin.	Cal.
			X	Y	X	Y									
HEA100	C	L12	9517	700	9840	700	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L12	9517	600	9840	600	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L12	9517	500	9840	500	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L12	9517	400	9840	400	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L12	9517	300	9840	300	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L12	9517	200	9840	200	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L12	9517	100	9840	100	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L12	9517	0	9840	0	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L12	9517	800	9840	800	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L16	7366	700	7689	700	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L16	7366	600	7689	600	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L16	7366	500	7689	500	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L16	7366	400	7689	400	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L16	7366	300	7689	300	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L16	7366	200	7689	200	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L16	7366	100	7689	100	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L16	7366	800	7689	800	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	
HEA100	C	L16	7366	0	7689	0	0	S235	Nessuno; G	0	No	Svincolo: M3	Svincolo: M3	0.2	

5.4.3 Pilastri C.A.

***Tr.**: riferimento al tronco indicante la quota inferiore e superiore.*
***Sezione**: riferimento ad una definizione di sezione C.A..*
***P.i.**: posizione del punto di inserimento rispetto alla geometria della sezione. SS=Sinistra-sotto, SC=Sinistra-centro, SA=Sinistra-alto, CS=Centro-sotto, CC=Centro-centro, CA=Centro-alto, DS=Destra-sotto, DC=Destra-centro, DA=Destra-alto*
***Punto**: posizione del punto di inserimento rispetto alla geometria della sezione.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Ang.**: angolo misurato dal semiasse positivo delle ascisse in verso antiorario. [deg]*
***Mat.**: riferimento ad una definizione di calcestruzzo.*
***Car.lin.**: riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***C.i.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***C.f.**: svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.*
***P.lin.**: peso per unità di lunghezza. [daN/cm]*
***Corr.**: lista di elementi correlati all'elemento generati durante la modellazione.*

Tr.	Sezione	P.i.	Punto		Ang.	Mat.	Car.lin.	Sovr.	S.Z	C.i.	C.f.	P.lin.	Corr.
			X	Y									
T1	R 30x50	CC	6472	448	0	C30/37	30x50; G	0	No	No	No	3.75	186
T1	R 30x60	CC	10258	948	90	C30/37	30x60; G	0	No	No	No	4.5	203
T1	R 30x60	CC	10258	15	90	C30/37	30x60; G	0	No	No	No	4.5	202
T1	R 30x60	CC	10736.5	35	0	C30/37	30x60; G	0	No	No	No	4.5	201
T1	R 30x70	CC	10736.5	448	0	C30/37	Nessuno; G	0	No	No	No	5.25	200
T1	R 30x70	CC	8107	448	90	C30/37	Nessuno; G	0	No	No	No	5.25	199
T1	R 30x60	CC	8107	948	90	C30/37	30x60; G	0	No	No	No	4.5	198
T1	R 30x60	CC	8107	15	90	C30/37	30x60; G	0	No	No	No	4.5	197
T1	R 30x60	CC	8603	35	0	C30/37	30x60; G	0	No	No	No	4.5	196
T1	R 30x60	CC	9855	448	0	C30/37	30x60; G	0	No	No	No	4.5	99
T1	R 30x60	CC	9855	933	0	C30/37	30x60; G	0	No	No	No	4.5	100
T1	R 30x70	CC	10258	448	90	C30/37	Nessuno; G	0	No	No	No	5.25	204
T1	R 30x60	CC	9855	30	0	C30/37	30x60; G	0	No	No	No	4.5	101-102
T1	R 30x60	CC	9502	30	0	C30/37	30x60; G	0	No	No	No	4.5	104-105
T1	R 30x60	CC	8603	928	0	C30/37	30x60; G	0	No	No	No	4.5	195
T1	R 30x70	CC	8603	448	0	C30/37	Nessuno; G	0	No	No	No	5.25	194
T1	R 30x60	CC	9099	948	90	C30/37	30x60; G	0	No	No	No	4.5	193
T1	R 30x70	CC	9099	448	90	C30/37	Nessuno; G	0	No	No	No	5.25	192
T1	R 30x60	CC	9099	15	90	C30/37	30x60; G	0	No	No	No	4.5	191
T1	R 30x70	CC	6948	448	270	C30/37	Nessuno; G	0	No	No	No	5.25	190

Tr.	Sezione	P.i.	Punto		Ang.	Mat.	Car.lin.	Sovr.	S.Z	C.i.	C.f.	P.lin.	Corr.
			X	Y									
T1	R 30x60	CC	6948	948	270	C30/37	30x60; G	0	No	No	No	4.5	189
T1	R 30x60	CC	6948	15	270	C30/37	30x60; G	0	No	No	No	4.5	188
T1	R 30x50	CC	6472	938	0	C30/37	30x50; G	0	No	No	No	3.75	187
T1	R 30x60	CC	9502	448	0	C30/37	30x60; G	0	No	No	No	4.5	103
T1	R 30x50	CC	6472	25	0	C30/37	30x50; G	0	No	No	No	3.75	185
T1	R 50x50	CC	11110.5	855.5	0	C30/37	50x50; G	0	No	No	No	6.25	205
T1	R 30x60	CC	7704	448	0	C30/37	30x60; G	0	No	No	No	4.5	1
T1	R 30x60	CC	7704	933	0	C30/37	30x60; G	0	No	No	No	4.5	2
T1	R 30x60	CC	7704	30	0	C30/37	30x60; G	0	No	No	No	4.5	3-4
T1	R 30x60	CC	7351	448	0	C30/37	30x60; G	0	No	No	No	4.5	5
T1	R 30x60	CC	7351	30	0	C30/37	30x60; G	0	No	No	No	4.5	6-7
T2	R 50x50	CC	11110.5	855.5	0	C30/37	50x50; G	0	No	No	No	6.25	226
T2	R 30x70	CC	10258	448	90	C30/37	Nessuno; G	0	No	No	No	5.25	225
T2	R 30x60	CC	10258	948	90	C30/37	30x60; G	0	No	No	No	4.5	224
T2	R 30x60	CC	10258	15	90	C30/37	30x60; G	0	No	No	No	4.5	223
T2	R 30x60	CC	10736.5	35	0	C30/37	30x60; G	0	No	No	No	4.5	222
T2	R 30x70	CC	10736.5	448	0	C30/37	Nessuno; G	0	No	No	No	5.25	221
T2	R 30x50	CC	6472	25	0	C30/37	30x50; G	0	No	No	No	3.75	206
T2	R 30x70	CC	8107	448	90	C30/37	Nessuno; G	0	No	No	No	5.25	220
T2	R 30x60	CC	8107	15	90	C30/37	30x60; G	0	No	No	No	4.5	218
T2	R 30x60	CC	8603	35	0	C30/37	30x60; G	0	No	No	No	4.5	217
T2	R 30x60	CC	8603	928	0	C30/37	30x60; G	0	No	No	No	4.5	216
T2	R 30x70	CC	8603	448	0	C30/37	Nessuno; G	0	No	No	No	5.25	215
T2	R 30x60	CC	9099	948	90	C30/37	30x60; G	0	No	No	No	4.5	214
T2	R 30x70	CC	9099	448	90	C30/37	Nessuno; G	0	No	No	No	5.25	213
T2	R 30x60	CC	9099	15	90	C30/37	30x60; G	0	No	No	No	4.5	212
T2	R 30x60	CC	6948	948	270	C30/37	30x60; G	0	No	No	No	4.5	210
T2	R 30x60	CC	6948	15	270	C30/37	30x60; G	0	No	No	No	4.5	209
T2	R 30x50	CC	6472	938	0	C30/37	30x50; G	0	No	No	No	3.75	208
T2	R 30x60	CC	8107	948	90	C30/37	30x60; G	0	No	No	No	4.5	219
T2	R 30x50	CC	6472	448	0	C30/37	30x50; G	0	No	No	No	3.75	207
T2	R 30x70	CC	6948	448	270	C30/37	Nessuno; G	0	No	No	No	5.25	211
T2	R 30x60	CC	7351	448	0	C30/37	30x60; G	0	No	No	No	4.5	12
T2	R 30x60	CC	9502	30	0	C30/37	30x60; G	0	No	No	No	4.5	111-112
T2	R 30x60	CC	9502	448	0	C30/37	30x60; G	0	No	No	No	4.5	110
T2	R 30x60	CC	9855	30	0	C30/37	30x60; G	0	No	No	No	4.5	108-109
T2	R 30x60	CC	9855	933	0	C30/37	30x60; G	0	No	No	No	4.5	107
T2	R 30x60	CC	7704	448	0	C30/37	30x60; G	0	No	No	No	4.5	8
T2	R 30x60	CC	7704	933	0	C30/37	30x60; G	0	No	No	No	4.5	9
T2	R 30x60	CC	7704	30	0	C30/37	30x60; G	0	No	No	No	4.5	10-11
T2	R 30x60	CC	9855	448	0	C30/37	30x60; G	0	No	No	No	4.5	106
T2	R 30x60	CC	7351	30	0	C30/37	30x60; G	0	No	No	No	4.5	13-14
T3	R 30x60	CC	8603	448	0	C30/37	30x60; G	0	No	No	No	4.5	236
T3	R 30x60	CC	8603	35	0	C30/37	30x60; G	0	No	No	No	4.5	238
T3	R 30x60	CC	8107	948	90	C30/37	30x60; G	0	No	No	No	4.5	240
T3	R 30x60	CC	8107	448	90	C30/37	30x60; G	0	No	No	No	4.5	241
T3	R 30x60	CC	10736.5	448	0	C30/37	30x60; G	0	No	No	No	4.5	242
T3	R 30x60	CC	10736.5	35	0	C30/37	30x60; G	0	No	No	No	4.5	243
T3	R 30x60	CC	8107	15	90	C30/37	30x60; G	0	No	No	No	4.5	239
T3	R 30x60	CC	10258	948	90	C30/37	30x60; G	0	No	No	No	4.5	245
T3	R 30x60	CC	9099	15	90	C30/37	30x60; G	0	No	No	No	4.5	233
T3	R 30x60	CC	9099	448	90	C30/37	30x60; G	0	No	No	No	4.5	234
T3	R 30x60	CC	10258	15	90	C30/37	30x60; G	0	No	No	No	4.5	244
T3	R 30x60	CC	7351	30	0	C30/37	30x60; G	0	No	No	No	4.5	20-21
T3	R 30x60	CC	7351	448	0	C30/37	30x60; G	0	No	No	No	4.5	19
T3	R 30x60	CC	7704	30	0	C30/37	30x60; G	0	No	No	No	4.5	17-18
T3	R 30x60	CC	7704	933	0	C30/37	30x60; G	0	No	No	No	4.5	16
T3	R 30x60	CC	7704	448	0	C30/37	30x60; G	0	No	No	No	4.5	15
T3	R 30x60	CC	6948	15	270	C30/37	30x60; G	0	No	No	No	4.5	227
T3	R 30x50	CC	6472	25	0	C30/37	30x50; G	0	No	No	No	3.75	228
T3	R 30x50	CC	6472	448	0	C30/37	30x50; G	0	No	No	No	3.75	229
T3	R 30x50	CC	6472	938	0	C30/37	30x50; G	0	No	No	No	3.75	230
T3	R 30x60	CC	9099	948	90	C30/37	30x60; G	0	No	No	No	4.5	235
T3	R 30x60	CC	6948	448	270	C30/37	30x60; G	0	No	No	No	4.5	232
T3	R 30x60	CC	8603	928	0	C30/37	30x60; G	0	No	No	No	4.5	237
T3	R 50x50	CC	11110.5	855.5	0	C30/37	50x50; G	0	No	No	No	6.25	247
T3	R 30x60	CC	6948	948	270	C30/37	30x60; G	0	No	No	No	4.5	231
T3	R 30x60	CC	10258	448	90	C30/37	30x60; G	0	No	No	No	4.5	246
T3	R 30x60	CC	9502	30	0	C30/37	30x60; G	0	No	No	No	4.5	118-119
T3	R 30x60	CC	9502	448	0	C30/37	30x60; G	0	No	No	No	4.5	117
T3	R 30x60	CC	9855	30	0	C30/37	30x60; G	0	No	No	No	4.5	115-116
T3	R 30x60	CC	9855	448	0	C30/37	30x60; G	0	No	No	No	4.5	113
T3	R 30x60	CC	9855	933	0	C30/37	30x60; G	0	No	No	No	4.5	114
T4	R 30x50	CC	8107	948	90	C30/37	30x50; G	0	No	No	No	3.75	261
T4	R 30x50	CC	8603	35	0	C30/37	30x50; G	0	No	No	No	3.75	259
T4	R 30x50	CC	10736.5	448	0	C30/37	30x50; G	0	No	No	No	3.75	263
T4	R 30x50	CC	10736.5	35	0	C30/37	30x50; G	0	No	No	No	3.75	264
T4	R 30x50	CC	10258	15	90	C30/37	30x50; G	0	No	No	No	3.75	265
T4	R 30x50	CC	10258	948	90	C30/37	30x50; G	0	No	No	No	3.75	266
T4	R 30x50	CC	10258	448	90	C30/37	30x50; G	0	No	No	No	3.75	267
T4	R 30x50	CC	8107	15	90	C30/37	30x50; G	0	No	No	No	3.75	260
T4	R 30x50	CC	8107	448	90	C30/37	30x50; G	0	No	No	No	3.75	262
T4	R 30x50	CC	9099	15	90	C30/37	30x50; G	0	No	No	No	3.75	248
T4	R 30x50	CC	8603	448	0	C30/37	30x50; G	0	No	No	No	3.75	257
T4	R 30x50	CC	9099	948	90	C30/37	30x50; G	0	No	No	No	3.75	256
T4	R 30x50	CC	6948	448	270	C30/37	30x50; G	0	No	No	No	3.75	254
T4	R 30x50	CC	9855	933	0	C30/37	30x50; G	0	No	No	No	3.75	121
T4	R 30x50	CC	6948	948	270	C30/37	30x50; G	0	No	No	No	3.75	253
T4	R 30x50	CC	6472	938	0	C30/37	30x50; G	0	No	No	No	3.75	252
T4	R 30x50	CC	6472	448	0	C30/37	30x50; G	0	No	No	No	3.75	251
T4	R 30x50	CC	6948	15	270	C30/37	30x50; G	0	No	No	No	3.75	250
T4	R 30x50	CC	6472	25	0	C30/37	30x50; G	0	No	No	No	3.75	249
T4	R 30x50	CC	8603	928	0	C30/37	30x50; G	0	No	No	No	3.75	258
T4	R 30x50	CC	9099	448	90	C30/37	30x50; G	0	No	No	No	3.75	255
T4	R 30x60	CC	9855	30	0	C30/37	30x60; G	0	No	No	No	4.5	122-123
T4	R 30x50	CC	7704	933	0	C30/37	30x50; G	0	No	No	No	3.75	23
T4	R 30x60	CC	7704	30	0	C30/37	30x60; G	0	No	No	No	4.5	24-25
T4	R 30x60	CC	7351	448	0	C30/37	30x60; G	0	No	No	No	4.5	26
T4	R 30x60	CC	7351	30	0	C30/37	30x60; G	0	No	No	No	4.5	27-28

Tr.	Sezione	P.i.	Punto		Ang.	Mat.	Car.lin.	Sovr.	S.Z	C.i.	C.f.	P.lin.	Corr.
			X	Y									
T4	R 30x60	CC	9855	448	0	C30/37	30x60; G	0	No	No	No	4.5	120
T4	R 30x60	CC	9502	30	0	C30/37	30x60; G	0	No	No	No	4.5	125-126
T4	R 30x60	CC	9502	448	0	C30/37	30x60; G	0	No	No	No	4.5	124
T4	R 30x60	CC	7704	448	0	C30/37	30x60; G	0	No	No	No	4.5	22
T5	R 30x30_1	CC	9099	463	90	C30/37	30x30; G	0	No	No	No	2.25	130
T5	R 30x30_1	CC	9099	285	90	C30/37	30x30; G	0	No	No	No	2.25	129
T5	R 30x30_1	CC	9099	798	90	C30/37	30x30; G	0	No	No	No	2.25	128
T5	R 30x30_1	CC	9502	15	0	C30/37	30x30; G	0	No	No	No	2.25	127
T5	R 30x50	CC	6472	25	0	C30/37	30x50; G	0	No	No	No	3.75	269
T5	R 30x30_1	CC	9855	798	90	C30/37	30x30; G	0	No	No	No	2.25	132
T5	R 30x30_1	CC	9502	463	90	C30/37	30x30; G	0	No	No	No	2.25	131
T5	R 30x50	CC	6472	938	0	C30/37	30x50; G	0	No	No	No	3.75	272
T5	R 30x50	CC	6948	948	270	C30/37	30x50; G	0	No	No	No	3.75	273
T5	R 30x50	CC	6948	448	270	C30/37	30x50; G	0	No	No	No	3.75	274
T5	R 30x50	CC	8603	448	0	C30/37	30x50; G	0	No	No	No	3.75	275
T5	R 30x50	CC	8603	928	0	C30/37	30x50; G	0	No	No	No	3.75	276
T5	R 30x50	CC	8603	35	0	C30/37	30x50; G	0	No	No	No	3.75	277
T5	R 30x50	CC	8107	948	90	C30/37	30x50; G	0	No	No	No	3.75	278
T5	R 30x50	CC	8107	448	90	C30/37	30x50; G	0	No	No	No	3.75	279
T5	R 30x50	CC	6948	15	270	C30/37	30x50; G	0	No	No	No	3.75	270
T5	R 30x50	CC	6472	448	0	C30/37	30x50; G	0	No	No	No	3.75	271
T5	R 30x50	CC	8107	15	90	C30/37	30x50; G	0	No	No	No	3.75	268
T5	R 30x30_1	CC	9855	463	90	C30/37	30x30; G	0	No	No	No	2.25	133
T5	R 30x50	CC	7704	933	0	C30/37	30x50; G	0	No	No	No	3.75	30
T5	R 30x60	CC	7704	30	0	C30/37	30x60; G	0	No	No	No	4.5	31-32
T5	R 30x60	CC	7351	448	0	C30/37	30x60; G	0	No	No	No	4.5	33
T5	R 30x60	CC	7351	30	0	C30/37	30x60; G	0	No	No	No	4.5	34-35
T5	R 30x60	CC	7704	448	0	C30/37	30x60; G	0	No	No	No	4.5	29
T5	R 30x30_1	CC	10075	798	90	C30/37	30x30; G	0	No	No	No	2.25	134
T5	R 30x30_1	CC	9855	15	0	C30/37	30x30; G	0	No	No	No	2.25	137
T5	R 30x30_1	CC	10075	463	90	C30/37	30x30; G	0	No	No	No	2.25	136
T5	R 30x30_1	CC	10075	285	90	C30/37	30x30; G	0	No	No	No	2.25	135
T6	R 30x50	CC	8603	928	0	C30/37	30x50; G	0	No	No	No	3.75	288
T6	R 30x50	CC	8603	448	0	C30/37	30x50; G	0	No	No	No	3.75	287
T6	R 30x50	CC	8107	948	90	C30/37	30x50; G	0	No	No	No	3.75	290
T6	R 30x50	CC	6948	948	270	C30/37	30x50; G	0	No	No	No	3.75	285
T6	R 30x50	CC	6472	938	0	C30/37	30x50; G	0	No	No	No	3.75	284
T6	R 30x50	CC	6472	448	0	C30/37	30x50; G	0	No	No	No	3.75	283
T6	R 30x50	CC	6948	15	270	C30/37	30x50; G	0	No	No	No	3.75	282
T6	R 30x50	CC	8107	448	90	C30/37	30x50; G	0	No	No	No	3.75	291
T6	R 30x50	CC	8603	35	0	C30/37	30x50; G	0	No	No	No	3.75	289
T6	R 30x50	CC	6948	448	270	C30/37	30x50; G	0	No	No	No	3.75	286
T6	R 30x50	CC	6472	25	0	C30/37	30x50; G	0	No	No	No	3.75	281
T6	R 30x60	CC	7704	448	0	C30/37	30x60; G	0	No	No	No	4.5	36
T6	R 30x50	CC	7704	933	0	C30/37	30x50; G	0	No	No	No	3.75	37
T6	R 30x60	CC	7704	30	0	C30/37	30x60; G	0	No	No	No	4.5	38-39
T6	R 30x60	CC	7351	448	0	C30/37	30x60; G	0	No	No	No	4.5	40
T6	R 30x60	CC	7351	30	0	C30/37	30x60; G	0	No	No	No	4.5	41-42
T6	R 30x50	CC	8107	15	90	C30/37	30x50; G	0	No	No	No	3.75	280
T7	R 30x30_1	CC	8363	285	90	C30/37	30x30; G	0	No	No	No	2.25	303
T7	R 30x30_1	CC	8363	798	90	C30/37	30x30; G	0	No	No	No	2.25	301
T7	R 30x30_1	CC	8107	285	90	C30/37	30x30; G	0	No	No	No	2.25	300
T7	R 30x30_1	CC	8107	463	90	C30/37	30x30; G	0	No	No	No	2.25	299
T7	R 30x30_1	CC	8107	798	90	C30/37	30x30; G	0	No	No	No	2.25	298
T7	R 30x30_1	CC	6948	463	90	C30/37	30x30; G	0	No	No	No	2.25	297
T7	R 30x30_1	CC	6948	285	90	C30/37	30x30; G	0	No	No	No	2.25	296
T7	R 30x30_1	CC	6472	463	90	C30/37	30x30; G	0	No	No	No	2.25	295
T7	R 30x30_1	CC	6948	798	90	C30/37	30x30; G	0	No	No	No	2.25	292
T7	R 30x30_1	CC	6472	798	90	C30/37	30x30; G	0	No	No	No	2.25	293
T7	R 30x30_1	CC	7704	798	90	C30/37	30x30; G	0	No	No	No	2.25	86
T7	R 30x30_1	CC	7351	15	0	C30/37	30x30; G	0	No	No	No	2.25	85
T7	R 30x30_1	CC	7704	15	0	C30/37	30x30; G	0	No	No	No	2.25	84
T7	R 30x30_1	CC	7704	463	90	C30/37	30x30; G	0	No	No	No	2.25	83
T7	R 30x30_1	CC	7351	463	90	C30/37	30x30; G	0	No	No	No	2.25	82
T7	R 30x30_1	CC	6472	285	90	C30/37	30x30; G	0	No	No	No	2.25	294
T7	R 30x30_1	CC	8363	463	90	C30/37	30x30; G	0	No	No	No	2.25	302

5.4.4 Piastre C.A.

5.4.4.1 Piastre C.A. di piano

***Livello**: quota di inserimento espressa con notazione breve esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Sp.**: spessore misurato in direzione ortogonale al piano medio dell'elemento. [cm]*
***Punti**: punti di definizione in pianta.*
***I.**: indice del punto corrente nell'insieme dei punti di definizione dell'elemento.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [cm]*
***Mat.**: riferimento ad una definizione di calcestruzzo.*
***Car.sup.**: riferimento alla definizione di un carico superficiale. Accetta anche il valore "Nessuno".*
***Car.pot.**: riferimento alla definizione di un carico potenziale. Accetta anche il valore "Nessuno".*
***DeltaT**: riferimento alla definizione di una variazione termica. Accetta anche il valore "Nessuno".*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***P.sup.**: peso per unità di superficie. [daN/cm²]*
***Fond.**: riferimento alla fondazione sottostante l'elemento.*
***Fori**: riferimenti a tutti gli elementi che forano la piastra.*

Livello	Sp.	Punti			Estr.	Mat.	Car.sup.	Car.pot.	DeltaT	Sovr.	S.Z	P.sup.	Fond.	Fori
		I.	X	Y										
L1	40	1	7356	768	0	C30/37			TERMICO	0	No	0.1		
		2	7526	768										
		3	7526	973										
		4	7356	973										

Livello	Sp.	Punti			Estr.	Mat.	Car.sup.	Car.pot.	DeltaT	Sovr.	S.Z	P.sup.	Fond.	Fori
		I.	X	Y										
L1	40	1	9507	768	0	C30/37			TERMICO	0	No	0.1		
		2	9677	768										
		3	9677	973										
		4	9507	973										
L2	65	1	11175.5	1143	0	C30/37			TERMICO	0	No	0.1625		H1, H2
		2	6457	1143										
		3	6457	-120										
		4	11175.5	-120										
L3	20	1	9840	30	0	C30/37	Scale		TERMICO	0	No	0.05		
		2	9840	160										
		3	9517	160										
		4	9517	30										
L3	20	1	7689	30	0	C30/37	Scale		TERMICO	0	No	0.05		
		2	7689	160										
		3	7366	160										
		4	7366	30										
L4	20	1	6523	0	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	6523	-215										
		3	6846	-215										
		4	6846	0										
L4	20	1	7366	983	0	C30/37	Interni		TERMICO	0	No	0.05		
		2	7366	1083										
		3	6948	1083										
		4	6948	963										
		5	6457	963										
		6	6457	0										
		7	7366	0										
L4	20	1	6948	1098	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	6457	1098										
		3	6457	963										
		4	6948	963										
L4	20	1	8107	1098	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	8107	963										
		3	9099	963										
		4	9099	1098										
L4	20	1	7689	0	0	C30/37	Interni		TERMICO	0	No	0.05		
		2	9517	0										
		3	9517	1083										
		4	9099	1083										
		5	9099	963										
		6	8107	963										
		7	8107	1083										
		8	7689	1083										
L4	20	1	9895	0	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	9895	-130										
		3	10218	-130										
		4	10218	0										
L4	20	1	9840	1098	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	9840	963										
		3	10761.5	963										
		4	10707	1098										
L4	20	1	9840	0	0	C30/37	Interni		TERMICO	0	No	0.05		
		2	10751.5	0										
		3	10751.5	72.5										
		4	10751.5	413										
		5	10983.4	413										
		6	10794.8	880.5										
		7	10761.5	963										
		8	9840	963										
L4	20	1	10751.5	413	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	10751.5	72.5										
		3	11135.5	72.5										
		4	11135.5	880.5										
		5	10794.8	880.5										
		6	10983.4	413										
L4	20	1	9517	373	0	C30/37	Scale		TERMICO	0	No	0.05		
		2	9840	373										
		3	9840	983										
		4	9677	983										
		5	9677	788										
		6	9517	788										
L4	20	1	9157	0	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	9157	-215										
		3	9477	-215										
		4	9477	0										
L4	20	1	7366	373	0	C30/37	Scale		TERMICO	0	No	0.05		
		2	7689	373										
		3	7689	983										
		4	7526	983										
		5	7526	788										
		6	7366	788										
L4	20	1	7744	0	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	7744	-215										
		3	8067	-215										
		4	8067	0										
L5	20	1	7689	30	0	C30/37	Scale		TERMICO	0	No	0.05		
		2	7689	160										
		3	7366	160										
		4	7366	30										
L5	20	1	9840	30	0	C30/37	Scale		TERMICO	0	No	0.05		
		2	9840	160										
		3	9517	160										
		4	9517	30										
L6	20	1	9840	1098	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	9840	963										
		3	10761.5	963										
		4	10707	1098										
L6	20	1	10751.5	413	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	10751.5	72.5										

Livello	Sp.	Punti			Estr.	Mat.	Car.sup.	Car.pot.	DeltaT	Sovr.	S.Z	P.sup.	Fond.	Fori
		I.	X	Y										
		3	11135.5	72.5										
		4	11135.5	880.5										
		5	10794.8	880.5										
		6	10983.4	413										
L6	20	1	6948	1098	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	6457	1098										
		3	6457	963										
		4	6948	963										
L6	20	1	7366	983	0	C30/37	Interni		TERMICO	0	No	0.05		
		2	7366	1083										
		3	6948	1083										
		4	6948	963										
		5	6457	963										
		6	6457	0										
		7	7366	0										
L6	20	1	7003	0	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	7003	-215										
		3	7326	-215										
		4	7326	0										
L6	20	1	7744	0	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	7744	-215										
		3	8067	-215										
		4	8067	0										
L6	20	1	8107	1098	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	8107	963										
		3	9099	963										
		4	9099	1098										
L6	20	1	7689	0	0	C30/37	Interni		TERMICO	0	No	0.05		
		2	9517	0										
		3	9517	1083										
		4	9099	1083										
		5	9099	963										
		6	8107	963										
		7	8107	1083										
		8	7689	1083										
L6	20	1	8714	0	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	8714	-215										
		3	9037	-215										
		4	9037	0										
L6	20	1	9840	0	0	C30/37	Interni		TERMICO	0	No	0.05		
		2	10751.5	0										
		3	10751.5	72.5										
		4	10751.5	413										
		5	10983.4	413										
		6	10794.8	880.5										
		7	10761.5	963										
		8	9840	963										
L6	20	1	10397	0	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	10397	-215										
		3	10720	-215										
		4	10720	0										
L6	20	1	9517	373	0	C30/37	Scale		TERMICO	0	No	0.05		
		2	9840	373										
		3	9840	983										
		4	9677	983										
		5	9677	788										
		6	9517	788										
L6	20	1	7366	373	0	C30/37	Scale		TERMICO	0	No	0.05		
		2	7689	373										
		3	7689	983										
		4	7526	983										
		5	7526	788										
		6	7366	788										
L7	20	1	9840	30	0	C30/37	Scale		TERMICO	0	No	0.05		
		2	9840	160										
		3	9517	160										
		4	9517	30										
L7	20	1	7689	30	0	C30/37	Scale		TERMICO	0	No	0.05		
		2	7689	160										
		3	7366	160										
		4	7366	30										
L8	20	1	9157	0	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	9157	-215										
		3	9477	-215										
		4	9477	0										
L8	20	1	7689	0	0	C30/37	Interni		TERMICO	0	No	0.05		
		2	9517	0										
		3	9517	1083										
		4	9099	1083										
		5	9099	963										
		6	8107	963										
		7	8107	1083										
		8	7689	1083										
L8	20	1	8107	1098	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	8107	963										
		3	9099	963										
		4	9099	1098										
L8	20	1	7003	0	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	7003	-215										
		3	7326	-215										
		4	7326	0										
L8	20	1	7366	983	0	C30/37	Interni		TERMICO	0	No	0.05		
		2	7366	1083										
		3	6948	1083										
		4	6948	963										
		5	6457	963										
		6	6457	0										
		7	7366	0										
L8	20	1	6948	1098	0	C30/37	Balconi		TERMICO	0	No	0.05		

Livello	Sp.	Punti			Estr.	Mat.	Car.sup.	Car.pot.	DeltaT	Sovr.	S.Z	P.sup.	Fond.	Fori
		I.	X	Y										
		2	6457	1098										
		3	6457	963										
		4	6948	963										
L8	20	1	10397	0	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	10397	-215										
		3	10720	-215										
		4	10720	0										
L8	20	1	10751.5	413	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	10751.5	72.5										
		3	11135.5	72.5										
		4	11135.5	880.5										
		5	10794.8	880.5										
		6	10983.4	413										
L8	20	1	9840	0	0	C30/37	Interni		TERMICO	0	No	0.05		
		2	10751.5	0										
		3	10751.5	72.5										
		4	10751.5	413										
		5	10983.4	413										
		6	10794.8	880.5										
		7	10761.5	963										
		8	9840	963										
L8	20	1	9840	1098	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	9840	963										
		3	10761.5	963										
		4	10707	1098										
L8	20	1	7744	0	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	7744	-215										
		3	8067	-215										
		4	8067	0										
L8	20	1	7366	373	0	C30/37	Scale		TERMICO	0	No	0.05		
		2	7689	373										
		3	7689	983										
		4	7526	983										
		5	7526	788										
		6	7366	788										
L8	20	1	9517	373	0	C30/37	Scale		TERMICO	0	No	0.05		
		2	9840	373										
		3	9840	983										
		4	9677	983										
		5	9677	788										
		6	9517	788										
L9	20	1	7689	30	0	C30/37	Scale		TERMICO	0	No	0.05		
		2	7689	160										
		3	7366	160										
		4	7366	30										
L9	20	1	9840	30	0	C30/37	Scale		TERMICO	0	No	0.05		
		2	9840	160										
		3	9517	160										
		4	9517	30										
L10	20	1	7366	373	0	C30/37	Scale		TERMICO	0	No	0.05		
		2	7689	373										
		3	7689	983										
		4	7526	983										
		5	7526	788										
		6	7366	788										
L10	20	1	8603	0	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	9517	0										
		3	9517	1083										
		4	9099	1083										
		5	9099	963										
		6	8603	963										
L10	20	1	7744	0	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	7744	-215										
		3	8067	-215										
		4	8067	0										
L10	20	1	7689	0	0	C30/37	Interni		TERMICO	0	No	0.05		
		2	8603	0										
		3	8603	963										
		4	8107	963										
		5	8107	1083										
		6	7689	1083										
L10	20	1	8107	1098	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	8107	963										
		3	9099	963										
		4	9099	1098										
L10	20	1	6948	1098	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	6457	1098										
		3	6457	963										
		4	6948	963										
L10	20	1	10751.5	413	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	10751.5	72.5										
		3	11135.5	72.5										
		4	10983.4	413										
L10	20	1	9840	0	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	10751.5	0										
		3	10751.5	72.5										
		4	10751.5	413										
		5	10983.4	413										
		6	10794.8	880.5										
		7	10761.5	963										
		8	9840	963										
L10	20	1	7366	983	0	C30/37	Interni		TERMICO	0	No	0.05		
		2	7366	1083										
		3	6948	1083										
		4	6948	963										
		5	6457	963										
		6	6457	0										
		7	7366	0										
L10	20	1	9517	373	0	C30/37	Scale		TERMICO	0	No	0.05		

Livello	Sp.	Punti			Estr.	Mat.	Car.sup.	Car.pot.	DeltaT	Sovr.	S.Z	P.sup.	Fond.	Fori
		I.	X	Y										
		2	9840	373										
		3	9840	983										
		4	9677	983										
		5	9677	788										
		6	9517	788										
L10	20	1	9840	1098	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	9840	963										
		3	10761.5	963										
		4	10707	1098										
L11	20	1	7689	30	0	C30/37	Scale		TERMICO	0	No	0.05		
		2	7689	160										
		3	7366	160										
		4	7366	30										
L12	20	1	9840	813	0	C30/37	Copertura cantine		TERMICO	0	No	0.05		
		2	9840	270										
		3	10090	270										
		4	10090	813										
L12	20	1	8244	0	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	8244	-215										
		3	8567	-215										
		4	8567	0										
L12	20	1	6523	0	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	6523	-215										
		3	6846	-215										
		4	6846	0										
L12	20	1	7689	0	0	C30/37	Interni		TERMICO	0	No	0.05		
		2	8603	0										
		3	8603	963										
		4	8107	963										
		5	8107	1083										
		6	7689	1083										
L12	20	1	8107	1098	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	8107	963										
		3	8603	963										
		4	8603	1098										
L12	20	1	7366	983	0	C30/37	Interni		TERMICO	0	No	0.05		
		2	7366	1083										
		3	6948	1083										
		4	6948	963										
		5	6457	963										
		6	6457	0										
		7	7366	0										
L12	20	1	7366	373	0	C30/37	Scale		TERMICO	0	No	0.05		
		2	7689	373										
		3	7689	983										
		4	7526	983										
		5	7526	788										
		6	7366	788										
L12	20	1	8618	813	0	C30/37	Copertura cantine		TERMICO	0	No	0.05		
		2	8618	270										
		3	9517	270										
		4	9517	813										
L12	20	1	6948	1098	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	6457	1098										
		3	6457	963										
		4	6948	963										
L13	20	1	7689	30	0	C30/37	Scale		TERMICO	0	No	0.05		
		2	7689	160										
		3	7366	160										
		4	7366	30										
L14	20	1	7366	373	0	C30/37	Scale		TERMICO	0	No	0.05		
		2	7689	373										
		3	7689	983										
		4	7526	983										
		5	7526	788										
		6	7366	788										
L14	20	1	6948	1098	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	6457	1098										
		3	6457	963										
		4	6948	963										
L14	20	1	7366	983	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	7366	1083										
		3	6948	1083										
		4	6948	963										
		5	6457	963										
		6	6457	0										
		7	7366	0										
L14	20	1	8107	1098	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	8107	963										
		3	8618	963										
		4	8618	1098										
L14	20	1	7689	0	0	C30/37	Balconi		TERMICO	0	No	0.05		
		2	8618	0										
		3	8618	963										
		4	8107	963										
		5	8107	1083										
		6	7689	1083										
L16	20	1	6457	813	0	C30/37	Copertura cantine		TERMICO	0	No	0.05		
		2	6457	270										
		3	7366	270										
		4	7366	813										
L16	20	1	7689	813	0	C30/37	Copertura cantine		TERMICO	0	No	0.05		
		2	7689	270										
		3	8378	270										
		4	8378	813										

5.4.5 Fondazioni di piastre

***Descrizione breve**: descrizione breve usata nelle tabelle dei capitoli delle piastre di fondazione.*
***Stratigrafia**: stratigrafia del terreno nel punto medio in pianta dell'elemento.*
***Sondaggio**: è possibile indicare esplicitamente un sondaggio definito nelle preferenze oppure richiedere di estrapolare il sondaggio dalla definizione del sito espressa nelle preferenze.*
***Estradosso**: distanza dalla quota superiore del sondaggio misurata in verticale con verso positivo verso l'alto. [cm]*
***Deformazione volumetrica**: valore della deformazione volumetrica impiegato nel calcolo della pressione limite a rottura con la formula di Vesic. Il valore è adimensionale. Accetta anche il valore di default espresso nelle preferenze.*
***Angolo pendio**: angolo del pendio rispetto l'orizzontale; il valore deve essere positivo per opere in sommità di un pendio mentre deve essere negativo per opere al piede di un pendio. [deg]*
***K verticale**: coefficiente di sottofondo verticale del letto di molle. [daN/cm³]*
***Limite compressione**: pressione limite di plasticizzazione a compressione del letto di molle. [daN/cm²]*
***Limite trazione**: pressione limite di plasticizzazione a trazione del letto di molle. [daN/cm²]*

Descrizione breve	Stratigrafia			Angolo pendio	K verticale	Limite compressione	Limite trazione
	Sondaggio	Estradosso	Deformazione volumetrica				
FS1	Piu' vicino in sito	0		0	1	10	0.001

5.4.6 Pareti C.A.

***Tr.**: riferimento al tronco indicante la quota inferiore e superiore.*
***Sp.**: spessore misurato in direzione ortogonale al piano medio dell'elemento. [cm]*
***P.i.**: posizione del punto di inserimento rispetto ad una sezione verticale, vista dal punto iniziale verso il punto finale.*
***Punto i.**: punto iniziale in pianta.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Punto f.**: punto finale in pianta.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Mat.**: riferimento ad una definizione di calcestruzzo.*
***Car.pot.**: riferimento alla definizione di un carico potenziale. Accetta anche il valore "Nessuno".*
***DeltaT**: riferimento alla definizione di una variazione termica. Accetta anche il valore "Nessuno".*
***Sovr.**: aliquota di sovraresistenza da assicurare in verifica.*
***S.Z**: indica se l'elemento deve essere verificato considerando il sisma verticale.*
***Aperture**: Riferimenti a tutti gli elementi che forano la parete.*

Tr.	Sp.	P.i.	Punto i.		Punto f.		Mat.	Car.pot.	DeltaT	Sovr.	S.Z	Aperture
			X	Y	X	Y						
T11	20	Centro	7356	768	7356	973	C30/37		TERMICO	0	No	
T11	20	Centro	7356	973	7526	973	C30/37		TERMICO	0	No	
T11	20	Centro	7526	973	7526	768	C30/37		TERMICO	0	No	
T11	20	Centro	7356	768	7526	768	C30/37		TERMICO	0	No	
T11	20	Centro	9507	768	9507	973	C30/37		TERMICO	0	No	
T11	20	Centro	9507	973	9677	973	C30/37		TERMICO	0	No	
T11	20	Centro	9677	973	9677	768	C30/37		TERMICO	0	No	
T11	20	Centro	9507	768	9677	768	C30/37		TERMICO	0	No	
T1	30	Centro	11108.8	102	11150	0	C30/37		TERMICO	0	No	
T1	30	Centro	10959.2	473	11000.3	371	C30/37		TERMICO	0	No	
T1	30	Centro	10707	1098	10772.1	936.7	C30/37		TERMICO	0	No	
T1	20	Centro	9507	768	9507	973	C30/37		TERMICO	0	No	
T1	20	Centro	9677	973	9677	768	C30/37		TERMICO	0	No	
T1	20	Centro	9507	973	9677	973	C30/37		TERMICO	0	No	
T1	20	Centro	7526	973	7526	768	C30/37		TERMICO	0	No	
T1	20	Centro	7356	973	7526	973	C30/37		TERMICO	0	No	
T1	20	Centro	7356	768	7356	973	C30/37		TERMICO	0	No	
T2	20	Centro	7356	973	7526	973	C30/37		TERMICO	0	No	
T2	20	Centro	9677	973	9677	768	C30/37		TERMICO	0	No	
T2	20	Centro	7356	768	7356	973	C30/37		TERMICO	0	No	
T2	20	Centro	9507	973	9677	973	C30/37		TERMICO	0	No	
T2	20	Centro	9507	768	9507	973	C30/37		TERMICO	0	No	
T2	30	Centro	10707	1098	10772.1	936.7	C30/37		TERMICO	0	No	
T2	30	Centro	10959.2	473	11000.3	371	C30/37		TERMICO	0	No	
T2	30	Centro	11108.8	102	11150	0	C30/37		TERMICO	0	No	
T2	20	Centro	7526	973	7526	768	C30/37		TERMICO	0	No	
T3	20	Centro	9507	973	9677	973	C30/37		TERMICO	0	No	
T3	20	Centro	9507	768	9507	973	C30/37		TERMICO	0	No	
T3	20	Centro	9677	973	9677	768	C30/37		TERMICO	0	No	
T3	30	Centro	10707	1098	10772.1	936.7	C30/37		TERMICO	0	No	
T3	30	Centro	10959.2	473	11000.3	371	C30/37		TERMICO	0	No	
T3	20	Centro	7526	973	7526	768	C30/37		TERMICO	0	No	
T3	20	Centro	7356	973	7526	973	C30/37		TERMICO	0	No	
T3	20	Centro	7356	768	7356	973	C30/37		TERMICO	0	No	
T3	30	Centro	11108.8	102	11150	0	C30/37		TERMICO	0	No	
T4	30	Centro	11108.8	102	11150	0	C30/37		TERMICO	0	No	
T4	20	Centro	9677	973	9677	768	C30/37		TERMICO	0	No	
T4	30	Centro	10707	1098	10772.1	936.7	C30/37		TERMICO	0	No	
T4	20	Centro	9507	768	9507	973	C30/37		TERMICO	0	No	
T4	20	Centro	7356	768	7356	973	C30/37		TERMICO	0	No	
T4	30	Centro	10959.2	473	11000.3	371	C30/37		TERMICO	0	No	
T4	20	Centro	7356	973	7526	973	C30/37		TERMICO	0	No	
T4	20	Centro	7526	973	7526	768	C30/37		TERMICO	0	No	
T4	20	Centro	9507	973	9677	973	C30/37		TERMICO	0	No	
T5	20	Centro	9507	768	9507	973	C30/37		TERMICO	0	No	
T5	20	Centro	9507	973	9677	973	C30/37		TERMICO	0	No	
T5	20	Centro	9677	973	9677	768	C30/37		TERMICO	0	No	
T5	20	Centro	7356	768	7356	973	C30/37		TERMICO	0	No	
T5	20	Centro	7526	973	7526	768	C30/37		TERMICO	0	No	
T5	20	Centro	7356	973	7526	973	C30/37		TERMICO	0	No	
T6	20	Centro	7356	973	7526	973	C30/37		TERMICO	0	No	
T6	20	Centro	7526	973	7526	768	C30/37		TERMICO	0	No	

Tr.	Sp.	P.i.	Punto i.		Punto f.		Mat.	Car.pot.	DeltaT	Sovr.	S.Z	Aperture
			X	Y	X	Y						
T6	20	Centro	7356	768	7356	973	C30/37		TERMICO	0	No	
T7	20	Centro	7356	768	7356	973	C30/37		TERMICO	0	No	
T7	20	Centro	7526	973	7526	768	C30/37		TERMICO	0	No	
T7	20	Centro	7356	973	7526	973	C30/37		TERMICO	0	No	

5.4.7 Carichi lineari

5.4.7.1 Carichi lineari di piano

***Carico**: riferimento alla definizione di un carico lineare.*
***Livello**: quota del punto di inserimento iniziale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Punto i.**: punto di inserimento iniziale.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Punto f.**: punto di inserimento finale.*
***X**: coordinata X. [cm]*
***Y**: coordinata Y. [cm]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [cm]*

Carico	Livello	Punto i.		Punto f.		Estr.
		X	Y	X	Y	
muri	Piano 1	7356	973	7356	1083	0
muri	Piano 1	9502	483	9502	768	0
muri	Piano 1	10751.5	433	10959.1	433	0
muri	Piano 1	9870	948	10228	948	0
muri	Piano 1	10203	-130	10203	0	0
muri	Piano 1	10959.2	473	10772.1	936.7	0
muri	Piano 1	10736.5	70	10736.5	413	0
muri	Piano 1	9870	15	10223	15	0
muri	Piano 1	10293	15	10721.5	15	0
muri	Piano 1	10293	948	10721.5	948	0
muri	Piano 1	8603	483	8603	893	0
muri	Piano 1	8603	70	8603	413	0
muri	Piano 1	8052	-215	8052	0	0
muri	Piano 1	7719	15	8072	15	0
muri	Piano 1	8142	15	8588	15	0
muri	Piano 1	8618	15	9064	15	0
muri	Piano 1	9134	15	9487	15	0
muri	Piano 1	9462	-215	9462	0	0
muri	Piano 1	6948	963	6948	1083	0
muri	Piano 1	7351	1083	6948	1083	0
muri	Piano 1	6913	948	6487	948	0
muri	Piano 1	6472	483	6472	893	0
muri	Piano 1	6472	70	6472	413	0
muri	Piano 1	6913	15	6487	15	0
muri	Piano 1	7336	15	6983	15	0
muri	Piano 1	6538	-215	6538	0	0
muri	Piano 1	7704	1083	8107	1083	0
muri	Piano 1	8107	963	8107	1083	0
muri	Piano 1	8142	948	8588	948	0
muri	Piano 1	8618	948	9064	948	0
muri	Piano 1	9855	483	9855	893	0
muri	Piano 1	9099	963	9099	1083	0
muri	Piano 1	9502	70	9502	413	0
muri	Piano 1	9855	963	9855	1083	0
muri	Piano 1	7704	963	7704	1083	0
muri	Piano 1	7704	70	7704	413	0
muri	Piano 1	7351	70	7351	413	0
muri	Piano 1	7351	483	7351	768	0
muri	Piano 1	7704	483	7704	893	0
muri	Piano 1	9855	70	9855	413	0
muri	Piano 1	9099	1083	9507	1083	0
muri	Piano 1	9507	973	9507	1083	0
muri	Piano 2	10751.5	433	10959.1	433	0
muri	Piano 2	9870	15	10223	15	0
muri	Piano 2	10293	15	10721.5	15	0
muri	Piano 2	10293	948	10721.5	948	0
muri	Piano 2	10736.5	70	10736.5	413	0
muri	Piano 2	8142	15	8588	15	0
muri	Piano 2	9022	-215	9022	0	0
muri	Piano 2	7311	-215	7311	0	0
muri	Piano 2	8052	-215	8052	0	0
muri	Piano 2	8603	483	8603	893	0
muri	Piano 2	8603	70	8603	413	0
muri	Piano 2	9870	948	10228	948	0
muri	Piano 2	7719	15	8072	15	0
muri	Piano 2	9134	15	9487	15	0
muri	Piano 2	9099	1083	9507	1083	0
muri	Piano 2	10959.2	473	10772.1	936.7	0
muri	Piano 2	8142	948	8588	948	0
muri	Piano 2	7704	1083	8107	1083	0
muri	Piano 2	7336	15	6983	15	0
muri	Piano 2	6913	15	6487	15	0
muri	Piano 2	6472	483	6472	893	0
muri	Piano 2	6913	948	6487	948	0
muri	Piano 2	7351	1083	6948	1083	0
muri	Piano 2	10705	-215	10705	0	0
muri	Piano 2	8618	15	9064	15	0
muri	Piano 2	8618	948	9064	948	0
muri	Piano 2	6472	70	6472	413	0
muri	Piano 2	7351	70	7351	413	0
muri	Piano 2	7704	483	7704	893	0
muri	Piano 2	7704	70	7704	413	0
muri	Piano 2	7704	963	7704	1083	0
muri	Piano 2	7356	973	7356	1083	0
muri	Piano 2	7351	483	7351	768	0

Carico	Livello	Punto i.		Punto f.		Estr.
		X	Y	X	Y	
muri	Piano 2	9507	973	9507	1083	0
muri	Piano 2	9855	963	9855	1083	0
muri	Piano 2	9855	70	9855	413	0
muri	Piano 2	9502	483	9502	768	0
muri	Piano 2	9855	483	9855	893	0
muri	Piano 2	9502	70	9502	413	0
muri	Piano 3	10705	-215	10705	0	0
muri	Piano 3	10751.5	433	10959.1	433	0
muri	Piano 3	9870	948	10228	948	0
muri	Piano 3	10959.2	473	10772.1	936.7	0
muri	Piano 3	10736.5	70	10736.5	413	0
muri	Piano 3	9870	15	10223	15	0
muri	Piano 3	10293	15	10721.5	15	0
muri	Piano 3	10293	948	10721.5	948	0
muri	Piano 3	7351	1083	6948	1083	0
muri	Piano 3	6913	948	6487	948	0
muri	Piano 3	7336	15	6983	15	0
muri	Piano 3	6472	70	6472	413	0
muri	Piano 3	6913	15	6487	15	0
muri	Piano 3	7704	1083	8107	1083	0
muri	Piano 3	8142	948	8588	948	0
muri	Piano 3	8618	948	9064	948	0
muri	Piano 3	9099	1083	9507	1083	0
muri	Piano 3	8618	15	9064	15	0
muri	Piano 3	7719	15	8072	15	0
muri	Piano 3	8603	70	8603	413	0
muri	Piano 3	8603	483	8603	893	0
muri	Piano 3	8052	-215	8052	0	0
muri	Piano 3	7311	-215	7311	0	0
muri	Piano 3	8142	15	8588	15	0
muri	Piano 3	9462	-215	9462	0	0
muri	Piano 3	6472	483	6472	893	0
muri	Piano 3	9134	15	9487	15	0
muri	Piano 3	7356	973	7356	1083	0
muri	Piano 3	7704	963	7704	1083	0
muri	Piano 3	9855	70	9855	413	0
muri	Piano 3	9502	70	9502	413	0
muri	Piano 3	9855	483	9855	893	0
muri	Piano 3	9502	483	9502	768	0
muri	Piano 3	9855	963	9855	1083	0
muri	Piano 3	9507	973	9507	1083	0
muri	Piano 3	7704	483	7704	893	0
muri	Piano 3	7351	483	7351	768	0
muri	Piano 3	7351	70	7351	413	0
muri	Piano 3	7704	70	7704	413	0
muri	Piano 4	8142	15	8588	15	0
muri	Piano 4	9870	15	10223	15	0
muri	Piano 4	8603	70	8603	413	0
muri	Piano 4	9870	948	10228	948	0
muri	Piano 4	8052	-215	8052	0	0
muri	Piano 4	8603	483	8603	893	0
muri	Piano 4	9134	15	9487	15	0
muri	Piano 4	8618	15	9064	15	0
muri	Piano 4	10293	15	10721.5	15	0
muri	Piano 4	9099	1083	9507	1083	0
muri	Piano 4	8618	948	9064	948	0
muri	Piano 4	8142	948	8588	948	0
muri	Piano 4	7704	1083	8107	1083	0
muri	Piano 4	7336	15	6983	15	0
muri	Piano 4	6913	15	6487	15	0
muri	Piano 4	6472	70	6472	413	0
muri	Piano 4	6472	483	6472	893	0
muri	Piano 4	6913	948	6487	948	0
muri	Piano 4	7351	1083	6948	1083	0
muri	Piano 4	7719	15	8072	15	0
muri	Piano 4	10293	948	10721.5	948	0
muri	Piano 4	9134	270	9487	270	0
muri	Piano 4	9855	963	9855	1083	0
muri	Piano 4	9502	483	9502	768	0
muri	Piano 4	8618	270	9064	270	0
muri	Piano 4	9502	270	9502	413	0
muri	Piano 4	8618	813	9064	813	0
muri	Piano 4	7704	483	7704	893	0
muri	Piano 4	7351	483	7351	768	0
muri	Piano 4	9855	483	9855	893	0
muri	Piano 4	7704	70	7704	413	0
muri	Piano 4	7704	963	7704	1083	0
muri	Piano 4	7356	973	7356	1083	0
muri	Piano 4	9134	813	9487	813	0
muri	Piano 4	9855	70	9855	413	0
muri	Piano 4	7351	70	7351	413	0
muri	Piano 5	8552	-215	8552	0	0
muri	Piano 5	6538	-215	6538	0	0
muri	Piano 5	7336	15	6983	15	0
muri	Piano 5	8603	483	8603	893	0
muri	Piano 5	8603	70	8603	413	0
muri	Piano 5	7719	15	8072	15	0
muri	Piano 5	8142	948	8588	948	0
muri	Piano 5	7704	1083	8107	1083	0
muri	Piano 5	8142	15	8588	15	0
muri	Piano 5	6913	15	6487	15	0
muri	Piano 5	6472	483	6472	893	0
muri	Piano 5	6913	948	6487	948	0
muri	Piano 5	7351	1083	6948	1083	0
muri	Piano 5	7704	483	7704	893	0
muri	Piano 5	7351	483	7351	768	0
muri	Piano 5	7351	70	7351	413	0
muri	Piano 5	7704	70	7704	413	0
muri	Piano 5	7704	963	7704	1083	0

Carico	Livello	Punto i.		Punto f.		Estr.
		X	Y	X	Y	
muri	Piano 5	7356	973	7356	1083	0
muri	Piano 5	6472	70	6472	413	0
muri	Piano 6	8603	70	8603	413	0
muri	Piano 6	7719	15	8072	15	0
muri	Piano 6	8142	948	8588	948	0
muri	Piano 6	7336	15	6983	15	0
muri	Piano 6	6913	15	6487	15	0
muri	Piano 6	6472	70	6472	413	0
muri	Piano 6	7351	483	7351	768	0
muri	Piano 6	6913	948	6487	948	0
muri	Piano 6	7351	1083	6948	1083	0
muri	Piano 6	7704	483	7704	893	0
muri	Piano 6	7351	70	7351	413	0
muri	Piano 6	7704	70	7704	413	0
muri	Piano 6	8603	483	8603	893	0
muri	Piano 6	6472	483	6472	893	0
muri	Piano 6	8142	15	8588	15	0

5.4.8 Carichi superficiali

5.4.8.1 Carichi superficiali di piano

***Carico**: riferimento alla definizione di un carico di superficie.*
***Solaio**: caratteristiche dell'eventuale solaio.*
***Liv.**: quota di inserimento espressa con notazione breve esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Punti**: punti di definizione in pianta.*
* ***Indice**: indice del punto corrente nell'insieme dei punti di definizione dell'elemento.*
* ***X**: coordinata X. [cm]*
* ***Y**: coordinata Y. [cm]*
***Estr.**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [cm]*
***Angolo**: direzione delle nervature che trasmettono il carico.Angolo misurato dal semiasse positivo delle ascisse in verso antiorario. [deg]*
***Comp.**: descrizione sintetica del comportamento del carico superficiale o, nel caso di comportamento membranale, riferimento alla decrizione analitica della membrana.*
***Fori**: riferimenti a tutti gli elementi che forano il carico superficiale.*

Carico	Solaio	Liv.	Punti			Estr.	Angolo	Comp.	Fori
			Indice	X	Y				
Copertura scale		L12	1	9517	813	0	270		
			2	9517	0				
			3	9840	0				
			4	9840	813				
Copertura scale		L16	1	7366	813	0	270		
			2	7366	0				
			3	7689	0				
			4	7689	813				

5.4.9 Fori su piastre e carichi superficiali

5.4.9.1 Fori di piano

***Desc.**: descrizione breve del foro utilizzata dagli elementi forabili come piastre e carichi superficiali.*
***Quota**: quota di inserimento esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Livello**: quota di inserimento espressa con notazione breve esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Estradosso**: distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [cm]*
***Spessore**: spessore misurato in direzione ortogonale al piano medio dell'elemento. [cm]*
***Punti**: punti di definizione in pianta.*
* ***Indice**: indice del punto corrente nell'insieme dei punti di definizione dell'elemento.*
* ***X**: coordinata X. [cm]*
* ***Y**: coordinata Y. [cm]*
***Serramento**: considera la presenza di un serramento, ai fini della trasmissione del vento agente sull'elemento forato.*

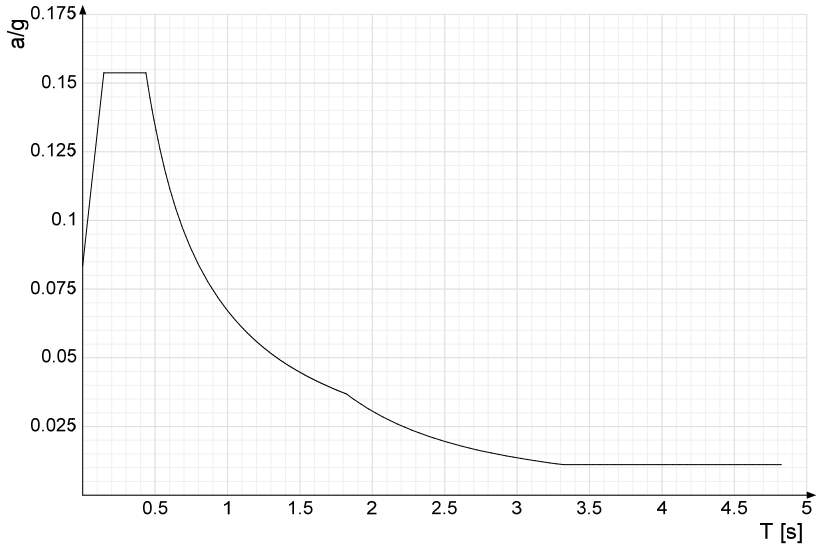
Desc.	Quota	Livello	Estradosso	Spessore	Punti			Serramento
					Indice	X	Y	
H1	Fondazione	L2	0	60	1	7366	778	Si
					2	7516	778	
					3	7516	963	
					4	7366	963	
H2	Fondazione	L2	0	65	1	9517	778	Si
					2	9667	778	
					3	9667	963	
					4	9517	963	

6 Dati di modellazione

6.1 Accelerazioni alla base

***Ind.vertice**: Indice del valore.*
***T**: Periodo di vibrazione. [s]*
***a/g**: Accelerazione spettrale normalizzata ottenuta dividendo l'accelerazione spettrale per l'accelerazione di gravità. Il valore è adimensionale.*

Sisma X SLV

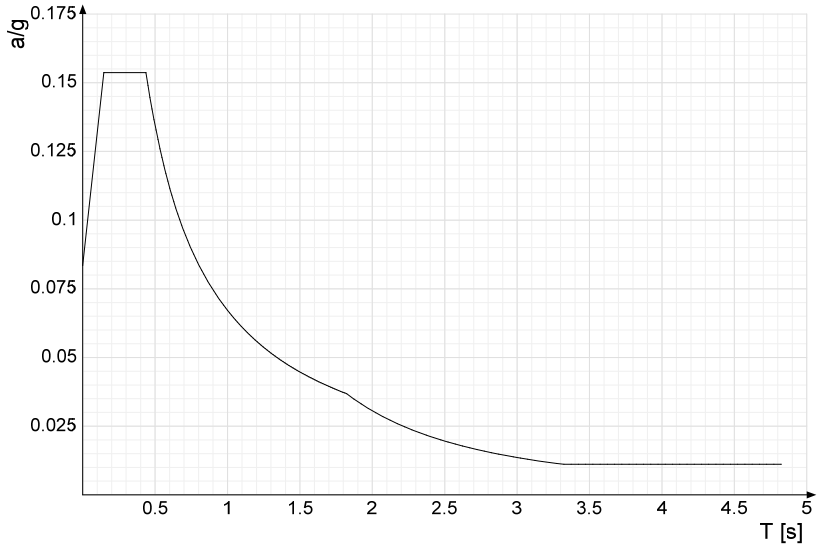


Ind.vertice	T	a/g
1	0	0.084
2	0.146	0.154
3	0.437	0.154
4	0.45	0.149
5	0.464	0.145
6	0.478	0.14
7	0.492	0.137
8	0.505	0.133
9	0.519	0.129
10	0.533	0.126
11	0.547	0.123
12	0.56	0.12
13	0.574	0.117
14	0.588	0.114
15	0.601	0.112
16	0.615	0.109
17	0.629	0.107
18	0.643	0.104
19	0.656	0.102
20	0.67	0.1
21	0.684	0.098
22	0.697	0.096
23	0.711	0.094
24	0.725	0.093
25	0.739	0.091
26	0.752	0.089
27	0.766	0.088
28	0.78	0.086
29	0.794	0.085
30	0.807	0.083
31	0.821	0.082
32	0.835	0.08
33	0.848	0.079
34	0.862	0.078
35	0.876	0.077
36	0.89	0.075
37	0.903	0.074
38	0.917	0.073
39	0.931	0.072
40	0.945	0.071
41	0.958	0.07
42	0.972	0.069
43	0.986	0.068
44	0.999	0.067
45	1.013	0.066
46	1.027	0.065
47	1.041	0.065
48	1.054	0.064
49	1.068	0.063
50	1.082	0.062
51	1.095	0.061
52	1.109	0.061
53	1.123	0.06

Ind.vertice	T	a/g
54	1.137	0.059
55	1.15	0.058
56	1.164	0.058
57	1.178	0.057
58	1.192	0.056
59	1.205	0.056
60	1.219	0.055
61	1.233	0.054
62	1.246	0.054
63	1.26	0.053
64	1.274	0.053
65	1.288	0.052
66	1.301	0.052
67	1.315	0.051
68	1.329	0.051
69	1.343	0.05
70	1.356	0.049
71	1.37	0.049
72	1.384	0.049
73	1.397	0.048
74	1.411	0.048
75	1.425	0.047
76	1.439	0.047
77	1.452	0.046
78	1.466	0.046
79	1.48	0.045
80	1.493	0.045
81	1.507	0.045
82	1.521	0.044
83	1.535	0.044
84	1.548	0.043
85	1.562	0.043
86	1.576	0.043
87	1.59	0.042
88	1.603	0.042
89	1.617	0.042
90	1.631	0.041
91	1.644	0.041
92	1.658	0.04
93	1.672	0.04
94	1.686	0.04
95	1.699	0.039
96	1.713	0.039
97	1.727	0.039
98	1.741	0.039
99	1.754	0.038
100	1.768	0.038
101	1.782	0.038
102	1.795	0.037
103	1.809	0.037
104	1.823	0.037
105	1.873	0.035
106	1.923	0.033
107	1.973	0.031
108	2.023	0.03
109	2.073	0.028
110	2.123	0.027
111	2.173	0.026
112	2.223	0.025
113	2.273	0.024
114	2.323	0.023
115	2.373	0.022
116	2.423	0.021
117	2.473	0.02
118	2.523	0.019
119	2.573	0.018
120	2.623	0.018
121	2.673	0.017
122	2.723	0.017
123	2.773	0.016
124	2.823	0.015
125	2.873	0.015
126	2.923	0.014
127	2.973	0.014
128	3.023	0.013
129	3.073	0.013
130	3.123	0.013
131	3.173	0.012
132	3.223	0.012
133	3.273	0.011
134	3.323	0.011
135	3.373	0.011
136	3.423	0.011
137	3.473	0.011
138	3.523	0.011
139	3.573	0.011
140	3.623	0.011
141	3.673	0.011
142	3.723	0.011
143	3.773	0.011
144	3.823	0.011
145	3.873	0.011
146	3.923	0.011
147	3.973	0.011
148	4.023	0.011
149	4.073	0.011
150	4.123	0.011
151	4.173	0.011
152	4.223	0.011
153	4.273	0.011

Ind.vertice	T	a/g
154	4.323	0.011
155	4.373	0.011
156	4.423	0.011
157	4.473	0.011
158	4.523	0.011
159	4.573	0.011
160	4.623	0.011
161	4.673	0.011
162	4.723	0.011
163	4.773	0.011
164	4.823	0.011

Sisma Y SLV

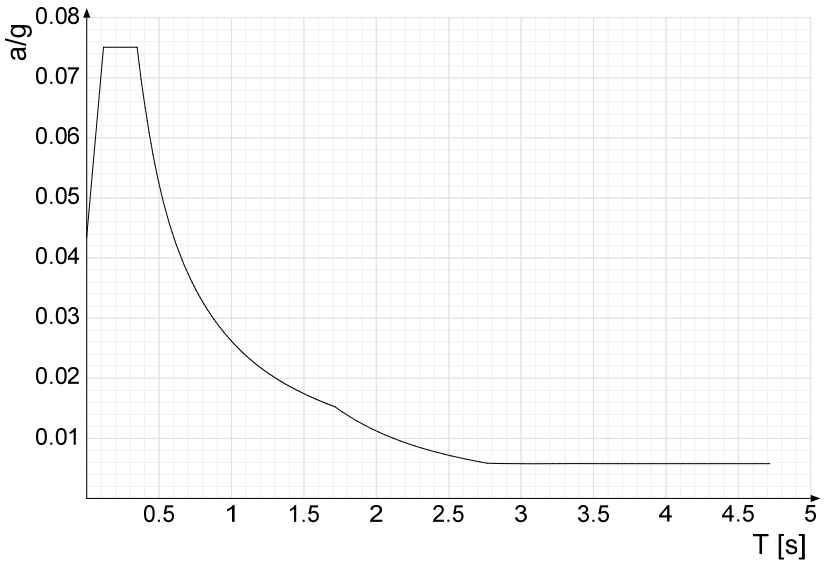


Ind.vertice	T	a/g
1	0	0.084
2	0.146	0.154
3	0.437	0.154
4	0.45	0.149
5	0.464	0.145
6	0.478	0.14
7	0.492	0.137
8	0.505	0.133
9	0.519	0.129
10	0.533	0.126
11	0.547	0.123
12	0.56	0.12
13	0.574	0.117
14	0.588	0.114
15	0.601	0.112
16	0.615	0.109
17	0.629	0.107
18	0.643	0.104
19	0.656	0.102
20	0.67	0.1
21	0.684	0.098
22	0.697	0.096
23	0.711	0.094
24	0.725	0.093
25	0.739	0.091
26	0.752	0.089
27	0.766	0.088
28	0.78	0.086
29	0.794	0.085
30	0.807	0.083
31	0.821	0.082
32	0.835	0.08
33	0.848	0.079
34	0.862	0.078
35	0.876	0.077
36	0.89	0.075
37	0.903	0.074
38	0.917	0.073
39	0.931	0.072
40	0.945	0.071
41	0.958	0.07
42	0.972	0.069
43	0.986	0.068
44	0.999	0.067
45	1.013	0.066
46	1.027	0.065
47	1.041	0.065
48	1.054	0.064
49	1.068	0.063
50	1.082	0.062
51	1.095	0.061
52	1.109	0.061
53	1.123	0.06
54	1.137	0.059
55	1.15	0.058
56	1.164	0.058

Ind.vertice	T	a/g
57	1.178	0.057
58	1.192	0.056
59	1.205	0.056
60	1.219	0.055
61	1.233	0.054
62	1.246	0.054
63	1.26	0.053
64	1.274	0.053
65	1.288	0.052
66	1.301	0.052
67	1.315	0.051
68	1.329	0.051
69	1.343	0.05
70	1.356	0.049
71	1.37	0.049
72	1.384	0.049
73	1.397	0.048
74	1.411	0.048
75	1.425	0.047
76	1.439	0.047
77	1.452	0.046
78	1.466	0.046
79	1.48	0.045
80	1.493	0.045
81	1.507	0.045
82	1.521	0.044
83	1.535	0.044
84	1.548	0.043
85	1.562	0.043
86	1.576	0.043
87	1.59	0.042
88	1.603	0.042
89	1.617	0.042
90	1.631	0.041
91	1.644	0.041
92	1.658	0.04
93	1.672	0.04
94	1.686	0.04
95	1.699	0.039
96	1.713	0.039
97	1.727	0.039
98	1.741	0.039
99	1.754	0.038
100	1.768	0.038
101	1.782	0.038
102	1.795	0.037
103	1.809	0.037
104	1.823	0.037
105	1.873	0.035
106	1.923	0.033
107	1.973	0.031
108	2.023	0.03
109	2.073	0.028
110	2.123	0.027
111	2.173	0.026
112	2.223	0.025
113	2.273	0.024
114	2.323	0.023
115	2.373	0.022
116	2.423	0.021
117	2.473	0.02
118	2.523	0.019
119	2.573	0.018
120	2.623	0.018
121	2.673	0.017
122	2.723	0.017
123	2.773	0.016
124	2.823	0.015
125	2.873	0.015
126	2.923	0.014
127	2.973	0.014
128	3.023	0.013
129	3.073	0.013
130	3.123	0.013
131	3.173	0.012
132	3.223	0.012
133	3.273	0.011
134	3.323	0.011
135	3.373	0.011
136	3.423	0.011
137	3.473	0.011
138	3.523	0.011
139	3.573	0.011
140	3.623	0.011
141	3.673	0.011
142	3.723	0.011
143	3.773	0.011
144	3.823	0.011
145	3.873	0.011
146	3.923	0.011
147	3.973	0.011
148	4.023	0.011
149	4.073	0.011
150	4.123	0.011
151	4.173	0.011
152	4.223	0.011
153	4.273	0.011
154	4.323	0.011
155	4.373	0.011
156	4.423	0.011

Ind.vertice	T	a/g
157	4.473	0.011
158	4.523	0.011
159	4.573	0.011
160	4.623	0.011
161	4.673	0.011
162	4.723	0.011
163	4.773	0.011
164	4.823	0.011

Sisma X SLD

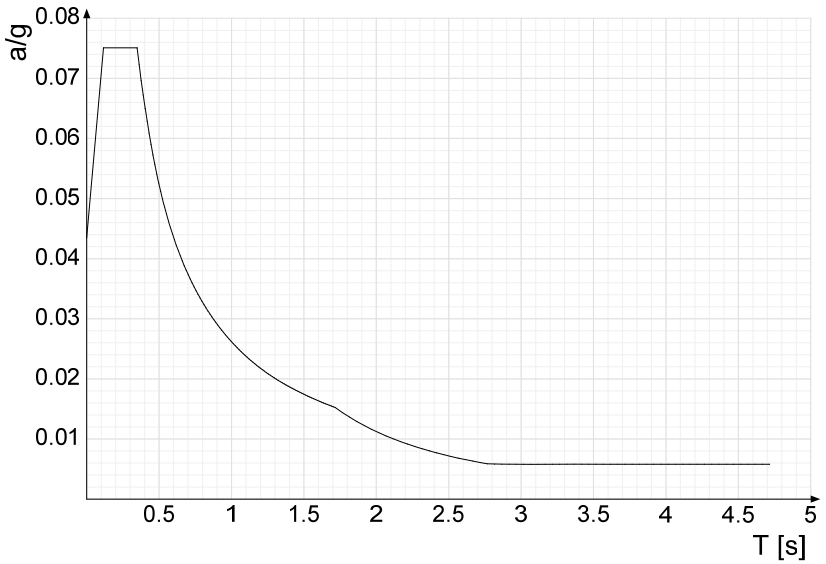


Ind.vertice	T	a/g
1	0	0.043
2	0.116	0.075
3	0.348	0.075
4	0.362	0.072
5	0.375	0.07
6	0.389	0.067
7	0.403	0.065
8	0.416	0.063
9	0.43	0.061
10	0.443	0.059
11	0.457	0.057
12	0.47	0.056
13	0.484	0.054
14	0.497	0.053
15	0.511	0.051
16	0.524	0.05
17	0.538	0.049
18	0.552	0.047
19	0.565	0.046
20	0.579	0.045
21	0.592	0.044
22	0.606	0.043
23	0.619	0.042
24	0.633	0.041
25	0.646	0.04
26	0.66	0.04
27	0.673	0.039
28	0.687	0.038
29	0.7	0.037
30	0.714	0.037
31	0.728	0.036
32	0.741	0.035
33	0.755	0.035
34	0.768	0.034
35	0.782	0.033
36	0.795	0.033
37	0.809	0.032
38	0.822	0.032
39	0.836	0.031
40	0.849	0.031
41	0.863	0.03
42	0.876	0.03
43	0.89	0.029
44	0.904	0.029
45	0.917	0.029
46	0.931	0.028
47	0.944	0.028
48	0.958	0.027
49	0.971	0.027
50	0.985	0.027
51	0.998	0.026
52	1.012	0.026
53	1.025	0.026
54	1.039	0.025
55	1.053	0.025
56	1.066	0.025
57	1.08	0.024
58	1.093	0.024
59	1.107	0.024

Ind.vertice	T	a/g
60	1.12	0.023
61	1.134	0.023
62	1.147	0.023
63	1.161	0.023
64	1.174	0.022
65	1.188	0.022
66	1.201	0.022
67	1.215	0.022
68	1.229	0.021
69	1.242	0.021
70	1.256	0.021
71	1.269	0.021
72	1.283	0.02
73	1.296	0.02
74	1.31	0.02
75	1.323	0.02
76	1.337	0.02
77	1.35	0.019
78	1.364	0.019
79	1.377	0.019
80	1.391	0.019
81	1.405	0.019
82	1.418	0.018
83	1.432	0.018
84	1.445	0.018
85	1.459	0.018
86	1.472	0.018
87	1.486	0.018
88	1.499	0.017
89	1.513	0.017
90	1.526	0.017
91	1.54	0.017
92	1.554	0.017
93	1.567	0.017
94	1.581	0.017
95	1.594	0.016
96	1.608	0.016
97	1.621	0.016
98	1.635	0.016
99	1.648	0.016
100	1.662	0.016
101	1.675	0.016
102	1.689	0.015
103	1.702	0.015
104	1.716	0.015
105	1.766	0.014
106	1.816	0.014
107	1.866	0.013
108	1.916	0.012
109	1.966	0.012
110	2.016	0.011
111	2.066	0.011
112	2.116	0.01
113	2.166	0.01
114	2.216	0.009
115	2.266	0.009
116	2.316	0.008
117	2.366	0.008
118	2.416	0.008
119	2.466	0.007
120	2.516	0.007
121	2.566	0.007
122	2.616	0.007
123	2.666	0.006
124	2.716	0.006
125	2.766	0.006
126	2.816	0.006
127	2.866	0.006
128	2.916	0.006
129	2.966	0.006
130	3.016	0.006
131	3.066	0.006
132	3.116	0.006
133	3.166	0.006
134	3.216	0.006
135	3.266	0.006
136	3.316	0.006
137	3.366	0.006
138	3.416	0.006
139	3.466	0.006
140	3.516	0.006
141	3.566	0.006
142	3.616	0.006
143	3.666	0.006
144	3.716	0.006
145	3.766	0.006
146	3.816	0.006
147	3.866	0.006
148	3.916	0.006
149	3.966	0.006
150	4.016	0.006
151	4.066	0.006
152	4.116	0.006
153	4.166	0.006
154	4.216	0.006
155	4.266	0.006
156	4.316	0.006
157	4.366	0.006
158	4.416	0.006
159	4.466	0.006

Ind.vertice	T	a/g
160	4.516	0.006
161	4.566	0.006
162	4.616	0.006
163	4.666	0.006
164	4.716	0.006

Sisma Y SLD



Ind.vertice	T	a/g
1	0	0.043
2	0.116	0.075
3	0.348	0.075
4	0.362	0.072
5	0.375	0.07
6	0.389	0.067
7	0.403	0.065
8	0.416	0.063
9	0.43	0.061
10	0.443	0.059
11	0.457	0.057
12	0.47	0.056
13	0.484	0.054
14	0.497	0.053
15	0.511	0.051
16	0.524	0.05
17	0.538	0.049
18	0.552	0.047
19	0.565	0.046
20	0.579	0.045
21	0.592	0.044
22	0.606	0.043
23	0.619	0.042
24	0.633	0.041
25	0.646	0.04
26	0.66	0.04
27	0.673	0.039
28	0.687	0.038
29	0.7	0.037
30	0.714	0.037
31	0.728	0.036
32	0.741	0.035
33	0.755	0.035
34	0.768	0.034
35	0.782	0.033
36	0.795	0.033
37	0.809	0.032
38	0.822	0.032
39	0.836	0.031
40	0.849	0.031
41	0.863	0.03
42	0.876	0.03
43	0.89	0.029
44	0.904	0.029
45	0.917	0.029
46	0.931	0.028
47	0.944	0.028
48	0.958	0.027
49	0.971	0.027
50	0.985	0.027
51	0.998	0.026
52	1.012	0.026
53	1.025	0.026
54	1.039	0.025
55	1.053	0.025
56	1.066	0.025
57	1.08	0.024
58	1.093	0.024
59	1.107	0.024
60	1.12	0.023
61	1.134	0.023
62	1.147	0.023

Ind.vertice	T	a/g
63	1.161	0.023
64	1.174	0.022
65	1.188	0.022
66	1.201	0.022
67	1.215	0.022
68	1.229	0.021
69	1.242	0.021
70	1.256	0.021
71	1.269	0.021
72	1.283	0.02
73	1.296	0.02
74	1.31	0.02
75	1.323	0.02
76	1.337	0.02
77	1.35	0.019
78	1.364	0.019
79	1.377	0.019
80	1.391	0.019
81	1.405	0.019
82	1.418	0.018
83	1.432	0.018
84	1.445	0.018
85	1.459	0.018
86	1.472	0.018
87	1.486	0.018
88	1.499	0.017
89	1.513	0.017
90	1.526	0.017
91	1.54	0.017
92	1.554	0.017
93	1.567	0.017
94	1.581	0.017
95	1.594	0.016
96	1.608	0.016
97	1.621	0.016
98	1.635	0.016
99	1.648	0.016
100	1.662	0.016
101	1.675	0.016
102	1.689	0.015
103	1.702	0.015
104	1.716	0.015
105	1.766	0.014
106	1.816	0.014
107	1.866	0.013
108	1.916	0.012
109	1.966	0.012
110	2.016	0.011
111	2.066	0.011
112	2.116	0.01
113	2.166	0.01
114	2.216	0.009
115	2.266	0.009
116	2.316	0.008
117	2.366	0.008
118	2.416	0.008
119	2.466	0.007
120	2.516	0.007
121	2.566	0.007
122	2.616	0.007
123	2.666	0.006
124	2.716	0.006
125	2.766	0.006
126	2.816	0.006
127	2.866	0.006
128	2.916	0.006
129	2.966	0.006
130	3.016	0.006
131	3.066	0.006
132	3.116	0.006
133	3.166	0.006
134	3.216	0.006
135	3.266	0.006
136	3.316	0.006
137	3.366	0.006
138	3.416	0.006
139	3.466	0.006
140	3.516	0.006
141	3.566	0.006
142	3.616	0.006
143	3.666	0.006
144	3.716	0.006
145	3.766	0.006
146	3.816	0.006
147	3.866	0.006
148	3.916	0.006
149	3.966	0.006
150	4.016	0.006
151	4.066	0.006
152	4.116	0.006
153	4.166	0.006
154	4.216	0.006
155	4.266	0.006
156	4.316	0.006
157	4.366	0.006
158	4.416	0.006
159	4.466	0.006
160	4.516	0.006
161	4.566	0.006
162	4.616	0.006

Ind.vertice	T	a/g
163	4.666	0.006
164	4.716	0.006

7 Risultati numerici

7.1 Spostamenti nodali estremi

***Nodo**: nodo interessato dallo spostamento.*
***Ind.**: indice del nodo.*
***Cont.**: condizione o combinazione di carico a cui si riferisce lo spostamento.*
***N.br.**: nome breve della condizione o combinazione di carico.*
***Spostamento**: spostamento traslazionale del nodo.*
***ux**: componente X dello spostamento del nodo. [cm]*
***uy**: componente Y dello spostamento del nodo. [cm]*
***uz**: componente Z dello spostamento del nodo. [cm]*
***Rotazione**: spostamento rotazionale del nodo.*
***rx**: componente X della rotazione del nodo. [deg]*
***ry**: componente Y della rotazione del nodo. [deg]*
***rz**: componente Z della rotazione del nodo. [deg]*

Spostamenti nodali con componente Ux minima

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Spostamento			Rotazione		
Ind.	N.br.	ux	uy	uz	rx	ry	rz
21050	SLV 3	-3.55546	2.30905	-0.79839	-0.0632	-0.0432	-0.0862
21051	SLV 3	-3.55504	2.06637	-0.83344	-0.014	-0.072	-0.086
21052	SLV 3	-3.54225	2.30905	-0.81477	-0.0632	-0.0432	-0.0862
21053	SLV 3	-3.54189	2.06637	-0.84698	-0.014	-0.072	-0.086
21054	SLV 3	-3.47017	2.30894	-0.91039	-0.064	-0.0467	-0.085

Spostamenti nodali con componente Ux massima

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Spostamento			Rotazione		
Ind.	N.br.	ux	uy	uz	rx	ry	rz
21051	SLV 13	2.99618	-2.40679	-1.20676	-0.0352	0.0644	0.0833
21050	SLV 13	2.99556	-2.72829	-1.22789	0.0168	0.0524	0.0832
21053	SLV 13	2.98374	-2.40679	-1.20611	-0.0352	0.0644	0.0833
21052	SLV 13	2.98315	-2.72829	-1.22368	0.0168	0.0524	0.0832
21055	SLV 13	2.91577	-2.40685	-1.20879	-0.0011	0.058	0.0825

Spostamenti nodali con componente Uy minima

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Spostamento			Rotazione		
Ind.	N.br.	ux	uy	uz	rx	ry	rz
21316	SLV 9	1.7644	-4.94379	-1.28592	-0.0284	0.0537	0.1004
21352	SLV 9	1.75195	-4.94377	-1.31415	-0.026	0.046	0.1014
21279	SLV 9	1.78127	-4.94375	-1.26019	-0.0133	0.0731	0.1004
21388	SLV 9	1.74402	-4.94371	-1.33651	-0.0166	0.0316	0.0993
21424	SLV 9	-0.77601	-4.94364	-1.34852	-0.0048	0.0272	0.1026

Spostamenti nodali con componente Uy massima

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Spostamento			Rotazione		
Ind.	N.br.	ux	uy	uz	rx	ry	rz
21316	SLV 7	-2.33117	4.47926	-1.50319	-0.0524	0.0297	-0.0949
21352	SLV 7	-2.32125	4.47925	-1.54365	-0.0481	0.029	-0.1008
21279	SLV 7	-2.34561	4.47924	-1.46356	-0.0495	0.039	-0.1009
21206	SLV 7	-2.38156	4.47923	-1.33949	-0.0115	0.037	-0.1018
21234	SLV 7	-2.36407	4.47923	-1.32743	-0.0486	0.0238	-0.0944

Spostamenti nodali con componente Uz minima

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Spostamento			Rotazione		
Ind.	N.br.	ux	uy	uz	rx	ry	rz
18885	SLU 51	-0.33727	-0.28141	-2.84351	-0.173	-0.0565	-0.0033
18886	SLU 51	-0.33727	-0.28353	-2.7941	-0.167	-0.0638	-0.0017
17288	SLU 51	-0.35322	-0.27258	-2.76307	0.1623	0.011	-0.0001
17289	SLU 51	-0.35322	-0.27264	-2.76208	0.1575	-0.0141	-0.0001
17295	SLU 51	-0.35646	-0.27865	-2.75361	0.197	-0.0043	-0.0003

Spostamenti nodali con componente Uz massima

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Spostamento			Rotazione		
Ind.	N.br.	ux	uy	uz	rx	ry	rz
3893	SLV X	0.32534	0.51497	1.18367	-0.0337	0.0737	-0.0267
10566	SLV X	1.17413	0.46237	1.14016	-0.0364	0.0701	0.0195
7203	SLV X	0.77364	0.261	1.13797	-0.0364	0.0701	-0.0156
13842	SLV X	1.55978	0.63948	1.06099	-0.0339	0.0648	0.0247
10719	SLV Y	-0.95213	1.54568	0.39197	-0.037	-0.015	-0.0375

7.2 Reazioni nodali estreme

***Nodo**: Nodo sollecitato dalla reazione vincolare.*
***Ind.**: indice del nodo.*

***Cont.**: Contesto a cui si riferisce la reazione vincolare.*
***N.br.**: nome breve della condizione o combinazione di carico.*
***Reazione a traslazione**: reazione vincolare traslazionale del nodo.*
***x**: componente X della reazione vincolare del nodo. [daN]*
***y**: componente Y della reazione vincolare del nodo. [daN]*
***z**: componente Z della reazione vincolare del nodo. [daN]*
***Reazione a rotazione**: reazione vincolare rotazionale del nodo.*
***x**: componente X della reazione a rotazione del nodo. [daN*cm]*
***y**: componente Y della reazione a rotazione del nodo. [daN*cm]*
***z**: componente Z della reazione a rotazione del nodo. [daN*cm]*

Reazioni Fx minime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
239	SLU 16	-18975	15759	1695	0	0	0
240	SLU 16	-18440	17059	1863	0	0	0
741	SLU 20	-16534	7694	1746	0	0	0
375	SLU 46	-16157	11119	1876	0	0	0
3393	SLU 45	-15534	-13486	1521	0	0	0

Reazioni Fx massime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
1328	SLU 7	15633	2031	2635	0	0	0
3391	SLU 2	15363	-13580	2128	0	0	0
237	SLU 7	15358	13115	2524	0	0	0
1466	SLU 7	14959	1012	2535	0	0	0
1468	SLU 7	14876	1105	2705	0	0	0

Reazioni Fy minime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
3392	SLU 46	-8548	-14604	1973	0	0	0
3400	SLU 2	-9377	-14388	1175	0	0	0
3402	SLU 28	2326	-14308	2419	0	0	0
3403	SLU 28	-561	-14110	1828	0	0	0
3391	SLU 29	15363	-13581	2537	0	0	0

Reazioni Fy massime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
240	SLU 46	-18439	17068	2515	0	0	0
239	SLU 46	-18974	15771	2293	0	0	0
232	SLU 7	-3694	13550	1383	0	0	0
234	SLU 7	-4023	13158	1341	0	0	0
331	SLU 7	-4541	13142	1529	0	0	0

Reazioni Fz minime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
240	SLV Y	40	-164	-663	0	0	0
239	SLV Y	37	-176	-663	0	0	0
375	SLV Y	30	-165	-503	0	0	0
235	SLV Y	31	-102	-461	0	0	0
254	SLV Y	-22	-157	-417	0	0	0

Reazioni Fz massime

Vengono mostrati i soli 5 nodi più sollecitati.

Nodo	Cont.	Reazione a traslazione			Reazione a rotazione		
Ind.	N.br.	x	y	z	x	y	z
1468	SLU 52	8922	665	4015	0	0	0
1328	SLU 52	9376	1221	3921	0	0	0
1787	SLU 51	6	-3	3893	0	0	0
1306	SLU 52	8717	1286	3890	0	0	0
957	SLU 51	11	-2	3885	0	0	0

7.3 Pressioni massime sul terreno

***Nodo**: Nodo che interagisce col terreno.*
***Ind.**: indice del nodo.*
***Pressione minima**: situazione in cui si verifica la pressione minima nel nodo.*
***Cont.**: nome breve della condizione o combinazione di carico a cui si riferisce la pressione minima.*
***uz**: spostamento massimo verticale del nodo. [cm]*
***Valore**: pressione minima sul terreno del nodo. [daN/cm²]*
***Pressione massima**: situazione in cui si verifica la pressione massima nel nodo.*
***Cont.**: nome breve della condizione o combinazione di carico a cui si riferisce la pressione massima.*
***uz**: spostamento minimo verticale del nodo. [cm]*
***Valore**: pressione massima sul terreno del nodo. [daN/cm²]*

Compressione estrema massima -1.71423 al nodo di indice 1469, di coordinate x = 6457, y = 448, z = -170, nel contesto SLU 52.
Spostamento estremo minimo -1.71423 al nodo di indice 1469, di coordinate x = 6457, y = 448, z = -170, nel contesto SLU 52.

Spostamento estremo massimo -0.21722 al nodo di indice 145, di coordinate x = 11176, y = -120, z = -170, nel contesto SLV 7.

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
2	SLU 52	-1.46605	-1.46605	SLU 1	-0.82823	-0.82823
3	SLU 52	-1.46331	-1.46331	SLU 1	-0.82654	-0.82654
4	SLU 52	-1.45758	-1.45758	SLU 1	-0.82589	-0.82589
5	SLU 51	-1.45097	-1.45097	SLU 2	-0.82094	-0.82094
6	SLU 51	-1.08972	-1.08972	SLU 2	-0.62914	-0.62914
7	SLU 52	-1.09279	-1.09279	SLU 1	-0.62765	-0.62765
8	SLU 52	-1.09192	-1.09192	SLU 1	-0.62559	-0.62559
9	SLU 52	-1.08699	-1.08699	SLU 1	-0.62428	-0.62428
10	SLU 52	-1.47075	-1.47075	SLV 9	-0.81934	-0.81934
11	SLU 52	-1.46567	-1.46567	SLV 9	-0.81954	-0.81954
12	SLU 52	-1.45932	-1.45932	SLV 9	-0.81336	-0.81336
13	SLU 52	-1.45127	-1.45127	SLV 5	-0.80355	-0.80355
14	SLU 52	-1.09223	-1.09223	SLV 9	-0.62514	-0.62514
15	SLU 52	-1.09453	-1.09453	SLU 1	-0.62731	-0.62731
16	SLU 52	-1.09392	-1.09392	SLU 1	-0.62522	-0.62522
17	SLU 52	-1.09064	-1.09064	SLV 1	-0.60942	-0.60942
18	SLU 52	-1.47482	-1.47482	SLV 9	-0.79099	-0.79099
19	SLU 52	-1.46771	-1.46771	SLV 9	-0.78823	-0.78823
20	SLU 52	-1.46087	-1.46087	SLV 9	-0.78159	-0.78159
21	SLU 52	-1.45395	-1.45395	SLV 5	-0.77348	-0.77348
22	SLU 52	-1.09421	-1.09421	SLV 9	-0.60659	-0.60659
23	SLU 52	-1.09571	-1.09571	SLV 9	-0.60917	-0.60917
24	SLU 52	-1.09539	-1.09539	SLV 5	-0.60465	-0.60465
25	SLU 52	-1.09342	-1.09342	SLV 1	-0.589	-0.589
27	SLU 52	-1.4769	-1.4769	SLV 9	-0.75961	-0.75961
28	SLU 52	-1.46934	-1.46934	SLV 9	-0.75536	-0.75536
29	SLU 52	-1.4623	-1.4623	SLV 9	-0.74868	-0.74868
30	SLU 52	-1.45546	-1.45546	SLV 5	-0.74147	-0.74147
31	SLU 52	-1.09484	-1.09484	SLV 9	-0.58583	-0.58583
32	SLU 52	-1.09635	-1.09635	SLV 9	-0.58554	-0.58554
33	SLU 52	-1.09635	-1.09635	SLV 5	-0.58033	-0.58033
34	SLU 52	-1.09497	-1.09497	SLV 1	-0.56845	-0.56845
35	SLU 52	-1.47731	-1.47731	SLV 9	-0.72646	-0.72646
36	SLU 52	-1.47093	-1.47093	SLV 9	-0.72143	-0.72143
37	SLU 52	-1.464	-1.464	SLV 9	-0.71507	-0.71507
38	SLU 52	-1.45618	-1.45618	SLV 5	-0.7087	-0.7087
39	SLU 52	-1.0946	-1.0946	SLV 9	-0.56355	-0.56355
40	SLU 52	-1.09682	-1.09682	SLV 9	-0.56114	-0.56114
41	SLU 52	-1.09711	-1.09711	SLV 5	-0.55558	-0.55558
42	SLU 52	-1.09552	-1.09552	SLV 1	-0.54867	-0.54867
43	SLU 52	-1.47835	-1.47835	SLV 9	-0.69398	-0.69398
44	SLU 52	-1.47331	-1.47331	SLV 9	-0.68785	-0.68785
45	SLU 52	-1.46667	-1.46667	SLV 9	-0.682	-0.682
46	SLU 52	-1.45774	-1.45774	SLV 5	-0.67704	-0.67704
47	SLU 52	-1.09471	-1.09471	SLV 9	-0.54121	-0.54121
48	SLU 52	-1.09782	-1.09782	SLV 5	-0.53697	-0.53697
49	SLU 52	-1.09838	-1.09838	SLV 5	-0.53126	-0.53126
50	SLU 52	-1.09623	-1.09623	SLV 5	-0.52577	-0.52577
51	SLU 52	-1.61432	-1.61432	SLV 11	-0.8696	-0.8696
52	SLU 52	-1.55845	-1.55845	SLV 11	-0.83424	-0.83424
53	SLU 52	-1.50552	-1.50552	SLV 11	-0.8002	-0.8002
54	SLU 52	-1.45818	-1.45818	SLV 11	-0.7688	-0.7688
55	SLU 52	-1.41869	-1.41869	SLV 11	-0.74117	-0.74117
56	SLU 52	-1.38822	-1.38822	SLV 11	-0.71794	-0.71794
57	SLU 52	-1.3668	-1.3668	SLV 11	-0.69912	-0.69912
58	SLU 52	-1.35327	-1.35327	SLV 11	-0.68413	-0.68413
59	SLU 52	-1.34533	-1.34533	SLV 11	-0.67176	-0.67176
60	SLU 51	-1.34015	-1.34015	SLV 11	-0.66037	-0.66037
61	SLU 51	-1.33499	-1.33499	SLV 7	-0.64844	-0.64844
62	SLU 51	-1.32811	-1.32811	SLV 7	-0.63537	-0.63537
63	SLU 51	-1.3204	-1.3204	SLV 7	-0.6217	-0.6217
64	SLU 51	-1.31376	-1.31376	SLV 7	-0.60856	-0.60856
65	SLU 51	-1.3098	-1.3098	SLV 7	-0.59701	-0.59701
66	SLU 51	-1.30904	-1.30904	SLV 7	-0.58763	-0.58763
67	SLU 51	-1.31091	-1.31091	SLV 7	-0.58058	-0.58058
68	SLU 51	-1.31397	-1.31397	SLV 7	-0.57569	-0.57569
69	SLU 51	-1.31676	-1.31676	SLV 7	-0.57272	-0.57272
70	SLU 51	-1.31864	-1.31864	SLV 7	-0.57156	-0.57156
71	SLU 51	-1.32014	-1.32014	SLV 7	-0.5723	-0.5723
72	SLU 51	-1.32236	-1.32236	SLV 7	-0.5751	-0.5751
73	SLU 51	-1.3259	-1.3259	SLV 7	-0.58001	-0.58001
74	SLU 51	-1.33045	-1.33045	SLV 7	-0.5868	-0.5868
75	SLU 51	-1.33489	-1.33489	SLV 7	-0.59505	-0.59505
76	SLU 51	-1.33797	-1.33797	SLV 7	-0.60432	-0.60432
77	SLU 51	-1.33927	-1.33927	SLV 7	-0.61439	-0.61439
78	SLU 51	-1.33945	-1.33945	SLV 7	-0.62526	-0.62526
79	SLU 51	-1.33967	-1.33967	SLV 7	-0.63699	-0.63699
80	SLU 51	-1.34069	-1.34069	SLV 7	-0.6494	-0.6494
81	SLU 51	-1.34223	-1.34223	SLV 7	-0.66188	-0.66188
82	SLU 51	-1.34288	-1.34288	SLV 7	-0.67331	-0.67331
83	SLU 51	-1.34024	-1.34024	SLV 7	-0.68215	-0.68215
84	SLU 51	-1.33198	-1.33198	SLV 7	-0.68708	-0.68708
85	SLU 51	-1.31741	-1.31741	SLV 7	-0.68781	-0.68781
86	SLU 51	-1.29802	-1.29802	SLV 7	-0.68521	-0.68521
87	SLU 51	-1.27657	-1.27657	SLV 7	-0.68078	-0.68078
88	SLU 51	-1.25567	-1.25567	SLV 7	-0.67588	-0.67588
89	SLU 51	-1.23696	-1.23696	SLV 7	-0.67135	-0.67135
90	SLU 51	-1.22102	-1.22102	SLV 7	-0.66745	-0.66745
91	SLU 51	-1.2074	-1.2074	SLV 7	-0.6639	-0.6639
92	SLU 51	-1.19472	-1.19472	SLV 7	-0.65996	-0.65996
93	SLU 51	-1.18104	-1.18104	SLV 7	-0.65464	-0.65464
94	SLU 51	-1.1647	-1.1647	SLV 7	-0.64712	-0.64712
95	SLU 51	-1.14532	-1.14532	SLV 7	-0.63723	-0.63723
96	SLU 51	-1.12404	-1.12404	SLV 11	-0.62555	-0.62555
97	SLU 51	-1.10288	-1.10288	SLV 11	-0.61308	-0.61308
98	SLU 51	-1.08375	-1.08375	SLV 11	-0.60083	-0.60083
99	SLU 51	-1.0679	-1.0679	SLV 11	-0.58951	-0.58951
100	SLU 51	-1.05575	-1.05575	SLV 11	-0.5794	-0.5794

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
101	SLU 51	-1.04685	-1.04685	SLV 11	-0.57036	-0.57036
102	SLU 51	-1.03992	-1.03992	SLV 11	-0.56181	-0.56181
103	SLU 51	-1.0331	-1.0331	SLV 11	-0.55283	-0.55283
104	SLU 51	-1.02473	-1.02473	SLV 11	-0.54257	-0.54257
105	SLU 51	-1.01447	-1.01447	SLV 11	-0.53079	-0.53079
106	SLU 51	-1.00327	-1.00327	SLV 11	-0.51802	-0.51802
107	SLU 51	-0.99257	-0.99257	SLV 11	-0.50514	-0.50514
108	SLU 51	-0.98344	-0.98344	SLV 11	-0.49296	-0.49296
109	SLU 51	-0.9762	-0.9762	SLV 11	-0.48193	-0.48193
110	SLU 51	-0.97037	-0.97037	SLV 11	-0.47219	-0.47219
111	SLU 51	-0.96492	-0.96492	SLV 11	-0.46362	-0.46362
112	SLU 51	-0.9589	-0.9589	SLV 11	-0.45608	-0.45608
113	SLU 51	-0.95206	-0.95206	SLV 11	-0.44952	-0.44952
114	SLU 51	-0.945	-0.945	SLV 11	-0.44407	-0.44407
115	SLU 51	-0.9386	-0.9386	SLV 11	-0.43994	-0.43994
116	SLU 51	-0.93341	-0.93341	SLV 11	-0.43726	-0.43726
117	SLU 51	-0.9294	-0.9294	SLV 11	-0.436	-0.436
118	SLU 51	-0.92602	-0.92602	SLV 11	-0.43601	-0.43601
119	SLU 51	-0.92268	-0.92268	SLV 11	-0.43707	-0.43707
120	SLU 51	-0.91925	-0.91925	SLV 11	-0.43904	-0.43904
121	SLU 51	-0.91623	-0.91623	SLV 11	-0.44186	-0.44186
122	SLU 51	-0.91428	-0.91428	SLV 11	-0.4455	-0.4455
123	SLU 51	-0.91372	-0.91372	SLV 11	-0.44974	-0.44974
124	SLU 51	-0.91425	-0.91425	SLV 11	-0.45416	-0.45416
125	SLU 51	-0.91485	-0.91485	SLV 11	-0.45801	-0.45801
126	SLU 51	-0.91398	-0.91398	SLV 11	-0.4603	-0.4603
127	SLU 51	-0.91025	-0.91025	SLV 11	-0.46016	-0.46016
128	SLU 51	-0.90343	-0.90343	SLV 11	-0.45725	-0.45725
129	SLU 51	-0.89457	-0.89457	SLV 11	-0.45196	-0.45196
130	SLU 51	-0.8853	-0.8853	SLV 11	-0.4451	-0.4451
131	SLU 51	-0.87703	-0.87703	SLV 11	-0.43737	-0.43737
132	SLU 51	-0.87052	-0.87052	SLV 11	-0.42923	-0.42923
133	SLU 52	-0.86621	-0.86621	SLV 11	-0.42076	-0.42076
134	SLU 52	-0.86334	-0.86334	SLV 11	-0.41175	-0.41175
135	SLU 52	-0.86076	-0.86076	SLV 11	-0.40173	-0.40173
136	SLU 52	-0.85721	-0.85721	SLV 11	-0.39013	-0.39013
137	SLU 52	-0.85186	-0.85186	SLV 11	-0.37652	-0.37652
138	SLU 50	-0.84486	-0.84486	SLV 11	-0.3608	-0.3608
139	SLU 50	-0.83703	-0.83703	SLV 7	-0.34317	-0.34317
140	SLU 50	-0.82942	-0.82942	SLV 7	-0.32401	-0.32401
141	SLU 50	-0.82285	-0.82285	SLV 7	-0.30369	-0.30369
142	SLU 50	-0.81772	-0.81772	SLV 7	-0.28255	-0.28255
143	SLU 50	-0.81388	-0.81388	SLV 7	-0.26088	-0.26088
144	SLU 50	-0.81093	-0.81093	SLV 7	-0.23905	-0.23905
145	SLV 9	-0.81346	-0.81346	SLV 7	-0.21722	-0.21722
146	SLU 51	-1.3261	-1.3261	SLV 7	-0.58969	-0.58969
147	SLU 51	-1.33138	-1.33138	SLV 7	-0.59717	-0.59717
148	SLU 51	-1.32521	-1.32521	SLV 7	-0.58934	-0.58934
149	SLU 52	-0.86722	-0.86722	SLV 11	-0.42356	-0.42356
150	SLU 51	-1.33607	-1.33607	SLV 7	-0.60386	-0.60386
151	SLU 51	-1.32807	-1.32807	SLV 7	-0.59273	-0.59273
152	SLU 51	-1.03904	-1.03904	SLV 11	-0.56224	-0.56224
153	SLU 51	-1.04538	-1.04538	SLV 11	-0.57078	-0.57078
154	SLU 51	-1.05187	-1.05187	SLV 11	-0.579	-0.579
155	SLU 51	-1.34079	-1.34079	SLV 7	-0.61214	-0.61214
156	SLU 51	-1.346	-1.346	SLV 7	-0.68585	-0.68585
157	SLU 51	-1.34389	-1.34389	SLV 7	-0.69441	-0.69441
158	SLU 51	-1.3438	-1.3438	SLV 7	-0.62115	-0.62115
159	SLU 51	-1.06065	-1.06065	SLV 11	-0.58803	-0.58803
160	SLU 51	-1.31742	-1.31742	SLV 7	-0.59835	-0.59835
161	SLU 52	-0.86521	-0.86521	SLV 11	-0.41476	-0.41476
162	SLU 51	-1.34449	-1.34449	SLV 7	-0.6306	-0.6306
163	SLU 51	-1.34513	-1.34513	SLV 7	-0.67502	-0.67502
164	SLU 51	-1.34765	-1.34765	SLV 11	-0.67569	-0.67569
165	SLU 52	-1.37299	-1.37299	SLV 11	-0.71257	-0.71257
166	SLU 51	-1.32406	-1.32406	SLV 7	-0.59147	-0.59147
167	SLU 52	-0.86998	-0.86998	SLV 11	-0.4326	-0.4326
168	SLU 51	-1.34384	-1.34384	SLV 7	-0.64079	-0.64079
169	SLU 51	-1.3211	-1.3211	SLV 7	-0.59418	-0.59418
170	SLU 51	-1.07285	-1.07285	SLV 11	-0.59827	-0.59827
171	SLU 52	-1.39407	-1.39407	SLV 11	-0.73099	-0.73099
172	SLU 52	-0.86206	-0.86206	SLV 11	-0.40412	-0.40412
173	SLU 51	-1.34378	-1.34378	SLV 7	-0.66331	-0.66331
174	SLU 51	-1.34331	-1.34331	SLV 7	-0.65179	-0.65179
175	SLU 51	-1.08885	-1.08885	SLV 11	-0.60978	-0.60978
176	SLU 51	-1.31529	-1.31529	SLV 7	-0.60539	-0.60539
177	SLU 52	-1.35258	-1.35258	SLV 11	-0.68667	-0.68667
178	SLU 52	-1.42406	-1.42406	SLV 11	-0.75394	-0.75394
179	SLU 52	-1.36004	-1.36004	SLV 11	-0.69851	-0.69851
180	SLU 50	-0.84956	-0.84956	SLV 11	-0.37633	-0.37633
181	SLU 52	-0.85687	-0.85687	SLV 11	-0.39155	-0.39155
182	SLU 51	-1.10837	-1.10837	SLV 11	-0.62247	-0.62247
183	SLU 51	-1.03156	-1.03156	SLV 11	-0.55335	-0.55335
184	SLU 51	-0.93067	-0.93067	SLV 11	-0.45112	-0.45112
185	SLU 50	-0.84148	-0.84148	SLV 7	-0.35956	-0.35956
186	SLU 51	-0.93419	-0.93419	SLV 11	-0.45035	-0.45035
187	SLU 51	-1.31596	-1.31596	SLV 7	-0.61464	-0.61464
188	SLU 51	-0.91979	-0.91979	SLV 11	-0.47251	-0.47251
189	SLU 51	-0.92052	-0.92052	SLV 11	-0.47023	-0.47023
190	SLU 51	-0.96727	-0.96727	SLV 11	-0.47008	-0.47008
191	SLU 51	-1.17161	-1.17161	SLU 2	-0.65686	-0.65686
192	SLU 51	-0.91994	-0.91994	SLV 11	-0.46658	-0.46658
193	SLU 51	-0.97298	-0.97298	SLV 11	-0.47724	-0.47724
194	SLU 51	-0.9604	-0.9604	SLV 11	-0.46382	-0.46382
195	SLU 51	-0.92691	-0.92691	SLV 11	-0.45299	-0.45299
196	SLU 52	-1.46275	-1.46275	SLV 11	-0.78127	-0.78127
197	SLU 51	-0.98304	-0.98304	SLV 11	-0.49434	-0.49434
198	SLU 51	-1.15204	-1.15204	SLU 2	-0.64657	-0.64657
199	SLU 51	-0.97784	-0.97784	SLV 11	-0.48526	-0.48526

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
200	SLU 51	-0.9197	-0.9197	SLV 11	-0.46253	-0.46253
201	SLU 51	-0.95314	-0.95314	SLV 11	-0.45854	-0.45854
202	SLU 51	-0.94141	-0.94141	SLV 11	-0.45185	-0.45185
203	SLU 51	-1.1302	-1.1302	SLU 2	-0.63492	-0.63492
204	SLU 51	-0.92328	-0.92328	SLV 11	-0.4555	-0.4555
205	SLU 51	-0.93757	-0.93757	SLV 11	-0.45065	-0.45065
206	SLU 51	-1.32014	-1.32014	SLV 7	-0.6261	-0.6261
207	SLU 51	-1.18755	-1.18755	SLU 2	-0.66507	-0.66507
208	SLU 51	-0.92074	-0.92074	SLV 11	-0.45874	-0.45874
209	SLU 51	-0.94662	-0.94662	SLV 11	-0.45455	-0.45455
210	SLU 51	-1.32732	-1.32732	SLV 7	-0.63913	-0.63913
211	SLU 51	-1.20029	-1.20029	SLV 7	-0.67046	-0.67046
212	SLU 50	-0.83377	-0.83377	SLV 7	-0.34181	-0.34181
213	SLU 51	-0.9162	-0.9162	SLV 11	-0.47267	-0.47267
214	SLU 51	-1.34325	-1.34325	SLV 7	-0.66566	-0.66566
215	SLU 51	-0.98999	-0.98999	SLV 11	-0.50505	-0.50505
216	SLU 51	-1.21202	-1.21202	SLV 7	-0.67417	-0.67417
217	SLU 51	-1.02141	-1.02141	SLV 11	-0.54225	-0.54225
218	SLU 51	-1.33639	-1.33639	SLV 7	-0.70005	-0.70005
219	SLU 51	-0.99899	-0.99899	SLV 11	-0.5169	-0.5169
220	SLU 51	-1.33598	-1.33598	SLV 7	-0.65307	-0.65307
221	SLU 51	-1.00989	-1.00989	SLV 11	-0.52965	-0.52965
222	SLU 51	-1.22493	-1.22493	SLV 7	-0.67773	-0.67773
223	SLU 51	-1.24033	-1.24033	SLV 7	-0.68165	-0.68165
224	SLU 51	-1.25874	-1.25874	SLV 7	-0.68638	-0.68638
225	SLU 51	-1.27965	-1.27965	SLV 7	-0.69172	-0.69172
226	SLU 51	-1.32161	-1.32161	SLV 7	-0.70034	-0.70034
227	SLU 51	-1.30153	-1.30153	SLV 7	-0.69687	-0.69687
228	SLU 51	-0.90924	-0.90924	SLV 11	-0.47017	-0.47017
229	SLU 51	-0.89982	-0.89982	SLV 11	-0.46482	-0.46482
230	SLU 50	-0.82717	-0.82717	SLV 7	-0.32338	-0.32338
231	SLU 51	-0.89009	-0.89009	SLV 11	-0.45798	-0.45798
232	SLU 51	-0.8815	-0.8815	SLV 11	-0.45042	-0.45042
233	SLU 52	-1.50927	-1.50927	SLV 11	-0.81303	-0.81303
234	SLU 51	-0.8748	-0.8748	SLV 11	-0.4425	-0.4425
235	SLU 50	-0.8223	-0.8223	SLV 7	-0.30576	-0.30576
236	SLU 52	-1.62759	-1.62759	SLV 11	-0.88955	-0.88955
237	SLU 52	-1.56571	-1.56571	SLV 11	-0.85225	-0.85225
238	SLU 50	-0.81357	-0.81357	SLV 7	-0.24473	-0.24473
239	SLU 50	-0.8159	-0.8159	SLV 7	-0.26434	-0.26434
240	SLU 50	-0.81939	-0.81939	SLV 7	-0.29032	-0.29032
241	SLU 51	-1.33225	-1.33225	SLV 7	-0.60829	-0.60829
242	SLU 51	-1.33368	-1.33368	SLV 7	-0.61091	-0.61091
243	SLU 51	-1.33687	-1.33687	SLV 7	-0.61532	-0.61532
244	SLU 51	-1.33214	-1.33214	SLV 7	-0.60821	-0.60821
245	SLU 51	-1.34204	-1.34204	SLV 7	-0.62271	-0.62271
246	SLU 51	-1.34735	-1.34735	SLV 7	-0.63107	-0.63107
247	SLU 51	-1.3554	-1.3554	SLV 11	-0.69159	-0.69159
248	SLU 51	-1.32409	-1.32409	SLV 7	-0.61724	-0.61724
249	SLU 51	-1.35038	-1.35038	SLV 7	-0.63942	-0.63942
250	SLU 51	-1.33198	-1.33198	SLV 7	-0.61127	-0.61127
251	SLU 52	-1.39958	-1.39958	SLV 11	-0.74429	-0.74429
252	SLU 51	-1.06568	-1.06568	SLV 11	-0.5973	-0.5973
253	SLU 51	-1.05728	-1.05728	SLV 11	-0.58869	-0.58869
254	SLU 51	-1.32874	-1.32874	SLV 7	-0.61384	-0.61384
255	SLU 52	-0.87158	-0.87158	SLV 11	-0.43732	-0.43732
256	SLU 52	-0.87006	-0.87006	SLV 11	-0.42909	-0.42909
257	SLU 52	-1.37892	-1.37892	SLV 11	-0.7265	-0.7265
258	SLU 51	-1.05143	-1.05143	SLV 11	-0.58104	-0.58104
259	SLU 52	-1.35952	-1.35952	SLV 11	-0.70168	-0.70168
260	SLU 51	-1.35026	-1.35026	SLV 7	-0.64833	-0.64833
261	SLU 51	-1.04614	-1.04614	SLV 11	-0.57336	-0.57336
262	SLU 52	-1.42904	-1.42904	SLV 11	-0.76672	-0.76672
263	SLU 51	-1.32133	-1.32133	SLV 7	-0.62365	-0.62365
264	SLU 51	-1.0778	-1.0778	SLU 2	-0.60594	-0.60594
265	SLU 52	-1.46649	-1.46649	SLV 11	-0.79294	-0.79294
266	SLU 52	-0.86751	-0.86751	SLV 11	-0.4194	-0.4194
267	SLU 50	-0.84584	-0.84584	SLV 7	-0.37598	-0.37598
268	SLU 51	-0.93908	-0.93908	SLV 11	-0.46558	-0.46558
269	SLU 50	-0.85436	-0.85436	SLV 7	-0.39231	-0.39231
270	SLU 51	-0.97587	-0.97587	SLV 11	-0.48423	-0.48423
271	SLU 52	-1.36639	-1.36639	SLV 11	-0.71301	-0.71301
272	SLU 51	-1.09397	-1.09397	SLU 2	-0.61499	-0.61499
273	SLU 50	-0.83792	-0.83792	SLV 7	-0.35909	-0.35909
274	SLU 51	-1.34844	-1.34844	SLV 7	-0.65786	-0.65786
275	SLU 51	-1.32177	-1.32177	SLV 7	-0.63246	-0.63246
276	SLU 52	-1.50817	-1.50817	SLV 11	-0.82092	-0.82092
277	SLU 51	-0.96883	-0.96883	SLV 11	-0.4783	-0.4783
278	SLU 51	-0.98121	-0.98121	SLV 11	-0.49106	-0.49106
279	SLU 51	-1.34797	-1.34797	SLV 7	-0.68966	-0.68966
280	SLU 51	-0.94272	-0.94272	SLV 11	-0.46522	-0.46522
281	SLU 51	-1.34824	-1.34824	SLV 7	-0.70876	-0.70876
282	SLU 51	-1.3468	-1.3468	SLV 7	-0.67858	-0.67858
283	SLU 51	-0.93475	-0.93475	SLV 11	-0.46727	-0.46727
284	SLU 51	-0.98969	-0.98969	SLV 11	-0.50682	-0.50682
285	SLU 51	-0.98524	-0.98524	SLV 11	-0.49849	-0.49849
286	SLU 51	-1.32601	-1.32601	SLV 7	-0.64347	-0.64347
287	SLU 51	-1.11384	-1.11384	SLU 2	-0.62587	-0.62587
288	SLU 51	-1.17933	-1.17933	SLU 2	-0.66077	-0.66077
289	SLU 51	-1.34695	-1.34695	SLV 7	-0.66806	-0.66806
290	SLU 51	-1.3493	-1.3493	SLV 7	-0.70048	-0.70048
291	SLU 51	-0.94575	-0.94575	SLV 11	-0.46554	-0.46554
292	SLU 52	-0.86247	-0.86247	SLV 11	-0.40788	-0.40788
293	SLU 51	-1.15918	-1.15918	SLU 2	-0.65017	-0.65017
294	SLU 51	-0.94937	-0.94937	SLV 11	-0.46673	-0.46673
295	SLU 51	-0.92623	-0.92623	SLV 11	-0.48298	-0.48298
296	SLU 51	-1.13626	-1.13626	SLU 2	-0.63795	-0.63795
297	SLU 51	-1.19444	-1.19444	SLU 2	-0.66855	-0.66855
298	SLU 51	-0.9256	-0.9256	SLV 11	-0.47942	-0.47942

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
299	SLU 51	-0.92711	-0.92711	SLV 11	-0.47217	-0.47217
300	SLU 51	-0.96132	-0.96132	SLV 11	-0.47341	-0.47341
301	SLU 51	-0.92562	-0.92562	SLV 11	-0.47563	-0.47563
302	SLU 51	-0.93038	-0.93038	SLV 11	-0.46952	-0.46952
303	SLU 51	-0.95457	-0.95457	SLV 11	-0.46942	-0.46942
304	SLU 51	-0.99622	-0.99622	SLV 11	-0.51702	-0.51702
305	SLU 51	-1.33381	-1.33381	SLV 7	-0.65662	-0.65662
306	SLU 51	-0.92608	-0.92608	SLV 11	-0.48564	-0.48564
307	SLU 51	-1.20583	-1.20583	SLU 2	-0.67422	-0.67422
308	SLU 52	-0.87397	-0.87397	SLV 11	-0.44599	-0.44599
309	SLU 51	-1.21639	-1.21639	SLU 2	-0.6793	-0.6793
310	SLU 50	-0.83128	-0.83128	SLV 7	-0.34237	-0.34237
311	SLU 51	-1.00513	-1.00513	SLV 11	-0.52864	-0.52864
312	SLU 51	-1.03992	-1.03992	SLV 11	-0.56611	-0.56611
313	SLU 51	-1.22847	-1.22847	SLU 2	-0.68502	-0.68502
314	SLU 51	-1.34386	-1.34386	SLV 7	-0.67119	-0.67119
315	SLU 51	-1.01629	-1.01629	SLV 11	-0.54137	-0.54137
316	SLU 51	-1.24334	-1.24334	SLV 7	-0.69197	-0.69197
317	SLU 52	-1.54276	-1.54276	SLV 11	-0.84423	-0.84423
318	SLU 51	-1.0288	-1.0288	SLV 11	-0.55455	-0.55455
319	SLU 51	-1.35266	-1.35266	SLV 11	-0.68477	-0.68477
320	SLU 51	-1.26145	-1.26145	SLV 7	-0.69702	-0.69702
321	SLU 51	-1.28233	-1.28233	SLV 7	-0.70279	-0.70279
322	SLU 51	-1.30469	-1.30469	SLV 7	-0.70873	-0.70873
323	SLU 51	-1.34194	-1.34194	SLV 7	-0.71471	-0.71471
324	SLU 51	-1.32605	-1.32605	SLV 7	-0.71355	-0.71355
325	SLU 51	-0.92345	-0.92345	SLV 11	-0.48713	-0.48713
326	SLU 51	-0.90502	-0.90502	SLV 11	-0.47804	-0.47804
327	SLU 51	-0.91545	-0.91545	SLV 11	-0.48394	-0.48394
328	SLU 51	-0.89485	-0.89485	SLV 11	-0.47129	-0.47129
329	SLU 50	-0.82628	-0.82628	SLV 7	-0.32649	-0.32649
330	SLU 51	-0.88605	-0.88605	SLV 11	-0.46432	-0.46432
331	SLU 51	-0.87912	-0.87912	SLV 11	-0.4573	-0.4573
332	SLU 52	-1.64079	-1.64079	SLV 11	-0.90932	-0.90932
333	SLU 50	-0.82401	-0.82401	SLV 7	-0.31845	-0.31845
334	SLU 52	-1.59183	-1.59183	SLV 11	-0.88086	-0.88086
335	SLU 51	-1.33788	-1.33788	SLV 7	-0.62706	-0.62706
336	SLU 51	-1.33888	-1.33888	SLV 7	-0.62949	-0.62949
337	SLU 51	-1.3387	-1.3387	SLV 7	-0.62786	-0.62786
338	SLU 51	-1.34213	-1.34213	SLV 7	-0.63495	-0.63495
339	SLU 52	-1.55406	-1.55406	SLV 11	-0.85935	-0.85935
340	SLU 52	-0.87513	-0.87513	SLV 11	-0.44982	-0.44982
341	SLU 51	-1.3569	-1.3569	SLV 7	-0.65764	-0.65764
342	SLU 50	-0.84969	-0.84969	SLV 7	-0.39179	-0.39179
343	SLU 50	-0.84176	-0.84176	SLV 7	-0.37598	-0.37598
344	SLU 51	-0.98457	-0.98457	SLV 11	-0.49857	-0.49857
345	SLU 52	-0.87667	-0.87667	SLV 11	-0.45632	-0.45632
346	SLU 51	-1.34759	-1.34759	SLV 7	-0.64305	-0.64305
347	SLU 51	-0.94758	-0.94758	SLV 11	-0.48003	-0.48003
348	SLU 51	-1.35356	-1.35356	SLV 7	-0.65075	-0.65075
349	SLU 51	-1.33594	-1.33594	SLV 7	-0.63421	-0.63421
350	SLU 51	-1.33026	-1.33026	SLV 7	-0.63714	-0.63714
351	SLU 50	-0.8585	-0.8585	SLV 7	-0.40774	-0.40774
352	SLU 52	-0.87455	-0.87455	SLV 11	-0.44381	-0.44381
353	SLU 51	-1.35559	-1.35559	SLV 7	-0.66646	-0.66646
354	SLU 51	-1.32685	-1.32685	SLV 7	-0.64252	-0.64252
355	SLU 52	-1.51183	-1.51183	SLV 11	-0.83299	-0.83299
356	SLU 50	-0.82165	-0.82165	SLV 7	-0.30574	-0.30574
357	SLU 50	-0.83507	-0.83507	SLV 7	-0.36055	-0.36055
358	SLU 51	-1.18743	-1.18743	SLU 2	-0.66487	-0.66487
359	SLU 52	-1.47067	-1.47067	SLV 11	-0.80577	-0.80577
360	SLU 51	-0.97712	-0.97712	SLV 11	-0.49328	-0.49328
361	SLU 52	-1.38429	-1.38429	SLV 11	-0.74073	-0.74073
362	SLU 51	-0.98929	-0.98929	SLV 11	-0.5054	-0.5054
363	SLU 52	-1.40466	-1.40466	SLV 11	-0.75821	-0.75821
364	SLU 51	-0.94243	-0.94243	SLV 11	-0.48186	-0.48186
365	SLU 51	-1.32702	-1.32702	SLV 7	-0.65061	-0.65061
366	SLU 52	-1.43361	-1.43361	SLV 11	-0.78009	-0.78009
367	SLU 51	-0.95122	-0.95122	SLV 11	-0.48062	-0.48062
368	SLU 51	-1.34059	-1.34059	SLV 7	-0.63347	-0.63347
369	SLU 51	-0.87897	-0.87897	SLV 11	-0.46189	-0.46189
370	SLU 52	-0.87323	-0.87323	SLV 11	-0.43619	-0.43619
371	SLU 51	-1.33113	-1.33113	SLV 7	-0.66087	-0.66087
372	SLU 51	-1.35235	-1.35235	SLV 7	-0.67521	-0.67521
373	SLU 52	-1.37204	-1.37204	SLV 11	-0.7278	-0.7278
374	SLU 51	-1.16597	-1.16597	SLU 2	-0.65358	-0.65358
375	SLU 50	-0.81885	-0.81885	SLV 7	-0.28396	-0.28396
376	SLU 50	-0.81735	-0.81735	SLV 7	-0.27333	-0.27333
377	SLU 51	-0.96913	-0.96913	SLV 11	-0.48849	-0.48849
378	SLU 51	-0.99236	-0.99236	SLV 11	-0.51222	-0.51222
379	SLU 51	-1.20107	-1.20107	SLU 2	-0.67189	-0.67189
380	SLU 51	-0.96223	-0.96223	SLV 11	-0.48452	-0.48452
381	SLU 51	-0.95719	-0.95719	SLV 11	-0.48211	-0.48211
382	SLU 51	-1.33913	-1.33913	SLV 7	-0.67364	-0.67364
383	SLU 51	-0.99618	-0.99618	SLV 11	-0.51986	-0.51986
384	SLU 51	-0.93724	-0.93724	SLV 11	-0.48383	-0.48383
385	SLU 51	-0.95389	-0.95389	SLV 11	-0.48118	-0.48118
386	SLU 51	-1.14165	-1.14165	SLU 2	-0.64063	-0.64063
387	SLU 51	-1.11881	-1.11881	SLU 2	-0.62833	-0.62833
388	SLU 52	-1.36603	-1.36603	SLV 11	-0.71822	-0.71822
389	SLU 51	-1.07078	-1.07078	SLU 2	-0.60148	-0.60148
390	SLU 51	-1.00218	-1.00218	SLV 11	-0.52925	-0.52925
391	SLU 51	-1.34995	-1.34995	SLV 7	-0.68458	-0.68458
392	SLU 51	-1.21065	-1.21065	SLU 2	-0.67663	-0.67663
393	SLU 51	-1.099	-1.099	SLU 2	-0.61749	-0.61749
394	SLU 51	-1.06255	-1.06255	SLU 2	-0.59647	-0.59647
395	SLU 51	-1.08288	-1.08288	SLU 2	-0.60847	-0.60847
396	SLU 51	-0.93352	-0.93352	SLV 11	-0.48638	-0.48638
397	SLU 51	-0.93146	-0.93146	SLV 11	-0.48931	-0.48931

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
398	SLU 51	-1.22005	-1.22005	SLU 2	-0.68113	-0.68113
399	SLU 51	-1.01077	-1.01077	SLV 11	-0.54026	-0.54026
400	SLU 51	-1.05727	-1.05727	SLV 11	-0.59215	-0.59215
401	SLU 51	-1.34921	-1.34921	SLV 7	-0.69466	-0.69466
402	SLU 51	-1.23142	-1.23142	SLU 2	-0.6865	-0.6865
403	SLU 51	-0.93115	-0.93115	SLV 11	-0.49305	-0.49305
404	SLU 51	-1.02193	-1.02193	SLV 11	-0.55277	-0.55277
405	SLU 51	-1.35	-1.35	SLV 7	-0.70515	-0.70515
406	SLU 51	-1.24577	-1.24577	SLU 2	-0.6933	-0.6933
407	SLU 50	-0.82382	-0.82382	SLV 7	-0.32028	-0.32028
408	SLU 51	-1.35034	-1.35034	SLV 11	-0.68913	-0.68913
409	SLU 50	-0.83021	-0.83021	SLV 7	-0.34749	-0.34749
410	SLU 52	-0.86853	-0.86853	SLV 11	-0.42608	-0.42608
411	SLU 52	-1.36384	-1.36384	SLV 11	-0.71145	-0.71145
412	SLU 51	-1.3513	-1.3513	SLV 7	-0.71535	-0.71535
413	SLU 51	-0.93177	-0.93177	SLV 11	-0.49695	-0.49695
414	SLU 51	-1.26347	-1.26347	SLU 2	-0.70175	-0.70175
415	SLU 51	-1.05362	-1.05362	SLV 11	-0.58637	-0.58637
416	SLU 51	-1.03536	-1.03536	SLV 11	-0.56674	-0.56674
417	SLU 51	-1.28408	-1.28408	SLU 2	-0.71164	-0.71164
418	SLU 51	-1.3513	-1.3513	SLV 7	-0.7243	-0.7243
419	SLU 51	-1.30645	-1.30645	SLV 7	-0.7202	-0.7202
420	SLU 51	-0.93218	-0.93218	SLV 11	-0.50025	-0.50025
421	SLU 51	-0.89913	-0.89913	SLV 11	-0.48406	-0.48406
422	SLU 51	-0.90943	-0.90943	SLV 11	-0.49084	-0.49084
423	SLU 51	-1.32873	-1.32873	SLV 7	-0.72629	-0.72629
424	SLU 51	-0.92066	-0.92066	SLV 11	-0.49744	-0.49744
425	SLU 51	-0.89079	-0.89079	SLV 11	-0.47827	-0.47827
426	SLU 50	-0.827	-0.827	SLV 7	-0.3374	-0.3374
427	SLU 51	-1.36262	-1.36262	SLV 11	-0.70811	-0.70811
428	SLU 51	-1.34686	-1.34686	SLV 7	-0.73069	-0.73069
429	SLU 51	-1.05033	-1.05033	SLV 11	-0.58272	-0.58272
430	SLU 51	-0.93084	-0.93084	SLV 11	-0.50299	-0.50299
431	SLU 51	-0.88482	-0.88482	SLV 11	-0.47405	-0.47405
432	SLU 51	-1.34229	-1.34229	SLV 7	-0.64446	-0.64446
433	SLU 51	-1.34303	-1.34303	SLV 7	-0.64463	-0.64463
434	SLU 51	-1.34401	-1.34401	SLV 7	-0.64568	-0.64568
435	SLU 52	-1.65056	-1.65056	SLU 1	-0.91988	-0.91988
437	SLU 51	-1.34324	-1.34324	SLV 7	-0.64758	-0.64758
438	SLU 51	-0.88172	-0.88172	SLV 11	-0.47192	-0.47192
439	SLU 51	-1.3449	-1.3449	SLV 7	-0.64997	-0.64997
440	SLU 51	-1.36135	-1.36135	SLV 7	-0.67405	-0.67405
441	SLU 51	-0.9919	-0.9919	SLV 11	-0.51209	-0.51209
442	SLU 51	-0.95468	-0.95468	SLV 11	-0.49274	-0.49274
443	SLU 51	-1.34623	-1.34623	SLV 7	-0.65358	-0.65358
444	SLU 52	-1.60447	-1.60447	SLU 1	-0.89519	-0.89519
445	SLU 52	-0.86663	-0.86663	SLV 7	-0.42932	-0.42932
446	SLU 50	-0.86031	-0.86031	SLV 7	-0.41933	-0.41933
447	SLU 50	-0.85263	-0.85263	SLV 7	-0.40625	-0.40625
448	SLU 50	-0.82592	-0.82592	SLV 7	-0.33702	-0.33702
449	SLU 50	-0.84522	-0.84522	SLV 7	-0.39261	-0.39261
450	SLU 51	-1.19473	-1.19473	SLU 2	-0.66854	-0.66854
451	SLU 52	-0.87557	-0.87557	SLV 11	-0.44518	-0.44518
452	SLU 52	-0.87946	-0.87946	SLV 11	-0.46842	-0.46842
453	SLU 51	-1.34028	-1.34028	SLV 7	-0.65387	-0.65387
454	SLU 50	-0.83848	-0.83848	SLV 7	-0.37833	-0.37833
455	SLU 52	-1.56071	-1.56071	SLU 1	-0.87163	-0.87163
456	SLU 52	-0.87829	-0.87829	SLV 11	-0.4638	-0.4638
457	SLU 51	-1.33478	-1.33478	SLV 7	-0.65644	-0.65644
458	SLU 51	-1.35792	-1.35792	SLV 7	-0.67102	-0.67102
459	SLU 51	-1.33143	-1.33143	SLV 7	-0.66121	-0.66121
460	SLU 50	-0.83329	-0.83329	SLV 7	-0.36535	-0.36535
461	SLU 52	-0.87783	-0.87783	SLV 11	-0.45862	-0.45862
462	SLU 51	-1.3591	-1.3591	SLV 7	-0.68509	-0.68509
463	SLU 52	-1.5169	-1.5169	SLV 11	-0.84663	-0.84663
464	SLU 52	-0.87728	-0.87728	SLV 11	-0.45284	-0.45284
465	SLU 51	-0.98438	-0.98438	SLV 11	-0.50858	-0.50858
466	SLU 51	-1.3426	-1.3426	SLV 11	-0.68908	-0.68908
467	SLU 50	-0.82979	-0.82979	SLV 7	-0.35463	-0.35463
468	SLU 51	-1.33524	-1.33524	SLV 7	-0.6779	-0.6779
469	SLU 51	-0.94943	-0.94943	SLV 11	-0.49703	-0.49703
470	SLU 51	-1.35241	-1.35241	SLV 11	-0.70196	-0.70196
471	SLU 51	-1.33152	-1.33152	SLV 7	-0.66888	-0.66888
472	SLU 51	-0.99597	-0.99597	SLV 11	-0.52008	-0.52008
473	SLU 51	-0.95877	-0.95877	SLV 11	-0.49652	-0.49652
474	SLU 50	-0.82373	-0.82373	SLV 7	-0.32876	-0.32876
475	SLU 52	-1.47393	-1.47393	SLV 11	-0.81846	-0.81846
476	SLU 51	-1.20501	-1.20501	SLU 2	-0.67381	-0.67381
477	SLU 51	-1.1707	-1.1707	SLU 2	-0.65589	-0.65589
478	SLU 52	-1.409	-1.409	SLV 11	-0.77187	-0.77187
479	SLU 52	-1.38882	-1.38882	SLV 11	-0.75492	-0.75492
480	SLU 52	-1.43756	-1.43756	SLV 11	-0.79328	-0.79328
481	SLU 51	-1.35511	-1.35511	SLV 7	-0.6931	-0.6931
482	SLU 51	-1.35201	-1.35201	SLV 7	-0.66548	-0.66548
483	SLU 52	-1.37639	-1.37639	SLV 11	-0.74219	-0.74219
484	SLU 51	-0.97656	-0.97656	SLV 11	-0.50427	-0.50427
485	SLU 51	-0.94382	-0.94382	SLV 11	-0.49876	-0.49876
486	SLU 51	-0.99866	-0.99866	SLV 11	-0.52629	-0.52629
487	SLU 51	-0.96162	-0.96162	SLV 11	-0.4975	-0.4975
488	SLU 52	-1.3699	-1.3699	SLV 11	-0.73277	-0.73277
489	SLU 51	-0.96996	-0.96996	SLV 11	-0.50072	-0.50072
490	SLU 51	-1.21369	-1.21369	SLU 2	-0.67811	-0.67811
491	SLU 51	-1.01574	-1.01574	SLV 11	-0.55157	-0.55157
492	SLU 51	-0.96506	-0.96506	SLV 11	-0.49852	-0.49852
493	SLU 51	-1.02596	-1.02596	SLV 11	-0.56276	-0.56276
494	SLU 51	-1.03759	-1.03759	SLV 11	-0.57453	-0.57453
495	SLU 51	-1.14558	-1.14558	SLU 2	-0.64253	-0.64253
496	SLU 51	-1.00781	-1.00781	SLV 11	-0.54175	-0.54175
497	SLU 51	-0.93964	-0.93964	SLV 11	-0.50079	-0.50079

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
498	SLU 51	-1.00228	-1.00228	SLV 11	-0.5334	-0.5334
499	SLU 51	-1.12313	-1.12313	SLU 2	-0.63044	-0.63044
500	SLU 51	-1.35209	-1.35209	SLV 7	-0.70145	-0.70145
501	SLU 51	-1.22274	-1.22274	SLU 2	-0.68245	-0.68245
502	SLU 52	-1.36649	-1.36649	SLV 11	-0.72536	-0.72536
503	SLU 51	-1.10342	-1.10342	SLU 2	-0.61966	-0.61966
504	SLU 51	-0.93715	-0.93715	SLV 11	-0.5035	-0.5035
505	SLU 51	-1.08735	-1.08735	SLU 2	-0.61069	-0.61069
506	SLU 51	-1.07521	-1.07521	SLU 2	-0.60369	-0.60369
507	SLU 51	-1.23373	-1.23373	SLU 2	-0.68766	-0.68766
508	SLU 51	-1.36206	-1.36206	SLV 11	-0.71696	-0.71696
509	SLU 51	-1.06678	-1.06678	SLU 2	-0.59859	-0.59859
510	SLU 51	-1.35068	-1.35068	SLV 7	-0.71053	-0.71053
511	SLU 51	-1.24764	-1.24764	SLU 2	-0.69426	-0.69426
512	SLU 51	-0.93614	-0.93614	SLV 11	-0.50674	-0.50674
513	SLU 51	-1.06113	-1.06113	SLU 2	-0.59494	-0.59494
514	SLU 51	-1.35067	-1.35067	SLV 7	-0.71985	-0.71985
515	SLU 51	-1.26474	-1.26474	SLU 2	-0.70243	-0.70243
516	SLU 51	-1.34638	-1.34638	SLV 7	-0.65872	-0.65872
517	SLU 51	-1.05652	-1.05652	SLU 2	-0.59191	-0.59191
518	SLU 50	-0.82109	-0.82109	SLV 7	-0.31751	-0.31751
519	SLU 50	-0.81746	-0.81746	SLV 7	-0.29889	-0.29889
520	SLU 51	-1.2846	-1.2846	SLU 2	-0.71196	-0.71196
521	SLU 51	-0.9359	-0.9359	SLV 11	-0.51004	-0.51004
522	SLU 51	-1.35103	-1.35103	SLV 7	-0.7289	-0.7289
523	SLU 51	-1.0499	-1.0499	SLV 11	-0.58779	-0.58779
524	SLU 51	-1.30604	-1.30604	SLU 2	-0.72228	-0.72228
525	SLU 51	-0.92266	-0.92266	SLV 11	-0.50822	-0.50822
526	SLU 51	-1.32692	-1.32692	SLU 2	-0.73233	-0.73233
527	SLU 51	-1.34972	-1.34972	SLV 7	-0.73617	-0.73617
528	SLU 51	-0.9351	-0.9351	SLV 11	-0.51252	-0.51252
529	SLU 51	-0.91252	-0.91252	SLV 11	-0.50303	-0.50303
530	SLU 51	-1.34277	-1.34277	SLV 7	-0.73947	-0.73947
531	SLU 51	-0.93146	-0.93146	SLV 11	-0.51282	-0.51282
532	SLU 51	-1.34609	-1.34609	SLV 7	-0.66065	-0.66065
533	SLU 51	-0.903	-0.903	SLV 11	-0.4976	-0.4976
534	SLU 51	-1.34588	-1.34588	SLV 7	-0.66199	-0.66199
535	SLU 52	-0.8695	-0.8695	SLV 7	-0.44137	-0.44137
536	SLU 51	-0.8949	-0.8949	SLV 11	-0.49247	-0.49247
537	SLU 51	-1.34669	-1.34669	SLV 7	-0.66459	-0.66459
538	SLU 51	-1.34877	-1.34877	SLV 7	-0.66861	-0.66861
539	SLU 51	-0.88878	-0.88878	SLV 11	-0.48817	-0.48817
540	SLU 51	-1.35147	-1.35147	SLV 7	-0.67392	-0.67392
541	SLU 52	-0.86257	-0.86257	SLV 7	-0.43288	-0.43288
542	SLU 50	-0.82925	-0.82925	SLV 7	-0.36134	-0.36134
543	SLU 50	-0.8554	-0.8554	SLV 7	-0.42158	-0.42158
544	SLU 51	-0.88472	-0.88472	SLV 11	-0.48471	-0.48471
545	SLU 50	-0.84813	-0.84813	SLV 7	-0.40878	-0.40878
546	SLU 50	-0.84133	-0.84133	SLV 7	-0.39519	-0.39519
547	SLU 50	-0.83509	-0.83509	SLV 7	-0.38014	-0.38014
548	SLU 51	-0.88199	-0.88199	SLV 11	-0.48114	-0.48114
549	SLU 52	-1.65136	-1.65136	SLU 1	-0.92062	-0.92062
550	SLU 52	-0.88042	-0.88042	SLV 11	-0.47721	-0.47721
551	SLU 52	-1.60925	-1.60925	SLU 1	-0.89798	-0.89798
552	SLU 51	-1.34276	-1.34276	SLV 7	-0.67468	-0.67468
553	SLU 51	-1.34647	-1.34647	SLV 7	-0.67426	-0.67426
554	SLU 51	-1.33836	-1.33836	SLV 7	-0.67659	-0.67659
555	SLU 51	-1.33554	-1.33554	SLV 7	-0.68092	-0.68092
556	SLU 52	-1.5648	-1.5648	SLU 1	-0.87404	-0.87404
557	SLU 52	-0.87955	-0.87955	SLV 11	-0.47297	-0.47297
558	SLU 51	-1.36212	-1.36212	SLV 7	-0.69843	-0.69843
559	SLU 50	-0.82548	-0.82548	SLV 7	-0.35371	-0.35371
560	SLU 51	-1.36041	-1.36041	SLV 7	-0.69336	-0.69336
561	SLU 52	-1.52061	-1.52061	SLU 1	-0.85016	-0.85016
562	SLU 51	-1.34545	-1.34545	SLV 11	-0.7065	-0.7065
563	SLU 51	-1.35342	-1.35342	SLV 11	-0.71748	-0.71748
564	SLU 51	-1.36038	-1.36038	SLV 7	-0.7052	-0.7052
565	SLU 51	-1.33908	-1.33908	SLV 11	-0.69664	-0.69664
566	SLU 52	-1.47725	-1.47725	SLU 1	-0.82663	-0.82663
567	SLU 51	-1.33573	-1.33573	SLV 11	-0.68847	-0.68847
568	SLU 51	-1.34822	-1.34822	SLV 7	-0.67709	-0.67709
569	SLU 52	-0.87825	-0.87825	SLV 7	-0.46809	-0.46809
570	SLU 52	-1.41273	-1.41273	SLV 11	-0.78507	-0.78507
571	SLU 52	-1.39258	-1.39258	SLV 11	-0.76851	-0.76851
572	SLU 52	-1.44099	-1.44099	SLV 11	-0.80601	-0.80601
573	SLU 52	-1.37962	-1.37962	SLV 11	-0.75591	-0.75591
574	SLU 52	-1.37182	-1.37182	SLV 11	-0.74607	-0.74607
575	SLU 51	-1.3608	-1.3608	SLV 11	-0.72862	-0.72862
576	SLU 51	-0.99675	-0.99675	SLV 11	-0.53028	-0.53028
577	SLU 51	-0.96161	-0.96161	SLV 11	-0.51405	-0.51405
578	SLU 52	-1.36648	-1.36648	SLV 11	-0.73776	-0.73776
579	SLU 51	-1.35675	-1.35675	SLV 7	-0.68904	-0.68904
580	SLU 52	-0.87557	-0.87557	SLV 7	-0.46188	-0.46188
581	SLU 51	-1.35684	-1.35684	SLV 7	-0.71181	-0.71181
582	SLU 51	-1.19124	-1.19124	SLU 2	-0.66652	-0.66652
583	SLU 51	-0.99066	-0.99066	SLV 11	-0.52553	-0.52553
584	SLU 51	-0.95632	-0.95632	SLV 11	-0.51472	-0.51472
585	SLU 51	-1.34862	-1.34862	SLV 7	-0.67836	-0.67836
586	SLU 51	-1.17123	-1.17123	SLU 2	-0.656	-0.656
587	SLU 51	-0.98397	-0.98397	SLV 11	-0.52136	-0.52136
588	SLU 51	-0.95074	-0.95074	SLV 11	-0.51524	-0.51524
589	SLU 51	-1.35362	-1.35362	SLV 7	-0.71903	-0.71903
590	SLU 51	-0.97801	-0.97801	SLV 11	-0.51821	-0.51821
591	SLU 51	-0.94606	-0.94606	SLV 11	-0.51632	-0.51632
592	SLU 51	-0.97323	-0.97323	SLV 11	-0.51619	-0.51619
593	SLU 51	-1.00114	-1.00114	SLV 11	-0.53589	-0.53589
594	SLU 51	-1.00431	-1.00431	SLV 11	-0.541	-0.541
595	SLU 51	-1.00804	-1.00804	SLV 11	-0.54724	-0.54724
596	SLU 51	-1.03027	-1.03027	SLV 11	-0.57414	-0.57414

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
597	SLU 51	-1.02095	-1.02095	SLV 11	-0.564	-0.564
598	SLU 51	-1.12678	-1.12678	SLU 2	-0.6322	-0.6322
599	SLU 51	-1.01346	-1.01346	SLV 11	-0.55492	-0.55492
600	SLU 51	-0.96949	-0.96949	SLV 11	-0.51531	-0.51531
601	SLU 51	-1.14844	-1.14844	SLU 2	-0.64387	-0.64387
602	SLU 51	-0.96608	-0.96608	SLV 11	-0.51525	-0.51525
603	SLU 51	-1.20453	-1.20453	SLU 2	-0.67341	-0.67341
604	SLU 51	-1.21481	-1.21481	SLU 2	-0.67858	-0.67858
605	SLU 51	-1.22442	-1.22442	SLU 2	-0.68324	-0.68324
606	SLU 51	-1.10751	-1.10751	SLU 2	-0.62166	-0.62166
607	SLU 51	-1.0406	-1.0406	SLU 2	-0.58253	-0.58253
608	SLU 51	-0.9428	-0.9428	SLV 11	-0.51808	-0.51808
609	SLU 51	-1.34895	-1.34895	SLV 7	-0.67978	-0.67978
610	SLU 51	-1.09154	-1.09154	SLU 2	-0.61275	-0.61275
611	SLU 51	-1.07923	-1.07923	SLU 2	-0.60569	-0.60569
612	SLU 51	-1.07028	-1.07028	SLU 2	-0.60034	-0.60034
613	SLU 51	-1.35155	-1.35155	SLV 7	-0.72659	-0.72659
614	SLU 51	-1.23549	-1.23549	SLU 2	-0.68852	-0.68852
615	SLU 51	-1.06373	-1.06373	SLU 2	-0.59626	-0.59626
616	SLU 51	-1.24908	-1.24908	SLU 2	-0.695	-0.695
617	SLU 51	-0.94074	-0.94074	SLV 11	-0.52036	-0.52036
618	SLU 51	-1.05776	-1.05776	SLU 2	-0.59254	-0.59254
619	SLU 51	-1.26552	-1.26552	SLU 2	-0.70286	-0.70286
620	SLU 51	-1.05038	-1.05038	SLU 2	-0.58816	-0.58816
621	SLU 51	-1.28432	-1.28432	SLU 2	-0.71189	-0.71189
622	SLU 51	-1.34993	-1.34993	SLV 7	-0.68213	-0.68213
623	SLU 51	-1.35043	-1.35043	SLV 7	-0.73442	-0.73442
624	SLU 51	-1.30419	-1.30419	SLU 2	-0.72145	-0.72145
625	SLU 51	-0.9391	-0.9391	SLV 11	-0.52255	-0.52255
626	SLU 51	-1.35415	-1.35415	SLV 7	-0.68831	-0.68831
627	SLU 51	-1.34914	-1.34914	SLV 7	-0.74152	-0.74152
628	SLU 51	-1.32284	-1.32284	SLU 2	-0.73041	-0.73041
629	SLU 51	-1.35179	-1.35179	SLV 7	-0.68541	-0.68541
630	SLU 51	-1.34562	-1.34562	SLU 2	-0.7409	-0.7409
631	SLU 51	-1.3372	-1.3372	SLU 2	-0.73719	-0.73719
632	SLU 51	-0.93661	-0.93661	SLV 11	-0.52385	-0.52385
633	SLU 51	-0.93177	-0.93177	SLV 11	-0.5231	-0.5231
634	SLU 51	-0.92416	-0.92416	SLV 11	-0.51997	-0.51997
635	SLU 52	-0.87041	-0.87041	SLV 7	-0.45521	-0.45521
636	SLU 50	-0.82224	-0.82224	SLV 7	-0.34892	-0.34892
637	SLU 50	-0.81506	-0.81506	SLV 7	-0.32289	-0.32289
638	SLU 51	-0.91498	-0.91498	SLV 11	-0.51538	-0.51538
639	SLU 51	-0.90605	-0.90605	SLV 11	-0.51045	-0.51045
640	SLU 52	-0.86439	-0.86439	SLV 7	-0.44695	-0.44695
641	SLU 51	-0.89819	-0.89819	SLV 11	-0.50562	-0.50562
642	SLU 50	-0.85762	-0.85762	SLV 7	-0.43615	-0.43615
643	SLU 51	-0.89193	-0.89193	SLV 11	-0.50126	-0.50126
644	SLU 50	-0.85075	-0.85075	SLV 7	-0.42441	-0.42441
645	SLU 50	-0.84395	-0.84395	SLV 7	-0.41157	-0.41157
646	SLU 51	-0.88734	-0.88734	SLV 11	-0.49742	-0.49742
647	SLU 50	-0.8375	-0.8375	SLV 7	-0.39799	-0.39799
648	SLU 50	-0.83151	-0.83151	SLV 7	-0.38399	-0.38399
649	SLU 51	-0.8841	-0.8841	SLV 11	-0.49375	-0.49375
650	SLU 51	-1.34471	-1.34471	SLV 7	-0.69377	-0.69377
651	SLU 51	-1.34146	-1.34146	SLV 7	-0.69528	-0.69528
652	SLU 52	-0.88185	-0.88185	SLV 11	-0.48993	-0.48993
653	SLU 51	-1.34774	-1.34774	SLV 7	-0.69377	-0.69377
654	SLU 51	-1.3499	-1.3499	SLV 7	-0.69512	-0.69512
655	SLU 52	-0.88031	-0.88031	SLV 7	-0.48581	-0.48581
656	SLU 51	-1.3395	-1.3395	SLV 11	-0.69984	-0.69984
657	SLU 52	-1.64993	-1.64993	SLU 1	-0.92006	-0.92006
658	SLU 51	-1.35115	-1.35115	SLV 7	-0.6964	-0.6964
659	SLU 50	-0.82612	-0.82612	SLV 7	-0.37366	-0.37366
660	SLU 52	-1.61024	-1.61024	SLU 1	-0.89868	-0.89868
661	SLU 52	-0.87839	-0.87839	SLV 7	-0.48099	-0.48099
662	SLU 51	-1.35215	-1.35215	SLV 7	-0.69813	-0.69813
663	SLU 51	-1.36205	-1.36205	SLV 7	-0.71403	-0.71403
664	SLU 51	-1.36267	-1.36267	SLV 7	-0.719	-0.719
665	SLU 51	-1.35995	-1.35995	SLV 7	-0.70983	-0.70983
666	SLU 52	-1.56679	-1.56679	SLU 1	-0.87527	-0.87527
667	SLU 51	-1.35459	-1.35459	SLV 11	-0.7324	-0.7324
668	SLU 51	-1.34825	-1.34825	SLV 11	-0.7233	-0.7233
669	SLU 51	-1.35347	-1.35347	SLV 7	-0.70052	-0.70052
670	SLU 51	-1.36081	-1.36081	SLV 11	-0.74174	-0.74174
671	SLU 51	-1.35753	-1.35753	SLV 7	-0.70651	-0.70651
672	SLU 52	-1.52233	-1.52233	SLU 1	-0.85125	-0.85125
673	SLU 52	-1.36704	-1.36704	SLV 11	-0.75045	-0.75045
674	SLU 52	-0.87544	-0.87544	SLV 7	-0.47491	-0.47491
675	SLU 51	-1.36127	-1.36127	SLV 7	-0.72446	-0.72446
676	SLU 52	-1.37373	-1.37373	SLV 11	-0.75924	-0.75924
677	SLU 52	-1.38271	-1.38271	SLV 11	-0.76918	-0.76918
678	SLU 51	-1.35535	-1.35535	SLV 7	-0.70364	-0.70364
679	SLU 52	-1.39632	-1.39632	SLV 11	-0.7817	-0.7817
680	SLU 52	-1.41647	-1.41647	SLU 1	-0.7935	-0.7935
681	SLU 52	-1.48024	-1.48024	SLU 1	-0.82843	-0.82843
682	SLU 52	-1.44449	-1.44449	SLU 1	-0.80893	-0.80893
683	SLU 51	-1.34314	-1.34314	SLV 11	-0.7156	-0.7156
684	SLU 51	-1.35843	-1.35843	SLV 7	-0.73044	-0.73044
685	SLU 52	-0.87111	-0.87111	SLV 7	-0.46793	-0.46793
686	SLU 51	-1.34059	-1.34059	SLV 11	-0.71007	-0.71007
687	SLU 51	-1.00203	-1.00203	SLV 11	-0.54594	-0.54594
688	SLU 51	-0.96876	-0.96876	SLV 11	-0.53193	-0.53193
689	SLU 51	-1.35531	-1.35531	SLV 7	-0.73666	-0.73666
690	SLU 51	-1.18932	-1.18932	SLU 2	-0.66539	-0.66539
691	SLU 51	-0.99701	-0.99701	SLV 11	-0.54195	-0.54195
692	SLU 51	-0.96339	-0.96339	SLV 11	-0.53174	-0.53174
693	SLU 51	-1.17117	-1.17117	SLU 2	-0.65581	-0.65581
694	SLU 51	-1.00626	-1.00626	SLV 11	-0.55053	-0.55053
695	SLU 51	-0.99156	-0.99156	SLV 11	-0.53849	-0.53849

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
696	SLU 51	-1.0099	-1.0099	SLV 11	-0.55534	-0.55534
697	SLU 51	-1.01395	-1.01395	SLV 11	-0.56108	-0.56108
698	SLU 51	-0.98635	-0.98635	SLV 11	-0.53576	-0.53576
699	SLU 51	-1.03473	-1.03473	SLU 2	-0.57888	-0.57888
700	SLU 51	-1.02632	-1.02632	SLU 2	-0.57396	-0.57396
701	SLU 51	-1.04371	-1.04371	SLU 2	-0.58409	-0.58409
702	SLU 51	-1.01931	-1.01931	SLV 11	-0.56807	-0.56807
703	SLU 51	-1.13013	-1.13013	SLU 2	-0.6338	-0.6338
704	SLU 51	-1.11147	-1.11147	SLU 2	-0.62359	-0.62359
705	SLU 51	-1.09573	-1.09573	SLU 2	-0.61482	-0.61482
706	SLU 51	-1.08331	-1.08331	SLU 2	-0.60772	-0.60772
707	SLU 51	-1.07389	-1.07389	SLU 2	-0.60215	-0.60215
708	SLU 51	-1.15059	-1.15059	SLU 2	-0.64484	-0.64484
709	SLU 51	-0.98177	-0.98177	SLV 11	-0.53399	-0.53399
710	SLU 51	-0.97769	-0.97769	SLV 11	-0.53306	-0.53306
711	SLU 51	-0.97356	-0.97356	SLV 11	-0.53261	-0.53261
712	SLU 51	-0.95786	-0.95786	SLV 11	-0.53172	-0.53172
713	SLU 51	-0.95284	-0.95284	SLV 11	-0.532	-0.532
714	SLU 51	-0.94879	-0.94879	SLV 11	-0.53281	-0.53281
715	SLU 51	-1.2037	-1.2037	SLU 2	-0.67285	-0.67285
716	SLU 51	-1.21526	-1.21526	SLU 2	-0.67871	-0.67871
717	SLU 51	-1.05978	-1.05978	SLU 2	-0.59356	-0.59356
718	SLU 51	-1.05235	-1.05235	SLU 2	-0.58913	-0.58913
719	SLU 51	-1.06657	-1.06657	SLU 2	-0.5977	-0.5977
720	SLU 51	-1.22575	-1.22575	SLU 2	-0.68385	-0.68385
721	SLU 51	-1.23711	-1.23711	SLU 2	-0.68932	-0.68932
722	SLU 51	-1.35266	-1.35266	SLU 2	-0.74233	-0.74233
723	SLU 51	-0.94564	-0.94564	SLV 7	-0.5341	-0.5341
724	SLU 51	-1.25053	-1.25053	SLU 2	-0.69575	-0.69575
725	SLU 51	-1.26638	-1.26638	SLU 2	-0.70335	-0.70335
726	SLU 51	-1.28415	-1.28415	SLU 2	-0.71189	-0.71189
727	SLU 51	-0.94262	-0.94262	SLU 2	-0.53454	-0.53454
728	SLU 51	-1.3504	-1.3504	SLU 2	-0.74199	-0.74199
729	SLU 51	-1.30251	-1.30251	SLU 2	-0.72072	-0.72072
730	SLU 51	-1.31949	-1.31949	SLU 2	-0.72885	-0.72885
731	SLU 51	-1.3475	-1.3475	SLU 2	-0.74128	-0.74128
732	SLU 51	-1.34226	-1.34226	SLU 2	-0.7393	-0.7393
733	SLU 51	-1.33311	-1.33311	SLU 2	-0.73524	-0.73524
734	SLU 52	-0.8658	-0.8658	SLV 7	-0.45998	-0.45998
735	SLU 51	-0.93876	-0.93876	SLU 2	-0.53324	-0.53324
736	SLU 51	-0.93319	-0.93319	SLU 2	-0.53112	-0.53112
737	SLU 51	-0.92586	-0.92586	SLU 2	-0.52806	-0.52806
738	SLU 50	-0.8597	-0.8597	SLV 7	-0.45016	-0.45016
739	SLU 51	-0.91738	-0.91738	SLU 2	-0.52429	-0.52429
740	SLU 50	-0.81157	-0.81157	SLV 7	-0.34312	-0.34312
741	SLU 50	-0.81969	-0.81969	SLV 7	-0.36524	-0.36524
742	SLU 51	-0.90893	-0.90893	SLU 2	-0.52041	-0.52041
743	SLU 50	-0.8532	-0.8532	SLV 7	-0.43919	-0.43919
744	SLU 51	-0.90116	-0.90116	SLU 2	-0.51682	-0.51682
745	SLU 50	-0.84648	-0.84648	SLV 7	-0.42695	-0.42695
746	SLU 50	-0.8398	-0.8398	SLV 7	-0.41391	-0.41391
747	SLU 51	-0.89468	-0.89468	SLV 7	-0.51344	-0.51344
748	SLU 50	-0.83332	-0.83332	SLV 7	-0.4009	-0.4009
749	SLU 51	-0.88967	-0.88967	SLV 7	-0.5094	-0.5094
750	SLU 51	-1.34513	-1.34513	SLV 11	-0.71276	-0.71276
751	SLU 51	-1.34777	-1.34777	SLV 7	-0.71194	-0.71194
752	SLU 51	-0.88598	-0.88598	SLV 7	-0.50563	-0.50563
753	SLU 51	-1.34347	-1.34347	SLV 11	-0.71514	-0.71514
754	SLU 51	-1.35054	-1.35054	SLV 7	-0.71242	-0.71242
755	SLU 50	-0.82743	-0.82743	SLV 7	-0.38986	-0.38986
756	SLU 51	-0.8832	-0.8832	SLV 7	-0.50177	-0.50177
757	SLU 51	-1.3529	-1.3529	SLV 7	-0.71365	-0.71365
758	SLU 51	-1.34332	-1.34332	SLV 11	-0.71885	-0.71885
759	SLU 51	-1.35478	-1.35478	SLV 7	-0.71543	-0.71543
760	SLU 52	-0.88109	-0.88109	SLV 7	-0.49776	-0.49776
761	SLU 51	-1.35643	-1.35643	SLV 7	-0.71775	-0.71775
762	SLU 52	-0.87884	-0.87884	SLV 7	-0.49273	-0.49273
763	SLU 51	-1.35814	-1.35814	SLV 7	-0.72047	-0.72047
764	SLU 51	-1.36006	-1.36006	SLV 7	-0.72358	-0.72358
765	SLU 52	-0.8759	-0.8759	SLV 7	-0.48678	-0.48678
766	SLU 51	-1.36208	-1.36208	SLV 7	-0.72688	-0.72688
767	SLU 51	-1.36394	-1.36394	SLV 7	-0.73039	-0.73039
768	SLU 50	-0.82301	-0.82301	SLV 7	-0.38332	-0.38332
769	SLU 51	-1.3652	-1.3652	SLV 7	-0.73436	-0.73436
770	SLU 51	-1.36525	-1.36525	SLV 7	-0.73881	-0.73881
771	SLU 51	-1.3579	-1.3579	SLV 11	-0.74785	-0.74785
772	SLU 52	-0.872	-0.872	SLV 7	-0.4799	-0.4799
773	SLU 52	-1.36363	-1.36363	SLV 11	-0.75602	-0.75602
774	SLU 51	-1.3527	-1.3527	SLV 11	-0.74054	-0.74054
775	SLU 52	-1.3701	-1.3701	SLV 11	-0.76433	-0.76433
776	SLU 51	-1.36383	-1.36383	SLV 7	-0.74354	-0.74354
777	SLU 52	-1.37734	-1.37734	SLU 1	-0.77166	-0.77166
778	SLU 52	-1.38692	-1.38692	SLU 1	-0.77714	-0.77714
779	SLU 52	-1.40098	-1.40098	SLU 1	-0.78507	-0.78507
780	SLU 52	-1.65208	-1.65208	SLU 1	-0.92128	-0.92128
781	SLU 52	-1.42103	-1.42103	SLU 1	-0.79619	-0.79619
782	SLU 52	-1.6107	-1.6107	SLU 1	-0.89901	-0.89901
783	SLU 51	-1.34869	-1.34869	SLV 11	-0.73472	-0.73472
784	SLU 52	-1.44876	-1.44876	SLU 1	-0.81141	-0.81141
785	SLU 52	-1.56855	-1.56855	SLU 1	-0.87631	-0.87631
786	SLU 52	-0.86725	-0.86725	SLV 7	-0.47209	-0.47209
787	SLU 52	-1.48405	-1.48405	SLU 1	-0.83062	-0.83062
788	SLU 52	-1.52517	-1.52517	SLU 1	-0.85289	-0.85289
789	SLU 51	-1.36129	-1.36129	SLU 2	-0.74562	-0.74562
790	SLU 50	-0.8618	-0.8618	SLV 7	-0.46327	-0.46327
791	SLU 51	-1.34675	-1.34675	SLV 11	-0.73148	-0.73148
792	SLU 51	-1.01296	-1.01296	SLV 11	-0.56546	-0.56546
793	SLU 51	-1.00911	-1.00911	SLV 11	-0.56173	-0.56173
794	SLU 51	-1.0048	-1.0048	SLV 11	-0.55843	-0.55843

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
795	SLU 51	-1.01661	-1.01661	SLU 2	-0.56772	-0.56772
796	SLU 51	-1.0002	-1.0002	SLV 11	-0.55564	-0.55564
797	SLU 51	-1.02073	-1.02073	SLU 2	-0.57019	-0.57019
798	SLU 51	-0.99566	-0.99566	SLV 11	-0.55352	-0.55352
799	SLU 51	-1.03263	-1.03263	SLU 2	-0.57727	-0.57727
800	SLU 51	-1.02598	-1.02598	SLU 2	-0.57333	-0.57333
801	SLU 51	-1.04044	-1.04044	SLU 2	-0.58184	-0.58184
802	SLU 51	-1.0487	-1.0487	SLU 2	-0.58666	-0.58666
803	SLU 51	-1.13398	-1.13398	SLU 2	-0.63566	-0.63566
804	SLU 51	-1.11588	-1.11588	SLU 2	-0.62574	-0.62574
805	SLU 51	-1.10042	-1.10042	SLU 2	-0.61713	-0.61713
806	SLU 51	-1.08807	-1.08807	SLU 2	-0.61008	-0.61008
807	SLU 51	-1.15354	-1.15354	SLU 2	-0.64622	-0.64622
808	SLU 51	-1.07853	-1.07853	SLU 2	-0.60448	-0.60448
809	SLU 51	-1.06393	-1.06393	SLU 2	-0.59567	-0.59567
810	SLU 51	-0.98716	-0.98716	SLV 11	-0.55116	-0.55116
811	SLU 51	-1.07089	-1.07089	SLU 2	-0.59988	-0.59988
812	SLU 51	-1.05666	-1.05666	SLU 2	-0.59133	-0.59133
813	SLU 51	-0.98265	-0.98265	SLV 11	-0.55045	-0.55045
814	SLU 51	-0.99137	-0.99137	SLV 11	-0.55209	-0.55209
815	SLU 51	-1.17283	-1.17283	SLU 2	-0.65653	-0.65653
816	SLU 51	-1.35834	-1.35834	SLU 2	-0.7447	-0.7447
817	SLU 51	-0.97752	-0.97752	SLV 11	-0.5497	-0.5497
818	SLU 51	-0.9659	-0.9659	SLU 2	-0.54532	-0.54532
819	SLU 51	-0.9718	-0.9718	SLU 2	-0.54793	-0.54793
820	SLU 51	-0.96039	-0.96039	SLU 2	-0.54286	-0.54286
821	SLU 51	-1.1902	-1.1902	SLU 2	-0.66571	-0.66571
822	SLU 51	-1.20474	-1.20474	SLU 2	-0.67327	-0.67327
823	SLU 51	-0.95561	-0.95561	SLU 2	-0.54079	-0.54079
824	SLU 51	-1.2168	-1.2168	SLU 2	-0.6794	-0.6794
825	SLU 51	-1.22776	-1.22776	SLU 2	-0.68481	-0.68481
826	SLU 51	-0.95148	-0.95148	SLU 2	-0.53911	-0.53911
827	SLU 51	-1.23927	-1.23927	SLU 2	-0.69039	-0.69039
828	SLU 51	-1.25254	-1.25254	SLU 2	-0.69677	-0.69677
829	SLU 51	-1.35506	-1.35506	SLU 2	-0.74376	-0.74376
830	SLU 51	-1.26798	-1.26798	SLU 2	-0.7042	-0.7042
831	SLU 51	-0.94746	-0.94746	SLU 2	-0.53757	-0.53757
832	SLU 51	-1.35188	-1.35188	SLU 2	-0.74292	-0.74292
833	SLU 51	-1.2851	-1.2851	SLU 2	-0.71246	-0.71246
834	SLU 50	-0.85576	-0.85576	SLV 7	-0.45344	-0.45344
835	SLU 51	-1.30263	-1.30263	SLU 2	-0.7209	-0.7209
836	SLU 51	-1.31884	-1.31884	SLU 2	-0.72866	-0.72866
837	SLU 51	-1.34792	-1.34792	SLU 2	-0.74165	-0.74165
838	SLU 51	-0.9426	-0.9426	SLU 2	-0.5357	-0.5357
839	SLU 51	-1.33214	-1.33214	SLU 2	-0.73489	-0.73489
840	SLU 51	-1.34173	-1.34173	SLU 2	-0.73918	-0.73918
841	SLU 50	-0.84895	-0.84895	SLV 7	-0.44098	-0.44098
842	SLU 51	-0.93647	-0.93647	SLU 2	-0.53321	-0.53321
843	SLU 51	-0.92901	-0.92901	SLU 2	-0.53	-0.53
844	SLU 50	-0.84216	-0.84216	SLV 7	-0.42848	-0.42848
845	SLU 51	-0.92071	-0.92071	SLU 2	-0.52626	-0.52626
846	SLU 51	-1.34739	-1.34739	SLV 11	-0.73231	-0.73231
847	SLU 51	-0.91227	-0.91227	SLU 2	-0.52236	-0.52236
848	SLU 50	-0.8352	-0.8352	SLV 7	-0.41582	-0.41582
849	SLU 50	-0.80772	-0.80772	SLV 7	-0.36034	-0.36034
850	SLU 51	-0.90429	-0.90429	SLU 2	-0.51862	-0.51862
851	SLU 51	-1.34825	-1.34825	SLV 11	-0.73118	-0.73118
852	SLU 51	-0.89743	-0.89743	SLU 2	-0.51543	-0.51543
853	SLU 51	-1.35001	-1.35001	SLV 11	-0.73027	-0.73027
854	SLU 51	-1.35257	-1.35257	SLV 11	-0.73034	-0.73034
855	SLU 50	-0.81574	-0.81574	SLV 7	-0.37879	-0.37879
856	SLU 51	-0.89198	-0.89198	SLU 2	-0.51298	-0.51298
857	SLU 51	-1.35532	-1.35532	SLV 7	-0.73121	-0.73121
858	SLU 50	-0.82878	-0.82878	SLV 7	-0.40513	-0.40513
859	SLU 51	-0.8879	-0.8879	SLU 2	-0.51129	-0.51129
860	SLU 51	-1.3579	-1.3579	SLV 7	-0.73288	-0.73288
861	SLU 51	-1.3602	-1.3602	SLV 7	-0.73521	-0.73521
862	SLU 51	-0.88482	-0.88482	SLU 2	-0.51023	-0.51023
863	SLU 50	-0.82214	-0.82214	SLV 7	-0.39389	-0.39389
864	SLU 51	-1.36232	-1.36232	SLV 7	-0.73814	-0.73814
865	SLU 52	-0.8823	-0.8823	SLV 7	-0.50901	-0.50901
866	SLU 52	-0.87989	-0.87989	SLV 7	-0.50393	-0.50393
867	SLU 52	-0.87699	-0.87699	SLV 7	-0.49788	-0.49788
868	SLU 51	-1.3644	-1.3644	SLV 7	-0.74146	-0.74146
869	SLU 52	-0.87337	-0.87337	SLV 7	-0.49102	-0.49102
870	SLU 51	-1.36648	-1.36648	SLV 7	-0.74494	-0.74494
871	SLU 51	-1.36837	-1.36837	SLV 7	-0.74827	-0.74827
872	SLU 52	-0.86905	-0.86905	SLV 7	-0.48348	-0.48348
873	SLU 51	-1.36988	-1.36988	SLU 2	-0.75059	-0.75059
874	SLU 51	-1.37063	-1.37063	SLU 2	-0.75056	-0.75056
875	SLU 51	-1.37022	-1.37022	SLU 2	-0.75013	-0.75013
876	SLU 51	-1.36403	-1.36403	SLU 2	-0.76367	-0.76367
877	SLU 51	-1.35931	-1.35931	SLV 11	-0.75787	-0.75787
878	SLU 50	-0.86429	-0.86429	SLV 7	-0.47596	-0.47596
879	SLU 51	-1.36862	-1.36862	SLU 2	-0.74935	-0.74935
880	SLU 52	-1.36991	-1.36991	SLU 1	-0.76756	-0.76756
881	SLU 51	-1.35574	-1.35574	SLV 11	-0.75312	-0.75312
882	SLU 52	-1.39323	-1.39323	SLU 1	-0.78084	-0.78084
883	SLU 52	-1.38383	-1.38383	SLU 1	-0.77551	-0.77551
884	SLU 52	-1.40688	-1.40688	SLU 1	-0.78847	-0.78847
885	SLU 52	-1.42651	-1.42651	SLU 1	-0.79932	-0.79932
886	SLU 52	-1.37682	-1.37682	SLU 1	-0.77151	-0.77151
887	SLU 52	-1.45374	-1.45374	SLU 1	-0.81422	-0.81422
888	SLU 51	-1.36622	-1.36622	SLU 2	-0.7484	-0.7484
889	SLU 52	-1.48885	-1.48885	SLU 1	-0.83328	-0.83328
890	SLU 51	-1.3538	-1.3538	SLV 11	-0.75018	-0.75018
891	SLU 52	-1.53057	-1.53057	SLU 1	-0.85583	-0.85583
892	SLU 52	-1.57483	-1.57483	SLU 1	-0.87968	-0.87968
893	SLU 50	-0.85151	-0.85151	SLV 7	-0.45438	-0.45438

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
894	SLU 52	-1.61718	-1.61718	SLU 1	-0.90245	-0.90245
895	SLU 50	-0.84463	-0.84463	SLV 7	-0.44194	-0.44194
896	SLU 52	-1.65974	-1.65974	SLU 1	-0.92533	-0.92533
897	SLU 51	-1.35365	-1.35365	SLV 11	-0.74914	-0.74914
898	SLU 50	-0.85897	-0.85897	SLV 7	-0.46885	-0.46885
899	SLU 50	-0.83762	-0.83762	SLV 7	-0.43062	-0.43062
900	SLU 51	-1.35456	-1.35456	SLV 11	-0.74837	-0.74837
901	SLU 51	-1.02166	-1.02166	SLU 2	-0.57048	-0.57048
902	SLU 51	-0.99829	-0.99829	SLU 2	-0.5605	-0.5605
903	SLU 51	-1.02498	-1.02498	SLU 2	-0.57232	-0.57232
904	SLU 51	-1.01446	-1.01446	SLU 2	-0.5669	-0.5669
905	SLU 51	-1.01826	-1.01826	SLU 2	-0.56872	-0.56872
906	SLU 51	-1.01038	-1.01038	SLU 2	-0.56507	-0.56507
907	SLU 51	-1.02883	-1.02883	SLU 2	-0.57457	-0.57457
908	SLU 51	-1.03385	-1.03385	SLU 2	-0.57753	-0.57753
909	SLU 51	-1.04031	-1.04031	SLU 2	-0.58131	-0.58131
910	SLU 51	-1.00634	-1.00634	SLU 2	-0.5634	-0.5634
911	SLU 51	-1.04792	-1.04792	SLU 2	-0.58573	-0.58573
912	SLU 51	-0.99364	-0.99364	SLU 2	-0.55881	-0.55881
913	SLU 51	-1.05597	-1.05597	SLU 2	-0.59041	-0.59041
914	SLU 51	-1.1389	-1.1389	SLU 2	-0.63805	-0.63805
915	SLU 51	-1.12098	-1.12098	SLU 2	-0.62824	-0.62824
916	SLU 51	-1.15822	-1.15822	SLU 2	-0.64851	-0.64851
917	SLU 51	-1.10573	-1.10573	SLU 2	-0.61974	-0.61974
918	SLU 51	-1.09366	-1.09366	SLU 2	-0.61285	-0.61285
919	SLU 51	-1.08447	-1.08447	SLU 2	-0.60745	-0.60745
920	SLU 51	-1.07061	-1.07061	SLU 2	-0.59907	-0.59907
921	SLU 51	-1.07721	-1.07721	SLU 2	-0.60307	-0.60307
922	SLU 51	-1.17724	-1.17724	SLU 2	-0.65868	-0.65868
923	SLU 51	-1.06368	-1.06368	SLU 2	-0.59493	-0.59493
924	SLU 51	-1.00241	-1.00241	SLU 2	-0.56195	-0.56195
925	SLU 51	-1.19434	-1.19434	SLU 2	-0.66773	-0.66773
926	SLU 51	-0.98812	-0.98812	SLU 2	-0.5566	-0.5566
927	SLU 51	-1.20861	-1.20861	SLU 2	-0.67516	-0.67516
928	SLU 51	-0.96894	-0.96894	SLU 2	-0.54796	-0.54796
929	SLU 51	-0.9752	-0.9752	SLU 2	-0.55084	-0.55084
930	SLU 51	-0.98181	-0.98181	SLU 2	-0.55385	-0.55385
931	SLU 51	-0.96343	-0.96343	SLU 2	-0.54546	-0.54546
932	SLU 51	-1.22045	-1.22045	SLU 2	-0.68119	-0.68119
933	SLU 51	-1.23115	-1.23115	SLU 2	-0.68649	-0.68649
934	SLU 51	-1.24237	-1.24237	SLU 2	-0.69194	-0.69194
935	SLU 51	-0.95864	-0.95864	SLU 2	-0.5434	-0.5434
936	SLU 51	-1.25539	-1.25539	SLU 2	-0.69822	-0.69822
937	SLU 51	-1.27066	-1.27066	SLU 2	-0.70559	-0.70559
938	SLU 51	-0.95393	-0.95393	SLU 2	-0.54147	-0.54147
939	SLU 51	-1.35651	-1.35651	SLV 11	-0.74825	-0.74825
940	SLU 51	-1.28771	-1.28771	SLU 2	-0.71385	-0.71385
941	SLU 51	-1.35548	-1.35548	SLU 2	-0.74498	-0.74498
942	SLU 51	-1.30524	-1.30524	SLU 2	-0.72234	-0.72234
943	SLU 51	-1.35116	-1.35116	SLU 2	-0.74352	-0.74352
944	SLU 51	-1.32152	-1.32152	SLU 2	-0.73017	-0.73017
945	SLU 51	-1.33494	-1.33494	SLU 2	-0.7365	-0.7365
946	SLU 51	-1.34471	-1.34471	SLU 2	-0.7409	-0.7409
947	SLU 51	-0.9486	-0.9486	SLU 2	-0.53931	-0.53931
948	SLU 51	-1.35932	-1.35932	SLU 2	-0.74619	-0.74619
949	SLU 51	-1.35924	-1.35924	SLV 11	-0.74896	-0.74896
950	SLU 51	-0.94196	-0.94196	SLU 2	-0.53652	-0.53652
951	SLU 51	-1.36218	-1.36218	SLV 11	-0.75041	-0.75041
952	SLU 51	-0.934	-0.934	SLU 2	-0.533	-0.533
953	SLU 51	-0.92527	-0.92527	SLU 2	-0.52898	-0.52898
954	SLU 51	-0.91627	-0.91627	SLU 2	-0.52475	-0.52475
955	SLU 50	-0.8306	-0.8306	SLV 7	-0.42013	-0.42013
956	SLU 51	-0.90766	-0.90766	SLU 2	-0.52065	-0.52065
957	SLU 51	-1.36407	-1.36407	SLU 2	-0.74788	-0.74788
958	SLU 51	-0.90025	-0.90025	SLU 2	-0.51712	-0.51712
959	SLU 51	-1.36502	-1.36502	SLV 7	-0.75269	-0.75269
960	SLU 51	-0.89432	-0.89432	SLU 2	-0.51436	-0.51436
961	SLU 50	-0.80364	-0.80364	SLV 7	-0.37522	-0.37522
962	SLU 51	-0.88991	-0.88991	SLU 2	-0.51245	-0.51245
963	SLU 51	-1.36765	-1.36765	SLU 2	-0.75419	-0.75419
964	SLU 52	-0.87505	-0.87505	SLV 7	-0.50112	-0.50112
965	SLU 52	-0.87103	-0.87103	SLV 7	-0.49371	-0.49371
966	SLU 51	-0.88665	-0.88665	SLU 2	-0.51123	-0.51123
967	SLU 52	-0.87857	-0.87857	SLU 1	-0.50768	-0.50768
968	SLU 51	-1.37011	-1.37011	SLU 2	-0.75458	-0.75458
969	SLU 51	-0.88394	-0.88394	SLU 2	-0.51046	-0.51046
970	SLU 52	-0.86697	-0.86697	SLV 7	-0.48682	-0.48682
971	SLU 50	-0.81295	-0.81295	SLV 7	-0.39334	-0.39334
972	SLU 52	-0.88154	-0.88154	SLU 1	-0.50927	-0.50927
973	SLU 51	-1.37242	-1.37242	SLU 2	-0.75493	-0.75493
974	SLU 50	-0.8636	-0.8636	SLV 7	-0.48145	-0.48145
975	SLU 51	-1.3746	-1.3746	SLU 2	-0.7552	-0.7552
976	SLU 50	-0.82275	-0.82275	SLV 7	-0.41143	-0.41143
977	SLU 51	-1.37657	-1.37657	SLU 2	-0.7554	-0.7554
978	SLU 51	-1.37792	-1.37792	SLU 2	-0.75538	-0.75538
979	SLU 51	-1.37836	-1.37836	SLU 2	-0.75505	-0.75505
980	SLU 51	-1.37746	-1.37746	SLU 2	-0.75426	-0.75426
981	SLU 51	-1.37529	-1.37529	SLU 2	-0.75309	-0.75309
982	SLU 52	-1.37278	-1.37278	SLU 1	-0.76935	-0.76935
983	SLU 51	-1.36795	-1.36795	SLU 2	-0.76549	-0.76549
984	SLU 51	-1.37239	-1.37239	SLU 2	-0.75176	-0.75176
985	SLU 51	-1.36424	-1.36424	SLU 2	-0.76222	-0.76222
986	SLU 50	-0.84697	-0.84697	SLV 7	-0.45385	-0.45385
987	SLU 50	-0.853	-0.853	SLV 7	-0.46449	-0.46449
988	SLU 52	-1.37928	-1.37928	SLU 1	-0.77298	-0.77298
989	SLU 51	-1.37011	-1.37011	SLU 2	-0.75085	-0.75085
990	SLU 51	-1.362	-1.362	SLU 2	-0.75986	-0.75986
991	SLU 52	-1.41455	-1.41455	SLU 1	-0.79277	-0.79277
992	SLU 51	-1.36146	-1.36146	SLU 2	-0.75851	-0.75851

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
993	SLU 52	-1.40191	-1.40191	SLU 1	-0.78573	-0.78573
994	SLU 50	-0.83262	-0.83262	SLV 7	-0.43206	-0.43206
995	SLU 52	-1.43331	-1.43331	SLU 1	-0.80309	-0.80309
996	SLU 52	-1.45999	-1.45999	SLU 1	-0.81764	-0.81764
997	SLU 51	-1.36222	-1.36222	SLU 2	-0.75781	-0.75781
998	SLU 50	-0.82698	-0.82698	SLV 7	-0.42369	-0.42369
999	SLU 52	-1.39377	-1.39377	SLU 1	-0.78113	-0.78113
1000	SLU 50	-0.84049	-0.84049	SLV 7	-0.44513	-0.44513
1001	SLU 52	-1.49477	-1.49477	SLU 1	-0.83648	-0.83648
1002	SLU 51	-1.36446	-1.36446	SLU 2	-0.75791	-0.75791
1003	SLU 50	-0.85925	-0.85925	SLV 7	-0.47777	-0.47777
1004	SLU 51	-1.36749	-1.36749	SLU 2	-0.7584	-0.7584
1005	SLU 52	-1.53693	-1.53693	SLU 1	-0.85921	-0.85921
1006	SLU 51	-1.37066	-1.37066	SLU 2	-0.75898	-0.75898
1007	SLU 50	-0.86455	-0.86455	SLV 7	-0.488	-0.488
1008	SLU 52	-0.87298	-0.87298	SLV 7	-0.50321	-0.50321
1009	SLU 52	-0.86889	-0.86889	SLV 7	-0.49591	-0.49591
1010	SLU 52	-0.87681	-0.87681	SLU 1	-0.50695	-0.50695
1011	SLU 52	-1.5816	-1.5816	SLU 1	-0.88322	-0.88322
1012	SLU 52	-1.38838	-1.38838	SLU 1	-0.77808	-0.77808
1013	SLU 51	-1.37375	-1.37375	SLU 2	-0.75957	-0.75957
1014	SLU 52	-1.62808	-1.62808	SLU 1	-0.90816	-0.90816
1015	SLU 52	-1.67298	-1.67298	SLU 1	-0.93222	-0.93222
1016	SLU 51	-1.01056	-1.01056	SLU 2	-0.56762	-0.56762
1017	SLU 51	-1.37651	-1.37651	SLU 2	-0.76003	-0.76003
1018	SLU 52	-0.88032	-0.88032	SLU 1	-0.50885	-0.50885
1019	SLU 51	-1.01441	-1.01441	SLU 2	-0.56882	-0.56882
1020	SLU 51	-0.8964	-0.8964	SLU 2	-0.51567	-0.51567
1021	SLU 51	-1.03226	-1.03226	SLU 2	-0.57636	-0.57636
1022	SLU 51	-1.03489	-1.03489	SLU 2	-0.57776	-0.57776
1023	SLU 51	-1.02585	-1.02585	SLU 2	-0.57336	-0.57336
1024	SLU 51	-1.00622	-1.00622	SLU 2	-0.56621	-0.56621
1025	SLU 51	-1.03811	-1.03811	SLU 2	-0.57959	-0.57959
1026	SLU 51	-1.02194	-1.02194	SLU 2	-0.57166	-0.57166
1027	SLU 51	-1.0294	-1.0294	SLU 2	-0.57498	-0.57498
1028	SLU 51	-1.04275	-1.04275	SLU 2	-0.58228	-0.58228
1029	SLU 51	-1.04916	-1.04916	SLU 2	-0.58598	-0.58598
1030	SLU 51	-1.01814	-1.01814	SLU 2	-0.57014	-0.57014
1031	SLU 51	-1.05701	-1.05701	SLU 2	-0.59048	-0.59048
1032	SLU 51	-1.14478	-1.14478	SLU 2	-0.64094	-0.64094
1033	SLU 51	-1.16465	-1.16465	SLU 2	-0.65169	-0.65169
1034	SLU 51	-1.12658	-1.12658	SLU 2	-0.63098	-0.63098
1035	SLU 51	-1.11142	-1.11142	SLU 2	-0.62253	-0.62253
1036	SLU 51	-1.09983	-1.09983	SLU 2	-0.61589	-0.61589
1037	SLU 51	-1.06537	-1.06537	SLU 2	-0.59527	-0.59527
1038	SLU 51	-1.09147	-1.09147	SLU 2	-0.61094	-0.61094
1039	SLU 51	-1.07957	-1.07957	SLU 2	-0.60362	-0.60362
1040	SLU 51	-1.08524	-1.08524	SLU 2	-0.60711	-0.60711
1041	SLU 51	-1.18422	-1.18422	SLU 2	-0.66216	-0.66216
1042	SLU 51	-1.21529	-1.21529	SLU 2	-0.67851	-0.67851
1043	SLU 51	-1.07316	-1.07316	SLU 2	-0.59979	-0.59979
1044	SLU 51	-1.20153	-1.20153	SLU 2	-0.67133	-0.67133
1045	SLU 51	-1.22618	-1.22618	SLU 2	-0.68405	-0.68405
1046	SLU 51	-0.97818	-0.97818	SLU 2	-0.55351	-0.55351
1047	SLU 51	-1.00037	-1.00037	SLU 2	-0.56387	-0.56387
1048	SLU 51	-0.98548	-0.98548	SLU 2	-0.557	-0.557
1049	SLU 51	-1.23581	-1.23581	SLU 2	-0.68881	-0.68881
1050	SLU 51	-0.90277	-0.90277	SLU 2	-0.51872	-0.51872
1051	SLU 51	-0.99319	-0.99319	SLU 2	-0.56064	-0.56064
1052	SLU 51	-0.97193	-0.97193	SLU 2	-0.55056	-0.55056
1053	SLU 51	-1.24622	-1.24622	SLU 2	-0.69385	-0.69385
1054	SLU 51	-0.8918	-0.8918	SLU 2	-0.51359	-0.51359
1055	SLU 51	-1.25883	-1.25883	SLU 2	-0.69994	-0.69994
1056	SLU 51	-1.27415	-1.27415	SLU 2	-0.70737	-0.70737
1057	SLU 51	-0.96675	-0.96675	SLU 2	-0.54822	-0.54822
1058	SLU 51	-1.29172	-1.29172	SLU 2	-0.71593	-0.71593
1059	SLU 51	-1.36083	-1.36083	SLU 2	-0.74801	-0.74801
1060	SLU 51	-1.35694	-1.35694	SLU 2	-0.74674	-0.74674
1061	SLU 51	-1.31013	-1.31013	SLU 2	-0.72492	-0.72492
1062	SLU 51	-1.35096	-1.35096	SLU 2	-0.74432	-0.74432
1063	SLU 51	-1.32732	-1.32732	SLU 2	-0.73327	-0.73327
1064	SLU 51	-1.34128	-1.34128	SLU 2	-0.73993	-0.73993
1065	SLU 51	-0.93065	-0.93065	SLU 2	-0.53225	-0.53225
1066	SLU 51	-0.92069	-0.92069	SLU 2	-0.52747	-0.52747
1067	SLU 51	-0.96193	-0.96193	SLU 2	-0.54618	-0.54618
1068	SLU 51	-1.36449	-1.36449	SLU 2	-0.74917	-0.74917
1069	SLU 51	-0.91115	-0.91115	SLU 2	-0.52283	-0.52283
1070	SLU 51	-0.88856	-0.88856	SLU 2	-0.51232	-0.51232
1071	SLU 51	-0.9565	-0.9565	SLU 2	-0.54395	-0.54395
1072	SLU 51	-0.94042	-0.94042	SLU 2	-0.53687	-0.53687
1073	SLU 51	-1.37928	-1.37928	SLU 2	-0.76055	-0.76055
1074	SLU 51	-0.94936	-0.94936	SLU 2	-0.54091	-0.54091
1075	SLU 51	-0.88604	-0.88604	SLU 2	-0.51158	-0.51158
1076	SLU 51	-1.36912	-1.36912	SLU 2	-0.75093	-0.75093
1077	SLU 50	-0.84911	-0.84911	SLV 7	-0.46311	-0.46311
1078	SLU 50	-0.85354	-0.85354	SLV 7	-0.47079	-0.47079
1079	SLU 50	-0.84515	-0.84515	SLV 7	-0.45695	-0.45695
1080	SLU 50	-0.79885	-0.79885	SLV 7	-0.38807	-0.38807
1081	SLU 50	-0.85724	-0.85724	SLV 7	-0.47782	-0.47782
1082	SLU 50	-0.82652	-0.82652	SLV 7	-0.42883	-0.42883
1083	SLU 51	-1.38208	-1.38208	SLU 2	-0.76112	-0.76112
1084	SLU 52	-0.8837	-0.8837	SLU 1	-0.5107	-0.5107
1085	SLU 51	-1.38406	-1.38406	SLU 2	-0.76112	-0.76112
1086	SLU 51	-1.38581	-1.38581	SLU 2	-0.76101	-0.76101
1087	SLU 51	-1.38715	-1.38715	SLU 2	-0.76078	-0.76078
1088	SLU 51	-1.38768	-1.38768	SLU 2	-0.76034	-0.76034
1089	SLU 51	-1.3745	-1.3745	SLU 2	-0.75335	-0.75335
1090	SLU 50	-0.80927	-0.80927	SLV 7	-0.406	-0.406
1091	SLU 51	-1.38651	-1.38651	SLU 2	-0.75932	-0.75932

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
1092	SLU 50	-0.83223	-0.83223	SLV 7	-0.43905	-0.43905
1093	SLU 51	-1.38339	-1.38339	SLU 2	-0.75757	-0.75757
1094	SLU 51	-1.3791	-1.3791	SLU 2	-0.75546	-0.75546
1095	SLU 52	-1.3831	-1.3831	SLU 1	-0.77527	-0.77527
1096	SLU 52	-1.38855	-1.38855	SLU 1	-0.77823	-0.77823
1097	SLU 51	-1.37779	-1.37779	SLU 2	-0.772	-0.772
1098	SLU 51	-1.37355	-1.37355	SLU 2	-0.76853	-0.76853
1099	SLU 50	-0.83977	-0.83977	SLV 7	-0.45157	-0.45157
1100	SLU 52	-1.39305	-1.39305	SLU 1	-0.7807	-0.7807
1101	SLU 50	-0.82079	-0.82079	SLV 7	-0.42467	-0.42467
1102	SLU 50	-0.86629	-0.86629	SLV 7	-0.49692	-0.49692
1103	SLU 52	-0.87048	-0.87048	SLU 1	-0.50372	-0.50372
1104	SLU 50	-0.86211	-0.86211	SLV 7	-0.48965	-0.48965
1105	SLU 51	-1.37073	-1.37073	SLU 2	-0.76592	-0.76592
1106	SLU 52	-0.87466	-0.87466	SLU 1	-0.50598	-0.50598
1107	SLU 52	-0.87839	-0.87839	SLU 1	-0.50799	-0.50799
1108	SLU 51	-1.36983	-1.36983	SLU 2	-0.76438	-0.76438
1109	SLU 51	-1.37073	-1.37073	SLU 2	-0.76375	-0.76375
1110	SLU 52	-0.88147	-0.88147	SLU 1	-0.50965	-0.50965
1111	SLU 51	-1.37328	-1.37328	SLU 2	-0.76398	-0.76398
1112	SLU 51	-1.37676	-1.37676	SLU 2	-0.76465	-0.76465
1113	SLU 50	-0.84555	-0.84555	SLV 7	-0.46226	-0.46226
1114	SLU 50	-0.85861	-0.85861	SLV 7	-0.4846	-0.4846
1115	SLU 51	-1.38037	-1.38037	SLU 2	-0.76543	-0.76543
1116	SLU 50	-0.85041	-0.85041	SLV 7	-0.47056	-0.47056
1117	SLU 50	-0.85472	-0.85472	SLV 7	-0.47801	-0.47801
1118	SLU 52	-0.88356	-0.88356	SLU 1	-0.51078	-0.51078
1119	SLU 51	-1.38353	-1.38353	SLU 2	-0.766	-0.766
1120	SLU 52	-1.42237	-1.42237	SLU 1	-0.79707	-0.79707
1121	SLU 52	-1.44007	-1.44007	SLU 1	-0.80678	-0.80678
1122	SLU 52	-1.41149	-1.41149	SLU 1	-0.79102	-0.79102
1123	SLU 51	-1.38622	-1.38622	SLU 2	-0.76639	-0.76639
1124	SLU 52	-1.46575	-1.46575	SLU 1	-0.82074	-0.82074
1125	SLU 52	-1.40552	-1.40552	SLU 1	-0.78764	-0.78764
1126	SLU 52	-1.50077	-1.50077	SLU 1	-0.83966	-0.83966
1127	SLU 51	-0.89787	-0.89787	SLU 2	-0.51671	-0.51671
1128	SLU 51	-0.89327	-0.89327	SLU 2	-0.51457	-0.51457
1129	SLU 51	-0.90444	-0.90444	SLU 2	-0.51995	-0.51995
1130	SLU 51	-1.389	-1.389	SLU 2	-0.76692	-0.76692
1131	SLU 52	-1.54468	-1.54468	SLU 1	-0.86327	-0.86327
1132	SLU 50	-0.83054	-0.83054	SLV 7	-0.44393	-0.44393
1133	SLU 51	-0.89019	-0.89019	SLU 2	-0.51331	-0.51331
1134	SLU 52	-1.40289	-1.40289	SLU 1	-0.78613	-0.78613
1135	SLU 51	-1.0227	-1.0227	SLU 2	-0.57482	-0.57482
1136	SLU 51	-0.93578	-0.93578	SLU 2	-0.53548	-0.53548
1137	SLU 51	-0.88808	-0.88808	SLU 2	-0.51268	-0.51268
1138	SLU 52	-1.59117	-1.59117	SLU 1	-0.88819	-0.88819
1139	SLU 51	-0.92533	-0.92533	SLU 2	-0.53039	-0.53039
1140	SLU 51	-1.02637	-1.02637	SLU 2	-0.57582	-0.57582
1141	SLU 51	-1.01931	-1.01931	SLU 2	-0.57412	-0.57412
1142	SLU 51	-1.02995	-1.02995	SLU 2	-0.57708	-0.57708
1143	SLU 51	-1.04411	-1.04411	SLU 2	-0.58299	-0.58299
1144	SLU 51	-1.04561	-1.04561	SLU 2	-0.58368	-0.58368
1145	SLU 51	-1.04779	-1.04779	SLU 2	-0.58487	-0.58487
1146	SLU 51	-1.03403	-1.03403	SLU 2	-0.57874	-0.57874
1147	SLU 51	-1.05187	-1.05187	SLU 2	-0.58718	-0.58718
1148	SLU 52	-1.6414	-1.6414	SLU 1	-0.91505	-0.91505
1149	SLU 51	-1.05831	-1.05831	SLU 2	-0.59083	-0.59083
1150	SLU 51	-1.06678	-1.06678	SLU 2	-0.5956	-0.5956
1151	SLU 51	-1.17189	-1.17189	SLU 2	-0.65527	-0.65527
1152	SLU 51	-1.15076	-1.15076	SLU 2	-0.64387	-0.64387
1153	SLU 51	-1.13192	-1.13192	SLU 2	-0.63356	-0.63356
1154	SLU 51	-1.11675	-1.11675	SLU 2	-0.62511	-0.62511
1155	SLU 51	-1.10576	-1.10576	SLU 2	-0.61879	-0.61879
1156	SLU 51	-1.03842	-1.03842	SLU 2	-0.58061	-0.58061
1157	SLU 51	-1.09861	-1.09861	SLU 2	-0.61447	-0.61447
1158	SLU 51	-1.04201	-1.04201	SLU 2	-0.58214	-0.58214
1159	SLU 51	-1.09408	-1.09408	SLU 2	-0.61154	-0.61154
1160	SLU 51	-1.09003	-1.09003	SLU 2	-0.60894	-0.60894
1161	SLU 51	-1.22399	-1.22399	SLU 2	-0.68289	-0.68289
1162	SLU 51	-1.23304	-1.23304	SLU 2	-0.68749	-0.68749
1163	SLU 51	-1.24081	-1.24081	SLU 2	-0.69129	-0.69129
1164	SLU 51	-1.24998	-1.24998	SLU 2	-0.6957	-0.6957
1165	SLU 51	-1.07628	-1.07628	SLU 2	-0.60094	-0.60094
1166	SLU 51	-1.19317	-1.19317	SLU 2	-0.66665	-0.66665
1167	SLU 51	-1.36681	-1.36681	SLU 2	-0.75137	-0.75137
1168	SLU 51	-1.26206	-1.26206	SLU 2	-0.70154	-0.70154
1169	SLU 51	-1.36406	-1.36406	SLU 2	-0.75068	-0.75068
1170	SLU 51	-0.98725	-0.98725	SLU 2	-0.55911	-0.55911
1171	SLU 51	-1.08446	-1.08446	SLU 2	-0.60561	-0.60561
1172	SLU 51	-1.27757	-1.27757	SLU 2	-0.70909	-0.70909
1173	SLU 51	-1.21115	-1.21115	SLU 2	-0.67618	-0.67618
1174	SLU 51	-0.98021	-0.98021	SLU 2	-0.55564	-0.55564
1175	SLU 50	-0.83994	-0.83994	SLV 7	-0.45882	-0.45882
1176	SLU 51	-0.99587	-0.99587	SLU 2	-0.56338	-0.56338
1177	SLU 51	-1.29608	-1.29608	SLU 2	-0.71816	-0.71816
1178	SLU 51	-1.35943	-1.35943	SLU 2	-0.74893	-0.74893
1179	SLU 52	-0.88639	-0.88639	SLU 1	-0.51239	-0.51239
1180	SLU 51	-1.00516	-1.00516	SLU 2	-0.56791	-0.56791
1181	SLU 51	-1.36992	-1.36992	SLU 2	-0.75227	-0.75227
1182	SLU 51	-1.01361	-1.01361	SLU 2	-0.57187	-0.57187
1183	SLU 51	-1.31615	-1.31615	SLU 2	-0.72804	-0.72804
1184	SLU 51	-1.33525	-1.33525	SLU 2	-0.73743	-0.73743
1185	SLU 51	-0.97487	-0.97487	SLU 2	-0.5531	-0.5531
1186	SLU 51	-1.39672	-1.39672	SLU 2	-0.76638	-0.76638
1187	SLU 51	-1.35025	-1.35025	SLU 2	-0.74471	-0.74471
1188	SLU 52	-1.69005	-1.69005	SLU 1	-0.94104	-0.94104
1189	SLU 50	-0.86743	-0.86743	SLU 4	-0.50215	-0.50215
1190	SLU 51	-0.97049	-0.97049	SLU 2	-0.55121	-0.55121

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
1191	SLU 51	-1.39554	-1.39554	SLU 2	-0.76696	-0.76696
1192	SLU 51	-0.94694	-0.94694	SLU 2	-0.54094	-0.54094
1193	SLU 51	-1.37446	-1.37446	SLU 2	-0.75401	-0.75401
1194	SLU 50	-0.86348	-0.86348	SLV 7	-0.49831	-0.49831
1195	SLU 51	-0.91408	-0.91408	SLU 2	-0.52487	-0.52487
1196	SLU 52	-0.87141	-0.87141	SLU 1	-0.5044	-0.5044
1197	SLU 52	-1.40267	-1.40267	SLU 1	-0.78603	-0.78603
1198	SLU 51	-0.96544	-0.96544	SLU 2	-0.54917	-0.54917
1199	SLU 51	-1.39419	-1.39419	SLU 2	-0.76746	-0.76746
1200	SLU 51	-0.9578	-0.9578	SLU 2	-0.54594	-0.54594
1201	SLU 50	-0.85968	-0.85968	SLV 7	-0.49216	-0.49216
1202	SLU 51	-1.39788	-1.39788	SLU 2	-0.7661	-0.7661
1203	SLU 50	-0.8462	-0.8462	SLV 7	-0.46948	-0.46948
1204	SLU 51	-1.3803	-1.3803	SLU 2	-0.75661	-0.75661
1205	SLU 50	-0.8557	-0.8557	SLV 7	-0.48556	-0.48556
1206	SLU 52	-1.39958	-1.39958	SLU 1	-0.78442	-0.78442
1207	SLU 52	-0.8851	-0.8851	SLU 1	-0.51176	-0.51176
1208	SLU 50	-0.85136	-0.85136	SLV 7	-0.47818	-0.47818
1209	SLU 51	-1.3934	-1.3934	SLU 2	-0.76845	-0.76845
1210	SLU 52	-0.88298	-0.88298	SLU 1	-0.51064	-0.51064
1211	SLU 51	-1.38658	-1.38658	SLU 2	-0.7596	-0.7596
1212	SLU 52	-0.8799	-0.8799	SLU 1	-0.50899	-0.50899
1213	SLU 51	-1.39249	-1.39249	SLU 2	-0.7626	-0.7626
1214	SLU 52	-1.39442	-1.39442	SLU 1	-0.7817	-0.7817
1215	SLU 51	-1.39677	-1.39677	SLU 2	-0.76503	-0.76503
1216	SLU 50	-0.7926	-0.7926	SLV 7	-0.39882	-0.39882
1217	SLU 52	-1.38825	-1.38825	SLU 1	-0.77844	-0.77844
1218	SLU 52	-0.87583	-0.87583	SLU 1	-0.50683	-0.50683
1219	SLU 51	-1.3829	-1.3829	SLU 2	-0.77492	-0.77492
1220	SLU 51	-1.3794	-1.3794	SLU 2	-0.77203	-0.77203
1221	SLU 51	-1.38639	-1.38639	SLU 2	-0.77119	-0.77119
1222	SLU 51	-1.38226	-1.38226	SLU 2	-0.77023	-0.77023
1223	SLU 51	-1.39064	-1.39064	SLU 2	-0.77226	-0.77226
1224	SLU 51	-1.37821	-1.37821	SLU 2	-0.77037	-0.77037
1225	SLU 51	-1.37928	-1.37928	SLU 2	-0.76983	-0.76983
1226	SLU 50	-0.80332	-0.80332	SLV 7	-0.41603	-0.41603
1227	SLU 51	-1.39392	-1.39392	SLU 2	-0.77284	-0.77284
1228	SLU 51	-1.39591	-1.39591	SLU 2	-0.77278	-0.77278
1229	SLU 50	-0.81627	-0.81627	SLV 7	-0.43416	-0.43416
1230	SLU 51	-1.39717	-1.39717	SLU 2	-0.77248	-0.77248
1231	SLU 50	-0.8287	-0.8287	SLV 7	-0.4512	-0.4512
1232	SLU 51	-0.90433	-0.90433	SLU 2	-0.52023	-0.52023
1233	SLU 51	-0.89842	-0.89842	SLU 2	-0.5173	-0.5173
1234	SLU 50	-0.86773	-0.86773	SLU 4	-0.5025	-0.5025
1235	SLU 52	-0.87123	-0.87123	SLU 1	-0.50447	-0.50447
1236	SLU 52	-0.87397	-0.87397	SLU 1	-0.50595	-0.50595
1237	SLU 51	-1.39838	-1.39838	SLU 2	-0.7724	-0.7724
1238	SLU 51	-0.91017	-0.91017	SLU 2	-0.52319	-0.52319
1239	SLU 50	-0.86396	-0.86396	SLU 4	-0.50035	-0.50035
1240	SLU 51	-0.93912	-0.93912	SLU 2	-0.53773	-0.53773
1241	SLU 51	-0.89393	-0.89393	SLU 2	-0.51518	-0.51518
1242	SLU 50	-0.86019	-0.86019	SLU 4	-0.49819	-0.49819
1243	SLU 50	-0.84177	-0.84177	SLV 7	-0.46952	-0.46952
1244	SLU 52	-1.42903	-1.42903	SLU 1	-0.8007	-0.8007
1245	SLU 50	-0.85617	-0.85617	SLV 7	-0.49309	-0.49309
1246	SLU 52	-1.44519	-1.44519	SLU 1	-0.80954	-0.80954
1247	SLU 52	-1.41989	-1.41989	SLU 1	-0.79561	-0.79561
1248	SLU 51	-0.89096	-0.89096	SLU 2	-0.51392	-0.51392
1249	SLU 51	-1.40405	-1.40405	SLU 2	-0.77081	-0.77081
1250	SLU 51	-1.0319	-1.0319	SLU 2	-0.58057	-0.58057
1251	SLU 50	-0.85204	-0.85204	SLV 7	-0.48642	-0.48642
1252	SLU 50	-0.84725	-0.84725	SLV 7	-0.47859	-0.47859
1253	SLU 52	-1.46993	-1.46993	SLU 1	-0.82295	-0.82295
1254	SLU 52	-1.41591	-1.41591	SLU 1	-0.79333	-0.79333
1255	SLU 51	-0.88914	-0.88914	SLU 2	-0.51338	-0.51338
1256	SLU 52	-0.8811	-0.8811	SLU 1	-0.50983	-0.50983
1257	SLU 52	-1.50461	-1.50461	SLU 1	-0.84163	-0.84163
1258	SLU 51	-0.93073	-0.93073	SLU 2	-0.53369	-0.53369
1259	SLU 52	-0.88417	-0.88417	SLU 1	-0.51148	-0.51148
1260	SLU 52	-1.41511	-1.41511	SLU 1	-0.79283	-0.79283
1261	SLU 52	-0.88642	-0.88642	SLU 1	-0.51269	-0.51269
1262	SLU 51	-0.88786	-0.88786	SLU 2	-0.51325	-0.51325
1263	SLU 52	-0.87757	-0.87757	SLU 1	-0.50796	-0.50796
1264	SLU 52	-1.41433	-1.41433	SLU 1	-0.79245	-0.79245
1265	SLU 51	-1.40432	-1.40432	SLU 2	-0.77241	-0.77241
1266	SLU 52	-1.54834	-1.54834	SLU 1	-0.86508	-0.86508
1267	SLU 52	-1.41128	-1.41128	SLU 1	-0.79093	-0.79093
1268	SLU 51	-0.92028	-0.92028	SLU 2	-0.52852	-0.52852
1269	SLU 51	-1.0372	-1.0372	SLU 2	-0.58259	-0.58259
1270	SLU 51	-1.40762	-1.40762	SLU 2	-0.77173	-0.77173
1271	SLU 51	-1.40336	-1.40336	SLU 2	-0.77316	-0.77316
1272	SLU 52	-0.87437	-0.87437	SLU 1	-0.50629	-0.50629
1273	SLU 51	-1.03185	-1.03185	SLU 2	-0.58198	-0.58198
1274	SLU 51	-1.04076	-1.04076	SLU 2	-0.58388	-0.58388
1275	SLU 51	-1.37418	-1.37418	SLU 2	-0.75474	-0.75474
1276	SLU 51	-1.05576	-1.05576	SLU 2	-0.58938	-0.58938
1277	SLU 51	-1.37892	-1.37892	SLU 2	-0.7566	-0.7566
1278	SLU 51	-1.37155	-1.37155	SLU 2	-0.75409	-0.75409
1279	SLU 51	-1.05602	-1.05602	SLU 2	-0.58977	-0.58977
1280	SLU 51	-1.05665	-1.05665	SLU 2	-0.58977	-0.58977
1281	SLU 52	-1.40557	-1.40557	SLU 1	-0.78804	-0.78804
1282	SLU 51	-1.40309	-1.40309	SLU 2	-0.77434	-0.77434
1283	SLU 51	-1.37025	-1.37025	SLU 2	-0.75414	-0.75414
1284	SLU 51	-1.06002	-1.06002	SLU 2	-0.59161	-0.59161
1285	SLU 51	-1.38565	-1.38565	SLU 2	-0.75966	-0.75966
1286	SLU 51	-1.06639	-1.06639	SLU 2	-0.59514	-0.59514
1287	SLU 51	-1.15541	-1.15541	SLU 2	-0.64608	-0.64608
1288	SLU 51	-1.1359	-1.1359	SLU 2	-0.63543	-0.63543
1289	SLU 51	-1.12071	-1.12071	SLU 2	-0.62697	-0.62697

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
1290	SLU 51	-1.11031	-1.11031	SLU 2	-0.62096	-0.62096
1291	SLU 51	-1.10442	-1.10442	SLU 2	-0.6173	-0.6173
1292	SLU 51	-1.04549	-1.04549	SLU 2	-0.58581	-0.58581
1293	SLU 51	-1.40149	-1.40149	SLU 2	-0.76765	-0.76765
1294	SLU 51	-1.24449	-1.24449	SLU 2	-0.69306	-0.69306
1295	SLU 51	-1.39362	-1.39362	SLU 2	-0.76356	-0.76356
1296	SLU 51	-1.10189	-1.10189	SLU 2	-0.61542	-0.61542
1297	SLU 51	-1.25239	-1.25239	SLU 2	-0.69682	-0.69682
1298	SLU 51	-1.07574	-1.07574	SLU 2	-0.60033	-0.60033
1299	SLU 51	-1.26395	-1.26395	SLU 2	-0.70241	-0.70241
1300	SLU 51	-1.23891	-1.23891	SLU 2	-0.69039	-0.69039
1301	SLU 51	-1.17825	-1.17825	SLU 2	-0.65839	-0.65839
1302	SLU 51	-1.05088	-1.05088	SLU 2	-0.58805	-0.58805
1303	SLU 51	-1.27963	-1.27963	SLU 2	-0.71007	-0.71007
1304	SLU 51	-1.10038	-1.10038	SLU 2	-0.61417	-0.61417
1305	SLU 51	-1.23279	-1.23279	SLU 2	-0.68731	-0.68731
1306	SLU 52	-1.59846	-1.59846	SLU 1	-0.89185	-0.89185
1307	SLU 51	-1.368	-1.368	SLU 2	-0.75361	-0.75361
1308	SLU 51	-1.29906	-1.29906	SLU 2	-0.71964	-0.71964
1309	SLU 52	-0.87102	-0.87102	SLU 1	-0.50452	-0.50452
1310	SLU 51	-1.32104	-1.32104	SLU 2	-0.73053	-0.73053
1311	SLU 51	-0.98701	-0.98701	SLU 2	-0.5601	-0.5601
1312	SLU 51	-0.99483	-0.99483	SLU 2	-0.56411	-0.56411
1313	SLU 51	-1.20199	-1.20199	SLU 2	-0.67106	-0.67106
1314	SLU 51	-1.08687	-1.08687	SLU 2	-0.60649	-0.60649
1315	SLU 51	-1.0554	-1.0554	SLU 2	-0.58989	-0.58989
1316	SLU 52	-1.3981	-1.3981	SLU 1	-0.78416	-0.78416
1317	SLU 51	-0.9815	-0.9815	SLU 2	-0.55735	-0.55735
1318	SLU 51	-1.34312	-1.34312	SLU 2	-0.74152	-0.74152
1319	SLU 51	-1.00501	-1.00501	SLU 2	-0.56932	-0.56932
1320	SLU 51	-1.39565	-1.39565	SLU 2	-0.77768	-0.77768
1321	SLU 50	-0.86741	-0.86741	SLU 4	-0.50252	-0.50252
1322	SLU 51	-1.09656	-1.09656	SLU 2	-0.61187	-0.61187
1323	SLU 51	-1.22204	-1.22204	SLU 2	-0.68167	-0.68167
1324	SLU 51	-1.40096	-1.40096	SLU 2	-0.77927	-0.77927
1325	SLU 51	-1.0166	-1.0166	SLU 2	-0.57515	-0.57515
1326	SLU 51	-1.02705	-1.02705	SLU 2	-0.58017	-0.58017
1327	SLU 51	-0.97769	-0.97769	SLU 2	-0.5556	-0.5556
1328	SLU 52	-1.6542	-1.6542	SLU 1	-0.92158	-0.92158
1329	SLU 51	-1.36052	-1.36052	SLU 2	-0.75016	-0.75016
1330	SLU 50	-0.86365	-0.86365	SLU 4	-0.5004	-0.5004
1331	SLU 51	-1.39061	-1.39061	SLU 2	-0.77627	-0.77627
1332	SLU 51	-1.40759	-1.40759	SLU 2	-0.77118	-0.77118
1333	SLU 52	-1.39136	-1.39136	SLU 1	-0.78062	-0.78062
1334	SLU 50	-0.83401	-0.83401	SLV 7	-0.46672	-0.46672
1335	SLU 51	-1.40479	-1.40479	SLU 2	-0.78007	-0.78007
1336	SLU 51	-0.97382	-0.97382	SLU 2	-0.55411	-0.55411
1337	SLU 50	-0.85987	-0.85987	SLU 4	-0.49825	-0.49825
1338	SLU 51	-0.9507	-0.9507	SLU 2	-0.54389	-0.54389
1339	SLU 51	-1.40443	-1.40443	SLU 2	-0.7763	-0.7763
1340	SLU 52	-1.70693	-1.70693	SLU 1	-0.94964	-0.94964
1341	SLU 51	-1.38701	-1.38701	SLU 2	-0.77561	-0.77561
1342	SLU 51	-1.40571	-1.40571	SLU 2	-0.77929	-0.77929
1343	SLU 51	-1.38713	-1.38713	SLU 2	-0.77783	-0.77783
1344	SLU 51	-1.40527	-1.40527	SLU 2	-0.77789	-0.77789
1345	SLU 51	-0.96629	-0.96629	SLU 2	-0.55113	-0.55113
1346	SLU 51	-0.91206	-0.91206	SLU 2	-0.52447	-0.52447
1347	SLU 50	-0.85594	-0.85594	SLU 4	-0.49604	-0.49604
1348	SLU 51	-1.38593	-1.38593	SLU 2	-0.77624	-0.77624
1349	SLU 50	-0.82432	-0.82432	SLV 7	-0.4561	-0.4561
1350	SLU 50	-0.78413	-0.78413	SLV 7	-0.40718	-0.40718
1351	SLU 50	-0.85195	-0.85195	SLU 4	-0.49379	-0.49379
1352	SLU 51	-0.90458	-0.90458	SLU 2	-0.52071	-0.52071
1353	SLU 52	-0.88125	-0.88125	SLU 1	-0.51009	-0.51009
1354	SLU 50	-0.84737	-0.84737	SLV 7	-0.48842	-0.48842
1355	SLU 51	-0.89827	-0.89827	SLU 2	-0.51756	-0.51756
1356	SLU 50	-0.7957	-0.7957	SLV 7	-0.42352	-0.42352
1357	SLU 52	-0.87776	-0.87776	SLU 1	-0.50825	-0.50825
1358	SLU 50	-0.84237	-0.84237	SLV 7	-0.48148	-0.48148
1359	SLU 51	-0.89353	-0.89353	SLU 2	-0.51528	-0.51528
1360	SLU 52	-0.88417	-0.88417	SLU 1	-0.51169	-0.51169
1361	SLU 52	-0.87404	-0.87404	SLU 1	-0.5063	-0.5063
1362	SLU 50	-0.80956	-0.80956	SLV 7	-0.44228	-0.44228
1363	SLU 51	-0.89043	-0.89043	SLU 2	-0.51393	-0.51393
1364	SLU 52	-0.87021	-0.87021	SLU 1	-0.50428	-0.50428
1365	SLU 51	-0.93664	-0.93664	SLU 2	-0.53725	-0.53725
1366	SLU 50	-0.86632	-0.86632	SLU 4	-0.50215	-0.50215
1367	SLU 52	-0.88643	-0.88643	SLU 1	-0.51296	-0.51296
1368	SLU 50	-0.86247	-0.86247	SLU 4	-0.49999	-0.49999
1369	SLU 51	-0.88856	-0.88856	SLU 2	-0.51335	-0.51335
1370	SLU 52	-1.43302	-1.43302	SLU 1	-0.80286	-0.80286
1371	SLU 52	-1.42508	-1.42508	SLU 1	-0.79846	-0.79846
1372	SLU 52	-1.44787	-1.44787	SLU 1	-0.81096	-0.81096
1373	SLU 50	-0.83336	-0.83336	SLV 7	-0.47384	-0.47384
1374	SLU 50	-0.85872	-0.85872	SLU 4	-0.49788	-0.49788
1375	SLU 52	-1.42252	-1.42252	SLU 1	-0.79697	-0.79697
1376	SLU 52	-1.47108	-1.47108	SLU 1	-0.8235	-0.8235
1377	SLU 52	-1.42315	-1.42315	SLU 1	-0.79724	-0.79724
1378	SLU 52	-1.42395	-1.42395	SLU 1	-0.79772	-0.79772
1379	SLU 52	-1.42134	-1.42134	SLU 1	-0.79654	-0.79654
1380	SLU 50	-0.85499	-0.85499	SLU 4	-0.4958	-0.4958
1381	SLU 52	-1.50364	-1.50364	SLU 1	-0.84099	-0.84099
1382	SLU 51	-0.88732	-0.88732	SLU 2	-0.51332	-0.51332
1383	SLU 52	-0.8802	-0.8802	SLU 1	-0.50968	-0.50968
1384	SLU 51	-0.92376	-0.92376	SLU 2	-0.53081	-0.53081
1385	SLU 51	-1.41357	-1.41357	SLU 2	-0.77673	-0.77673
1386	SLU 50	-0.82273	-0.82273	SLV 7	-0.4636	-0.4636
1387	SLU 51	-1.40325	-1.40325	SLU 2	-0.78336	-0.78336
1388	SLU 51	-1.4096	-1.4096	SLU 2	-0.78549	-0.78549

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
1389	SLU 51	-1.41073	-1.41073	SLU 2	-0.77797	-0.77797
1390	SLU 51	-1.41038	-1.41038	SLU 2	-0.77913	-0.77913
1391	SLU 51	-1.41205	-1.41205	SLU 2	-0.77731	-0.77731
1392	SLU 50	-0.85093	-0.85093	SLU 4	-0.4936	-0.4936
1393	SLU 52	-0.87704	-0.87704	SLU 1	-0.50804	-0.50804
1394	SLU 52	-1.41408	-1.41408	SLU 1	-0.79296	-0.79296
1395	SLU 51	-1.41116	-1.41116	SLU 2	-0.78089	-0.78089
1396	SLU 51	-1.41257	-1.41257	SLU 2	-0.78297	-0.78297
1397	SLU 51	-1.39779	-1.39779	SLU 2	-0.78189	-0.78189
1398	SLU 52	-1.40525	-1.40525	SLU 1	-0.78842	-0.78842
1399	SLU 52	-1.54453	-1.54453	SLU 1	-0.86285	-0.86285
1400	SLU 51	-1.41425	-1.41425	SLU 2	-0.78523	-0.78523
1401	SLU 52	-0.87287	-0.87287	SLU 1	-0.50586	-0.50586
1402	SLU 50	-0.81316	-0.81316	SLV 7	-0.45431	-0.45431
1403	SLU 51	-1.4161	-1.4161	SLU 2	-0.77701	-0.77701
1404	SLU 51	-0.91306	-0.91306	SLU 2	-0.5254	-0.5254
1405	SLU 51	-1.38891	-1.38891	SLU 2	-0.76167	-0.76167
1406	SLU 51	-1.39838	-1.39838	SLU 2	-0.76641	-0.76641
1407	SLU 51	-1.38115	-1.38115	SLU 2	-0.75804	-0.75804
1408	SLU 50	-0.84593	-0.84593	SLU 4	-0.49086	-0.49086
1409	SLU 52	-1.39796	-1.39796	SLU 1	-0.78466	-0.78466
1410	SLU 51	-1.41537	-1.41537	SLU 2	-0.78742	-0.78742
1411	SLU 51	-1.37585	-1.37585	SLU 2	-0.75586	-0.75586
1412	SLU 51	-1.39352	-1.39352	SLU 2	-0.78094	-0.78094
1413	SLU 52	-0.86854	-0.86854	SLU 1	-0.5036	-0.5036
1414	SLU 51	-1.37318	-1.37318	SLU 2	-0.75516	-0.75516
1415	SLU 51	-1.40839	-1.40839	SLU 2	-0.77175	-0.77175
1416	SLU 51	-1.06368	-1.06368	SLU 2	-0.59404	-0.59404
1417	SLU 50	-0.86431	-0.86431	SLU 4	-0.5013	-0.5013
1418	SLU 51	-1.37247	-1.37247	SLU 2	-0.75551	-0.75551
1419	SLU 51	-0.90418	-0.90418	SLU 2	-0.52089	-0.52089
1420	SLU 51	-1.06344	-1.06344	SLU 2	-0.59368	-0.59368
1421	SLU 51	-1.04952	-1.04952	SLU 2	-0.59006	-0.59006
1422	SLU 50	-0.85387	-0.85387	SLU 4	-0.49543	-0.49543
1423	SLU 52	-1.39337	-1.39337	SLU 1	-0.78233	-0.78233
1424	SLU 50	-0.86034	-0.86034	SLU 4	-0.49908	-0.49908
1425	SLU 51	-1.06605	-1.06605	SLU 2	-0.59499	-0.59499
1426	SLU 50	-0.85667	-0.85667	SLU 4	-0.49702	-0.49702
1427	SLU 51	-1.04633	-1.04633	SLU 2	-0.5892	-0.5892
1428	SLU 51	-1.07202	-1.07202	SLU 2	-0.59822	-0.59822
1429	SLU 51	-1.06577	-1.06577	SLU 2	-0.59557	-0.59557
1430	SLU 51	-1.15722	-1.15722	SLU 2	-0.64681	-0.64681
1431	SLU 51	-1.13747	-1.13747	SLU 2	-0.63604	-0.63604
1432	SLU 51	-1.12239	-1.12239	SLU 2	-0.62764	-0.62764
1433	SLU 51	-1.11241	-1.11241	SLU 2	-0.62187	-0.62187
1434	SLU 51	-1.1073	-1.1073	SLU 2	-0.61863	-0.61863
1435	SLU 51	-1.24511	-1.24511	SLU 2	-0.69321	-0.69321
1436	SLU 51	-1.25224	-1.25224	SLU 2	-0.69659	-0.69659
1437	SLU 51	-1.08142	-1.08142	SLU 2	-0.60337	-0.60337
1438	SLU 51	-1.26343	-1.26343	SLU 2	-0.70201	-0.70201
1439	SLU 50	-0.84059	-0.84059	SLU 4	-0.48794	-0.48794
1440	SLU 51	-1.18077	-1.18077	SLU 2	-0.65948	-0.65948
1441	SLU 51	-1.27907	-1.27907	SLU 2	-0.70968	-0.70968
1442	SLU 51	-1.24083	-1.24083	SLU 2	-0.69121	-0.69121
1443	SLU 51	-1.29883	-1.29883	SLU 2	-0.71946	-0.71946
1444	SLU 51	-1.10608	-1.10608	SLU 2	-0.61746	-0.61746
1445	SLU 52	-0.88139	-0.88139	SLU 1	-0.51044	-0.51044
1446	SLU 51	-0.99113	-0.99113	SLU 2	-0.5634	-0.5634
1447	SLU 51	-1.05485	-1.05485	SLU 2	-0.5922	-0.5922
1448	SLU 51	-1.32163	-1.32163	SLU 2	-0.7308	-0.7308
1449	SLU 51	-0.89709	-0.89709	SLU 2	-0.51733	-0.51733
1450	SLU 51	-1.20642	-1.20642	SLU 2	-0.67315	-0.67315
1451	SLU 51	-1.0612	-1.0612	SLU 2	-0.5947	-0.5947
1452	SLU 51	-0.98522	-0.98522	SLU 2	-0.5603	-0.5603
1453	SLU 51	-0.99967	-0.99967	SLU 2	-0.56792	-0.56792
1454	SLU 51	-1.23721	-1.23721	SLU 2	-0.68942	-0.68942
1455	SLU 51	-1.09374	-1.09374	SLU 2	-0.61014	-0.61014
1456	SLU 51	-1.10685	-1.10685	SLU 2	-0.6174	-0.6174
1457	SLU 51	-1.3719	-1.3719	SLU 2	-0.75588	-0.75588
1458	SLU 51	-1.34599	-1.34599	SLU 2	-0.74296	-0.74296
1459	SLU 51	-1.01082	-1.01082	SLU 2	-0.57376	-0.57376
1460	SLU 51	-0.98135	-0.98135	SLU 2	-0.55838	-0.55838
1461	SLU 51	-1.39237	-1.39237	SLU 2	-0.78191	-0.78191
1462	SLU 51	-1.02445	-1.02445	SLU 2	-0.5808	-0.5808
1463	SLU 51	-0.97821	-0.97821	SLU 2	-0.55703	-0.55703
1464	SLU 51	-0.89187	-0.89187	SLU 2	-0.51479	-0.51479
1465	SLU 52	-0.88531	-0.88531	SLU 1	-0.51261	-0.51261
1466	SLU 52	-1.65891	-1.65891	SLU 1	-0.92374	-0.92374
1467	SLU 51	-1.04234	-1.04234	SLU 2	-0.58918	-0.58918
1468	SLU 52	-1.59659	-1.59659	SLU 1	-0.89054	-0.89054
1469	SLU 52	-1.71423	-1.71423	SLU 1	-0.95307	-0.95307
1471	SLU 52	-1.42722	-1.42722	SLU 1	-0.79975	-0.79975
1472	SLU 51	-1.41784	-1.41784	SLU 2	-0.78985	-0.78985
1473	SLU 51	-1.41684	-1.41684	SLU 2	-0.77678	-0.77678
1474	SLU 51	-1.36704	-1.36704	SLU 2	-0.75366	-0.75366
1475	SLU 51	-1.2303	-1.2303	SLU 2	-0.68578	-0.68578
1476	SLU 51	-1.10625	-1.10625	SLU 2	-0.6169	-0.6169
1477	SLU 51	-1.06789	-1.06789	SLU 2	-0.59743	-0.59743
1478	SLU 51	-1.03859	-1.03859	SLU 2	-0.58783	-0.58783
1479	SLU 51	-0.97291	-0.97291	SLU 2	-0.5553	-0.5553
1480	SLU 52	-0.88376	-0.88376	SLU 1	-0.51178	-0.51178
1481	SLU 51	-0.88834	-0.88834	SLU 2	-0.51321	-0.51321
1482	SLU 50	-0.77306	-0.77306	SLV 7	-0.41274	-0.41274
1483	SLU 52	-0.87575	-0.87575	SLU 1	-0.50755	-0.50755
1484	SLU 51	-1.04521	-1.04521	SLU 2	-0.58998	-0.58998
1485	SLU 50	-0.83028	-0.83028	SLV 3	-0.478	-0.478
1486	SLU 51	-0.95617	-0.95617	SLU 2	-0.54769	-0.54769
1487	SLU 50	-0.78424	-0.78424	SLV 3	-0.42635	-0.42635
1488	SLU 51	-1.41406	-1.41406	SLU 2	-0.78935	-0.78935

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
1489	SLU 50	-0.84932	-0.84932	SLU 4	-0.49313	-0.49313
1490	SLU 51	-0.8861	-0.8861	SLU 2	-0.5124	-0.5124
1491	SLU 52	-0.87059	-0.87059	SLU 1	-0.50487	-0.50487
1492	SLU 50	-0.79641	-0.79641	SLV 3	-0.44062	-0.44062
1493	SLU 52	-0.86571	-0.86571	SLU 1	-0.50232	-0.50232
1494	SLU 50	-0.8178	-0.8178	SLV 3	-0.46491	-0.46491
1495	SLU 52	-1.42728	-1.42728	SLU 1	-0.79964	-0.79964
1496	SLU 50	-0.85315	-0.85315	SLU 4	-0.49536	-0.49536
1497	SLU 51	-0.9392	-0.9392	SLU 2	-0.53917	-0.53917
1498	SLU 51	-1.40865	-1.40865	SLU 2	-0.78791	-0.78791
1499	SLU 50	-0.86114	-0.86114	SLU 4	-0.49984	-0.49984
1500	SLU 52	-1.43358	-1.43358	SLU 1	-0.80318	-0.80318
1501	SLU 50	-0.85707	-0.85707	SLU 4	-0.49757	-0.49757
1502	SLU 52	-1.42627	-1.42627	SLU 1	-0.79917	-0.79917
1503	SLU 52	-1.42412	-1.42412	SLU 1	-0.79794	-0.79794
1504	SLU 50	-0.80622	-0.80622	SLV 3	-0.45231	-0.45231
1505	SLU 52	-1.44732	-1.44732	SLU 1	-0.81062	-0.81062
1506	SLU 51	-0.88441	-0.88441	SLU 2	-0.51202	-0.51202
1507	SLU 52	-1.42525	-1.42525	SLU 1	-0.79851	-0.79851
1508	SLU 52	-1.46887	-1.46887	SLU 1	-0.82222	-0.82222
1509	SLU 50	-0.84296	-0.84296	SLU 4	-0.48969	-0.48969
1510	SLU 51	-1.41658	-1.41658	SLU 2	-0.78497	-0.78497
1511	SLU 51	-1.41576	-1.41576	SLU 2	-0.78308	-0.78308
1512	SLU 52	-1.41739	-1.41739	SLU 1	-0.79504	-0.79504
1513	SLU 51	-1.41808	-1.41808	SLU 2	-0.78722	-0.78722
1514	SLU 52	-1.49865	-1.49865	SLU 1	-0.83817	-0.83817
1515	SLU 51	-1.4158	-1.4158	SLU 2	-0.78167	-0.78167
1516	SLU 51	-0.92455	-0.92455	SLU 2	-0.53173	-0.53173
1517	SLU 51	-1.41973	-1.41973	SLU 2	-0.78959	-0.78959
1518	SLU 51	-1.39773	-1.39773	SLU 2	-0.78487	-0.78487
1519	SLU 52	-1.39565	-1.39565	SLU 1	-0.78415	-0.78415
1520	SLU 52	-0.8826	-0.8826	SLU 1	-0.51134	-0.51134
1521	SLU 51	-1.4167	-1.4167	SLU 2	-0.78074	-0.78074
1522	SLU 51	-1.41777	-1.41777	SLU 2	-0.77985	-0.77985
1523	SLU 52	-1.53353	-1.53353	SLU 1	-0.85678	-0.85678
1524	SLU 52	-1.40828	-1.40828	SLU 1	-0.79043	-0.79043
1525	SLU 51	-1.40338	-1.40338	SLU 2	-0.78692	-0.78692
1526	SLU 51	-1.42068	-1.42068	SLU 2	-0.79159	-0.79159
1527	SLU 51	-0.91246	-0.91246	SLU 2	-0.52554	-0.52554
1528	SLU 51	-1.4186	-1.4186	SLU 2	-0.7791	-0.7791
1529	SLU 52	-0.88043	-0.88043	SLU 1	-0.51023	-0.51023
1530	SLU 52	-1.40143	-1.40143	SLU 1	-0.78698	-0.78698
1531	SLU 52	-0.87694	-0.87694	SLU 1	-0.50838	-0.50838
1532	SLU 50	-0.83653	-0.83653	SLU 4	-0.48628	-0.48628
1533	SLU 51	-1.39929	-1.39929	SLU 2	-0.76734	-0.76734
1534	SLU 51	-1.40936	-1.40936	SLU 2	-0.7728	-0.7728
1535	SLU 51	-1.38923	-1.38923	SLU 2	-0.7622	-0.7622
1536	SLU 52	-1.56353	-1.56353	SLU 1	-0.87275	-0.87275
1537	SLU 51	-0.90257	-0.90257	SLU 2	-0.52049	-0.52049
1538	SLU 52	-0.87182	-0.87182	SLU 1	-0.50572	-0.50572
1539	SLU 51	-1.41648	-1.41648	SLU 2	-0.77712	-0.77712
1540	SLU 51	-1.41991	-1.41991	SLU 2	-0.79262	-0.79262
1541	SLU 51	-1.38057	-1.38057	SLU 2	-0.75804	-0.75804
1542	SLU 52	-1.39724	-1.39724	SLU 1	-0.78495	-0.78495
1543	SLU 51	-0.89474	-0.89474	SLU 2	-0.51653	-0.51653
1544	SLU 52	-0.86637	-0.86637	SLU 1	-0.50289	-0.50289
1545	SLU 51	-1.37433	-1.37433	SLU 2	-0.75532	-0.75532
1546	SLU 51	-1.05149	-1.05149	SLU 2	-0.59361	-0.59361
1547	SLU 50	-0.85297	-0.85297	SLU 4	-0.49562	-0.49562
1548	SLU 50	-0.84882	-0.84882	SLU 4	-0.49332	-0.49332
1549	SLU 52	-0.86134	-0.86134	SLU 1	-0.50025	-0.50025
1550	SLU 51	-1.04948	-1.04948	SLU 2	-0.59317	-0.59317
1551	SLU 50	-0.84417	-0.84417	SLU 4	-0.49074	-0.49074
1552	SLU 51	-1.41656	-1.41656	SLU 2	-0.79228	-0.79228
1553	SLU 51	-1.37067	-1.37067	SLU 2	-0.75405	-0.75405
1554	SLU 51	-1.07003	-1.07003	SLU 2	-0.59867	-0.59867
1555	SLU 50	-0.85649	-0.85649	SLU 4	-0.49762	-0.49762
1556	SLU 51	-0.88887	-0.88887	SLU 2	-0.51365	-0.51365
1557	SLU 51	-1.055	-1.055	SLU 2	-0.59482	-0.59482
1558	SLU 51	-1.06828	-1.06828	SLU 2	-0.59711	-0.59711
1559	SLU 52	-1.39606	-1.39606	SLU 1	-0.78454	-0.78454
1560	SLU 51	-1.07016	-1.07016	SLU 2	-0.59966	-0.59966
1561	SLU 51	-1.41204	-1.41204	SLU 2	-0.79108	-0.79108
1562	SLU 51	-1.06608	-1.06608	SLU 2	-0.59866	-0.59866
1563	SLU 50	-0.83862	-0.83862	SLU 4	-0.4877	-0.4877
1564	SLU 51	-1.36859	-1.36859	SLU 2	-0.75363	-0.75363
1565	SLU 51	-0.88467	-0.88467	SLU 2	-0.51173	-0.51173
1566	SLU 51	-1.06758	-1.06758	SLU 2	-0.59634	-0.59634
1567	SLU 51	-1.06936	-1.06936	SLU 2	-0.59704	-0.59704
1568	SLU 51	-1.07447	-1.07447	SLU 2	-0.59969	-0.59969
1569	SLU 51	-1.08266	-1.08266	SLU 2	-0.60411	-0.60411
1570	SLU 51	-1.09276	-1.09276	SLU 2	-0.60961	-0.60961
1571	SLU 51	-1.10641	-1.10641	SLU 2	-0.61806	-0.61806
1572	SLU 51	-1.11151	-1.11151	SLU 2	-0.62126	-0.62126
1573	SLU 51	-1.15542	-1.15542	SLU 2	-0.64565	-0.64565
1574	SLU 51	-1.13613	-1.13613	SLU 2	-0.63514	-0.63514
1575	SLU 51	-1.12134	-1.12134	SLU 2	-0.62693	-0.62693
1576	SLU 51	-1.17802	-1.17802	SLU 2	-0.65781	-0.65781
1577	SLU 51	-1.20163	-1.20163	SLU 2	-0.67042	-0.67042
1578	SLU 51	-1.10498	-1.10498	SLU 2	-0.61681	-0.61681
1579	SLU 51	-1.23701	-1.23701	SLU 2	-0.68899	-0.68899
1580	SLU 51	-1.24169	-1.24169	SLU 2	-0.69122	-0.69122
1581	SLU 51	-1.24888	-1.24888	SLU 2	-0.69467	-0.69467
1582	SLU 51	-1.40818	-1.40818	SLU 2	-0.79003	-0.79003
1583	SLU 51	-1.25989	-1.25989	SLU 2	-0.70003	-0.70003
1584	SLU 51	-1.2751	-1.2751	SLU 2	-0.70753	-0.70753
1585	SLU 51	-1.23207	-1.23207	SLU 2	-0.68651	-0.68651
1586	SLU 51	-1.10484	-1.10484	SLU 2	-0.61635	-0.61635
1587	SLU 50	-0.82418	-0.82418	SLV 3	-0.47775	-0.47775

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
1588	SLU 51	-1.29417	-1.29417	SLU 2	-0.717	-0.717
1589	SLU 51	-0.8817	-0.8817	SLU 2	-0.51053	-0.51053
1590	SLU 51	-0.98529	-0.98529	SLU 2	-0.56161	-0.56161
1591	SLU 51	-0.99198	-0.99198	SLU 2	-0.56525	-0.56525
1592	SLU 51	-1.1018	-1.1018	SLU 2	-0.61455	-0.61455
1593	SLU 51	-1.31598	-1.31598	SLU 2	-0.72788	-0.72788
1594	SLU 51	-1.22167	-1.22167	SLU 2	-0.68105	-0.68105
1595	SLU 51	-1.00103	-1.00103	SLU 2	-0.57017	-0.57017
1596	SLU 50	-0.83286	-0.83286	SLU 4	-0.48458	-0.48458
1597	SLU 51	-0.98033	-0.98033	SLU 2	-0.55902	-0.55902
1598	SLU 51	-1.33847	-1.33847	SLU 2	-0.73916	-0.73916
1599	SLU 51	-1.01231	-1.01231	SLU 2	-0.57622	-0.57622
1600	SLU 51	-0.97539	-0.97539	SLU 2	-0.55676	-0.55676
1601	SLU 51	-1.3651	-1.3651	SLU 2	-0.75238	-0.75238
1602	SLU 52	-1.39738	-1.39738	SLU 1	-0.78553	-0.78553
1603	SLU 51	-1.02477	-1.02477	SLU 2	-0.58278	-0.58278
1604	SLU 51	-1.35638	-1.35638	SLU 2	-0.74818	-0.74818
1605	SLU 51	-0.8793	-0.8793	SLU 2	-0.50975	-0.50975
1606	SLU 51	-1.06095	-1.06095	SLU 2	-0.59752	-0.59752
1607	SLU 51	-0.96711	-0.96711	SLU 2	-0.55321	-0.55321
1608	SLU 50	-0.80947	-0.80947	SLV 3	-0.46212	-0.46212
1609	SLU 52	-1.65503	-1.65503	SLU 1	-0.92123	-0.92123
1610	SLU 50	-0.84914	-0.84914	SLU 4	-0.49378	-0.49378
1611	SLU 51	-1.03648	-1.03648	SLU 2	-0.58877	-0.58877
1612	SLU 52	-1.70142	-1.70142	SLU 1	-0.94583	-0.94583
1613	SLU 51	-1.42037	-1.42037	SLU 2	-0.78833	-0.78833
1614	SLU 51	-1.42157	-1.42157	SLU 2	-0.79056	-0.79056
1615	SLU 50	-0.82678	-0.82678	SLU 4	-0.48133	-0.48133
1616	SLU 51	-1.41944	-1.41944	SLU 2	-0.78629	-0.78629
1617	SLU 50	-0.79586	-0.79586	SLV 3	-0.44765	-0.44765
1618	SLU 52	-1.40001	-1.40001	SLU 1	-0.78715	-0.78715
1619	SLU 51	-0.95294	-0.95294	SLU 2	-0.54655	-0.54655
1620	SLU 50	-0.75963	-0.75963	SLV 3	-0.40789	-0.40789
1621	SLU 50	-0.77082	-0.77082	SLV 3	-0.42034	-0.42034
1622	SLU 52	-0.87697	-0.87697	SLU 1	-0.50863	-0.50863
1623	SLU 52	-1.42012	-1.42012	SLU 1	-0.79642	-0.79642
1624	SLU 50	-0.78353	-0.78353	SLV 3	-0.43435	-0.43435
1625	SLU 51	-1.42253	-1.42253	SLU 2	-0.79265	-0.79265
1626	SLU 51	-1.0434	-1.0434	SLU 2	-0.59206	-0.59206
1627	SLU 52	-1.43111	-1.43111	SLU 1	-0.80186	-0.80186
1628	SLU 52	-1.60263	-1.60263	SLU 1	-0.89336	-0.89336
1629	SLU 52	-1.42366	-1.42366	SLU 1	-0.79785	-0.79785
1630	SLU 52	-1.44436	-1.44436	SLU 1	-0.80898	-0.80898
1631	SLU 52	-1.42094	-1.42094	SLU 1	-0.79639	-0.79639
1632	SLU 50	-0.84469	-0.84469	SLU 4	-0.49139	-0.49139
1633	SLU 52	-1.42144	-1.42144	SLU 1	-0.79688	-0.79688
1634	SLU 52	-1.46411	-1.46411	SLU 1	-0.81955	-0.81955
1635	SLU 51	-1.41904	-1.41904	SLU 2	-0.78461	-0.78461
1636	SLU 52	-1.42091	-1.42091	SLU 1	-0.79644	-0.79644
1637	SLU 51	-1.42251	-1.42251	SLU 2	-0.79423	-0.79423
1638	SLU 52	-0.87384	-0.87384	SLU 1	-0.50704	-0.50704
1639	SLU 51	-0.93696	-0.93696	SLU 2	-0.53857	-0.53857
1640	SLU 52	-1.40416	-1.40416	SLU 1	-0.78961	-0.78961
1641	SLU 51	-1.04769	-1.04769	SLU 2	-0.59396	-0.59396
1642	SLU 50	-0.83945	-0.83945	SLU 4	-0.48853	-0.48853
1643	SLU 52	-1.41378	-1.41378	SLU 1	-0.79341	-0.79341
1644	SLU 52	-0.86978	-0.86978	SLU 1	-0.50493	-0.50493
1645	SLU 52	-0.8556	-0.8556	SLU 1	-0.49749	-0.49749
1646	SLU 52	-1.49059	-1.49059	SLU 1	-0.83368	-0.83368
1647	SLU 52	-0.86497	-0.86497	SLU 1	-0.50242	-0.50242
1648	SLU 52	-0.85996	-0.85996	SLU 1	-0.4998	-0.4998
1649	SLU 51	-1.42098	-1.42098	SLU 2	-0.79489	-0.79489
1650	SLU 51	-0.92235	-0.92235	SLU 2	-0.5311	-0.5311
1651	SLU 50	-0.83375	-0.83375	SLU 4	-0.48542	-0.48542
1652	SLU 52	-1.40702	-1.40702	SLU 1	-0.79011	-0.79011
1653	SLU 52	-1.56141	-1.56141	SLU 1	-0.87138	-0.87138
1654	SLU 52	-1.52381	-1.52381	SLU 1	-0.85137	-0.85137
1656	SLU 50	-0.84958	-0.84958	SLU 4	-0.49424	-0.49424
1657	SLU 51	-1.41707	-1.41707	SLU 2	-0.77908	-0.77908
1658	SLU 51	-1.41842	-1.41842	SLU 2	-0.78111	-0.78111
1659	SLU 51	-0.90998	-0.90998	SLU 2	-0.52473	-0.52473
1660	SLU 51	-1.41782	-1.41782	SLU 2	-0.79463	-0.79463
1661	SLU 52	-1.40161	-1.40161	SLU 1	-0.78749	-0.78749
1662	SLU 51	-1.40869	-1.40869	SLU 2	-0.79188	-0.79188
1663	SLU 50	-0.82786	-0.82786	SLU 4	-0.4822	-0.4822
1664	SLU 51	-1.41326	-1.41326	SLU 2	-0.77611	-0.77611
1665	SLU 51	-1.40634	-1.40634	SLU 2	-0.77185	-0.77185
1666	SLU 51	-1.41342	-1.41342	SLU 2	-0.79353	-0.79353
1667	SLU 51	-0.89968	-0.89968	SLU 2	-0.51945	-0.51945
1668	SLU 51	-1.4191	-1.4191	SLU 2	-0.78329	-0.78329
1669	SLU 51	-1.39683	-1.39683	SLU 2	-0.76659	-0.76659
1670	SLU 50	-0.82278	-0.82278	SLU 4	-0.47943	-0.47943
1671	SLU 51	-1.05089	-1.05089	SLU 2	-0.59564	-0.59564
1672	SLU 52	-1.39837	-1.39837	SLU 1	-0.78603	-0.78603
1673	SLU 51	-1.38673	-1.38673	SLU 2	-0.76134	-0.76134
1674	SLU 51	-1.05393	-1.05393	SLU 2	-0.59675	-0.59675
1675	SLU 51	-0.8913	-0.8913	SLU 2	-0.51521	-0.51521
1676	SLU 51	-1.05715	-1.05715	SLU 2	-0.59784	-0.59784
1677	SLU 52	-1.39749	-1.39749	SLU 1	-0.78584	-0.78584
1678	SLU 51	-0.88474	-0.88474	SLU 2	-0.51198	-0.51198
1679	SLU 51	-1.37746	-1.37746	SLU 2	-0.75678	-0.75678
1680	SLU 50	-0.84133	-0.84133	SLU 4	-0.4899	-0.4899
1681	SLU 51	-1.06029	-1.06029	SLU 2	-0.59902	-0.59902
1682	SLU 51	-1.07129	-1.07129	SLU 2	-0.60031	-0.60031
1683	SLU 51	-0.87972	-0.87972	SLU 2	-0.50963	-0.50963
1684	SLU 51	-1.07113	-1.07113	SLU 2	-0.60131	-0.60131
1685	SLU 51	-1.37003	-1.37003	SLU 2	-0.75336	-0.75336
1686	SLU 52	-0.85067	-0.85067	SLU 1	-0.49513	-0.49513
1687	SLU 52	-1.39864	-1.39864	SLU 1	-0.78674	-0.78674

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
1688	SLU 51	-1.07018	-1.07018	SLU 2	-0.59895	-0.59895
1689	SLU 51	-0.87579	-0.87579	SLU 2	-0.50795	-0.50795
1690	SLU 50	-0.83441	-0.83441	SLU 4	-0.48618	-0.48618
1691	SLU 51	-1.36457	-1.36457	SLU 2	-0.75107	-0.75107
1692	SLU 51	-1.06908	-1.06908	SLU 2	-0.60164	-0.60164
1693	SLU 50	-0.82811	-0.82811	SLU 4	-0.48273	-0.48273
1694	SLU 52	-1.40133	-1.40133	SLU 1	-0.78847	-0.78847
1695	SLU 51	-1.42294	-1.42294	SLU 2	-0.79117	-0.79117
1696	SLU 52	-0.87245	-0.87245	SLU 1	-0.50646	-0.50646
1697	SLU 51	-1.42384	-1.42384	SLU 2	-0.79339	-0.79339
1698	SLU 51	-1.42192	-1.42192	SLU 2	-0.78895	-0.78895
1699	SLU 51	-1.42418	-1.42418	SLU 2	-0.79527	-0.79527
1700	SLU 51	-1.42099	-1.42099	SLU 2	-0.78695	-0.78695
1701	SLU 50	-0.82125	-0.82125	SLU 4	-0.47898	-0.47898
1702	SLU 52	-0.85194	-0.85194	SLU 1	-0.49589	-0.49589
1703	SLU 52	-0.86917	-0.86917	SLU 1	-0.50484	-0.50484
1704	SLU 51	-1.42355	-1.42355	SLU 2	-0.79659	-0.79659
1705	SLU 52	-1.40524	-1.40524	SLU 1	-0.79088	-0.79088
1706	SLU 50	-0.81228	-0.81228	SLV 3	-0.47168	-0.47168
1707	SLU 51	-1.42031	-1.42031	SLU 2	-0.78551	-0.78551
1708	SLU 51	-1.35958	-1.35958	SLU 2	-0.74902	-0.74902
1709	SLU 52	-0.86531	-0.86531	SLU 1	-0.50288	-0.50288
1710	SLU 52	-0.85615	-0.85615	SLU 1	-0.49813	-0.49813
1711	SLU 50	-0.84422	-0.84422	SLU 4	-0.49179	-0.49179
1712	SLU 51	-1.42166	-1.42166	SLU 2	-0.79716	-0.79716
1713	SLU 52	-0.86097	-0.86097	SLU 1	-0.50064	-0.50064
1714	SLU 51	-1.08027	-1.08027	SLU 2	-0.60303	-0.60303
1715	SLU 51	-1.08766	-1.08766	SLU 2	-0.60702	-0.60702
1716	SLU 51	-1.07401	-1.07401	SLU 2	-0.59972	-0.59972
1717	SLU 51	-1.09955	-1.09955	SLU 2	-0.61401	-0.61401
1718	SLU 51	-1.10223	-1.10223	SLU 2	-0.61585	-0.61585
1719	SLU 51	-1.15043	-1.15043	SLU 2	-0.64283	-0.64283
1720	SLU 51	-1.1322	-1.1322	SLU 2	-0.63291	-0.63291
1721	SLU 51	-1.11786	-1.11786	SLU 2	-0.62498	-0.62498
1722	SLU 51	-1.10796	-1.10796	SLU 2	-0.61933	-0.61933
1723	SLU 51	-1.17117	-1.17117	SLU 2	-0.654	-0.654
1724	SLU 51	-1.1919	-1.1919	SLU 2	-0.66508	-0.66508
1725	SLU 51	-1.09764	-1.09764	SLU 2	-0.61268	-0.61268
1726	SLU 51	-1.07018	-1.07018	SLU 2	-0.5979	-0.5979
1727	SLU 51	-1.09397	-1.09397	SLU 2	-0.61051	-0.61051
1728	SLU 51	-1.22847	-1.22847	SLU 2	-0.68429	-0.68429
1729	SLU 51	-1.20925	-1.20925	SLU 2	-0.67429	-0.67429
1730	SLU 51	-1.22102	-1.22102	SLU 2	-0.68047	-0.68047
1731	SLU 51	-1.23479	-1.23479	SLU 2	-0.68741	-0.68741
1732	SLU 51	-1.24273	-1.24273	SLU 2	-0.69129	-0.69129
1733	SLU 52	-1.43989	-1.43989	SLU 1	-0.80651	-0.80651
1734	SLU 51	-1.25373	-1.25373	SLU 2	-0.6967	-0.6967
1735	SLU 52	-1.42675	-1.42675	SLU 1	-0.79952	-0.79952
1736	SLU 50	-0.79734	-0.79734	SLV 3	-0.4559	-0.4559
1737	SLU 51	-1.26825	-1.26825	SLU 2	-0.70389	-0.70389
1738	SLU 52	-1.4186	-1.4186	SLU 1	-0.7952	-0.7952
1739	SLU 52	-1.45757	-1.45757	SLU 1	-0.81592	-0.81592
1740	SLU 51	-1.41849	-1.41849	SLU 2	-0.79696	-0.79696
1741	SLU 51	-0.98222	-0.98222	SLU 2	-0.56155	-0.56155
1742	SLU 51	-0.97558	-0.97558	SLU 2	-0.55797	-0.55797
1743	SLU 51	-1.28587	-1.28587	SLU 2	-0.71267	-0.71267
1744	SLU 52	-1.40955	-1.40955	SLU 1	-0.79353	-0.79353
1745	SLU 52	-1.4147	-1.4147	SLU 1	-0.79319	-0.79319
1746	SLU 51	-0.98994	-0.98994	SLU 2	-0.56585	-0.56585
1747	SLU 51	-1.06931	-1.06931	SLU 2	-0.598	-0.598
1748	SLU 52	-1.41325	-1.41325	SLU 1	-0.79256	-0.79256
1749	SLU 52	-1.41073	-1.41073	SLU 1	-0.79171	-0.79171
1750	SLU 51	-0.9683	-0.9683	SLU 2	-0.55436	-0.55436
1751	SLU 51	-0.99939	-0.99939	SLU 2	-0.57114	-0.57114
1752	SLU 51	-1.30521	-1.30521	SLU 2	-0.72235	-0.72235
1753	SLU 52	-1.41222	-1.41222	SLU 1	-0.79224	-0.79224
1754	SLU 51	-1.41417	-1.41417	SLU 2	-0.79601	-0.79601
1755	SLU 50	-0.78317	-0.78317	SLV 3	-0.44125	-0.44125
1756	SLU 52	-1.40721	-1.40721	SLU 1	-0.79017	-0.79017
1757	SLU 51	-1.01036	-1.01036	SLU 2	-0.5772	-0.5772
1758	SLU 51	-0.95858	-0.95858	SLU 2	-0.54969	-0.54969
1759	SLU 51	-1.32423	-1.32423	SLU 2	-0.73189	-0.73189
1760	SLU 51	-1.02182	-1.02182	SLU 2	-0.5834	-0.5834
1761	SLU 50	-0.76984	-0.76984	SLV 3	-0.42745	-0.42745
1762	SLU 52	-1.40296	-1.40296	SLU 1	-0.78825	-0.78825
1763	SLU 51	-0.94572	-0.94572	SLU 2	-0.54341	-0.54341
1764	SLU 51	-1.06622	-1.06622	SLU 2	-0.60217	-0.60217
1765	SLU 52	-1.67982	-1.67982	SLU 1	-0.93379	-0.93379
1766	SLU 51	-1.33979	-1.33979	SLU 2	-0.73965	-0.73965
1767	SLU 51	-1.03233	-1.03233	SLU 2	-0.58894	-0.58894
1768	SLU 52	-1.63712	-1.63712	SLU 1	-0.91117	-0.91117
1769	SLU 50	-0.83604	-0.83604	SLU 4	-0.48746	-0.48746
1770	SLU 50	-0.75685	-0.75685	SLV 3	-0.41379	-0.41379
1771	SLU 52	-1.47977	-1.47977	SLU 1	-0.82769	-0.82769
1772	SLU 51	-1.4141	-1.4141	SLU 2	-0.77833	-0.77833
1773	SLU 51	-0.9314	-0.9314	SLU 2	-0.53622	-0.53622
1774	SLU 52	-1.39946	-1.39946	SLU 1	-0.78672	-0.78672
1775	SLU 52	-1.59272	-1.59272	SLU 1	-0.88763	-0.88763
1776	SLU 50	-0.74464	-0.74464	SLV 3	-0.4008	-0.4008
1777	SLU 51	-1.40902	-1.40902	SLU 2	-0.77465	-0.77465
1778	SLU 51	-1.04052	-1.04052	SLU 2	-0.59313	-0.59313
1779	SLU 51	-1.41709	-1.41709	SLU 2	-0.78121	-0.78121
1780	SLU 51	-0.91761	-0.91761	SLU 2	-0.52915	-0.52915
1781	SLU 51	-0.90589	-0.90589	SLU 2	-0.5231	-0.5231
1782	SLU 51	-1.40188	-1.40188	SLU 2	-0.77022	-0.77022
1783	SLU 52	-1.55348	-1.55348	SLU 1	-0.8668	-0.8668
1784	SLU 52	-1.51281	-1.51281	SLU 1	-0.84522	-0.84522
1785	SLU 51	-0.89572	-0.89572	SLU 2	-0.51788	-0.51788
1786	SLU 52	-1.39758	-1.39758	SLU 1	-0.78604	-0.78604

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
1787	SLU 51	-1.34987	-1.34987	SLU 2	-0.74449	-0.74449
1788	SLU 50	-0.82866	-0.82866	SLU 4	-0.48348	-0.48348
1789	SLU 51	-1.06255	-1.06255	SLU 2	-0.60175	-0.60175
1790	SLU 51	-1.04689	-1.04689	SLU 2	-0.59626	-0.59626
1791	SLU 51	-1.39276	-1.39276	SLU 2	-0.76508	-0.76508
1792	SLU 51	-1.41921	-1.41921	SLU 2	-0.78393	-0.78393
1793	SLU 51	-1.05905	-1.05905	SLU 2	-0.60084	-0.60084
1794	SLU 51	-1.05542	-1.05542	SLU 2	-0.59968	-0.59968
1795	SLU 51	-1.05151	-1.05151	SLU 2	-0.59824	-0.59824
1796	SLU 51	-0.88701	-0.88701	SLU 2	-0.51347	-0.51347
1797	SLU 50	-0.8222	-0.8222	SLU 4	-0.47995	-0.47995
1798	SLU 52	-1.39753	-1.39753	SLU 1	-0.78635	-0.78635
1799	SLU 50	-0.81582	-0.81582	SLU 4	-0.47645	-0.47645
1800	SLU 51	-1.38274	-1.38274	SLU 2	-0.75978	-0.75978
1801	SLU 51	-0.87982	-0.87982	SLU 2	-0.50993	-0.50993
1802	SLU 50	-0.81026	-0.81026	SLV 3	-0.4725	-0.4725
1803	SLU 51	-1.07171	-1.07171	SLU 2	-0.60158	-0.60158
1804	SLU 52	-1.39919	-1.39919	SLU 1	-0.78759	-0.78759
1805	SLU 51	-1.07171	-1.07171	SLU 2	-0.60276	-0.60276
1806	SLU 51	-1.42091	-1.42091	SLU 2	-0.78646	-0.78646
1807	SLU 51	-0.87401	-0.87401	SLU 2	-0.50719	-0.50719
1808	SLU 51	-1.07088	-1.07088	SLU 2	-0.60024	-0.60024
1809	SLU 51	-1.42386	-1.42386	SLU 2	-0.79133	-0.79133
1810	SLU 51	-1.42502	-1.42502	SLU 2	-0.79383	-0.79383
1811	SLU 51	-1.42245	-1.42245	SLU 2	-0.78884	-0.78884
1812	SLU 52	-1.40214	-1.40214	SLU 1	-0.78951	-0.78951
1813	SLU 51	-1.37295	-1.37295	SLU 2	-0.75485	-0.75485
1814	SLU 51	-1.07064	-1.07064	SLU 2	-0.60353	-0.60353
1815	SLU 51	-1.42573	-1.42573	SLU 2	-0.79612	-0.79612
1816	SLU 51	-1.42568	-1.42568	SLU 2	-0.79795	-0.79795
1817	SLU 52	-0.84041	-0.84041	SLU 1	-0.49019	-0.49019
1818	SLU 51	-1.42465	-1.42465	SLU 2	-0.79916	-0.79916
1819	SLU 52	-0.86906	-0.86906	SLU 1	-0.50485	-0.50485
1820	SLU 51	-1.42255	-1.42255	SLU 2	-0.79966	-0.79966
1821	SLU 51	-1.07005	-1.07005	SLU 2	-0.59928	-0.59928
1822	SLU 52	-1.40613	-1.40613	SLU 1	-0.79202	-0.79202
1823	SLU 51	-1.0692	-1.0692	SLU 2	-0.60398	-0.60398
1824	SLU 52	-0.86464	-0.86464	SLU 1	-0.50269	-0.50269
1825	SLU 52	-1.45117	-1.45117	SLU 1	-0.81238	-0.81238
1826	SLU 52	-0.84578	-0.84578	SLU 1	-0.49306	-0.49306
1827	SLU 51	-1.41939	-1.41939	SLU 2	-0.79957	-0.79957
1828	SLU 51	-1.36402	-1.36402	SLU 2	-0.75057	-0.75057
1829	SLU 52	-0.86031	-0.86031	SLU 1	-0.50054	-0.50054
1830	SLU 52	-1.41066	-1.41066	SLU 1	-0.79489	-0.79489
1831	SLU 52	-0.8509	-0.8509	SLU 1	-0.49574	-0.49574
1832	SLU 52	-0.85579	-0.85579	SLU 1	-0.49826	-0.49826
1833	SLU 52	-1.43584	-1.43584	SLU 1	-0.80424	-0.80424
1834	SLU 51	-1.35692	-1.35692	SLU 2	-0.74732	-0.74732
1835	SLU 50	-0.82985	-0.82985	SLU 4	-0.48458	-0.48458
1836	SLU 52	-1.42183	-1.42183	SLU 1	-0.79684	-0.79684
1837	SLU 51	-1.35124	-1.35124	SLU 2	-0.74477	-0.74477
1838	SLU 52	-1.41569	-1.41569	SLU 1	-0.79815	-0.79815
1839	SLU 52	-1.41259	-1.41259	SLU 1	-0.79201	-0.79201
1840	SLU 52	-1.40752	-1.40752	SLU 1	-0.78944	-0.78944
1841	SLU 50	-0.81577	-0.81577	SLU 4	-0.4769	-0.4769
1842	SLU 52	-1.40507	-1.40507	SLU 1	-0.78833	-0.78833
1843	SLU 52	-1.40362	-1.40362	SLU 1	-0.78782	-0.78782
1844	SLU 50	-0.79559	-0.79559	SLV 3	-0.45948	-0.45948
1845	SLU 52	-1.40219	-1.40219	SLU 1	-0.78737	-0.78737
1846	SLU 50	-0.80915	-0.80915	SLU 4	-0.47328	-0.47328
1847	SLU 50	-0.8213	-0.8213	SLU 4	-0.47998	-0.47998
1848	SLU 52	-1.40011	-1.40011	SLU 1	-0.78662	-0.78662
1849	SLU 51	-1.34595	-1.34595	SLU 2	-0.74232	-0.74232
1850	SLU 50	-0.80237	-0.80237	SLV 3	-0.46681	-0.46681
1851	SLU 50	-0.78294	-0.78294	SLV 3	-0.44669	-0.44669
1852	SLU 52	-1.39788	-1.39788	SLU 1	-0.78581	-0.78581
1853	SLU 52	-1.39629	-1.39629	SLU 1	-0.78534	-0.78534
1854	SLU 51	-1.41098	-1.41098	SLU 2	-0.77753	-0.77753
1855	SLU 51	-1.41539	-1.41539	SLU 2	-0.78116	-0.78116
1856	SLU 51	-1.40499	-1.40499	SLU 2	-0.77333	-0.77333
1857	SLU 51	-1.07589	-1.07589	SLU 2	-0.60103	-0.60103
1858	SLU 51	-1.07177	-1.07177	SLU 2	-0.59896	-0.59896
1859	SLU 51	-1.08091	-1.08091	SLU 2	-0.60371	-0.60371
1860	SLU 51	-1.08557	-1.08557	SLU 2	-0.6063	-0.6063
1861	SLU 51	-1.08918	-1.08918	SLU 2	-0.60841	-0.60841
1862	SLU 51	-1.14369	-1.14369	SLU 2	-0.63912	-0.63912
1863	SLU 51	-1.12667	-1.12667	SLU 2	-0.62989	-0.62989
1864	SLU 51	-1.09223	-1.09223	SLU 2	-0.61031	-0.61031
1865	SLU 51	-1.11283	-1.11283	SLU 2	-0.62227	-0.62227
1866	SLU 51	-1.10275	-1.10275	SLU 2	-0.61659	-0.61659
1867	SLU 51	-1.09622	-1.09622	SLU 2	-0.61277	-0.61277
1868	SLU 51	-1.16247	-1.16247	SLU 2	-0.64922	-0.64922
1869	SLU 51	-1.18091	-1.18091	SLU 2	-0.65907	-0.65907
1870	SLU 51	-1.19683	-1.19683	SLU 2	-0.66752	-0.66752
1871	SLU 52	-0.90081	-0.90081	SLU 1	-0.52073	-0.52073
1872	SLU 51	-1.06949	-1.06949	SLU 2	-0.59806	-0.59806
1873	SLU 51	-1.20909	-1.20909	SLU 2	-0.67396	-0.67396
1874	SLU 52	-1.39586	-1.39586	SLU 1	-0.7855	-0.7855
1875	SLU 51	-1.21823	-1.21823	SLU 2	-0.67868	-0.67868
1876	SLU 50	-0.76899	-0.76899	SLV 3	-0.43277	-0.43277
1877	SLU 51	-1.22621	-1.22621	SLU 2	-0.68271	-0.68271
1878	SLU 51	-1.06439	-1.06439	SLU 2	-0.60492	-0.60492
1879	SLU 52	-0.89135	-0.89135	SLU 1	-0.51596	-0.51596
1880	SLU 51	-1.06766	-1.06766	SLU 2	-0.60547	-0.60547
1881	SLU 51	-1.23505	-1.23505	SLU 2	-0.68712	-0.68712
1882	SLU 51	-1.39749	-1.39749	SLU 2	-0.76868	-0.76868
1883	SLU 51	-1.41884	-1.41884	SLU 2	-0.78456	-0.78456
1884	SLU 51	-1.06073	-1.06073	SLU 2	-0.604	-0.604
1885	SLU 51	-1.24611	-1.24611	SLU 2	-0.69262	-0.69262

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
1886	SLU 51	-0.96929	-0.96929	SLU 2	-0.55626	-0.55626
1887	SLU 51	-0.97745	-0.97745	SLU 2	-0.56081	-0.56081
1888	SLU 51	-1.25983	-1.25983	SLU 2	-0.69946	-0.69946
1889	SLU 51	-1.05672	-1.05672	SLU 2	-0.60271	-0.60271
1890	SLU 51	-1.06921	-1.06921	SLU 2	-0.59855	-0.59855
1891	SLU 51	-0.96042	-0.96042	SLU 2	-0.55159	-0.55159
1892	SLU 51	-0.98618	-0.98618	SLU 2	-0.56581	-0.56581
1893	SLU 52	-1.39688	-1.39688	SLU 1	-0.78646	-0.78646
1894	SLU 51	-1.27578	-1.27578	SLU 2	-0.70745	-0.70745
1895	SLU 52	-0.88253	-0.88253	SLU 1	-0.51156	-0.51156
1896	SLU 52	-0.94993	-0.94993	SLU 1	-0.54623	-0.54623
1897	SLU 52	-0.99605	-0.99605	SLU 1	-0.57141	-0.57141
1898	SLU 51	-1.38838	-1.38838	SLU 2	-0.76348	-0.76348
1899	SLU 51	-1.42162	-1.42162	SLU 2	-0.78775	-0.78775
1900	SLU 51	-1.29267	-1.29267	SLU 2	-0.71592	-0.71592
1901	SLU 52	-0.91062	-0.91062	SLU 1	-0.52575	-0.52575
1902	SLU 50	-0.75529	-0.75529	SLV 3	-0.41916	-0.41916
1903	SLU 51	-1.42395	-1.42395	SLU 2	-0.79081	-0.79081
1904	SLU 52	-0.93759	-0.93759	SLU 1	-0.53971	-0.53971
1905	SLU 51	-1.05214	-1.05214	SLU 2	-0.60109	-0.60109
1906	SLU 51	-1.07221	-1.07221	SLU 2	-0.6029	-0.6029
1907	SLU 51	-1.07247	-1.07247	SLU 2	-0.60436	-0.60436
1908	SLU 51	-1.42585	-1.42585	SLU 2	-0.79381	-0.79381
1909	SLU 52	-1.0069	-1.0069	SLU 1	-0.57748	-0.57748
1910	SLU 51	-1.42722	-1.42722	SLU 2	-0.79665	-0.79665
1911	SLU 51	-1.42786	-1.42786	SLU 2	-0.79915	-0.79915
1912	SLU 51	-1.07181	-1.07181	SLU 2	-0.60543	-0.60543
1913	SLU 51	-1.42758	-1.42758	SLU 2	-0.80104	-0.80104
1914	SLU 52	-1.39941	-1.39941	SLU 1	-0.78824	-0.78824
1915	SLU 52	-0.92402	-0.92402	SLU 1	-0.53265	-0.53265
1916	SLU 51	-1.07026	-1.07026	SLU 2	-0.60598	-0.60598
1917	SLU 52	-1.46229	-1.46229	SLU 1	-0.81811	-0.81811
1918	SLU 51	-1.42392	-1.42392	SLU 2	-0.80251	-0.80251
1919	SLU 51	-1.42626	-1.42626	SLU 2	-0.8022	-0.8022
1920	SLU 52	-0.87483	-0.87483	SLU 1	-0.50775	-0.50775
1921	SLU 51	-1.30891	-1.30891	SLU 2	-0.72407	-0.72407
1922	SLU 51	-1.07128	-1.07128	SLU 2	-0.60134	-0.60134
1923	SLU 52	-1.42105	-1.42105	SLU 1	-0.80203	-0.80203
1924	SLU 52	-1.0179	-1.0179	SLU 1	-0.58374	-0.58374
1925	SLU 52	-1.40294	-1.40294	SLU 1	-0.79052	-0.79052
1926	SLU 52	-1.6577	-1.6577	SLU 1	-0.92136	-0.92136
1927	SLU 52	-1.41889	-1.41889	SLU 1	-0.8006	-0.8006
1928	SLU 50	-0.74173	-0.74173	SLV 3	-0.40535	-0.40535
1929	SLU 51	-1.02842	-1.02842	SLU 2	-0.5896	-0.5896
1930	SLU 51	-1.3786	-1.3786	SLU 2	-0.75821	-0.75821
1931	SLU 52	-1.61753	-1.61753	SLU 1	-0.90013	-0.90013
1932	SLU 51	-1.07015	-1.07015	SLU 2	-0.59992	-0.59992
1933	SLU 52	-1.57741	-1.57741	SLU 1	-0.87893	-0.87893
1934	SLU 52	-1.40708	-1.40708	SLU 1	-0.79315	-0.79315
1935	SLU 51	-1.32266	-1.32266	SLU 2	-0.73093	-0.73093
1936	SLU 52	-1.49915	-1.49915	SLU 1	-0.83757	-0.83757
1937	SLU 51	-1.0376	-1.0376	SLU 2	-0.59447	-0.59447
1938	SLU 52	-1.5388	-1.5388	SLU 1	-0.85852	-0.85852
1939	SLU 50	-0.72913	-0.72913	SLV 3	-0.39237	-0.39237
1940	SLU 52	-0.8682	-0.8682	SLU 1	-0.50451	-0.50451
1941	SLU 50	-0.80972	-0.80972	SLU 4	-0.474	-0.474
1942	SLU 52	-1.41158	-1.41158	SLU 1	-0.79603	-0.79603
1943	SLU 52	-0.86222	-0.86222	SLU 1	-0.50159	-0.50159
1944	SLU 50	-0.82926	-0.82926	SLU 4	-0.4848	-0.4848
1945	SLU 51	-1.04595	-1.04595	SLU 2	-0.59902	-0.59902
1946	SLU 51	-1.33224	-1.33224	SLU 2	-0.73563	-0.73563
1947	SLU 51	-1.36848	-1.36848	SLU 2	-0.75304	-0.75304
1948	SLU 52	-0.83527	-0.83527	SLU 1	-0.48798	-0.48798
1949	SLU 50	-0.8026	-0.8026	SLV 1	-0.46896	-0.46896
1950	SLU 50	-0.82125	-0.82125	SLU 4	-0.48047	-0.48047
1951	SLU 52	-0.85661	-0.85661	SLU 1	-0.49885	-0.49885
1952	SLU 52	-1.41608	-1.41608	SLU 1	-0.79898	-0.79898
1953	SLU 52	-0.84037	-0.84037	SLU 1	-0.49065	-0.49065
1954	SLU 52	-1.43468	-1.43468	SLU 1	-0.80344	-0.80344
1955	SLU 52	-0.85119	-0.85119	SLU 1	-0.49616	-0.49616
1956	SLU 52	-0.84579	-0.84579	SLU 1	-0.49343	-0.49343
1957	SLU 50	-0.79464	-0.79464	SLV 1	-0.46126	-0.46126
1958	SLU 52	-1.4173	-1.4173	SLU 1	-0.7943	-0.7943
1959	SLU 51	-1.33679	-1.33679	SLU 2	-0.73778	-0.73778
1960	SLU 50	-0.81073	-0.81073	SLU 4	-0.47486	-0.47486
1961	SLU 52	-1.40663	-1.40663	SLU 1	-0.78878	-0.78878
1962	SLU 52	-1.40069	-1.40069	SLU 1	-0.78582	-0.78582
1963	SLU 52	-1.39763	-1.39763	SLU 1	-0.78443	-0.78443
1964	SLU 52	-1.41998	-1.41998	SLU 1	-0.80165	-0.80165
1965	SLU 52	-1.39601	-1.39601	SLU 1	-0.78387	-0.78387
1966	SLU 52	-1.3949	-1.3949	SLU 1	-0.78363	-0.78363
1967	SLU 52	-0.89626	-0.89626	SLU 1	-0.51854	-0.51854
1968	SLU 52	-1.3939	-1.3939	SLU 1	-0.78348	-0.78348
1969	SLU 51	-1.34253	-1.34253	SLU 2	-0.74049	-0.74049
1970	SLU 50	-0.78468	-0.78468	SLV 3	-0.45191	-0.45191
1971	SLU 52	-1.39321	-1.39321	SLU 1	-0.78352	-0.78352
1972	SLU 52	-1.42311	-1.42311	SLU 1	-0.80382	-0.80382
1973	SLU 51	-1.34901	-1.34901	SLU 2	-0.74356	-0.74356
1974	SLU 52	-1.3931	-1.3931	SLU 1	-0.78389	-0.78389
1975	SLU 51	-1.35734	-1.35734	SLU 2	-0.74761	-0.74761
1976	SLU 51	-1.40871	-1.40871	SLU 2	-0.77718	-0.77718
1977	SLU 51	-1.41422	-1.41422	SLU 2	-0.7814	-0.7814
1978	SLU 52	-1.42582	-1.42582	SLU 1	-0.80584	-0.80584
1979	SLU 51	-1.41886	-1.41886	SLU 2	-0.78546	-0.78546
1980	SLU 51	-1.06247	-1.06247	SLU 2	-0.60734	-0.60734
1981	SLU 51	-1.06628	-1.06628	SLU 2	-0.60836	-0.60836
1982	SLU 51	-1.40209	-1.40209	SLU 2	-0.77267	-0.77267
1983	SLU 52	-0.88773	-0.88773	SLU 1	-0.51427	-0.51427
1984	SLU 51	-1.06952	-1.06952	SLU 2	-0.60877	-0.60877

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
1985	SLU 52	-1.39396	-1.39396	SLU 1	-0.7848	-0.7848
1986	SLU 51	-1.05821	-1.05821	SLU 2	-0.6059	-0.6059
1987	SLU 51	-1.42271	-1.42271	SLU 2	-0.78935	-0.78935
1988	SLU 51	-1.42584	-1.42584	SLU 2	-0.79306	-0.79306
1989	SLU 51	-1.42824	-1.42824	SLU 2	-0.79657	-0.79657
1990	SLU 51	-1.42988	-1.42988	SLU 2	-0.79984	-0.79984
1991	SLU 51	-1.43062	-1.43062	SLU 2	-0.80267	-0.80267
1992	SLU 51	-1.43025	-1.43025	SLU 2	-0.8048	-0.8048
1993	SLU 51	-1.42865	-1.42865	SLU 2	-0.80602	-0.80602
1994	SLU 51	-1.05366	-1.05366	SLU 2	-0.60411	-0.60411
1995	SLU 51	-1.07198	-1.07198	SLU 2	-0.60869	-0.60869
1996	SLU 51	-1.07333	-1.07333	SLU 2	-0.60774	-0.60774
1997	SLU 51	-1.07366	-1.07366	SLU 2	-0.60625	-0.60625
1998	SLU 51	-1.07309	-1.07309	SLU 2	-0.60447	-0.60447
1999	SLU 51	-1.39421	-1.39421	SLU 2	-0.76782	-0.76782
2000	SLU 50	-0.77101	-0.77101	SLV 3	-0.43885	-0.43885
2001	SLU 52	-1.39606	-1.39606	SLU 1	-0.78641	-0.78641
2002	SLU 51	-1.04954	-1.04954	SLU 2	-0.6024	-0.6024
2003	SLU 52	-1.4041	-1.4041	SLU 1	-0.79168	-0.79168
2004	SLU 52	-1.40849	-1.40849	SLU 1	-0.79446	-0.79446
2005	SLU 52	-0.87853	-0.87853	SLU 1	-0.5097	-0.5097
2006	SLU 51	-1.072	-1.072	SLU 2	-0.60274	-0.60274
2007	SLU 51	-1.38497	-1.38497	SLU 2	-0.76248	-0.76248
2008	SLU 52	-1.41313	-1.41313	SLU 1	-0.79743	-0.79743
2009	SLU 50	-0.79786	-0.79786	SLV 1	-0.46539	-0.46539
2010	SLU 52	-0.87031	-0.87031	SLU 1	-0.50565	-0.50565
2011	SLU 50	-0.79008	-0.79008	SLV 1	-0.45798	-0.45798
2012	SLU 51	-1.37538	-1.37538	SLU 2	-0.75722	-0.75722
2013	SLU 50	-0.75604	-0.75604	SLV 3	-0.42446	-0.42446
2014	SLU 52	-1.39992	-1.39992	SLU 1	-0.78907	-0.78907
2015	SLU 50	-0.81497	-0.81497	SLU 4	-0.47753	-0.47753
2016	SLU 52	-1.41772	-1.41772	SLU 1	-0.80043	-0.80043
2017	SLU 51	-1.06895	-1.06895	SLU 2	-0.59809	-0.59809
2018	SLU 51	-1.07134	-1.07134	SLU 2	-0.59915	-0.59915
2019	SLU 51	-1.07466	-1.07466	SLU 2	-0.60086	-0.60086
2020	SLU 51	-1.0782	-1.0782	SLU 2	-0.60278	-0.60278
2021	SLU 51	-1.13693	-1.13693	SLU 2	-0.63544	-0.63544
2022	SLU 51	-1.12085	-1.12085	SLU 2	-0.62675	-0.62675
2023	SLU 51	-1.10738	-1.10738	SLU 2	-0.6194	-0.6194
2024	SLU 51	-1.09715	-1.09715	SLU 2	-0.61373	-0.61373
2025	SLU 51	-1.09001	-1.09001	SLU 2	-0.60967	-0.60967
2026	SLU 51	-1.08158	-1.08158	SLU 2	-0.60473	-0.60473
2027	SLU 51	-1.0852	-1.0852	SLU 2	-0.60686	-0.60686
2028	SLU 51	-1.15435	-1.15435	SLU 2	-0.64477	-0.64477
2029	SLU 51	-1.17139	-1.17139	SLU 2	-0.65385	-0.65385
2030	SLU 51	-1.06809	-1.06809	SLU 2	-0.59808	-0.59808
2031	SLU 50	-0.82013	-0.82013	SLU 4	-0.4804	-0.4804
2032	SLU 51	-1.18649	-1.18649	SLU 2	-0.66185	-0.66185
2033	SLU 51	-1.1989	-1.1989	SLU 2	-0.66837	-0.66837
2034	SLU 52	-0.86292	-0.86292	SLU 1	-0.50204	-0.50204
2035	SLU 51	-1.20895	-1.20895	SLU 2	-0.67359	-0.67359
2036	SLU 51	-1.07069	-1.07069	SLU 2	-0.60126	-0.60126
2037	SLU 51	-1.06888	-1.06888	SLU 2	-0.59926	-0.59926
2038	SLU 51	-1.21795	-1.21795	SLU 2	-0.6782	-0.6782
2039	SLU 51	-1.36628	-1.36628	SLU 2	-0.75244	-0.75244
2040	SLU 51	-1.2274	-1.2274	SLU 2	-0.68298	-0.68298
2041	SLU 52	-0.96388	-0.96388	SLU 1	-0.55394	-0.55394
2042	SLU 52	-0.95403	-0.95403	SLU 1	-0.54861	-0.54861
2043	SLU 52	-0.82561	-0.82561	SLU 1	-0.48333	-0.48333
2044	SLU 52	-0.97322	-0.97322	SLU 1	-0.55907	-0.55907
2045	SLU 51	-1.23843	-1.23843	SLU 2	-0.68853	-0.68853
2046	SLU 52	-1.42203	-1.42203	SLU 1	-0.80331	-0.80331
2047	SLU 52	-0.94302	-0.94302	SLU 1	-0.54275	-0.54275
2048	SLU 52	-0.9829	-0.9829	SLU 1	-0.56444	-0.56444
2049	SLU 51	-1.25148	-1.25148	SLU 2	-0.69509	-0.69509
2050	SLU 52	-0.90094	-0.90094	SLU 1	-0.52099	-0.52099
2051	SLU 52	-1.03575	-1.03575	SLU 1	-0.59489	-0.59489
2052	SLU 52	-0.9305	-0.9305	SLU 1	-0.53618	-0.53618
2053	SLU 51	-1.26616	-1.26616	SLU 2	-0.70249	-0.70249
2054	SLU 52	-0.99329	-0.99329	SLU 1	-0.57026	-0.57026
2055	SLU 52	-0.91656	-0.91656	SLU 1	-0.52897	-0.52897
2056	SLU 50	-0.74099	-0.74099	SLV 3	-0.41006	-0.41006
2057	SLU 51	-1.28139	-1.28139	SLU 2	-0.71017	-0.71017
2058	SLU 52	-1.00428	-1.00428	SLU 1	-0.5765	-0.5765
2059	SLU 52	-0.85592	-0.85592	SLU 1	-0.49864	-0.49864
2060	SLU 52	-1.42573	-1.42573	SLU 1	-0.80585	-0.80585
2061	SLU 51	-1.35926	-1.35926	SLU 2	-0.74888	-0.74888
2062	SLU 52	-1.04352	-1.04352	SLU 1	-0.59971	-0.59971
2063	SLU 52	-1.0154	-1.0154	SLU 1	-0.5829	-0.5829
2064	SLU 52	-1.63891	-1.63891	SLU 1	-0.91058	-0.91058
2065	SLU 51	-1.29607	-1.29607	SLU 2	-0.71756	-0.71756
2066	SLU 52	-1.0271	-1.0271	SLU 1	-0.58977	-0.58977
2067	SLU 52	-1.60139	-1.60139	SLU 1	-0.89083	-0.89083
2068	SLU 50	-0.72702	-0.72702	SLV 3	-0.39609	-0.39609
2069	SLU 52	-1.56393	-1.56393	SLU 1	-0.87111	-0.87111
2070	SLU 52	-1.52651	-1.52651	SLU 1	-0.85142	-0.85142
2071	SLU 52	-1.4891	-1.4891	SLU 1	-0.83173	-0.83173
2072	SLU 52	-0.82957	-0.82957	SLU 1	-0.48547	-0.48547
2073	SLU 52	-1.45607	-1.45607	SLU 1	-0.81436	-0.81436
2074	SLU 51	-1.30891	-1.30891	SLU 2	-0.72401	-0.72401
2075	SLU 52	-1.42903	-1.42903	SLU 1	-0.80827	-0.80827
2076	SLU 52	-0.8491	-0.8491	SLU 1	-0.49531	-0.49531
2077	SLU 50	-0.7141	-0.7141	SLV 3	-0.383	-0.383
2078	SLU 52	-0.83587	-0.83587	SLU 1	-0.48871	-0.48871
2079	SLU 52	-0.84243	-0.84243	SLU 1	-0.49202	-0.49202
2080	SLU 52	-1.39147	-1.39147	SLU 1	-0.78116	-0.78116
2081	SLU 52	-1.38994	-1.38994	SLU 1	-0.78068	-0.78068
2082	SLU 52	-1.3893	-1.3893	SLU 1	-0.78072	-0.78072
2083	SLU 52	-1.39471	-1.39471	SLU 1	-0.78258	-0.78258

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
2084	SLU 52	-1.04958	-1.04958	SLU 1	-0.6036	-0.6036
2085	SLU 52	-1.38916	-1.38916	SLU 1	-0.78107	-0.78107
2086	SLU 52	-1.40601	-1.40601	SLU 1	-0.79316	-0.79316
2087	SLU 51	-1.31927	-1.31927	SLU 2	-0.72919	-0.72919
2088	SLU 52	-1.43059	-1.43059	SLU 1	-0.80097	-0.80097
2089	SLU 51	-1.43124	-1.43124	SLU 2	-0.79974	-0.79974
2090	SLU 51	-1.43323	-1.43323	SLU 2	-0.80351	-0.80351
2091	SLU 52	-1.4028	-1.4028	SLU 1	-0.79112	-0.79112
2092	SLU 52	-1.38953	-1.38953	SLU 1	-0.78171	-0.78171
2093	SLU 52	-1.05477	-1.05477	SLU 1	-0.60693	-0.60693
2094	SLU 52	-1.40086	-1.40086	SLU 1	-0.78559	-0.78559
2095	SLU 51	-1.05984	-1.05984	SLU 2	-0.60927	-0.60927
2096	SLU 51	-1.06441	-1.06441	SLU 2	-0.611	-0.611
2097	SLU 51	-1.07179	-1.07179	SLU 2	-0.61239	-0.61239
2098	SLU 51	-1.40753	-1.40753	SLU 2	-0.77743	-0.77743
2099	SLU 51	-1.42839	-1.42839	SLU 2	-0.79574	-0.79574
2100	SLU 51	-1.41393	-1.41393	SLU 2	-0.78215	-0.78215
2101	SLU 51	-1.07413	-1.07413	SLU 2	-0.61179	-0.61179
2102	SLU 52	-1.41041	-1.41041	SLU 1	-0.79597	-0.79597
2103	SLU 51	-1.43424	-1.43424	SLU 2	-0.80688	-0.80688
2104	SLU 51	-1.06843	-1.06843	SLU 2	-0.61218	-0.61218
2105	SLU 51	-1.41968	-1.41968	SLU 2	-0.78688	-0.78688
2106	SLU 51	-1.42455	-1.42455	SLU 2	-0.79146	-0.79146
2107	SLU 51	-1.07533	-1.07533	SLU 2	-0.6104	-0.6104
2108	SLU 52	-1.39056	-1.39056	SLU 1	-0.78273	-0.78273
2109	SLU 51	-1.07533	-1.07533	SLU 2	-0.60843	-0.60843
2110	SLU 51	-1.40066	-1.40066	SLU 2	-0.77284	-0.77284
2111	SLU 51	-1.07439	-1.07439	SLU 2	-0.60624	-0.60624
2112	SLU 51	-1.43398	-1.43398	SLU 2	-0.80953	-0.80953
2113	SLU 52	-1.41165	-1.41165	SLU 1	-0.79109	-0.79109
2114	SLU 52	-0.88638	-0.88638	SLU 1	-0.51372	-0.51372
2115	SLU 51	-1.07315	-1.07315	SLU 2	-0.60443	-0.60443
2116	SLU 52	-1.43232	-1.43232	SLU 1	-0.81092	-0.81092
2117	SLU 52	-1.4153	-1.4153	SLU 1	-0.7991	-0.7991
2118	SLU 50	-0.80355	-0.80355	SLV 1	-0.47078	-0.47078
2119	SLU 52	-1.39244	-1.39244	SLU 1	-0.78422	-0.78422
2120	SLU 50	-0.7781	-0.7781	SLV 1	-0.44731	-0.44731
2121	SLU 51	-1.32704	-1.32704	SLU 2	-0.73304	-0.73304
2122	SLU 52	-1.42023	-1.42023	SLU 1	-0.80228	-0.80228
2123	SLU 52	-1.39527	-1.39527	SLU 1	-0.78624	-0.78624
2124	SLU 51	-1.33411	-1.33411	SLU 2	-0.73653	-0.73653
2125	SLU 51	-1.39263	-1.39263	SLU 2	-0.76803	-0.76803
2126	SLU 50	-0.78952	-0.78952	SLV 1	-0.45793	-0.45793
2127	SLU 52	-0.87538	-0.87538	SLU 1	-0.50828	-0.50828
2128	SLU 51	-1.34107	-1.34107	SLU 2	-0.73998	-0.73998
2129	SLU 52	-1.42484	-1.42484	SLU 1	-0.80532	-0.80532
2130	SLU 52	-0.81788	-0.81788	SLU 1	-0.47963	-0.47963
2131	SLU 50	-0.81129	-0.81129	SLU 4	-0.4761	-0.4761
2132	SLU 52	-1.3991	-1.3991	SLU 1	-0.78882	-0.78882
2133	SLU 51	-1.34864	-1.34864	SLU 2	-0.7438	-0.7438
2134	SLU 52	-1.42884	-1.42884	SLU 1	-0.80804	-0.80804
2135	SLU 51	-1.38253	-1.38253	SLU 2	-0.76217	-0.76217
2136	SLU 52	-0.86647	-0.86647	SLU 1	-0.50391	-0.50391
2137	SLU 50	-0.76137	-0.76137	SLV 1	-0.43178	-0.43178
2138	SLU 52	-1.43196	-1.43196	SLU 1	-0.81027	-0.81027
2139	SLU 51	-1.37244	-1.37244	SLU 2	-0.75654	-0.75654
2140	SLU 52	-1.43401	-1.43401	SLU 1	-0.81186	-0.81186
2141	SLU 51	-1.35524	-1.35524	SLU 2	-0.74731	-0.74731
2142	SLU 52	-1.03646	-1.03646	SLU 1	-0.59566	-0.59566
2143	SLU 51	-1.36313	-1.36313	SLU 2	-0.7515	-0.7515
2144	SLU 52	-0.85887	-0.85887	SLU 1	-0.50022	-0.50022
2145	SLU 52	-1.40313	-1.40313	SLU 1	-0.79148	-0.79148
2146	SLU 52	-1.4075	-1.4075	SLU 1	-0.79428	-0.79428
2147	SLU 52	-1.04342	-1.04342	SLU 1	-0.59995	-0.59995
2148	SLU 50	-0.74546	-0.74546	SLV 1	-0.41689	-0.41689
2149	SLU 52	-1.41251	-1.41251	SLU 1	-0.79748	-0.79748
2150	SLU 51	-1.40055	-1.40055	SLU 2	-0.77362	-0.77362
2151	SLU 51	-1.43488	-1.43488	SLU 2	-0.80331	-0.80331
2152	SLU 51	-1.43721	-1.43721	SLU 2	-0.8076	-0.8076
2153	SLU 51	-1.07668	-1.07668	SLU 2	-0.61529	-0.61529
2154	SLU 51	-1.07769	-1.07769	SLU 2	-0.61336	-0.61336
2155	SLU 52	-1.05083	-1.05083	SLU 1	-0.60458	-0.60458
2156	SLU 51	-1.07437	-1.07437	SLU 2	-0.61631	-0.61631
2157	SLU 51	-1.07738	-1.07738	SLU 2	-0.61085	-0.61085
2158	SLU 52	-1.0623	-1.0623	SLU 1	-0.61192	-0.61192
2159	SLU 52	-1.41792	-1.41792	SLU 1	-0.80092	-0.80092
2160	SLU 52	-1.05708	-1.05708	SLU 1	-0.60854	-0.60854
2161	SLU 51	-1.4317	-1.4317	SLU 2	-0.79893	-0.79893
2162	SLU 51	-1.07087	-1.07087	SLU 2	-0.61622	-0.61622
2163	SLU 51	-1.07586	-1.07586	SLU 2	-0.60795	-0.60795
2164	SLU 52	-1.06668	-1.06668	SLU 1	-0.61485	-0.61485
2165	SLU 52	-1.43766	-1.43766	SLU 1	-0.81471	-0.81471
2166	SLU 51	-1.40679	-1.40679	SLU 2	-0.77788	-0.77788
2167	SLU 51	-1.43868	-1.43868	SLU 2	-0.81174	-0.81174
2168	SLU 51	-1.06696	-1.06696	SLU 2	-0.59853	-0.59853
2169	SLU 51	-1.06661	-1.06661	SLU 2	-0.59776	-0.59776
2170	SLU 51	-1.0678	-1.0678	SLU 2	-0.59805	-0.59805
2171	SLU 51	-1.13144	-1.13144	SLU 2	-0.63248	-0.63248
2172	SLU 51	-1.11578	-1.11578	SLU 2	-0.62409	-0.62409
2173	SLU 51	-1.1025	-1.1025	SLU 2	-0.61692	-0.61692
2174	SLU 51	-1.09219	-1.09219	SLU 2	-0.61129	-0.61129
2175	SLU 51	-1.14826	-1.14826	SLU 2	-0.64143	-0.64143
2176	SLU 51	-1.08479	-1.08479	SLU 2	-0.60719	-0.60719
2177	SLU 51	-1.07006	-1.07006	SLU 2	-0.59908	-0.59908
2178	SLU 51	-1.07967	-1.07967	SLU 2	-0.60431	-0.60431
2179	SLU 51	-1.07594	-1.07594	SLU 2	-0.60221	-0.60221
2180	SLU 51	-1.07284	-1.07284	SLU 2	-0.60052	-0.60052
2181	SLU 51	-1.43854	-1.43854	SLU 2	-0.81489	-0.81489
2182	SLU 51	-1.1647	-1.1647	SLU 2	-0.65015	-0.65015

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
2183	SLU 51	-1.17943	-1.17943	SLU 2	-0.65793	-0.65793
2184	SLU 51	-1.07292	-1.07292	SLU 2	-0.60441	-0.60441
2185	SLU 51	-1.06906	-1.06906	SLU 2	-0.60062	-0.60062
2186	SLU 52	-1.38576	-1.38576	SLU 1	-0.77845	-0.77845
2187	SLU 51	-1.19182	-1.19182	SLU 2	-0.66445	-0.66445
2188	SLU 52	-0.85107	-0.85107	SLU 1	-0.49647	-0.49647
2189	SLU 52	-1.387	-1.387	SLU 1	-0.77873	-0.77873
2190	SLU 52	-1.38559	-1.38559	SLU 1	-0.77877	-0.77877
2191	SLU 52	-1.42335	-1.42335	SLU 1	-0.8044	-0.8044
2192	SLU 51	-1.20211	-1.20211	SLU 2	-0.66982	-0.66982
2193	SLU 51	-1.4142	-1.4142	SLU 2	-0.78321	-0.78321
2194	SLU 51	-1.21142	-1.21142	SLU 2	-0.67463	-0.67463
2195	SLU 52	-1.3861	-1.3861	SLU 1	-0.77949	-0.77949
2196	SLU 51	-1.42738	-1.42738	SLU 2	-0.79424	-0.79424
2197	SLU 52	-0.96024	-0.96024	SLV 1	-0.5478	-0.5478
2198	SLU 51	-1.42128	-1.42128	SLU 2	-0.78878	-0.78878
2199	SLU 52	-0.94978	-0.94978	SLV 1	-0.54464	-0.54464
2200	SLU 51	-1.221	-1.221	SLU 2	-0.67953	-0.67953
2201	SLU 52	-1.38994	-1.38994	SLU 1	-0.77995	-0.77995
2202	SLU 52	-1.38724	-1.38724	SLU 1	-0.78058	-0.78058
2203	SLU 52	-0.97027	-0.97027	SLV 1	-0.55055	-0.55055
2204	SLU 52	-0.93837	-0.93837	SLU 1	-0.54042	-0.54042
2205	SLU 52	-1.42831	-1.42831	SLU 1	-0.80764	-0.80764
2206	SLU 51	-1.23188	-1.23188	SLU 2	-0.68507	-0.68507
2207	SLU 52	-0.98055	-0.98055	SLV 1	-0.55372	-0.55372
2208	SLU 52	-1.38907	-1.38907	SLU 1	-0.78206	-0.78206
2209	SLU 52	-0.9257	-0.9257	SLU 1	-0.53381	-0.53381
2210	SLU 52	-1.43758	-1.43758	SLU 1	-0.81424	-0.81424
2211	SLU 51	-1.24447	-1.24447	SLU 2	-0.69147	-0.69147
2212	SLU 52	-1.43265	-1.43265	SLU 1	-0.81054	-0.81054
2213	SLU 52	-0.99141	-0.99141	SLV 1	-0.55786	-0.55786
2214	SLU 52	-1.43581	-1.43581	SLU 1	-0.81278	-0.81278
2215	SLU 52	-0.91189	-0.91189	SLU 1	-0.52672	-0.52672
2216	SLU 51	-1.25848	-1.25848	SLU 2	-0.69858	-0.69858
2217	SLU 52	-1.39168	-1.39168	SLU 1	-0.78397	-0.78397
2218	SLU 52	-0.81728	-0.81728	SLU 1	-0.47962	-0.47962
2219	SLU 52	-0.84287	-0.84287	SLU 1	-0.4925	-0.4925
2220	SLU 52	-1.39542	-1.39542	SLU 1	-0.78254	-0.78254
2221	SLU 52	-1.00294	-1.00294	SLV 1	-0.5635	-0.5635
2222	SLU 51	-1.27298	-1.27298	SLU 2	-0.70595	-0.70595
2223	SLU 52	-0.89736	-0.89736	SLU 1	-0.51936	-0.51936
2224	SLU 52	-1.39509	-1.39509	SLU 1	-0.78632	-0.78632
2225	SLU 52	-1.6255	-1.6255	SLU 1	-0.90257	-0.90257
2226	SLU 52	-1.58925	-1.58925	SLU 1	-0.88357	-0.88357
2227	SLU 52	-0.82672	-0.82672	SLU 1	-0.48447	-0.48447
2228	SLU 52	-0.83493	-0.83493	SLU 1	-0.48859	-0.48859
2229	SLU 51	-1.28705	-1.28705	SLU 2	-0.7131	-0.7131
2230	SLU 52	-1.01538	-1.01538	SLV 1	-0.57126	-0.57126
2231	SLU 52	-1.55265	-1.55265	SLU 1	-0.86439	-0.86439
2232	SLU 52	-1.51653	-1.51653	SLU 1	-0.84547	-0.84547
2233	SLU 52	-1.48097	-1.48097	SLU 1	-0.82685	-0.82685
2234	SLU 52	-1.39929	-1.39929	SLU 1	-0.78909	-0.78909
2235	SLU 50	-0.71292	-0.71292	SLV 3	-0.38556	-0.38556
2236	SLU 52	-1.45018	-1.45018	SLU 1	-0.81074	-0.81074
2237	SLU 51	-1.29978	-1.29978	SLU 2	-0.71957	-0.71957
2238	SLU 50	-0.72699	-0.72699	SLV 1	-0.39957	-0.39957
2239	SLU 50	-0.7003	-0.7003	SLV 3	-0.37286	-0.37286
2240	SLU 52	-0.88383	-0.88383	SLU 1	-0.51261	-0.51261
2241	SLU 52	-1.03025	-1.03025	SLV 1	-0.58284	-0.58284
2242	SLU 52	-1.42496	-1.42496	SLU 1	-0.79759	-0.79759
2243	SLU 51	-1.31072	-1.31072	SLU 2	-0.72513	-0.72513
2244	SLU 52	-1.40399	-1.40399	SLU 1	-0.79213	-0.79213
2245	SLU 52	-0.87237	-0.87237	SLU 1	-0.50697	-0.50697
2246	SLU 52	-1.44184	-1.44184	SLU 1	-0.81744	-0.81744
2247	SLU 50	-0.80453	-0.80453	SLV 1	-0.46909	-0.46909
2248	SLU 51	-1.31978	-1.31978	SLU 2	-0.72973	-0.72973
2249	SLU 52	-0.85664	-0.85664	SLU 1	-0.49928	-0.49928
2250	SLU 51	-1.39431	-1.39431	SLU 2	-0.77044	-0.77044
2251	SLU 52	-1.40916	-1.40916	SLU 1	-0.79543	-0.79543
2252	SLU 52	-0.86307	-0.86307	SLU 1	-0.50242	-0.50242
2253	SLU 52	-1.40491	-1.40491	SLU 1	-0.78721	-0.78721
2254	SLU 50	-0.7926	-0.7926	SLV 1	-0.45901	-0.45901
2255	SLU 51	-1.32773	-1.32773	SLU 2	-0.73378	-0.73378
2256	SLU 52	-1.4148	-1.4148	SLU 1	-0.799	-0.799
2257	SLU 50	-0.76621	-0.76621	SLV 1	-0.43616	-0.43616
2258	SLU 50	-0.77926	-0.77926	SLV 1	-0.44754	-0.44754
2259	SLU 51	-1.38161	-1.38161	SLU 2	-0.76291	-0.76291
2260	SLU 51	-1.33528	-1.33528	SLU 2	-0.73764	-0.73764
2261	SLU 52	-1.44208	-1.44208	SLU 1	-0.81713	-0.81713
2262	SLU 51	-1.44137	-1.44137	SLU 2	-0.81168	-0.81168
2263	SLU 51	-1.43894	-1.43894	SLU 2	-0.80713	-0.80713
2264	SLU 52	-1.4208	-1.4208	SLU 1	-0.80279	-0.80279
2265	SLU 51	-1.08045	-1.08045	SLU 2	-0.61664	-0.61664
2266	SLU 51	-1.07988	-1.07988	SLU 2	-0.61367	-0.61367
2267	SLU 51	-1.07954	-1.07954	SLU 2	-0.61915	-0.61915
2268	SLU 51	-1.07715	-1.07715	SLU 2	-0.62056	-0.62056
2269	SLU 51	-1.3431	-1.3431	SLU 2	-0.74172	-0.74172
2270	SLU 51	-1.37038	-1.37038	SLU 2	-0.75653	-0.75653
2271	SLU 52	-1.07396	-1.07396	SLU 1	-0.61964	-0.61964
2272	SLU 51	-1.07821	-1.07821	SLU 2	-0.61071	-0.61071
2273	SLU 52	-1.42682	-1.42682	SLU 1	-0.80662	-0.80662
2274	SLU 52	-1.07018	-1.07018	SLU 1	-0.61699	-0.61699
2275	SLU 50	-0.75175	-0.75175	SLV 1	-0.42311	-0.42311
2276	SLU 52	-1.44042	-1.44042	SLU 1	-0.81569	-0.81569
2277	SLU 52	-1.0657	-1.0657	SLU 1	-0.61404	-0.61404
2278	SLU 51	-1.35117	-1.35117	SLU 2	-0.74603	-0.74603
2279	SLU 52	-1.43228	-1.43228	SLU 1	-0.81014	-0.81014
2280	SLU 51	-1.36017	-1.36017	SLU 2	-0.75091	-0.75091
2281	SLU 51	-1.43589	-1.43589	SLU 2	-0.80275	-0.80275

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
2282	SLU 51	-1.07625	-1.07625	SLU 2	-0.60829	-0.60829
2283	SLU 52	-1.43708	-1.43708	SLU 1	-0.81332	-0.81332
2284	SLU 52	-1.06016	-1.06016	SLU 1	-0.61049	-0.61049
2285	SLU 51	-1.44372	-1.44372	SLU 2	-0.81701	-0.81701
2286	SLU 52	-1.05295	-1.05295	SLU 1	-0.60597	-0.60597
2287	SLU 52	-1.04307	-1.04307	SLV 1	-0.59216	-0.59216
2288	SLU 51	-1.40519	-1.40519	SLU 2	-0.77782	-0.77782
2289	SLU 52	-1.44517	-1.44517	SLU 1	-0.82014	-0.82014
2290	SLU 50	-0.73868	-0.73868	SLV 1	-0.41103	-0.41103
2291	SLU 52	-1.3835	-1.3835	SLU 1	-0.77718	-0.77718
2292	SLU 52	-1.38378	-1.38378	SLU 1	-0.77777	-0.77777
2293	SLU 52	-1.38429	-1.38429	SLU 1	-0.77719	-0.77719
2294	SLU 52	-1.3848	-1.3848	SLU 1	-0.7788	-0.7788
2295	SLU 51	-1.41494	-1.41494	SLU 2	-0.7847	-0.7847
2296	SLU 52	-1.38669	-1.38669	SLU 1	-0.77809	-0.77809
2297	SLU 52	-1.38645	-1.38645	SLU 1	-0.78018	-0.78018
2298	SLU 52	-1.38878	-1.38878	SLU 1	-0.78196	-0.78196
2299	SLU 51	-1.42378	-1.42378	SLU 2	-0.7914	-0.7914
2300	SLU 51	-1.43182	-1.43182	SLU 2	-0.79829	-0.79829
2301	SLU 52	-1.39185	-1.39185	SLU 1	-0.78415	-0.78415
2302	SLU 50	-0.72825	-0.72825	SLV 1	-0.40119	-0.40119
2303	SLU 52	-1.39108	-1.39108	SLU 1	-0.78011	-0.78011
2304	SLU 52	-1.39563	-1.39563	SLU 1	-0.78671	-0.78671
2305	SLU 52	-1.40015	-1.40015	SLU 1	-0.78967	-0.78967
2306	SLU 52	-1.03505	-1.03505	SLV 1	-0.57803	-0.57803
2307	SLU 52	-1.39643	-1.39643	SLU 1	-0.7827	-0.7827
2308	SLU 52	-1.40532	-1.40532	SLU 1	-0.79299	-0.79299
2309	SLU 52	-1.44753	-1.44753	SLU 1	-0.82059	-0.82059
2310	SLU 51	-1.44464	-1.44464	SLU 2	-0.81463	-0.81463
2311	SLU 52	-1.41105	-1.41105	SLU 1	-0.79663	-0.79663
2312	SLU 52	-1.0401	-1.0401	SLV 1	-0.58184	-0.58184
2313	SLU 51	-1.44295	-1.44295	SLU 2	-0.81087	-0.81087
2314	SLU 52	-1.41722	-1.41722	SLU 1	-0.80051	-0.80051
2315	SLU 52	-0.84907	-0.84907	SLV 1	-0.49426	-0.49426
2316	SLU 52	-1.42376	-1.42376	SLU 1	-0.80462	-0.80462
2317	SLU 51	-1.12779	-1.12779	SLU 2	-0.63055	-0.63055
2318	SLU 51	-1.112	-1.112	SLU 2	-0.62219	-0.62219
2319	SLU 51	-1.09866	-1.09866	SLU 2	-0.61509	-0.61509
2320	SLU 51	-1.14477	-1.14477	SLU 2	-0.63952	-0.63952
2321	SLU 51	-1.08838	-1.08838	SLU 2	-0.60958	-0.60958
2322	SLU 51	-1.08109	-1.08109	SLU 2	-0.60564	-0.60564
2323	SLU 51	-1.07616	-1.07616	SLU 2	-0.60297	-0.60297
2324	SLU 51	-1.0727	-1.0727	SLU 2	-0.60113	-0.60113
2325	SLU 51	-1.16135	-1.16135	SLU 2	-0.64825	-0.64825
2326	SLU 52	-1.44603	-1.44603	SLU 1	-0.81909	-0.81909
2327	SLU 51	-1.06756	-1.06756	SLU 2	-0.59867	-0.59867
2328	SLU 51	-1.06581	-1.06581	SLU 2	-0.59808	-0.59808
2329	SLU 51	-1.08228	-1.08228	SLU 2	-0.62301	-0.62301
2330	SLU 51	-1.06993	-1.06993	SLU 2	-0.59975	-0.59975
2331	SLU 51	-1.06524	-1.06524	SLU 2	-0.59829	-0.59829
2332	SLU 51	-1.08329	-1.08329	SLU 2	-0.61993	-0.61993
2333	SLU 51	-1.17609	-1.17609	SLU 2	-0.65601	-0.65601
2334	SLU 51	-1.06635	-1.06635	SLU 2	-0.59964	-0.59964
2335	SLU 52	-1.08026	-1.08026	SLU 1	-0.62393	-0.62393
2336	SLU 51	-1.1883	-1.1883	SLU 2	-0.66243	-0.66243
2337	SLU 51	-1.19827	-1.19827	SLU 2	-0.66766	-0.66766
2338	SLU 52	-1.07773	-1.07773	SLU 1	-0.62178	-0.62178
2339	SLU 51	-1.06933	-1.06933	SLU 2	-0.60235	-0.60235
2340	SLU 51	-1.08252	-1.08252	SLU 2	-0.6165	-0.6165
2341	SLU 51	-1.4401	-1.4401	SLU 2	-0.80665	-0.80665
2342	SLU 51	-1.20719	-1.20719	SLU 2	-0.67232	-0.67232
2343	SLU 52	-1.43039	-1.43039	SLU 1	-0.8088	-0.8088
2344	SLU 52	-1.07378	-1.07378	SLU 1	-0.61908	-0.61908
2345	SLU 52	-0.94812	-0.94812	SLV 1	-0.53279	-0.53279
2346	SLU 52	-0.95877	-0.95877	SLV 1	-0.53544	-0.53544
2347	SLU 52	-0.93651	-0.93651	SLV 1	-0.52929	-0.52929
2348	SLU 51	-1.21641	-1.21641	SLU 2	-0.67709	-0.67709
2349	SLU 51	-1.07382	-1.07382	SLU 2	-0.60638	-0.60638
2350	SLU 52	-1.43652	-1.43652	SLU 1	-0.8127	-0.8127
2351	SLU 52	-0.96901	-0.96901	SLV 1	-0.53765	-0.53765
2352	SLU 52	-1.44208	-1.44208	SLU 1	-0.81633	-0.81633
2353	SLU 51	-1.08046	-1.08046	SLU 2	-0.61324	-0.61324
2354	SLU 51	-1.22698	-1.22698	SLU 2	-0.68253	-0.68253
2355	SLU 52	-0.92367	-0.92367	SLV 1	-0.52468	-0.52468
2356	SLU 52	-1.06921	-1.06921	SLU 1	-0.61611	-0.61611
2357	SLU 52	-0.97955	-0.97955	SLV 1	-0.54024	-0.54024
2358	SLU 51	-1.23934	-1.23934	SLU 2	-0.68888	-0.68888
2359	SLU 52	-0.83859	-0.83859	SLV 1	-0.48796	-0.48796
2360	SLU 52	-0.90977	-0.90977	SLV 1	-0.51914	-0.51914
2361	SLU 52	-0.99073	-0.99073	SLV 1	-0.54379	-0.54379
2362	SLU 51	-1.43717	-1.43717	SLU 2	-0.80331	-0.80331
2363	SLU 51	-1.25326	-1.25326	SLU 2	-0.69601	-0.69601
2364	SLU 52	-0.82972	-0.82972	SLV 1	-0.48266	-0.48266
2365	SLU 52	-0.89542	-0.89542	SLV 1	-0.51301	-0.51301
2366	SLU 52	-1.00253	-1.00253	SLV 1	-0.5488	-0.5488
2367	SLU 51	-1.26781	-1.26781	SLU 2	-0.70349	-0.70349
2368	SLU 51	-1.07792	-1.07792	SLU 2	-0.61045	-0.61045
2369	SLU 52	-0.82041	-0.82041	SLV 1	-0.47632	-0.47632
2370	SLU 52	-1.01476	-1.01476	SLV 1	-0.55566	-0.55566
2371	SLU 51	-1.28213	-1.28213	SLU 2	-0.71085	-0.71085
2372	SLU 52	-1.61826	-1.61826	SLU 1	-0.89776	-0.89776
2373	SLU 52	-1.58286	-1.58286	SLU 1	-0.8793	-0.8793
2374	SLU 52	-1.0644	-1.0644	SLV 1	-0.61194	-0.61194
2375	SLU 52	-0.88175	-0.88175	SLV 1	-0.50677	-0.50677
2376	SLU 52	-1.54604	-1.54604	SLU 1	-0.86009	-0.86009
2377	SLU 52	-0.85885	-0.85885	SLV 1	-0.49683	-0.49683
2378	SLU 52	-1.51007	-1.51007	SLU 1	-0.84133	-0.84133
2379	SLU 52	-1.47583	-1.47583	SLU 1	-0.8235	-0.8235
2380	SLU 52	-1.4459	-1.4459	SLU 1	-0.80793	-0.80793

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
2381	SLU 52	-0.80981	-0.80981	SLV 1	-0.46846	-0.46846
2382	SLU 52	-1.0269	-1.0269	SLV 1	-0.56382	-0.56382
2383	SLU 51	-1.29525	-1.29525	SLU 2	-0.71761	-0.71761
2384	SLU 52	-0.86952	-0.86952	SLV 1	-0.50124	-0.50124
2385	SLU 52	-1.42296	-1.42296	SLU 1	-0.79605	-0.79605
2386	SLU 51	-1.44898	-1.44898	SLU 2	-0.82136	-0.82136
2387	SLU 52	-1.05718	-1.05718	SLV 1	-0.59791	-0.59791
2388	SLU 50	-0.69917	-0.69917	SLV 1	-0.37292	-0.37292
2389	SLU 51	-1.30659	-1.30659	SLU 2	-0.72348	-0.72348
2390	SLU 50	-0.68807	-0.68807	SLV 1	-0.36188	-0.36188
2391	SLU 52	-1.4054	-1.4054	SLU 1	-0.78702	-0.78702
2392	SLU 52	-1.049	-1.049	SLV 1	-0.58551	-0.58551
2393	SLU 50	-0.79809	-0.79809	SLV 1	-0.45919	-0.45919
2394	SLU 52	-1.45304	-1.45304	SLU 1	-0.82519	-0.82519
2395	SLU 51	-1.31608	-1.31608	SLU 2	-0.72841	-0.72841
2396	SLU 50	-0.7108	-0.7108	SLV 1	-0.38424	-0.38424
2397	SLU 52	-1.03512	-1.03512	SLV 1	-0.5689	-0.5689
2398	SLU 51	-1.32427	-1.32427	SLU 2	-0.73269	-0.73269
2399	SLU 51	-1.38085	-1.38085	SLU 2	-0.76406	-0.76406
2400	SLU 51	-1.39341	-1.39341	SLU 2	-0.77168	-0.77168
2401	SLU 50	-0.75724	-0.75724	SLV 1	-0.42596	-0.42596
2402	SLU 52	-1.3838	-1.3838	SLU 1	-0.7777	-0.7777
2403	SLU 52	-1.38307	-1.38307	SLU 1	-0.77683	-0.77683
2404	SLU 51	-1.33187	-1.33187	SLU 2	-0.73671	-0.73671
2405	SLU 52	-1.04223	-1.04223	SLV 1	-0.57545	-0.57545
2406	SLU 51	-1.36901	-1.36901	SLV 1	-0.7564	-0.7564
2407	SLU 52	-1.38329	-1.38329	SLU 1	-0.77651	-0.77651
2408	SLU 52	-1.38516	-1.38516	SLU 1	-0.77894	-0.77894
2409	SLU 50	-0.77093	-0.77093	SLV 1	-0.4372	-0.4372
2410	SLU 52	-1.39685	-1.39685	SLU 1	-0.78742	-0.78742
2411	SLU 51	-1.33978	-1.33978	SLU 2	-0.74096	-0.74096
2412	SLU 52	-1.38708	-1.38708	SLU 1	-0.7805	-0.7805
2413	SLU 50	-0.74359	-0.74359	SLV 1	-0.4142	-0.4142
2414	SLU 51	-1.35812	-1.35812	SLV 1	-0.75082	-0.75082
2415	SLU 52	-1.39545	-1.39545	SLU 1	-0.78195	-0.78195
2416	SLU 52	-1.4015	-1.4015	SLU 1	-0.79047	-0.79047
2417	SLU 52	-1.45452	-1.45452	SLU 1	-0.82469	-0.82469
2418	SLU 52	-1.39295	-1.39295	SLU 1	-0.78478	-0.78478
2419	SLU 51	-1.34838	-1.34838	SLU 2	-0.74566	-0.74566
2420	SLU 51	-1.44726	-1.44726	SLU 2	-0.81506	-0.81506
2421	SLU 52	-1.38504	-1.38504	SLU 1	-0.77704	-0.77704
2422	SLU 52	-1.38964	-1.38964	SLU 1	-0.78243	-0.78243
2423	SLU 50	-0.78463	-0.78463	SLV 1	-0.44799	-0.44799
2424	SLU 52	-1.38893	-1.38893	SLU 1	-0.77876	-0.77876
2425	SLU 51	-1.4337	-1.4337	SLU 2	-0.80012	-0.80012
2426	SLU 52	-1.40696	-1.40696	SLU 1	-0.79397	-0.79397
2427	SLU 50	-0.71964	-0.71964	SLV 1	-0.39251	-0.39251
2428	SLU 50	-0.73092	-0.73092	SLV 1	-0.40286	-0.40286
2429	SLU 51	-1.4055	-1.4055	SLU 2	-0.77952	-0.77952
2430	SLU 52	-1.41308	-1.41308	SLU 1	-0.79783	-0.79783
2431	SLU 52	-1.07232	-1.07232	SLU 1	-0.61787	-0.61787
2432	SLU 51	-1.08501	-1.08501	SLU 2	-0.62693	-0.62693
2433	SLU 52	-1.08405	-1.08405	SLU 1	-0.62593	-0.62593
2434	SLU 51	-1.08617	-1.08617	SLU 2	-0.6229	-0.6229
2435	SLU 52	-1.41972	-1.41972	SLU 1	-0.80199	-0.80199
2436	SLU 51	-1.08254	-1.08254	SLU 2	-0.61576	-0.61576
2437	SLU 52	-1.08105	-1.08105	SLU 1	-0.62349	-0.62349
2438	SLU 51	-1.41668	-1.41668	SLU 2	-0.78718	-0.78718
2439	SLU 51	-1.4267	-1.4267	SLU 2	-0.79454	-0.79454
2440	SLU 51	-1.44384	-1.44384	SLU 2	-0.80994	-0.80994
2441	SLU 52	-1.45226	-1.45226	SLU 1	-0.82271	-0.82271
2442	SLU 51	-1.08496	-1.08496	SLU 2	-0.61908	-0.61908
2443	SLU 52	-1.07666	-1.07666	SLU 1	-0.6206	-0.6206
2444	SLU 52	-1.4267	-1.4267	SLU 1	-0.80636	-0.80636
2445	SLU 51	-1.43926	-1.43926	SLU 2	-0.80518	-0.80518
2446	SLU 52	-1.43379	-1.43379	SLU 1	-0.81079	-0.81079
2447	SLU 52	-1.44722	-1.44722	SLU 1	-0.81931	-0.81931
2448	SLU 52	-1.44074	-1.44074	SLU 1	-0.81516	-0.81516
2457	SLU 52	-1.07041	-1.07041	SLV 1	-0.60433	-0.60433
2458	SLU 51	-1.08126	-1.08126	SLU 2	-0.6149	-0.6149
2459	SLU 52	-1.46049	-1.46049	SLU 1	-0.82774	-0.82774
2460	SLU 52	-1.46081	-1.46081	SLU 1	-0.82969	-0.82969
2461	SLU 51	-1.45507	-1.45507	SLU 2	-0.82826	-0.82826
2462	SLU 51	-1.45001	-1.45001	SLU 2	-0.81669	-0.81669
2463	SLU 51	-1.08841	-1.08841	SLU 2	-0.62421	-0.62421
2464	SLU 52	-1.08821	-1.08821	SLU 1	-0.62958	-0.62958
2465	SLU 52	-1.08756	-1.08756	SLU 1	-0.62764	-0.62764
2466	SLU 52	-1.08276	-1.08276	SLU 1	-0.62411	-0.62411
2467	SLU 51	-1.43574	-1.43574	SLU 2	-0.80241	-0.80241
2468	SLU 52	-1.06163	-1.06163	SLV 1	-0.58764	-0.58764
2469	SLU 52	-1.39853	-1.39853	SLV 9	-0.78583	-0.78583
2470	SLU 52	-1.40299	-1.40299	SLV 9	-0.78849	-0.78849
2471	SLU 52	-1.05305	-1.05305	SLV 1	-0.57544	-0.57544
2472	SLU 52	-1.40861	-1.40861	SLV 9	-0.79159	-0.79159
2473	SLU 52	-1.03669	-1.03669	SLV 1	-0.55782	-0.55782
2474	SLU 52	-1.04469	-1.04469	SLV 1	-0.56545	-0.56545
2475	SLU 52	-1.07831	-1.07831	SLV 1	-0.61569	-0.61569
2476	SLU 52	-1.41503	-1.41503	SLV 9	-0.79557	-0.79557
2477	SLU 51	-1.12574	-1.12574	SLU 2	-0.62958	-0.62958
2478	SLU 51	-1.14363	-1.14363	SLU 2	-0.63893	-0.63893
2479	SLU 51	-1.10934	-1.10934	SLU 2	-0.62099	-0.62099
2480	SLU 51	-1.09578	-1.09578	SLU 2	-0.61388	-0.61388
2481	SLU 51	-1.08564	-1.08564	SLU 2	-0.60855	-0.60855
2482	SLU 51	-1.16109	-1.16109	SLU 2	-0.64805	-0.64805
2483	SLU 51	-1.07882	-1.07882	SLU 2	-0.60498	-0.60498
2484	SLU 52	-0.82684	-0.82684	SLV 1	-0.47315	-0.47315
2485	SLU 51	-1.07458	-1.07458	SLU 2	-0.60281	-0.60281
2486	SLU 51	-1.07176	-1.07176	SLU 2	-0.60147	-0.60147
2487	SLU 51	-1.06708	-1.06708	SLU 2	-0.59962	-0.59962

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
2488	SLU 51	-1.17624	-1.17624	SLU 2	-0.65598	-0.65598
2489	SLU 51	-1.06524	-1.06524	SLU 2	-0.5992	-0.5992
2490	SLU 51	-1.06468	-1.06468	SLU 2	-0.59966	-0.59966
2491	SLU 51	-1.18807	-1.18807	SLU 2	-0.66221	-0.66221
2492	SLU 51	-1.0694	-1.0694	SLU 2	-0.60047	-0.60047
2493	SLU 51	-1.06606	-1.06606	SLU 2	-0.60141	-0.60141
2494	SLU 51	-1.06964	-1.06964	SLU 2	-0.60469	-0.60469
2495	SLU 52	-1.42204	-1.42204	SLV 9	-0.80042	-0.80042
2496	SLU 51	-1.1971	-1.1971	SLU 2	-0.66698	-0.66698
2497	SLU 51	-1.08626	-1.08626	SLU 2	-0.62059	-0.62059
2498	SLU 51	-1.07515	-1.07515	SLU 2	-0.6095	-0.6095
2499	SLU 51	-1.44113	-1.44113	SLU 2	-0.80724	-0.80724
2500	SLU 51	-1.20497	-1.20497	SLU 2	-0.67114	-0.67114
2501	SLU 52	-0.83546	-0.83546	SLV 5	-0.47727	-0.47727
2502	SLU 52	-0.95945	-0.95945	SLV 1	-0.5237	-0.5237
2503	SLU 52	-1.42934	-1.42934	SLV 9	-0.80583	-0.80583
2504	SLU 52	-0.94908	-0.94908	SLV 1	-0.52172	-0.52172
2505	SLU 51	-1.21338	-1.21338	SLU 2	-0.67555	-0.67555
2506	SLU 52	-1.39504	-1.39504	SLV 9	-0.78185	-0.78185
2507	SLU 51	-1.44662	-1.44662	SLU 2	-0.81254	-0.81254
2508	SLU 52	-0.96938	-0.96938	SLV 1	-0.52506	-0.52506
2509	SLU 52	-0.93753	-0.93753	SLV 1	-0.5187	-0.5187
2510	SLU 52	-0.92436	-0.92436	SLV 1	-0.51435	-0.51435
2511	SLU 51	-1.22352	-1.22352	SLU 2	-0.68083	-0.68083
2512	SLU 52	-0.97982	-0.97982	SLV 1	-0.5268	-0.5268
2513	SLU 52	-1.43676	-1.43676	SLV 9	-0.81138	-0.81138
2514	SLU 52	-1.458	-1.458	SLU 1	-0.82583	-0.82583
2515	SLU 52	-1.38543	-1.38543	SLV 9	-0.77842	-0.77842
2516	SLU 52	-0.81757	-0.81757	SLV 1	-0.46703	-0.46703
2517	SLU 52	-1.38699	-1.38699	SLV 9	-0.77841	-0.77841
2518	SLU 52	-0.90991	-0.90991	SLV 1	-0.50882	-0.50882
2519	SLU 51	-1.23586	-1.23586	SLU 2	-0.68723	-0.68723
2520	SLU 52	-1.39157	-1.39157	SLV 9	-0.77965	-0.77965
2521	SLU 52	-1.38896	-1.38896	SLV 9	-0.77876	-0.77876
2522	SLU 52	-1.0282	-1.0282	SLV 1	-0.54906	-0.54906
2523	SLU 52	-0.99117	-0.99117	SLV 1	-0.52961	-0.52961
2524	SLU 52	-1.38433	-1.38433	SLU 1	-0.77733	-0.77733
2525	SLU 51	-1.25015	-1.25015	SLU 2	-0.69463	-0.69463
2526	SLU 52	-1.38388	-1.38388	SLU 1	-0.77662	-0.77662
2527	SLU 52	-0.89501	-0.89501	SLV 1	-0.50268	-0.50268
2528	SLU 52	-1.00339	-1.00339	SLV 1	-0.53403	-0.53403
2529	SLU 52	-1.01595	-1.01595	SLV 1	-0.54038	-0.54038
2530	SLU 52	-1.44438	-1.44438	SLV 9	-0.81695	-0.81695
2531	SLU 52	-1.4039	-1.4039	SLU 1	-0.78581	-0.78581
2532	SLU 52	-1.38477	-1.38477	SLU 1	-0.77667	-0.77667
2533	SLU 52	-1.45189	-1.45189	SLU 1	-0.82187	-0.82187
2534	SLU 51	-1.26543	-1.26543	SLU 2	-0.70255	-0.70255
2535	SLU 52	-1.39406	-1.39406	SLU 1	-0.78089	-0.78089
2536	SLU 52	-1.38789	-1.38789	SLU 1	-0.77795	-0.77795
2537	SLU 52	-0.88085	-0.88085	SLV 1	-0.49658	-0.49658
2538	SLU 52	-0.86812	-0.86812	SLV 1	-0.49106	-0.49106
2539	SLU 52	-1.41914	-1.41914	SLU 1	-0.79355	-0.79355
2540	SLU 51	-1.28065	-1.28065	SLU 2	-0.71047	-0.71047
2541	SLU 52	-0.85649	-0.85649	SLV 5	-0.48526	-0.48526
2542	SLU 51	-1.29454	-1.29454	SLU 2	-0.71774	-0.71774
2543	SLU 52	-1.44197	-1.44197	SLU 1	-0.80528	-0.80528
2544	SLU 52	-1.61685	-1.61685	SLU 1	-0.896	-0.896
2545	SLU 52	-1.58136	-1.58136	SLU 1	-0.87757	-0.87757
2546	SLU 52	-1.54352	-1.54352	SLU 1	-0.85791	-0.85791
2547	SLU 52	-1.47241	-1.47241	SLU 1	-0.82102	-0.82102
2548	SLU 52	-1.50747	-1.50747	SLU 1	-0.8392	-0.8392
2549	SLU 51	-1.30623	-1.30623	SLU 2	-0.72391	-0.72391
2550	SLU 50	-0.79457	-0.79457	SLV 1	-0.4501	-0.4501
2551	SLU 51	-1.31562	-1.31562	SLU 2	-0.72891	-0.72891
2552	SLU 52	-0.84481	-0.84481	SLV 5	-0.4785	-0.4785
2553	SLU 52	-0.80626	-0.80626	SLV 1	-0.45808	-0.45808
2554	SLU 51	-1.38102	-1.38102	SLV 1	-0.7486	-0.7486
2555	SLU 51	-1.32336	-1.32336	SLU 2	-0.73309	-0.73309
2556	SLU 50	-0.74997	-0.74997	SLV 1	-0.4157	-0.4157
2557	SLU 51	-1.36846	-1.36846	SLV 1	-0.74163	-0.74163
2558	SLU 51	-1.3305	-1.3305	SLV 1	-0.73338	-0.73338
2559	SLU 51	-1.39413	-1.39413	SLV 1	-0.75727	-0.75727
2560	SLU 51	-1.3569	-1.3569	SLV 1	-0.73672	-0.73672
2561	SLU 50	-0.67725	-0.67725	SLV 1	-0.34973	-0.34973
2562	SLU 50	-0.73612	-0.73612	SLV 1	-0.40429	-0.40429
2563	SLU 51	-1.33805	-1.33805	SLV 1	-0.73293	-0.73293
2564	SLU 51	-1.34674	-1.34674	SLV 1	-0.73389	-0.73389
2565	SLU 50	-0.68809	-0.68809	SLV 1	-0.36032	-0.36032
2566	SLU 50	-0.72284	-0.72284	SLV 1	-0.39287	-0.39287
2567	SLU 51	-1.40686	-1.40686	SLV 1	-0.7672	-0.7672
2568	SLU 51	-1.43143	-1.43143	SLV 5	-0.79167	-0.79167
2569	SLU 50	-0.71058	-0.71058	SLV 1	-0.38182	-0.38182
2570	SLU 50	-0.7641	-0.7641	SLV 1	-0.42642	-0.42642
2571	SLU 51	-1.41926	-1.41926	SLV 1	-0.77934	-0.77934
2572	SLU 50	-0.69903	-0.69903	SLV 1	-0.37086	-0.37086
2573	SLU 52	-1.40025	-1.40025	SLV 9	-0.77774	-0.77774
2574	SLU 52	-1.40427	-1.40427	SLV 9	-0.77818	-0.77818
2575	SLU 52	-1.41005	-1.41005	SLV 9	-0.78016	-0.78016
2576	SLU 52	-1.0391	-1.0391	SLV 1	-0.54865	-0.54865
2577	SLU 52	-1.41683	-1.41683	SLV 9	-0.7835	-0.7835
2582	SLU 52	-1.42424	-1.42424	SLV 9	-0.78803	-0.78803
2583	SLU 52	-1.43177	-1.43177	SLV 9	-0.79327	-0.79327
2584	SLU 52	-1.43907	-1.43907	SLV 9	-0.79801	-0.79801
2585	SLU 51	-1.44132	-1.44132	SLV 5	-0.79266	-0.79266
2586	SLU 50	-0.77942	-0.77942	SLV 1	-0.43601	-0.43601
2587	SLU 52	-1.04669	-1.04669	SLV 1	-0.55366	-0.55366
2588	SLU 52	-1.05584	-1.05584	SLV 1	-0.56222	-0.56222
2589	SLU 52	-1.07387	-1.07387	SLV 1	-0.58668	-0.58668
2590	SLU 52	-1.06513	-1.06513	SLV 1	-0.57346	-0.57346

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
2591	SLU 52	-1.46968	-1.46968	SLV 9	-0.82154	-0.82154
2592	SLU 51	-1.45465	-1.45465	SLV 5	-0.80518	-0.80518
2593	SLU 51	-1.09156	-1.09156	SLV 9	-0.62647	-0.62647
2594	SLU 52	-1.08803	-1.08803	SLV 1	-0.61232	-0.61232
2595	SLU 51	-1.44882	-1.44882	SLV 5	-0.79765	-0.79765
2596	SLU 52	-1.08165	-1.08165	SLV 1	-0.59926	-0.59926
2597	SLU 52	-1.44696	-1.44696	SLV 9	-0.80034	-0.80034
2598	SLU 52	-1.39851	-1.39851	SLV 9	-0.76947	-0.76947
2599	SLU 52	-1.46364	-1.46364	SLV 9	-0.81363	-0.81363
2600	SLU 50	-0.80127	-0.80127	SLV 1	-0.4503	-0.4503
2601	SLU 52	-1.45576	-1.45576	SLV 9	-0.80625	-0.80625
2602	SLU 52	-1.38993	-1.38993	SLV 9	-0.76798	-0.76798
2603	SLU 52	-1.39172	-1.39172	SLV 9	-0.76764	-0.76764
2604	SLU 52	-1.39426	-1.39426	SLV 9	-0.76775	-0.76775
2605	SLU 51	-1.08774	-1.08774	SLV 9	-0.61885	-0.61885
2606	SLU 52	-1.38843	-1.38843	SLV 9	-0.7683	-0.7683
2607	SLU 52	-0.83359	-0.83359	SLV 5	-0.46605	-0.46605
2608	SLU 52	-0.82628	-0.82628	SLV 5	-0.46289	-0.46289
2609	SLU 50	-0.79493	-0.79493	SLV 1	-0.44555	-0.44555
2610	SLU 52	-1.38702	-1.38702	SLV 9	-0.76834	-0.76834
2611	SLU 52	-0.83932	-0.83932	SLV 5	-0.46763	-0.46763
2612	SLU 52	-1.38581	-1.38581	SLV 9	-0.76854	-0.76854
2613	SLU 51	-1.08234	-1.08234	SLV 9	-0.61036	-0.61036
2614	SLU 52	-0.81831	-0.81831	SLV 5	-0.45855	-0.45855
2615	SLU 52	-1.38555	-1.38555	SLV 9	-0.76953	-0.76953
2616	SLU 52	-1.3875	-1.3875	SLV 9	-0.77208	-0.77208
2617	SLU 52	-1.39272	-1.39272	SLV 9	-0.77659	-0.77659
2618	SLU 52	-1.40152	-1.40152	SLV 9	-0.78262	-0.78262
2619	SLU 50	-0.78764	-0.78764	SLV 1	-0.43901	-0.43901
2620	SLU 52	-1.40451	-1.40451	SLV 9	-0.76671	-0.76671
2621	SLU 52	-1.03369	-1.03369	SLV 1	-0.53504	-0.53504
2622	SLU 52	-0.80988	-0.80988	SLV 5	-0.45273	-0.45273
2623	SLU 51	-1.1437	-1.1437	SLU 2	-0.63909	-0.63909
2624	SLU 51	-1.12431	-1.12431	SLU 2	-0.62906	-0.62906
2625	SLU 51	-1.16287	-1.16287	SLU 2	-0.64903	-0.64903
2626	SLU 51	-1.10702	-1.10702	SLU 2	-0.62011	-0.62011
2627	SLU 51	-1.09317	-1.09317	SLU 2	-0.61295	-0.61295
2628	SLU 51	-1.08331	-1.08331	SLU 2	-0.6079	-0.6079
2629	SLU 51	-1.17892	-1.17892	SLU 2	-0.65739	-0.65739
2630	SLU 51	-1.07729	-1.07729	SLU 2	-0.60488	-0.60488
2631	SLU 51	-1.07423	-1.07423	SLU 2	-0.60348	-0.60348
2632	SLU 51	-1.06423	-1.06423	SLV 9	-0.59652	-0.59652
2633	SLU 51	-1.19005	-1.19005	SLU 2	-0.66324	-0.66324
2634	SLU 51	-1.07256	-1.07256	SLU 2	-0.60293	-0.60293
2635	SLU 51	-1.06544	-1.06544	SLV 9	-0.59514	-0.59514
2636	SLU 51	-1.06915	-1.06915	SLV 9	-0.5964	-0.5964
2637	SLU 51	-1.19738	-1.19738	SLU 2	-0.66717	-0.66717
2638	SLU 51	-1.06542	-1.06542	SLV 9	-0.60017	-0.60017
2639	SLU 52	-1.44022	-1.44022	SLV 9	-0.78557	-0.78557
2640	SLU 51	-1.06806	-1.06806	SLU 2	-0.60166	-0.60166
2641	SLU 51	-1.20361	-1.20361	SLU 2	-0.67052	-0.67052
2642	SLU 51	-1.21096	-1.21096	SLU 2	-0.67443	-0.67443
2643	SLU 52	-0.97074	-0.97074	SLV 1	-0.51255	-0.51255
2644	SLU 51	-1.07072	-1.07072	SLU 2	-0.60244	-0.60244
2645	SLU 52	-0.9616	-0.9616	SLV 1	-0.51224	-0.51224
2646	SLU 52	-0.98072	-0.98072	SLV 1	-0.51322	-0.51322
2647	SLU 52	-0.92733	-0.92733	SLV 1	-0.50455	-0.50455
2648	SLU 51	-1.22069	-1.22069	SLU 2	-0.67955	-0.67955
2649	SLU 52	-0.91181	-0.91181	SLV 1	-0.49871	-0.49871
2650	SLU 52	-1.0187	-1.0187	SLV 1	-0.52507	-0.52507
2651	SLU 52	-0.99208	-0.99208	SLV 1	-0.51514	-0.51514
2652	SLU 52	-0.86813	-0.86813	SLV 5	-0.47843	-0.47843
2653	SLU 52	-0.95221	-0.95221	SLV 1	-0.51117	-0.51117
2654	SLU 51	-1.23319	-1.23319	SLU 2	-0.6861	-0.6861
2655	SLU 52	-1.00484	-1.00484	SLV 1	-0.51892	-0.51892
2656	SLU 52	-1.41108	-1.41108	SLV 9	-0.76736	-0.76736
2657	SLU 52	-0.89576	-0.89576	SLV 1	-0.49223	-0.49223
2658	SLU 52	-0.88084	-0.88084	SLV 5	-0.48541	-0.48541
2659	SLU 52	-0.94106	-0.94106	SLV 1	-0.50862	-0.50862
2660	SLU 52	-1.41404	-1.41404	SLV 9	-0.78877	-0.78877
2661	SLU 51	-1.24821	-1.24821	SLU 2	-0.69395	-0.69395
2662	SLU 52	-1.43418	-1.43418	SLV 9	-0.77982	-0.77982
2663	SLU 52	-0.85715	-0.85715	SLV 5	-0.47199	-0.47199
2664	SLU 51	-1.26478	-1.26478	SLU 2	-0.70262	-0.70262
2665	SLU 52	-1.4184	-1.4184	SLV 9	-0.76998	-0.76998
2666	SLU 51	-1.28156	-1.28156	SLU 2	-0.71144	-0.71144
2667	SLU 52	-1.42634	-1.42634	SLV 9	-0.77428	-0.77428
2668	SLU 50	-0.75764	-0.75764	SLV 1	-0.41569	-0.41569
2669	SLU 51	-1.07551	-1.07551	SLV 9	-0.59909	-0.59909
2670	SLU 51	-1.36809	-1.36809	SLV 1	-0.72687	-0.72687
2671	SLU 51	-1.29666	-1.29666	SLU 2	-0.71946	-0.71946
2672	SLU 51	-1.35598	-1.35598	SLV 1	-0.72272	-0.72272
2673	SLU 51	-1.38143	-1.38143	SLV 1	-0.73297	-0.73297
2674	SLU 50	-0.74401	-0.74401	SLV 1	-0.40517	-0.40517
2675	SLU 51	-1.3456	-1.3456	SLV 1	-0.7206	-0.7206
2676	SLU 51	-1.33708	-1.33708	SLV 1	-0.7204	-0.7204
2677	SLU 51	-1.39495	-1.39495	SLV 1	-0.74066	-0.74066
2678	SLU 51	-1.33014	-1.33014	SLV 1	-0.72184	-0.72184
2679	SLU 52	-1.43681	-1.43681	SLV 13	-0.80178	-0.80178
2680	SLU 50	-0.76836	-0.76836	SLV 1	-0.42323	-0.42323
2681	SLU 51	-1.31743	-1.31743	SLV 1	-0.72638	-0.72638
2682	SLU 51	-1.32402	-1.32402	SLV 1	-0.72412	-0.72412
2683	SLU 51	-1.30853	-1.30853	SLU 2	-0.72587	-0.72587
2684	SLU 50	-0.72971	-0.72971	SLV 1	-0.39358	-0.39358
2685	SLU 52	-1.61975	-1.61975	SLU 1	-0.8965	-0.8965
2686	SLU 52	-1.5829	-1.5829	SLU 1	-0.87744	-0.87744
2687	SLU 52	-1.54391	-1.54391	SLU 1	-0.85727	-0.85727
2688	SLU 52	-1.4678	-1.4678	SLU 1	-0.81792	-0.81792
2689	SLU 52	-1.50489	-1.50489	SLU 1	-0.83708	-0.83708

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
2690	SLU 52	-0.84758	-0.84758	SLV 5	-0.46552	-0.46552
2691	SLU 51	-1.40779	-1.40779	SLV 5	-0.74889	-0.74889
2692	SLU 50	-0.80319	-0.80319	SLV 5	-0.44633	-0.44633
2693	SLU 51	-1.42039	-1.42039	SLV 5	-0.75539	-0.75539
2694	SLU 50	-0.7156	-0.7156	SLV 1	-0.38161	-0.38161
2695	SLU 51	-1.43193	-1.43193	SLV 5	-0.76223	-0.76223
2696	SLU 52	-1.0467	-1.0467	SLV 1	-0.53878	-0.53878
2697	SLU 50	-0.66685	-0.66685	SLV 1	-0.33615	-0.33615
2698	SLU 50	-0.70178	-0.70178	SLV 1	-0.36925	-0.36925
2699	SLU 50	-0.79636	-0.79636	SLV 5	-0.44086	-0.44086
2700	SLU 50	-0.67777	-0.67777	SLV 1	-0.34605	-0.34605
2701	SLU 51	-1.44163	-1.44163	SLV 5	-0.76631	-0.76631
2702	SLU 52	-0.84065	-0.84065	SLV 5	-0.45941	-0.45941
2703	SLU 52	-1.05767	-1.05767	SLV 1	-0.54656	-0.54656
2708	SLU 52	-1.44717	-1.44717	SLV 9	-0.77795	-0.77795
2709	SLU 52	-1.06756	-1.06756	SLV 1	-0.55686	-0.55686
2710	SLU 51	-1.45003	-1.45003	SLV 5	-0.77101	-0.77101
2711	SLU 52	-1.07649	-1.07649	SLV 1	-0.56865	-0.56865
2712	SLU 52	-1.47503	-1.47503	SLV 9	-0.7949	-0.7949
2713	SLU 51	-1.45659	-1.45659	SLV 5	-0.77666	-0.77666
2714	SLU 51	-1.09221	-1.09221	SLV 9	-0.60864	-0.60864
2715	SLU 52	-1.09128	-1.09128	SLV 1	-0.59241	-0.59241
2716	SLU 52	-1.08461	-1.08461	SLV 1	-0.58108	-0.58108
2717	SLU 52	-0.83421	-0.83421	SLV 5	-0.45578	-0.45578
2718	SLU 52	-1.39343	-1.39343	SLV 9	-0.75705	-0.75705
2719	SLU 52	-1.45835	-1.45835	SLV 9	-0.78341	-0.78341
2720	SLU 52	-1.39468	-1.39468	SLV 9	-0.75568	-0.75568
2721	SLU 52	-1.46752	-1.46752	SLV 9	-0.78909	-0.78909
2722	SLU 52	-1.39224	-1.39224	SLV 9	-0.75792	-0.75792
2723	SLU 52	-1.39667	-1.39667	SLV 9	-0.7543	-0.7543
2724	SLU 50	-0.78874	-0.78874	SLV 5	-0.43453	-0.43453
2725	SLU 52	-0.82744	-0.82744	SLV 5	-0.45244	-0.45244
2726	SLU 50	-0.68763	-0.68763	SLV 1	-0.35479	-0.35479
2727	SLU 52	-1.39061	-1.39061	SLV 9	-0.75807	-0.75807
2728	SLU 52	-1.40015	-1.40015	SLV 9	-0.75337	-0.75337
2729	SLU 51	-1.08785	-1.08785	SLV 9	-0.60233	-0.60233
2730	SLU 52	-1.39842	-1.39842	SLV 9	-0.77188	-0.77188
2731	SLU 50	-0.77949	-0.77949	SLV 1	-0.42747	-0.42747
2732	SLU 52	-0.82014	-0.82014	SLV 5	-0.44863	-0.44863
2733	SLU 52	-1.38857	-1.38857	SLV 9	-0.75747	-0.75747
2734	SLU 52	-1.4053	-1.4053	SLV 9	-0.75203	-0.75203
2735	SLU 52	-1.39153	-1.39153	SLV 9	-0.76532	-0.76532
2736	SLU 51	-1.08282	-1.08282	SLV 9	-0.59573	-0.59573
2737	SLU 52	-1.38672	-1.38672	SLV 9	-0.7578	-0.7578
2738	SLU 52	-1.38717	-1.38717	SLV 9	-0.76021	-0.76021
2739	SLU 52	-1.43777	-1.43777	SLV 9	-0.76475	-0.76475
2740	SLU 52	-0.81267	-0.81267	SLV 5	-0.44423	-0.44423
2741	SLU 52	-1.4119	-1.4119	SLV 9	-0.7523	-0.7523
2742	SLU 51	-1.07831	-1.07831	SLV 9	-0.59116	-0.59116
2743	SLU 52	-1.42835	-1.42835	SLV 9	-0.75829	-0.75829
2744	SLU 52	-1.4196	-1.4196	SLV 9	-0.75433	-0.75433
2745	SLU 50	-0.80572	-0.80572	SLV 5	-0.43939	-0.43939
2746	SLU 50	-0.76795	-0.76795	SLV 1	-0.41712	-0.41712
2747	SLU 52	-0.86847	-0.86847	SLV 5	-0.46511	-0.46511
2748	SLU 50	-0.79886	-0.79886	SLV 5	-0.43388	-0.43388
2749	SLU 52	-0.85843	-0.85843	SLV 5	-0.45917	-0.45917
2750	SLU 50	-0.7547	-0.7547	SLV 1	-0.40639	-0.40639
2751	SLU 51	-1.0671	-1.0671	SLV 9	-0.58133	-0.58133
2752	SLU 51	-1.35462	-1.35462	SLV 1	-0.70895	-0.70895
2753	SLU 51	-1.36698	-1.36698	SLV 1	-0.71227	-0.71227
2754	SLU 52	-0.84957	-0.84957	SLV 5	-0.45324	-0.45324
2755	SLU 51	-1.34417	-1.34417	SLV 1	-0.70731	-0.70731
2756	SLU 51	-1.38092	-1.38092	SLV 1	-0.71728	-0.71728
2757	SLU 50	-0.73993	-0.73993	SLV 1	-0.39479	-0.39479
2758	SLU 51	-1.06369	-1.06369	SLV 9	-0.58003	-0.58003
2759	SLU 51	-1.18243	-1.18243	SLU 2	-0.65936	-0.65936
2760	SLU 51	-1.16447	-1.16447	SLU 2	-0.65007	-0.65007
2761	SLU 51	-1.14286	-1.14286	SLU 2	-0.63894	-0.63894
2762	SLU 51	-1.12194	-1.12194	SLU 2	-0.6282	-0.6282
2763	SLU 51	-1.10387	-1.10387	SLU 2	-0.61894	-0.61894
2764	SLU 52	-0.88045	-0.88045	SLV 5	-0.46999	-0.46999
2765	SLU 51	-1.08985	-1.08985	SLU 2	-0.61182	-0.61182
2766	SLU 51	-1.08036	-1.08036	SLU 2	-0.60709	-0.60709
2767	SLU 51	-1.395	-1.395	SLV 5	-0.72186	-0.72186
2768	SLU 51	-1.3358	-1.3358	SLV 1	-0.70756	-0.70756
2769	SLU 51	-1.19198	-1.19198	SLU 2	-0.66441	-0.66441
2770	SLU 51	-1.07526	-1.07526	SLU 2	-0.6047	-0.6047
2771	SLU 51	-1.06282	-1.06282	SLV 9	-0.58274	-0.58274
2772	SLU 51	-1.19685	-1.19685	SLU 2	-0.66709	-0.66709
2773	SLU 52	-1.01977	-1.01977	SLV 1	-0.50804	-0.50804
2774	SLU 52	-1.00545	-1.00545	SLV 1	-0.50304	-0.50304
2775	SLU 51	-1.07368	-1.07368	SLU 2	-0.60425	-0.60425
2776	SLU 51	-1.20136	-1.20136	SLU 2	-0.66958	-0.66958
2777	SLU 52	-0.99251	-0.99251	SLV 1	-0.50012	-0.50012
2778	SLU 52	-0.98136	-0.98136	SLV 1	-0.49911	-0.49911
2779	SLU 52	-0.9721	-0.9721	SLV 1	-0.49951	-0.49951
2780	SLU 51	-1.20783	-1.20783	SLU 2	-0.67307	-0.67307
2781	SLU 51	-1.21731	-1.21731	SLU 2	-0.67811	-0.67811
2782	SLU 52	-0.89656	-0.89656	SLV 5	-0.47921	-0.47921
2783	SLU 51	-1.07155	-1.07155	SLV 9	-0.5807	-0.5807
2784	SLU 51	-1.07382	-1.07382	SLU 2	-0.60485	-0.60485
2785	SLU 51	-1.06498	-1.06498	SLV 9	-0.58803	-0.58803
2786	SLU 52	-0.96407	-0.96407	SLV 1	-0.50051	-0.50051
2787	SLU 51	-1.23016	-1.23016	SLU 2	-0.68489	-0.68489
2788	SLU 52	-1.03446	-1.03446	SLV 1	-0.51473	-0.51473
2789	SLU 51	-1.32942	-1.32942	SLV 1	-0.70978	-0.70978
2790	SLU 51	-1.24609	-1.24609	SLU 2	-0.69328	-0.69328
2791	SLU 52	-0.91417	-0.91417	SLV 1	-0.48787	-0.48787
2792	SLU 52	-0.84237	-0.84237	SLV 5	-0.4485	-0.4485

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
2793	SLU 51	-1.2642	-1.2642	SLU 2	-0.70283	-0.70283
2794	SLU 52	-0.93152	-0.93152	SLV 1	-0.49438	-0.49438
2795	SLU 52	-1.40436	-1.40436	SLV 9	-0.76883	-0.76883
2796	SLU 51	-1.28297	-1.28297	SLU 2	-0.71278	-0.71278
2797	SLU 51	-1.3245	-1.3245	SLV 1	-0.71333	-0.71333
2798	SLU 51	-1.06919	-1.06919	SLV 9	-0.59481	-0.59481
2799	SLU 50	-0.79173	-0.79173	SLV 5	-0.42699	-0.42699
2800	SLU 50	-0.72433	-0.72433	SLV 1	-0.38225	-0.38225
2801	SLU 52	-0.9563	-0.9563	SLV 1	-0.50054	-0.50054
2802	SLU 51	-1.31977	-1.31977	SLV 1	-0.7173	-0.7173
2803	SLU 51	-1.29992	-1.29992	SLV 1	-0.71876	-0.71876
2804	SLU 51	-1.40701	-1.40701	SLV 5	-0.72347	-0.72347
2805	SLU 51	-1.42011	-1.42011	SLV 5	-0.72853	-0.72853
2806	SLU 52	-0.83596	-0.83596	SLV 5	-0.44465	-0.44465
2807	SLU 51	-1.07292	-1.07292	SLV 9	-0.60144	-0.60144
2808	SLU 51	-1.43118	-1.43118	SLV 5	-0.73319	-0.73319
2809	SLU 52	-1.39658	-1.39658	SLV 9	-0.74534	-0.74534
2810	SLU 52	-1.39587	-1.39587	SLV 9	-0.7473	-0.7473
2811	SLU 52	-0.94637	-0.94637	SLV 1	-0.4982	-0.4982
2812	SLU 52	-1.39695	-1.39695	SLV 9	-0.74268	-0.74268
2813	SLU 52	-1.42926	-1.42926	SLV 9	-0.78425	-0.78425
2814	SLU 52	-1.04727	-1.04727	SLV 1	-0.5205	-0.5205
2815	SLU 51	-1.44093	-1.44093	SLV 5	-0.73706	-0.73706
2816	SLU 50	-0.70901	-0.70901	SLV 1	-0.36941	-0.36941
2817	SLU 52	-1.3981	-1.3981	SLV 9	-0.73991	-0.73991
2818	SLU 51	-1.31189	-1.31189	SLV 1	-0.71893	-0.71893
2819	SLU 52	-1.4618	-1.4618	SLV 9	-0.80416	-0.80416
2820	SLU 52	-1.50044	-1.50044	SLV 9	-0.82742	-0.82742
2821	SLU 52	-1.46004	-1.46004	SLV 9	-0.7569	-0.7569
2822	SLU 52	-1.05899	-1.05899	SLV 1	-0.52913	-0.52913
2823	SLU 52	-0.82954	-0.82954	SLV 5	-0.44119	-0.44119
2824	SLU 52	-1.45023	-1.45023	SLV 9	-0.75255	-0.75255
2825	SLU 52	-1.54169	-1.54169	SLV 9	-0.85188	-0.85188
2826	SLU 52	-1.6238	-1.6238	SLU 1	-0.89763	-0.89763
2827	SLU 52	-1.47748	-1.47748	SLV 9	-0.76451	-0.76451
2828	SLU 51	-1.45684	-1.45684	SLV 5	-0.74584	-0.74584
2829	SLU 52	-1.09266	-1.09266	SLV 9	-0.58861	-0.58861
2830	SLU 52	-1.09306	-1.09306	SLV 1	-0.57261	-0.57261
2831	SLU 52	-1.46951	-1.46951	SLV 9	-0.76098	-0.76098
2832	SLU 52	-1.58353	-1.58353	SLV 9	-0.87653	-0.87653
2833	SLU 51	-1.44954	-1.44954	SLV 5	-0.74115	-0.74115
2834	SLU 52	-1.39423	-1.39423	SLV 9	-0.74746	-0.74746
2835	SLU 52	-1.08607	-1.08607	SLV 1	-0.5614	-0.5614
2836	SLU 52	-1.0691	-1.0691	SLV 1	-0.53908	-0.53908
2837	SLU 52	-1.07815	-1.07815	SLV 1	-0.55006	-0.55006
2838	SLU 52	-1.40082	-1.40082	SLV 9	-0.73753	-0.73753
2843	SLU 50	-0.69427	-0.69427	SLV 1	-0.35636	-0.35636
2844	SLU 52	-1.0868	-1.0868	SLV 9	-0.58424	-0.58424
2845	SLU 52	-0.82259	-0.82259	SLV 5	-0.4378	-0.4378
2846	SLU 52	-1.40538	-1.40538	SLV 9	-0.73563	-0.73563
2847	SLU 51	-1.07579	-1.07579	SLV 9	-0.57771	-0.57771
2848	SLU 50	-0.80818	-0.80818	SLV 5	-0.43185	-0.43185
2849	SLU 52	-0.81508	-0.81508	SLV 5	-0.43448	-0.43448
2850	SLU 50	-0.65555	-0.65555	SLV 1	-0.32148	-0.32148
2851	SLU 50	-0.67979	-0.67979	SLV 1	-0.34292	-0.34292
2852	SLU 50	-0.66753	-0.66753	SLV 1	-0.33201	-0.33201
2853	SLU 52	-1.41184	-1.41184	SLV 9	-0.73509	-0.73509
2854	SLU 52	-1.39039	-1.39039	SLV 9	-0.75385	-0.75385
2855	SLU 52	-1.41983	-1.41983	SLV 9	-0.73627	-0.73627
2856	SLU 52	-1.42916	-1.42916	SLV 9	-0.73876	-0.73876
2857	SLU 52	-1.39132	-1.39132	SLV 9	-0.74489	-0.74489
2858	SLU 50	-0.80193	-0.80193	SLV 5	-0.42712	-0.42712
2859	SLU 52	-1.44009	-1.44009	SLV 9	-0.74154	-0.74154
2860	SLU 50	-0.7829	-0.7829	SLV 5	-0.41636	-0.41636
2861	SLU 51	-1.08118	-1.08118	SLV 9	-0.57724	-0.57724
2862	SLU 52	-1.38572	-1.38572	SLV 9	-0.74658	-0.74658
2863	SLU 52	-1.38707	-1.38707	SLV 9	-0.74393	-0.74393
2864	SLU 52	-0.86827	-0.86827	SLV 5	-0.45376	-0.45376
2865	SLU 50	-0.79584	-0.79584	SLV 5	-0.42129	-0.42129
2866	SLU 50	-0.76904	-0.76904	SLV 5	-0.40524	-0.40524
2867	SLU 51	-1.06466	-1.06466	SLV 9	-0.56898	-0.56898
2868	SLU 52	-0.85999	-0.85999	SLV 5	-0.44639	-0.44639
2869	SLU 50	-0.79024	-0.79024	SLV 5	-0.41542	-0.41542
2870	SLU 52	-0.8442	-0.8442	SLV 5	-0.43687	-0.43687
2871	SLU 50	-0.80979	-0.80979	SLV 5	-0.425	-0.425
2872	SLU 51	-1.36436	-1.36436	SLV 5	-0.69727	-0.69727
2873	SLU 51	-1.35208	-1.35208	SLV 1	-0.69511	-0.69511
2874	SLU 52	-0.85112	-0.85112	SLV 5	-0.43982	-0.43982
2875	SLU 51	-1.37793	-1.37793	SLV 5	-0.69858	-0.69858
2876	SLU 52	-1.39637	-1.39637	SLV 9	-0.73819	-0.73819
2877	SLU 50	-0.75382	-0.75382	SLV 5	-0.39358	-0.39358
2878	SLU 52	-1.44474	-1.44474	SLV 9	-0.73121	-0.73121
2879	SLU 52	-1.45085	-1.45085	SLV 9	-0.73276	-0.73276
2880	SLU 51	-1.34172	-1.34172	SLV 1	-0.69371	-0.69371
2881	SLU 52	-0.83829	-0.83829	SLV 5	-0.43267	-0.43267
2882	SLU 52	-1.39821	-1.39821	SLV 9	-0.73627	-0.73627
2883	SLU 51	-1.06724	-1.06724	SLV 9	-0.56505	-0.56505
2884	SLU 50	-0.80501	-0.80501	SLV 5	-0.42067	-0.42067
2885	SLU 51	-1.39104	-1.39104	SLV 5	-0.69873	-0.69873
2886	SLU 52	-1.39808	-1.39808	SLV 9	-0.73229	-0.73229
2887	SLU 52	-1.39739	-1.39739	SLV 9	-0.72823	-0.72823
2888	SLU 51	-1.33342	-1.33342	SLV 1	-0.69397	-0.69397
2889	SLU 52	-1.3978	-1.3978	SLV 9	-0.72434	-0.72434
2890	SLU 52	-0.83226	-0.83226	SLV 5	-0.42851	-0.42851
2891	SLU 52	-1.08301	-1.08301	SLV 9	-0.56685	-0.56685
2892	SLU 50	-0.73714	-0.73714	SLV 5	-0.3815	-0.3815
2893	SLU 52	-1.39993	-1.39993	SLV 9	-0.72073	-0.72073
2894	SLU 52	-1.08715	-1.08715	SLV 9	-0.56759	-0.56759
2895	SLU 52	-1.46917	-1.46917	SLV 9	-0.73204	-0.73204

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
2896	SLU 51	-1.32708	-1.32708	SLV 1	-0.69641	-0.69641
2897	SLU 52	-1.45922	-1.45922	SLV 9	-0.72873	-0.72873
2898	SLU 52	-1.00454	-1.00454	SLV 1	-0.48693	-0.48693
2899	SLU 52	-1.01873	-1.01873	SLV 1	-0.49075	-0.49075
2900	SLU 52	-1.47677	-1.47677	SLV 9	-0.73209	-0.73209
2901	SLU 51	-1.45521	-1.45521	SLV 5	-0.71437	-0.71437
2902	SLU 52	-1.092	-1.092	SLV 9	-0.56714	-0.56714
2903	SLU 52	-1.09315	-1.09315	SLV 5	-0.55371	-0.55371
2904	SLU 52	-1.40402	-1.40402	SLV 9	-0.71766	-0.71766
2905	SLU 51	-1.42791	-1.42791	SLV 5	-0.7037	-0.7037
2906	SLU 52	-0.99181	-0.99181	SLV 1	-0.48461	-0.48461
2907	SLU 52	-0.82545	-0.82545	SLV 5	-0.42478	-0.42478
2908	SLU 51	-1.41612	-1.41612	SLV 5	-0.70024	-0.70024
2909	SLU 51	-1.32268	-1.32268	SLV 1	-0.70086	-0.70086
2910	SLU 51	-1.44705	-1.44705	SLV 5	-0.70994	-0.70994
2911	SLU 51	-1.43817	-1.43817	SLV 5	-0.70658	-0.70658
2912	SLU 52	-1.03335	-1.03335	SLV 1	-0.49572	-0.49572
2913	SLU 50	-0.79901	-0.79901	SLV 5	-0.41416	-0.41416
2914	SLU 52	-1.08609	-1.08609	SLV 1	-0.54207	-0.54207
2915	SLU 52	-0.98091	-0.98091	SLV 1	-0.48416	-0.48416
2916	SLU 51	-1.18304	-1.18304	SLU 2	-0.66005	-0.66005
2917	SLU 52	-1.42765	-1.42765	SLV 9	-0.71859	-0.71859
2918	SLU 51	-1.13881	-1.13881	SLU 2	-0.6373	-0.6373
2919	SLU 51	-1.16204	-1.16204	SLU 2	-0.64921	-0.64921
2920	SLU 50	-0.81682	-0.81682	SLV 5	-0.42177	-0.42177
2921	SLU 52	-1.07807	-1.07807	SLV 1	-0.53108	-0.53108
2922	SLU 52	-1.43662	-1.43662	SLV 9	-0.72029	-0.72029
2923	SLU 51	-1.11709	-1.11709	SLU 2	-0.62621	-0.62621
2924	SLU 51	-1.0988	-1.0988	SLU 2	-0.61693	-0.61693
2925	SLU 51	-1.08486	-1.08486	SLU 2	-0.60996	-0.60996
2926	SLU 51	-1.18939	-1.18939	SLU 2	-0.66344	-0.66344
2927	SLU 52	-1.41034	-1.41034	SLV 9	-0.71596	-0.71596
2928	SLU 52	-1.41847	-1.41847	SLV 9	-0.71667	-0.71667
2929	SLU 51	-1.07576	-1.07576	SLU 2	-0.60557	-0.60557
2930	SLU 50	-0.71987	-0.71987	SLV 5	-0.36963	-0.36963
2931	SLU 52	-0.87717	-0.87717	SLV 5	-0.4499	-0.4499
2932	SLU 51	-1.19262	-1.19262	SLU 2	-0.66525	-0.66525
2933	SLU 52	-1.06888	-1.06888	SLV 1	-0.52064	-0.52064
2934	SLU 52	-0.97214	-0.97214	SLV 1	-0.48534	-0.48534
2935	SLU 51	-1.07135	-1.07135	SLV 9	-0.56118	-0.56118
2936	SLU 51	-1.07137	-1.07137	SLU 2	-0.60372	-0.60372
2937	SLU 51	-1.22565	-1.22565	SLU 2	-0.68305	-0.68305
2938	SLU 51	-1.2123	-1.2123	SLU 2	-0.67595	-0.67595
2939	SLU 51	-1.24245	-1.24245	SLU 2	-0.69196	-0.69196
2940	SLU 51	-1.20266	-1.20266	SLU 2	-0.67078	-0.67078
2941	SLU 51	-1.19642	-1.19642	SLU 2	-0.66738	-0.66738
2942	SLU 52	-0.96506	-0.96506	SLV 1	-0.48754	-0.48754
2943	SLU 51	-1.26181	-1.26181	SLV 1	-0.70148	-0.70148
2944	SLU 52	-0.89636	-0.89636	SLV 5	-0.46186	-0.46186
2945	SLU 52	-1.05835	-1.05835	SLV 1	-0.51051	-0.51051
2946	SLU 51	-1.07085	-1.07085	SLV 9	-0.60208	-0.60208
2947	SLU 51	-1.05924	-1.05924	SLV 9	-0.56664	-0.56664
2948	SLU 51	-1.06221	-1.06221	SLV 9	-0.57395	-0.57395
2949	SLU 52	-0.91549	-0.91549	SLV 5	-0.47342	-0.47342
2950	SLU 51	-1.28191	-1.28191	SLV 1	-0.70528	-0.70528
2951	SLU 51	-1.05999	-1.05999	SLV 9	-0.56117	-0.56117
2952	SLU 52	-1.44259	-1.44259	SLV 9	-0.71939	-0.71939
2953	SLU 51	-1.31897	-1.31897	SLV 1	-0.7058	-0.7058
2958	SLU 51	-1.40004	-1.40004	SLV 5	-0.69284	-0.69284
2959	SLU 52	-1.04517	-1.04517	SLV 1	-0.49959	-0.49959
2960	SLU 52	-1.07624	-1.07624	SLV 9	-0.56029	-0.56029
2961	SLU 50	-0.70304	-0.70304	SLV 1	-0.35647	-0.35647
2962	SLU 50	-0.79187	-0.79187	SLV 5	-0.40782	-0.40782
2963	SLU 52	-0.95863	-0.95863	SLV 1	-0.48831	-0.48831
2964	SLU 51	-1.0676	-1.0676	SLV 9	-0.58214	-0.58214
2965	SLU 51	-1.07236	-1.07236	SLV 9	-0.59604	-0.59604
2966	SLU 51	-1.2998	-1.2998	SLV 1	-0.7079	-0.7079
2967	SLU 52	-0.93446	-0.93446	SLV 1	-0.48163	-0.48163
2968	SLU 50	-0.78319	-0.78319	SLV 5	-0.40242	-0.40242
2969	SLU 52	-1.44791	-1.44791	SLV 9	-0.71765	-0.71765
2970	SLU 52	-1.42246	-1.42246	SLV 9	-0.76574	-0.76574
2971	SLU 52	-1.45478	-1.45478	SLV 9	-0.78625	-0.78625
2972	SLU 52	-1.39923	-1.39923	SLV 9	-0.74961	-0.74961
2973	SLU 50	-0.80868	-0.80868	SLV 5	-0.41508	-0.41508
2974	SLU 52	-1.49432	-1.49432	SLV 9	-0.81012	-0.81012
2975	SLU 50	-0.68658	-0.68658	SLV 1	-0.3427	-0.3427
2976	SLU 52	-1.5379	-1.5379	SLV 9	-0.83576	-0.83576
2977	SLU 52	-1.57991	-1.57991	SLV 9	-0.86018	-0.86018
2978	SLU 52	-1.62233	-1.62233	SLV 9	-0.88454	-0.88454
2980	SLU 52	-0.84547	-0.84547	SLV 5	-0.4262	-0.4262
2981	SLU 52	-1.45293	-1.45293	SLV 9	-0.71594	-0.71594
2982	SLU 52	-1.39272	-1.39272	SLV 9	-0.72854	-0.72854
2983	SLU 52	-1.3859	-1.3859	SLV 9	-0.73725	-0.73725
2984	SLU 50	-0.67065	-0.67065	SLV 1	-0.32911	-0.32911
2985	SLU 50	-0.65692	-0.65692	SLV 1	-0.31749	-0.31749
2986	SLU 52	-1.38161	-1.38161	SLV 9	-0.73004	-0.73004
2987	SLU 52	-1.38452	-1.38452	SLV 9	-0.72735	-0.72735
2988	SLU 52	-1.08043	-1.08043	SLV 9	-0.55523	-0.55523
2989	SLU 50	-0.64342	-0.64342	SLV 1	-0.30616	-0.30616
2990	SLU 52	-0.86311	-0.86311	SLV 5	-0.43366	-0.43366
2991	SLU 52	-1.44066	-1.44066	SLV 9	-0.70824	-0.70824
2992	SLU 50	-0.77138	-0.77138	SLV 5	-0.39074	-0.39074
2993	SLU 52	-0.84085	-0.84085	SLV 5	-0.42005	-0.42005
2994	SLU 52	-1.39748	-1.39748	SLV 9	-0.72456	-0.72456
2995	SLU 51	-1.30999	-1.30999	SLV 1	-0.7061	-0.7061
2996	SLU 51	-1.07221	-1.07221	SLV 9	-0.58799	-0.58799
2997	SLU 52	-0.95059	-0.95059	SLV 1	-0.48377	-0.48377
2998	SLU 51	-1.37363	-1.37363	SLV 5	-0.67941	-0.67941
2999	SLU 51	-1.34819	-1.34819	SLV 5	-0.67914	-0.67914

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
3000	SLU 51	-1.36019	-1.36019	SLV 5	-0.67853	-0.67853
3001	SLU 51	-1.38648	-1.38648	SLV 5	-0.67926	-0.67926
3002	SLU 51	-1.33833	-1.33833	SLV 5	-0.67959	-0.67959
3003	SLU 50	-0.80237	-0.80237	SLV 5	-0.40479	-0.40479
3004	SLU 52	-1.08499	-1.08499	SLV 9	-0.55125	-0.55125
3005	SLU 52	-1.39621	-1.39621	SLV 9	-0.71757	-0.71757
3006	SLU 52	-1.39511	-1.39511	SLV 9	-0.71239	-0.71239
3007	SLU 52	-1.43492	-1.43492	SLV 9	-0.70264	-0.70264
3008	SLU 51	-1.0612	-1.0612	SLV 9	-0.54997	-0.54997
3009	SLU 52	-1.39531	-1.39531	SLV 9	-0.70771	-0.70771
3010	SLU 52	-1.45845	-1.45845	SLV 9	-0.70513	-0.70513
3011	SLU 52	-1.44412	-1.44412	SLV 9	-0.70299	-0.70299
3012	SLU 52	-1.46654	-1.46654	SLV 9	-0.70567	-0.70567
3013	SLU 52	-0.85166	-0.85166	SLV 5	-0.4223	-0.4223
3014	SLU 52	-1.39706	-1.39706	SLV 9	-0.70319	-0.70319
3015	SLU 52	-0.83532	-0.83532	SLV 5	-0.41387	-0.41387
3016	SLU 52	-1.07285	-1.07285	SLV 9	-0.54791	-0.54791
3017	SLU 52	-1.42563	-1.42563	SLV 9	-0.69861	-0.69861
3018	SLU 52	-1.45073	-1.45073	SLV 9	-0.70181	-0.70181
3019	SLU 50	-0.75436	-0.75436	SLV 5	-0.37691	-0.37691
3020	SLU 50	-0.79374	-0.79374	SLV 5	-0.39703	-0.39703
3021	SLU 51	-1.32969	-1.32969	SLV 5	-0.67888	-0.67888
3022	SLU 52	-1.40064	-1.40064	SLV 9	-0.69843	-0.69843
3023	SLU 50	-0.78529	-0.78529	SLV 5	-0.39196	-0.39196
3024	SLU 52	-1.41588	-1.41588	SLV 9	-0.69561	-0.69561
3025	SLU 51	-1.3954	-1.3954	SLV 5	-0.67362	-0.67362
3026	SLU 52	-1.40701	-1.40701	SLV 9	-0.69505	-0.69505
3027	SLU 52	-1.47055	-1.47055	SLV 9	-0.69903	-0.69903
3028	SLU 52	-1.4723	-1.4723	SLV 9	-0.69502	-0.69502
3029	SLU 52	-1.46484	-1.46484	SLV 9	-0.68895	-0.68895
3030	SLU 52	-1.45181	-1.45181	SLV 5	-0.68348	-0.68348
3031	SLU 52	-1.0884	-1.0884	SLV 9	-0.54501	-0.54501
3032	SLU 52	-1.09382	-1.09382	SLV 5	-0.5419	-0.5419
3033	SLU 52	-1.09455	-1.09455	SLV 5	-0.53648	-0.53648
3034	SLU 52	-1.09011	-1.09011	SLV 5	-0.5306	-0.5306
3035	SLU 52	-0.82939	-0.82939	SLV 5	-0.40847	-0.40847
3036	SLU 51	-1.40881	-1.40881	SLV 5	-0.67357	-0.67357
3037	SLU 51	-1.32238	-1.32238	SLV 1	-0.68134	-0.68134
3038	SLU 51	-1.42049	-1.42049	SLV 5	-0.67427	-0.67427
3039	SLU 51	-1.44091	-1.44091	SLV 5	-0.67812	-0.67812
3040	SLU 51	-1.43115	-1.43115	SLV 5	-0.67552	-0.67552
3041	SLU 52	-1.08345	-1.08345	SLV 1	-0.52346	-0.52346
3042	SLU 50	-0.73542	-0.73542	SLV 5	-0.36329	-0.36329
3043	SLU 51	-1.31792	-1.31792	SLV 1	-0.68668	-0.68668
3044	SLU 52	-1.01569	-1.01569	SLV 1	-0.47385	-0.47385
3045	SLU 52	-1.07542	-1.07542	SLV 1	-0.51242	-0.51242
3046	SLU 52	-1.02981	-1.02981	SLV 1	-0.47831	-0.47831
3047	SLU 52	-1.06582	-1.06582	SLV 1	-0.5019	-0.5019
3048	SLU 52	-1.07636	-1.07636	SLV 9	-0.54199	-0.54199
3049	SLU 52	-1.00207	-1.00207	SLV 1	-0.47052	-0.47052
3050	SLU 52	-1.05557	-1.05557	SLV 1	-0.49271	-0.49271
3051	SLU 51	-1.3146	-1.3146	SLV 1	-0.69239	-0.69239
3052	SLU 50	-0.82282	-0.82282	SLV 5	-0.40374	-0.40374
3053	SLU 52	-1.06567	-1.06567	SLV 9	-0.54167	-0.54167
3054	SLU 52	-1.04296	-1.04296	SLV 1	-0.48393	-0.48393
3055	SLU 52	-0.98977	-0.98977	SLV 1	-0.46829	-0.46829
3064	SLU 50	-0.71619	-0.71619	SLV 5	-0.35072	-0.35072
3065	SLU 52	-0.97884	-0.97884	SLV 1	-0.46798	-0.46798
3066	SLU 52	-0.8449	-0.8449	SLV 5	-0.40886	-0.40886
3067	SLU 51	-1.15165	-1.15165	SLU 2	-0.64441	-0.64441
3068	SLU 51	-1.13002	-1.13002	SLU 2	-0.63334	-0.63334
3069	SLU 51	-1.25637	-1.25637	SLV 1	-0.68894	-0.68894
3070	SLU 51	-1.10919	-1.10919	SLU 2	-0.62276	-0.62276
3071	SLU 51	-1.27722	-1.27722	SLV 1	-0.69268	-0.69268
3072	SLU 51	-1.23639	-1.23639	SLV 1	-0.68568	-0.68568
3073	SLU 51	-1.16931	-1.16931	SLU 2	-0.65352	-0.65352
3074	SLU 51	-1.17874	-1.17874	SLU 2	-0.65844	-0.65844
3075	SLU 51	-1.21899	-1.21899	SLU 2	-0.68021	-0.68021
3076	SLU 52	-0.9702	-0.9702	SLV 1	-0.46977	-0.46977
3077	SLU 51	-1.20507	-1.20507	SLU 2	-0.67275	-0.67275
3078	SLU 51	-1.18341	-1.18341	SLU 2	-0.66097	-0.66097
3079	SLU 51	-1.37924	-1.37924	SLV 5	-0.66267	-0.66267
3080	SLU 51	-1.2958	-1.2958	SLV 1	-0.69546	-0.69546
3081	SLU 51	-1.09124	-1.09124	SLU 2	-0.61376	-0.61376
3082	SLU 51	-1.07768	-1.07768	SLU 2	-0.6071	-0.6071
3083	SLU 51	-1.0689	-1.0689	SLU 2	-0.60302	-0.60302
3084	SLU 51	-1.06477	-1.06477	SLV 9	-0.59595	-0.59595
3085	SLU 51	-1.19487	-1.19487	SLU 2	-0.66725	-0.66725
3086	SLU 51	-1.06162	-1.06162	SLV 9	-0.56788	-0.56788
3087	SLU 51	-1.18801	-1.18801	SLU 2	-0.66351	-0.66351
3088	SLU 51	-1.06452	-1.06452	SLV 9	-0.58901	-0.58901
3089	SLU 52	-0.96329	-0.96329	SLV 1	-0.47245	-0.47245
3090	SLU 52	-1.43573	-1.43573	SLV 9	-0.68544	-0.68544
3091	SLU 50	-0.81485	-0.81485	SLV 5	-0.39731	-0.39731
3092	SLU 52	-0.91479	-0.91479	SLV 5	-0.45575	-0.45575
3093	SLU 51	-1.05627	-1.05627	SLV 9	-0.55805	-0.55805
3094	SLU 51	-1.33514	-1.33514	SLV 5	-0.66577	-0.66577
3095	SLU 51	-1.30731	-1.30731	SLV 1	-0.69482	-0.69482
3096	SLU 52	-0.8964	-0.8964	SLV 5	-0.44344	-0.44344
3097	SLU 51	-1.06595	-1.06595	SLV 9	-0.58285	-0.58285
3098	SLU 50	-0.69734	-0.69734	SLV 5	-0.33863	-0.33863
3099	SLU 52	-0.95676	-0.95676	SLV 1	-0.47408	-0.47408
3100	SLU 52	-0.93304	-0.93304	SLV 5	-0.46667	-0.46667
3101	SLU 51	-1.053	-1.053	SLV 9	-0.54921	-0.54921
3102	SLU 52	-1.08085	-1.08085	SLV 9	-0.53618	-0.53618
3103	SLU 51	-1.36777	-1.36777	SLV 5	-0.66063	-0.66063
3104	SLU 51	-1.3426	-1.3426	SLV 5	-0.66219	-0.66219
3105	SLU 51	-1.35423	-1.35423	SLV 5	-0.66025	-0.66025
3106	SLU 52	-0.87941	-0.87941	SLV 5	-0.43039	-0.43039

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
3107	SLU 52	-1.4456	-1.4456	SLV 9	-0.68316	-0.68316
3108	SLU 52	-1.45396	-1.45396	SLV 9	-0.68357	-0.68357
3109	SLU 52	-0.94769	-0.94769	SLV 1	-0.47256	-0.47256
3110	SLU 51	-1.06538	-1.06538	SLV 9	-0.57561	-0.57561
3111	SLU 51	-1.05244	-1.05244	SLV 9	-0.54141	-0.54141
3112	SLU 52	-1.46098	-1.46098	SLV 9	-0.68221	-0.68221
3113	SLU 52	-1.39094	-1.39094	SLV 9	-0.69114	-0.69114
3114	SLU 52	-1.39028	-1.39028	SLV 9	-0.69533	-0.69533
3115	SLU 52	-1.44536	-1.44536	SLV 9	-0.76663	-0.76663
3116	SLU 50	-0.67916	-0.67916	SLV 5	-0.32686	-0.32686
3117	SLU 52	-1.48372	-1.48372	SLV 9	-0.79003	-0.79003
3118	SLU 52	-1.42339	-1.42339	SLV 9	-0.67966	-0.67966
3119	SLU 52	-1.41372	-1.41372	SLV 9	-0.74598	-0.74598
3120	SLU 52	-1.39122	-1.39122	SLV 9	-0.72988	-0.72988
3121	SLU 52	-1.52498	-1.52498	SLV 9	-0.81412	-0.81412
3122	SLU 50	-0.806	-0.806	SLV 5	-0.38899	-0.38899
3123	SLU 52	-1.39245	-1.39245	SLV 9	-0.68587	-0.68587
3124	SLU 52	-1.37811	-1.37811	SLV 9	-0.71787	-0.71787
3125	SLU 52	-1.56409	-1.56409	SLV 9	-0.8362	-0.8362
3126	SLU 52	-0.83937	-0.83937	SLV 5	-0.39916	-0.39916
3127	SLU 50	-0.6623	-0.6623	SLV 1	-0.31499	-0.31499
3128	SLU 52	-1.38343	-1.38343	SLV 9	-0.70487	-0.70487
3129	SLU 50	-0.77814	-0.77814	SLV 5	-0.37503	-0.37503
3130	SLU 52	-1.37377	-1.37377	SLV 9	-0.71021	-0.71021
3131	SLU 52	-1.08448	-1.08448	SLV 9	-0.52983	-0.52983
3132	SLU 52	-0.86565	-0.86565	SLV 5	-0.41694	-0.41694
3133	SLU 52	-1.38915	-1.38915	SLV 9	-0.69671	-0.69671
3134	SLU 52	-1.60544	-1.60544	SLV 9	-0.85917	-0.85917
3135	SLU 52	-1.37641	-1.37641	SLV 9	-0.70604	-0.70604
3136	SLU 50	-0.79423	-0.79423	SLV 5	-0.38124	-0.38124
3137	SLU 52	-1.38776	-1.38776	SLV 9	-0.7009	-0.7009
3138	SLU 50	-0.64719	-0.64719	SLV 1	-0.30282	-0.30282
3139	SLU 52	-1.39482	-1.39482	SLV 9	-0.6782	-0.6782
3140	SLU 52	-1.41213	-1.41213	SLV 9	-0.67334	-0.67334
3141	SLU 52	-1.06949	-1.06949	SLV 9	-0.52852	-0.52852
3142	SLU 51	-1.05313	-1.05313	SLV 9	-0.53263	-0.53263
3143	SLU 50	-0.63151	-0.63151	SLV 1	-0.29027	-0.29027
3144	SLU 52	-1.08657	-1.08657	SLV 5	-0.5226	-0.5226
3145	SLU 52	-0.85526	-0.85526	SLV 5	-0.40546	-0.40546
3146	SLU 52	-1.40145	-1.40145	SLV 9	-0.67239	-0.67239
3147	SLU 51	-1.3814	-1.3814	SLV 5	-0.64818	-0.64818
3148	SLU 52	-0.83363	-0.83363	SLV 5	-0.39057	-0.39057
3149	SLU 52	-1.45988	-1.45988	SLV 9	-0.66748	-0.66748
3150	SLU 51	-1.32491	-1.32491	SLV 5	-0.656	-0.656
3151	SLU 50	-0.75643	-0.75643	SLV 5	-0.35803	-0.35803
3152	SLU 51	-1.39715	-1.39715	SLV 5	-0.64572	-0.64572
3153	SLU 52	-1.45879	-1.45879	SLV 9	-0.66152	-0.66152
3154	SLU 51	-1.40981	-1.40981	SLV 5	-0.64483	-0.64483
3155	SLU 51	-1.3155	-1.3155	SLV 5	-0.66185	-0.66185
3156	SLU 52	-1.45321	-1.45321	SLV 9	-0.66367	-0.66367
3157	SLU 51	-1.31027	-1.31027	SLV 5	-0.66921	-0.66921
3158	SLU 52	-1.45211	-1.45211	SLV 9	-0.65403	-0.65403
3159	SLU 52	-1.4469	-1.4469	SLV 9	-0.66318	-0.66318
3160	SLU 52	-1.01077	-1.01077	SLV 1	-0.45743	-0.45743
3161	SLU 52	-1.074	-1.074	SLV 9	-0.5204	-0.5204
3162	SLU 52	-1.41994	-1.41994	SLV 9	-0.66265	-0.66265
3163	SLU 52	-1.38489	-1.38489	SLV 9	-0.68031	-0.68031
3164	SLU 52	-1.06031	-1.06031	SLV 1	-0.48351	-0.48351
3165	SLU 51	-1.42037	-1.42037	SLV 5	-0.64369	-0.64369
3166	SLU 52	-0.84811	-0.84811	SLV 5	-0.39432	-0.39432
3167	SLU 52	-1.42861	-1.42861	SLV 9	-0.66205	-0.66205
3168	SLU 52	-1.43842	-1.43842	SLV 9	-0.66187	-0.66187
3169	SLU 52	-1.02401	-1.02401	SLV 1	-0.4609	-0.4609
3170	SLU 52	-1.06946	-1.06946	SLV 1	-0.49365	-0.49365
3171	SLU 52	-1.38758	-1.38758	SLV 9	-0.67248	-0.67248
3172	SLU 50	-0.82751	-0.82751	SLV 5	-0.38266	-0.38266
3173	SLU 52	-1.43149	-1.43149	SLV 5	-0.64474	-0.64474
3174	SLU 52	-1.04976	-1.04976	SLV 1	-0.47417	-0.47417
3175	SLU 52	-1.44187	-1.44187	SLV 9	-0.64738	-0.64738
3176	SLU 52	-1.03741	-1.03741	SLV 1	-0.46635	-0.46635
3177	SLU 52	-1.07657	-1.07657	SLV 5	-0.50015	-0.50015
3178	SLU 51	-1.30551	-1.30551	SLV 5	-0.67468	-0.67468
3179	SLU 51	-1.36215	-1.36215	SLV 5	-0.64138	-0.64138
3180	SLU 52	-1.45458	-1.45458	SLV 9	-0.65938	-0.65938
3181	SLU 52	-1.08187	-1.08187	SLV 5	-0.50394	-0.50394
3182	SLU 52	-0.99821	-0.99821	SLV 1	-0.45437	-0.45437
3183	SLU 51	-1.33412	-1.33412	SLV 5	-0.64602	-0.64602
3184	SLU 52	-1.38537	-1.38537	SLV 9	-0.67505	-0.67505
3185	SLU 52	-1.08439	-1.08439	SLV 5	-0.50953	-0.50953
3186	SLU 50	-0.73448	-0.73448	SLV 5	-0.34332	-0.34332
3187	SLU 51	-1.34655	-1.34655	SLV 5	-0.64131	-0.64131
3188	SLU 52	-1.05561	-1.05561	SLV 9	-0.5215	-0.5215
3189	SLU 52	-1.07771	-1.07771	SLV 9	-0.51386	-0.51386
3190	SLU 52	-0.98687	-0.98687	SLV 1	-0.45139	-0.45139
3191	SLU 51	-1.29766	-1.29766	SLV 5	-0.67634	-0.67634
3192	SLU 50	-0.81945	-0.81945	SLV 5	-0.37463	-0.37463
3193	SLU 50	-0.7127	-0.7127	SLV 5	-0.3299	-0.3299
3194	SLU 51	-1.28527	-1.28527	SLV 5	-0.67783	-0.67783
3195	SLU 51	-1.26786	-1.26786	SLV 5	-0.67676	-0.67676
3196	SLU 51	-1.24775	-1.24775	SLV 5	-0.67373	-0.67373
3197	SLU 52	-0.84297	-0.84297	SLV 5	-0.3831	-0.3831
3198	SLU 52	-0.97525	-0.97525	SLV 1	-0.45069	-0.45069
3199	SLU 52	-1.07993	-1.07993	SLV 5	-0.50763	-0.50763
3200	SLU 51	-1.22777	-1.22777	SLV 5	-0.67007	-0.67007
3201	SLU 51	-1.0514	-1.0514	SLV 9	-0.5504	-0.5504
3202	SLU 52	-0.91203	-0.91203	SLV 5	-0.43681	-0.43681
3203	SLU 51	-1.13665	-1.13665	SLU 2	-0.63729	-0.63729
3204	SLU 51	-1.1176	-1.1176	SLU 2	-0.62759	-0.62759
3205	SLU 51	-1.09844	-1.09844	SLU 2	-0.61793	-0.61793

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
3206	SLU 51	-1.08163	-1.08163	SLU 2	-0.6096	-0.6096
3207	SLU 51	-1.05481	-1.05481	SLV 9	-0.57408	-0.57408
3208	SLU 52	-0.9284	-0.9284	SLV 5	-0.44767	-0.44767
3209	SLU 51	-1.15238	-1.15238	SLU 2	-0.64536	-0.64536
3210	SLU 51	-1.05521	-1.05521	SLV 9	-0.56698	-0.56698
3211	SLU 52	-0.96633	-0.96633	SLV 1	-0.45288	-0.45288
3212	SLU 52	-0.95154	-0.95154	SLV 1	-0.45774	-0.45774
3213	SLU 50	-0.80911	-0.80911	SLV 5	-0.36804	-0.36804
3214	SLU 50	-0.69208	-0.69208	SLV 5	-0.31819	-0.31819
3215	SLU 51	-1.20998	-1.20998	SLV 5	-0.66695	-0.66695
3216	SLU 51	-1.16321	-1.16321	SLU 2	-0.65099	-0.65099
3217	SLU 51	-1.05433	-1.05433	SLV 9	-0.55923	-0.55923
3218	SLU 52	-0.94182	-0.94182	SLV 5	-0.45579	-0.45579
3219	SLU 52	-0.95888	-0.95888	SLV 1	-0.45562	-0.45562
3220	SLU 51	-1.06846	-1.06846	SLV 9	-0.60151	-0.60151
3221	SLU 51	-1.05987	-1.05987	SLV 9	-0.59066	-0.59066
3222	SLU 51	-1.19555	-1.19555	SLV 5	-0.66509	-0.66509
3223	SLU 51	-1.05556	-1.05556	SLV 9	-0.58148	-0.58148
3224	SLU 51	-1.17027	-1.17027	SLU 2	-0.65474	-0.65474
3225	SLU 51	-1.04719	-1.04719	SLV 9	-0.54019	-0.54019
3226	SLU 51	-1.18455	-1.18455	SLU 2	-0.6625	-0.6625
3227	SLU 52	-0.89513	-0.89513	SLV 5	-0.42421	-0.42421
3228	SLU 51	-1.17654	-1.17654	SLU 2	-0.65814	-0.65814
3229	SLU 51	-1.04463	-1.04463	SLV 9	-0.53117	-0.53117
3230	SLU 52	-1.04686	-1.04686	SLV 9	-0.51965	-0.51965
3231	SLU 51	-1.04442	-1.04442	SLV 9	-0.52384	-0.52384
3232	SLU 52	-1.44887	-1.44887	SLV 9	-0.6462	-0.6462
3233	SLU 50	-0.67336	-0.67336	SLV 5	-0.3078	-0.3078
3234	SLU 52	-1.47046	-1.47046	SLV 9	-0.76928	-0.76928
3235	SLU 52	-0.87955	-0.87955	SLV 5	-0.41101	-0.41101
3236	SLU 52	-1.44539	-1.44539	SLV 9	-0.64467	-0.64467
3237	SLU 50	-0.7964	-0.7964	SLV 5	-0.36074	-0.36074
3238	SLU 52	-1.07976	-1.07976	SLV 5	-0.50142	-0.50142
3239	SLU 52	-1.43455	-1.43455	SLV 9	-0.74655	-0.74655
3240	SLU 52	-1.5072	-1.5072	SLV 9	-0.79076	-0.79076
3241	SLU 52	-1.3783	-1.3783	SLV 9	-0.67048	-0.67048
3242	SLU 52	-1.06022	-1.06022	SLV 9	-0.51085	-0.51085
3243	SLU 52	-1.40337	-1.40337	SLV 9	-0.72589	-0.72589
3244	SLU 52	-1.38511	-1.38511	SLV 9	-0.65623	-0.65623
3245	SLU 52	-1.37504	-1.37504	SLV 9	-0.6765	-0.6765
3246	SLU 52	-1.38079	-1.38079	SLV 9	-0.70908	-0.70908
3247	SLU 52	-1.40762	-1.40762	SLV 9	-0.6467	-0.6467
3248	SLU 52	-1.43952	-1.43952	SLV 9	-0.64342	-0.64342
3249	SLU 50	-0.65604	-0.65604	SLV 5	-0.29712	-0.29712
3250	SLU 52	-1.37013	-1.37013	SLV 9	-0.68061	-0.68061
3251	SLU 52	-0.8664	-0.8664	SLV 5	-0.3984	-0.3984
3252	SLU 52	-1.36747	-1.36747	SLV 9	-0.69666	-0.69666
3253	SLU 52	-1.36464	-1.36464	SLV 9	-0.68362	-0.68362
3254	SLU 52	-1.3628	-1.3628	SLV 9	-0.68859	-0.68859
3255	SLU 52	-1.39378	-1.39378	SLV 9	-0.64901	-0.64901
3256	SLU 52	-0.83717	-0.83717	SLV 5	-0.37251	-0.37251
3257	SLU 52	-0.85028	-0.85028	SLV 5	-0.3828	-0.3828
3258	SLU 52	-0.85643	-0.85643	SLV 5	-0.38812	-0.38812
3259	SLU 52	-1.37885	-1.37885	SLV 9	-0.65907	-0.65907
3260	SLU 52	-1.53965	-1.53965	SLV 9	-0.80757	-0.80757
3261	SLU 52	-1.43033	-1.43033	SLV 9	-0.63895	-0.63895
3262	SLU 52	-1.41894	-1.41894	SLV 9	-0.63985	-0.63985
3263	SLU 51	-1.29795	-1.29795	SLV 5	-0.65931	-0.65931
3264	SLU 52	-0.99584	-0.99584	SLV 1	-0.44311	-0.44311
3265	SLU 52	-1.44545	-1.44545	SLV 9	-0.63435	-0.63435
3266	SLU 50	-0.78062	-0.78062	SLV 5	-0.34905	-0.34905
3267	SLU 50	-0.6397	-0.6397	SLV 5	-0.28551	-0.28551
3268	SLU 52	-1.06536	-1.06536	SLV 9	-0.5026	-0.5026
3269	SLU 52	-1.58108	-1.58108	SLV 9	-0.83041	-0.83041
3270	SLU 51	-1.3847	-1.3847	SLV 5	-0.61715	-0.61715
3271	SLU 52	-1.44419	-1.44419	SLV 9	-0.62848	-0.62848
3272	SLU 51	-1.36936	-1.36936	SLV 5	-0.61805	-0.61805
3273	SLU 52	-1.00478	-1.00478	SLV 1	-0.44251	-0.44251
3274	SLU 51	-1.39756	-1.39756	SLV 5	-0.61642	-0.61642
3275	SLU 51	-1.30059	-1.30059	SLV 5	-0.65074	-0.65074
3276	SLU 51	-1.31392	-1.31392	SLV 5	-0.6336	-0.6336
3277	SLU 52	-1.05314	-1.05314	SLV 1	-0.4662	-0.4662
3278	SLU 50	-0.62041	-0.62041	SLV 5	-0.27362	-0.27362
3279	SLU 52	-1.4087	-1.4087	SLV 5	-0.61487	-0.61487
3280	SLU 51	-1.30547	-1.30547	SLV 5	-0.64105	-0.64105
3281	SLU 52	-1.04255	-1.04255	SLV 1	-0.45676	-0.45676
3282	SLU 52	-1.06129	-1.06129	SLV 5	-0.47546	-0.47546
3283	SLU 52	-1.03018	-1.03018	SLV 1	-0.44932	-0.44932
3284	SLU 52	-1.01684	-1.01684	SLV 1	-0.44401	-0.44401
3285	SLU 52	-1.06974	-1.06974	SLV 9	-0.49667	-0.49667
3286	SLU 51	-1.35233	-1.35233	SLV 5	-0.61721	-0.61721
3287	SLU 51	-1.32406	-1.32406	SLV 5	-0.62554	-0.62554
3288	SLU 50	-0.83144	-0.83144	SLV 5	-0.36013	-0.36013
3289	SLU 51	-1.33667	-1.33667	SLV 5	-0.61929	-0.61929
3290	SLU 52	-1.43745	-1.43745	SLV 9	-0.61872	-0.61872
3291	SLU 52	-1.07259	-1.07259	SLV 5	-0.49149	-0.49149
3292	SLU 50	-0.75786	-0.75786	SLV 5	-0.33422	-0.33422
3293	SLU 52	-1.43789	-1.43789	SLV 9	-0.62578	-0.62578
3294	SLU 52	-1.43344	-1.43344	SLV 9	-0.62671	-0.62671
3295	SLU 52	-1.41741	-1.41741	SLV 5	-0.61137	-0.61137
3296	SLU 52	-1.06633	-1.06633	SLV 5	-0.47517	-0.47517
3297	SLU 52	-1.07371	-1.07371	SLV 5	-0.48694	-0.48694
3298	SLU 52	-1.07355	-1.07355	SLV 5	-0.48302	-0.48302
3299	SLU 52	-1.42713	-1.42713	SLV 9	-0.61107	-0.61107
3300	SLU 52	-1.07078	-1.07078	SLV 5	-0.47733	-0.47733
3301	SLU 52	-1.04409	-1.04409	SLV 9	-0.50259	-0.50259
3302	SLU 52	-0.84664	-0.84664	SLV 5	-0.36654	-0.36654
3303	SLU 50	-0.73351	-0.73351	SLV 5	-0.32096	-0.32096
3304	SLU 50	-0.82285	-0.82285	SLV 5	-0.34993	-0.34993

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
3305	SLU 50	-0.79913	-0.79913	SLV 5	-0.34291	-0.34291
3306	SLU 50	-0.81112	-0.81112	SLV 5	-0.34551	-0.34551
3307	SLU 52	-1.48995	-1.48995	SLV 9	-0.77091	-0.77091
3308	SLU 51	-1.28629	-1.28629	SLV 5	-0.65143	-0.65143
3309	SLU 52	-0.84	-0.84	SLV 5	-0.35832	-0.35832
3310	SLU 52	-0.98487	-0.98487	SLV 1	-0.43329	-0.43329
3311	SLU 50	-0.653	-0.653	SLV 5	-0.28327	-0.28327
3312	SLU 50	-0.70952	-0.70952	SLV 5	-0.30882	-0.30882
3313	SLU 51	-1.27308	-1.27308	SLV 5	-0.65651	-0.65651
3314	SLU 52	-1.0376	-1.0376	SLV 9	-0.50625	-0.50625
3315	SLU 52	-0.97156	-0.97156	SLV 1	-0.43434	-0.43434
3316	SLU 51	-1.25636	-1.25636	SLV 5	-0.65751	-0.65751
3317	SLU 51	-1.23728	-1.23728	SLV 5	-0.65612	-0.65612
3318	SLU 52	-0.96175	-0.96175	SLV 1	-0.4368	-0.4368
3319	SLU 52	-1.03566	-1.03566	SLV 9	-0.51367	-0.51367
3320	SLU 51	-1.03722	-1.03722	SLV 9	-0.52291	-0.52291
3321	SLU 50	-0.6671	-0.6671	SLV 5	-0.28867	-0.28867
3322	SLU 51	-1.21782	-1.21782	SLV 5	-0.65352	-0.65352
3323	SLU 52	-0.95351	-0.95351	SLV 1	-0.43942	-0.43942
3324	SLU 52	-0.94529	-0.94529	SLV 1	-0.44124	-0.44124
3325	SLU 52	-0.90788	-0.90788	SLV 5	-0.41724	-0.41724
3326	SLU 51	-1.03971	-1.03971	SLV 9	-0.53238	-0.53238
3327	SLU 52	-0.92261	-0.92261	SLV 5	-0.42774	-0.42774
3328	SLU 50	-0.68663	-0.68663	SLV 5	-0.29713	-0.29713
3329	SLU 52	-0.9352	-0.9352	SLV 5	-0.43588	-0.43588
3330	SLU 52	-0.85542	-0.85542	SLV 5	-0.37087	-0.37087
3331	SLU 52	-1.45908	-1.45908	SLV 9	-0.75061	-0.75061
3332	SLU 51	-1.1478	-1.1478	SLU 2	-0.64359	-0.64359
3333	SLU 52	-0.89251	-0.89251	SLV 5	-0.405	-0.405
3334	SLU 51	-1.19998	-1.19998	SLV 5	-0.65098	-0.65098
3335	SLU 51	-1.13622	-1.13622	SLU 2	-0.63761	-0.63761
3336	SLU 51	-1.04178	-1.04178	SLV 9	-0.5415	-0.5415
3337	SLU 52	-1.04997	-1.04997	SLV 9	-0.49202	-0.49202
3338	SLU 51	-1.15644	-1.15644	SLU 2	-0.64815	-0.64815
3339	SLU 51	-1.18517	-1.18517	SLV 5	-0.6495	-0.6495
3340	SLU 51	-1.0434	-1.0434	SLV 9	-0.55822	-0.55822
3341	SLU 51	-1.04281	-1.04281	SLV 9	-0.55003	-0.55003
3342	SLU 51	-1.12118	-1.12118	SLU 2	-0.62993	-0.62993
3343	SLU 51	-1.17343	-1.17343	SLV 5	-0.64883	-0.64883
3344	SLU 51	-1.16428	-1.16428	SLV 5	-0.64868	-0.64868
3345	SLU 51	-1.10383	-1.10383	SLU 2	-0.62117	-0.62117
3346	SLU 51	-1.08626	-1.08626	SLV 9	-0.61162	-0.61162
3347	SLU 51	-1.07055	-1.07055	SLV 9	-0.59919	-0.59919
3348	SLU 52	-0.87809	-0.87809	SLV 5	-0.39228	-0.39228
3349	SLU 51	-1.04503	-1.04503	SLV 9	-0.56657	-0.56657
3350	SLU 52	-0.86567	-0.86567	SLV 5	-0.38058	-0.38058
3351	SLU 51	-1.05798	-1.05798	SLV 9	-0.58696	-0.58696
3352	SLU 51	-1.04954	-1.04954	SLV 9	-0.57602	-0.57602
3353	SLU 52	-1.42323	-1.42323	SLV 9	-0.72755	-0.72755
3354	SLU 52	-1.3606	-1.3606	SLV 9	-0.65108	-0.65108
3355	SLU 52	-1.39227	-1.39227	SLV 9	-0.70638	-0.70638
3356	SLU 52	-1.36453	-1.36453	SLV 9	-0.64394	-0.64394
3357	SLU 52	-1.43328	-1.43328	SLV 9	-0.60471	-0.60471
3358	SLU 52	-1.38358	-1.38358	SLV 9	-0.62242	-0.62242
3359	SLU 52	-1.39564	-1.39564	SLV 9	-0.61751	-0.61751
3360	SLU 52	-1.37444	-1.37444	SLV 9	-0.62876	-0.62876
3361	SLU 52	-1.35573	-1.35573	SLV 9	-0.65635	-0.65635
3362	SLU 52	-1.36967	-1.36967	SLV 9	-0.68929	-0.68929
3363	SLU 52	-1.35616	-1.35616	SLV 9	-0.67659	-0.67659
3364	SLU 52	-1.42171	-1.42171	SLV 9	-0.61107	-0.61107
3365	SLU 52	-1.35144	-1.35144	SLV 9	-0.66114	-0.66114
3366	SLU 52	-1.40852	-1.40852	SLV 9	-0.61325	-0.61325
3367	SLU 52	-1.35055	-1.35055	SLV 9	-0.66722	-0.66722
3368	SLU 52	-1.39861	-1.39861	SLV 5	-0.59365	-0.59365
3369	SLU 52	-1.05421	-1.05421	SLV 5	-0.45933	-0.45933
3370	SLU 52	-0.99709	-0.99709	SLV 1	-0.42895	-0.42895
3371	SLU 51	-1.29012	-1.29012	SLV 5	-0.63603	-0.63603
3372	SLU 52	-1.05613	-1.05613	SLV 9	-0.48456	-0.48456
3373	SLU 52	-1.36769	-1.36769	SLV 9	-0.63434	-0.63434
3374	SLU 52	-1.43181	-1.43181	SLV 9	-0.60381	-0.60381
3375	SLU 52	-1.06745	-1.06745	SLV 5	-0.47333	-0.47333
3376	SLU 52	-1.42766	-1.42766	SLV 9	-0.6046	-0.6046
3377	SLU 52	-1.38694	-1.38694	SLV 5	-0.59048	-0.59048
3378	SLU 52	-1.04643	-1.04643	SLV 1	-0.45096	-0.45096
3379	SLU 52	-1.00998	-1.00998	SLV 1	-0.42949	-0.42949
3380	SLU 51	-1.29566	-1.29566	SLV 5	-0.6242	-0.6242
3381	SLU 52	-1.0612	-1.0612	SLV 9	-0.47817	-0.47817
3382	SLU 52	-1.0651	-1.0651	SLV 5	-0.47464	-0.47464
3383	SLU 51	-1.30363	-1.30363	SLV 5	-0.61446	-0.61446
3384	SLU 52	-1.02329	-1.02329	SLV 1	-0.43389	-0.43389
3385	SLU 51	-1.37255	-1.37255	SLV 5	-0.58911	-0.58911
3386	SLU 51	-1.35736	-1.35736	SLV 5	-0.59072	-0.59072
3387	SLU 51	-1.31375	-1.31375	SLV 5	-0.60543	-0.60543
3388	SLU 52	-1.03553	-1.03553	SLV 1	-0.44049	-0.44049
3389	SLU 51	-1.3416	-1.3416	SLV 5	-0.59396	-0.59396
3390	SLU 51	-1.32635	-1.32635	SLV 5	-0.59804	-0.59804
3391	SLU 52	-1.50442	-1.50442	SLV 9	-0.77159	-0.77159
3392	SLU 50	-0.78772	-0.78772	SLV 5	-0.32249	-0.32249
3393	SLU 50	-0.63617	-0.63617	SLV 5	-0.26378	-0.26378
3394	SLU 52	-0.83563	-0.83563	SLV 5	-0.33656	-0.33656
3395	SLU 52	-1.5558	-1.5558	SLV 9	-0.80074	-0.80074
3396	SLU 50	-0.61025	-0.61025	SLV 5	-0.2495	-0.2495
3397	SLU 52	-1.42171	-1.42171	SLV 9	-0.58191	-0.58191
3398	SLU 52	-1.39908	-1.39908	SLV 5	-0.57602	-0.57602
3399	SLU 52	-1.0537	-1.0537	SLV 5	-0.44826	-0.44826
3400	SLU 50	-0.75962	-0.75962	SLV 5	-0.3098	-0.3098
3401	SLU 52	-1.06246	-1.06246	SLV 5	-0.4583	-0.4583
3402	SLU 52	-1.41222	-1.41222	SLV 9	-0.57678	-0.57678
3403	SLU 52	-1.05997	-1.05997	SLV 5	-0.45211	-0.45211

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
3404	SLU 50	-0.80924	-0.80924	SLV 5	-0.32139	-0.32139
3405	SLU 50	-0.82544	-0.82544	SLV 5	-0.32593	-0.32593
3406	SLU 52	-0.84518	-0.84518	SLV 5	-0.34217	-0.34217
3407	SLU 50	-0.65821	-0.65821	SLV 5	-0.26938	-0.26938
3408	SLU 52	-1.4526	-1.4526	SLV 9	-0.73635	-0.73635
3409	SLU 52	-1.03417	-1.03417	SLV 9	-0.48002	-0.48002
3410	SLU 50	-0.7325	-0.7325	SLV 5	-0.29768	-0.29768
3411	SLU 50	-0.68133	-0.68133	SLV 5	-0.27789	-0.27789
3412	SLU 50	-0.70624	-0.70624	SLV 5	-0.28772	-0.28772
3413	SLU 52	-1.02909	-1.02909	SLV 9	-0.48676	-0.48676
3414	SLU 52	-1.02706	-1.02706	SLV 9	-0.49568	-0.49568
3415	SLU 52	-0.85406	-0.85406	SLV 5	-0.35003	-0.35003
3416	SLU 52	-1.41274	-1.41274	SLV 9	-0.70999	-0.70999
3417	SLU 52	-0.96587	-0.96587	SLV 1	-0.41749	-0.41749
3418	SLU 52	-1.02701	-1.02701	SLV 9	-0.50523	-0.50523
3419	SLU 51	-1.25878	-1.25878	SLV 5	-0.63487	-0.63487
3420	SLU 51	-1.27067	-1.27067	SLV 5	-0.62858	-0.62858
3421	SLU 52	-1.4201	-1.4201	SLV 9	-0.57734	-0.57734
3422	SLU 52	-0.95621	-0.95621	SLV 1	-0.4204	-0.4204
3423	SLU 51	-1.24331	-1.24331	SLV 5	-0.63756	-0.63756
3424	SLU 52	-1.04027	-1.04027	SLV 9	-0.47206	-0.47206
3425	SLU 51	-1.02836	-1.02836	SLV 9	-0.5152	-0.5152
3426	SLU 52	-0.86416	-0.86416	SLV 5	-0.36112	-0.36112
3427	SLU 51	-1.22546	-1.22546	SLV 5	-0.63774	-0.63774
3428	SLU 52	-0.94767	-0.94767	SLV 1	-0.42319	-0.42319
3429	SLU 52	-0.97708	-0.97708	SLV 1	-0.41471	-0.41471
3430	SLU 51	-1.02997	-1.02997	SLV 9	-0.52482	-0.52482
3431	SLU 52	-1.37995	-1.37995	SLV 5	-0.56741	-0.56741
3432	SLU 52	-0.87596	-0.87596	SLV 5	-0.37323	-0.37323
3433	SLU 52	-0.88934	-0.88934	SLV 5	-0.38582	-0.38582
3434	SLU 52	-1.38119	-1.38119	SLV 9	-0.6881	-0.6881
3435	SLU 52	-1.04154	-1.04154	SLV 5	-0.43807	-0.43807
3436	SLU 52	-0.93896	-0.93896	SLV 5	-0.4222	-0.4222
3437	SLU 51	-1.03108	-1.03108	SLV 9	-0.53404	-0.53404
3438	SLU 51	-1.20674	-1.20674	SLV 5	-0.63634	-0.63634
3439	SLU 51	-1.18937	-1.18937	SLV 5	-0.635	-0.635
3440	SLU 51	-1.12133	-1.12133	SLV 9	-0.62539	-0.62539
3441	SLU 51	-1.1331	-1.1331	SLV 5	-0.63002	-0.63002
3442	SLU 52	-1.05799	-1.05799	SLV 5	-0.45693	-0.45693
3443	SLU 52	-1.34682	-1.34682	SLV 9	-0.62716	-0.62716
3444	SLU 51	-1.17429	-1.17429	SLV 5	-0.63398	-0.63398
3445	SLU 51	-1.03205	-1.03205	SLV 9	-0.54282	-0.54282
3446	SLU 52	-1.37259	-1.37259	SLV 9	-0.59629	-0.59629
3447	SLU 51	-1.16192	-1.16192	SLV 5	-0.63345	-0.63345
3448	SLU 52	-1.34206	-1.34206	SLV 9	-0.6336	-0.6336
3449	SLU 52	-0.90336	-0.90336	SLV 5	-0.39744	-0.39744
3450	SLU 51	-1.15179	-1.15179	SLV 5	-0.63311	-0.63311
3451	SLU 51	-1.1427	-1.1427	SLV 5	-0.63223	-0.63223
3452	SLU 52	-1.36335	-1.36335	SLV 9	-0.60333	-0.60333
3453	SLU 52	-1.33852	-1.33852	SLV 9	-0.63985	-0.63985
3454	SLU 52	-1.35141	-1.35141	SLV 9	-0.61937	-0.61937
3455	SLU 52	-1.04705	-1.04705	SLV 9	-0.46576	-0.46576
3456	SLU 52	-1.40799	-1.40799	SLV 9	-0.58171	-0.58171
3457	SLU 52	-1.34438	-1.34438	SLV 9	-0.657	-0.657
3458	SLU 51	-1.10669	-1.10669	SLV 9	-0.61777	-0.61777
3459	SLU 52	-1.33843	-1.33843	SLV 9	-0.64715	-0.64715
3460	SLU 52	-0.92881	-0.92881	SLV 5	-0.41601	-0.41601
3461	SLU 51	-1.09047	-1.09047	SLV 9	-0.60805	-0.60805
3462	SLU 51	-1.07408	-1.07408	SLV 9	-0.59674	-0.59674
3463	SLU 51	-1.05928	-1.05928	SLV 9	-0.58475	-0.58475
3464	SLU 51	-1.0474	-1.0474	SLV 9	-0.57294	-0.57294
3465	SLU 51	-1.0391	-1.0391	SLV 9	-0.5619	-0.5619
3466	SLU 51	-1.03421	-1.03421	SLV 9	-0.55184	-0.55184
3467	SLU 52	-1.35819	-1.35819	SLV 9	-0.67021	-0.67021
3468	SLU 52	-0.91684	-0.91684	SLV 5	-0.40769	-0.40769
3469	SLU 52	-1.39636	-1.39636	SLV 9	-0.58523	-0.58523
3470	SLU 52	-1.35648	-1.35648	SLV 9	-0.61103	-0.61103
3471	SLU 52	-1.38379	-1.38379	SLV 9	-0.58972	-0.58972
3472	SLU 52	-1.41569	-1.41569	SLV 9	-0.57802	-0.57802
3473	SLU 52	-1.0531	-1.0531	SLV 9	-0.46034	-0.46034
3474	SLU 52	-0.98941	-0.98941	SLV 1	-0.41269	-0.41269
3475	SLU 52	-1.36264	-1.36264	SLV 5	-0.56619	-0.56619
3476	SLU 51	-1.27758	-1.27758	SLV 5	-0.61692	-0.61692
3477	SLU 52	-1.02955	-1.02955	SLV 1	-0.42669	-0.42669
3478	SLU 52	-1.01666	-1.01666	SLV 1	-0.41895	-0.41895
3479	SLU 52	-1.00297	-1.00297	SLV 1	-0.41417	-0.41417
3480	SLU 51	-1.2848	-1.2848	SLV 5	-0.6061	-0.6061
3481	SLU 51	-1.34684	-1.34684	SLV 5	-0.5681	-0.5681
3482	SLU 51	-1.29314	-1.29314	SLV 5	-0.59563	-0.59563
3483	SLU 51	-1.30365	-1.30365	SLV 5	-0.58626	-0.58626
3484	SLU 51	-1.33105	-1.33105	SLV 5	-0.57194	-0.57194
3485	SLU 51	-1.31609	-1.31609	SLV 5	-0.57758	-0.57758
3486	SLU 52	-1.53133	-1.53133	SLV 9	-0.7711	-0.7711
3487	SLU 52	-1.48392	-1.48392	SLV 9	-0.74268	-0.74268
3488	SLU 52	-1.43955	-1.43955	SLV 9	-0.71553	-0.71553
3489	SLU 52	-1.40068	-1.40068	SLV 9	-0.69077	-0.69077
3490	SLU 52	-1.36929	-1.36929	SLV 9	-0.6693	-0.6693
3491	SLU 52	-1.34649	-1.34649	SLV 9	-0.65162	-0.65162
3492	SLU 52	-1.33238	-1.33238	SLV 9	-0.63773	-0.63773
3493	SLU 52	-1.32603	-1.32603	SLV 9	-0.6271	-0.6271
3494	SLU 52	-1.3256	-1.3256	SLV 9	-0.61876	-0.61876
3495	SLU 52	-1.32879	-1.32879	SLV 9	-0.61144	-0.61144
3496	SLU 52	-1.33357	-1.33357	SLV 9	-0.60404	-0.60404
3497	SLU 52	-1.33889	-1.33889	SLV 9	-0.59597	-0.59597
3498	SLU 52	-1.34482	-1.34482	SLV 9	-0.58731	-0.58731
3499	SLU 52	-1.35211	-1.35211	SLV 9	-0.57865	-0.57865
3500	SLU 52	-1.36138	-1.36138	SLV 9	-0.57066	-0.57066
3501	SLU 52	-1.37252	-1.37252	SLV 9	-0.56378	-0.56378
3502	SLU 52	-1.3845	-1.3845	SLV 9	-0.5581	-0.5581

Nodo	Pressione minima			Pressione massima		
Ind.	Cont.	uz	Valore	Cont.	uz	Valore
3503	SLU 52	-1.39542	-1.39542	SLV 9	-0.55341	-0.55341
3504	SLU 52	-1.40312	-1.40312	SLV 9	-0.54932	-0.54932
3505	SLU 52	-1.40593	-1.40593	SLV 9	-0.54551	-0.54551
3506	SLU 52	-1.40334	-1.40334	SLV 9	-0.54208	-0.54208
3507	SLU 52	-1.39578	-1.39578	SLV 9	-0.53952	-0.53952
3508	SLU 52	-1.38416	-1.38416	SLV 5	-0.53838	-0.53838
3509	SLU 52	-1.36958	-1.36958	SLV 5	-0.53905	-0.53905
3510	SLU 52	-1.35316	-1.35316	SLV 5	-0.54155	-0.54155
3511	SLU 51	-1.33646	-1.33646	SLV 5	-0.54577	-0.54577
3512	SLU 51	-1.32114	-1.32114	SLV 5	-0.5516	-0.5516
3513	SLU 51	-1.30662	-1.30662	SLV 5	-0.55903	-0.55903
3514	SLU 51	-1.29385	-1.29385	SLV 5	-0.56797	-0.56797
3515	SLU 51	-1.28326	-1.28326	SLV 5	-0.57818	-0.57818
3516	SLU 51	-1.27451	-1.27451	SLV 5	-0.58904	-0.58904
3517	SLU 51	-1.26649	-1.26649	SLV 5	-0.59959	-0.59959
3518	SLU 51	-1.25753	-1.25753	SLV 5	-0.60871	-0.60871
3519	SLU 51	-1.24614	-1.24614	SLV 5	-0.61545	-0.61545
3520	SLU 51	-1.23168	-1.23168	SLV 5	-0.61946	-0.61946
3521	SLU 51	-1.21471	-1.21471	SLV 5	-0.62106	-0.62106
3522	SLU 51	-1.19673	-1.19673	SLV 5	-0.6211	-0.6211
3523	SLU 51	-1.17948	-1.17948	SLV 5	-0.62052	-0.62052
3524	SLU 51	-1.16421	-1.16421	SLV 5	-0.61997	-0.61997
3525	SLU 51	-1.15137	-1.15137	SLV 5	-0.61965	-0.61965
3526	SLU 51	-1.14058	-1.14058	SLV 5	-0.61929	-0.61929
3527	SLU 51	-1.13074	-1.13074	SLV 5	-0.61827	-0.61827
3528	SLU 51	-1.12043	-1.12043	SLV 5	-0.61577	-0.61577
3529	SLU 51	-1.10845	-1.10845	SLV 9	-0.6111	-0.6111
3530	SLU 51	-1.09439	-1.09439	SLV 9	-0.60399	-0.60399
3531	SLU 51	-1.07888	-1.07888	SLV 9	-0.59465	-0.59465
3532	SLU 51	-1.06327	-1.06327	SLV 9	-0.58371	-0.58371
3533	SLU 51	-1.04912	-1.04912	SLV 9	-0.57201	-0.57201
3534	SLU 51	-1.03766	-1.03766	SLV 9	-0.56031	-0.56031
3535	SLU 51	-1.02949	-1.02949	SLV 9	-0.54916	-0.54916
3536	SLU 51	-1.02448	-1.02448	SLV 9	-0.53878	-0.53878
3537	SLU 51	-1.02185	-1.02185	SLV 9	-0.52898	-0.52898
3538	SLU 51	-1.02044	-1.02044	SLV 9	-0.51932	-0.51932
3539	SLU 52	-1.01929	-1.01929	SLV 9	-0.50934	-0.50934
3540	SLU 52	-1.01838	-1.01838	SLV 9	-0.49886	-0.49886
3541	SLU 52	-1.01772	-1.01772	SLV 9	-0.48813	-0.48813
3542	SLU 52	-1.01814	-1.01814	SLV 9	-0.47768	-0.47768
3543	SLU 52	-1.0204	-1.0204	SLV 9	-0.46808	-0.46808
3544	SLU 52	-1.02481	-1.02481	SLV 9	-0.45969	-0.45969
3545	SLU 52	-1.03101	-1.03101	SLV 9	-0.45254	-0.45254
3546	SLU 52	-1.03804	-1.03804	SLV 9	-0.44637	-0.44637
3547	SLU 52	-1.04452	-1.04452	SLV 9	-0.44075	-0.44075
3548	SLU 52	-1.04903	-1.04903	SLV 5	-0.43533	-0.43533
3549	SLU 52	-1.05057	-1.05057	SLV 5	-0.43004	-0.43004
3550	SLU 52	-1.04861	-1.04861	SLV 5	-0.42509	-0.42509
3551	SLU 52	-1.04307	-1.04307	SLV 5	-0.42081	-0.42081
3552	SLU 52	-1.03432	-1.03432	SLV 5	-0.4174	-0.4174
3553	SLU 52	-1.02306	-1.02306	SLV 1	-0.41146	-0.41146
3554	SLU 52	-1.01018	-1.01018	SLV 1	-0.40403	-0.40403
3555	SLU 52	-0.9966	-0.9966	SLV 1	-0.39975	-0.39975
3556	SLU 52	-0.98326	-0.98326	SLV 1	-0.39827	-0.39827
3557	SLU 52	-0.97096	-0.97096	SLV 1	-0.39912	-0.39912
3558	SLU 52	-0.96015	-0.96015	SLV 1	-0.40166	-0.40166
3559	SLU 52	-0.95077	-0.95077	SLV 1	-0.40506	-0.40506
3560	SLU 52	-0.94221	-0.94221	SLV 1	-0.40833	-0.40833
3561	SLU 52	-0.93348	-0.93348	SLV 5	-0.40501	-0.40501
3562	SLU 52	-0.92361	-0.92361	SLV 5	-0.39928	-0.39928
3563	SLU 52	-0.91214	-0.91214	SLV 5	-0.39098	-0.39098
3564	SLU 52	-0.89937	-0.89937	SLV 5	-0.38037	-0.38037
3565	SLU 52	-0.8862	-0.8862	SLV 5	-0.36813	-0.36813
3566	SLU 52	-0.87364	-0.87364	SLV 5	-0.35502	-0.35502
3567	SLU 52	-0.86243	-0.86243	SLV 5	-0.34178	-0.34178
3568	SLU 52	-0.85272	-0.85272	SLV 5	-0.32895	-0.32895
3569	SLU 52	-0.84395	-0.84395	SLV 5	-0.31697	-0.31697
3570	SLU 50	-0.83482	-0.83482	SLV 5	-0.30639	-0.30639
3571	SLU 50	-0.82325	-0.82325	SLV 5	-0.29824	-0.29824
3572	SLU 50	-0.80631	-0.80631	SLV 5	-0.29276	-0.29276
3573	SLU 50	-0.78418	-0.78418	SLV 5	-0.2883	-0.2883
3574	SLU 50	-0.75837	-0.75837	SLV 5	-0.28274	-0.28274
3575	SLU 50	-0.73067	-0.73067	SLV 5	-0.27545	-0.27545
3576	SLU 50	-0.70269	-0.70269	SLV 5	-0.2667	-0.2667
3577	SLU 50	-0.67545	-0.67545	SLV 5	-0.25696	-0.25696
3578	SLU 50	-0.64943	-0.64943	SLV 5	-0.2466	-0.2466
3579	SLU 50	-0.62466	-0.62466	SLV 5	-0.23586	-0.23586
3580	SLU 50	-0.60075	-0.60075	SLV 5	-0.22485	-0.22485

7.4 Verifica effetti secondo ordine

***Quota inferiore**: quota inferiore esprimibile come livello, falda, piano orizzontale alla Z specificata. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Quota superiore**: quota superiore esprimibile come livello, falda, piano orizzontale alla Z specificata. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Comb.**: combinazione.*
***N.b.**: nome breve o compatto della combinazione di carico.*
***Carico verticale**: carico verticale. [daN]*
***Spostamento**: spostamento medio di interpiano. [cm]*
***Forza orizzontale totale**: forza orizzontale totale. [daN]*
***Altezza del piano**: altezza del piano. [cm]*
***Theta**: coefficiente Theta formula [7.3.3] § 7.3.1. Il valore è adimensionale.*

Quota inferiore	Quota superiore	Comb.	Carico verticale	Spostamento	Forza orizzontale totale	Altezza del piano	Theta
		N.b.					
fondo corsa	Fondazione	SLV 1	37116	0.057	229112	70	0
fondo corsa	Fondazione	SLV 2	37116	0.057	229112	70	0
fondo corsa	Fondazione	SLV 3	37892	0.048	197251	70	0
fondo corsa	Fondazione	SLV 4	37892	0.048	197251	70	0
fondo corsa	Fondazione	SLV 5	41325	0.063	249951	70	0
fondo corsa	Fondazione	SLV 6	41325	0.063	249951	70	0
fondo corsa	Fondazione	SLV 7	43912	0.054	223568	70	0
fondo corsa	Fondazione	SLV 8	43912	0.054	223568	70	0
fondo corsa	Fondazione	SLV 9	45708	0.054	215894	70	0
fondo corsa	Fondazione	SLV 10	45708	0.054	215894	70	0
fondo corsa	Fondazione	SLV 11	48296	0.062	249440	70	0
fondo corsa	Fondazione	SLV 12	48296	0.062	249440	70	0
fondo corsa	Fondazione	SLV 13	51728	0.045	179984	70	0
fondo corsa	Fondazione	SLV 14	51728	0.045	179984	70	0
fondo corsa	Fondazione	SLV 15	52504	0.055	216595	70	0
fondo corsa	Fondazione	SLV 16	52504	0.055	216595	70	0
Fondazione	p.lo 1	SLV 1	3299463	0.42	172991	360	0.022
Fondazione	p.lo 1	SLV 2	3299463	0.42	172991	360	0.022
Fondazione	p.lo 1	SLV 3	3307952	0.562	159810	360	0.032
Fondazione	p.lo 1	SLV 4	3307952	0.562	159810	360	0.032
Fondazione	p.lo 1	SLV 5	3320225	0.485	186020	360	0.024
Fondazione	p.lo 1	SLV 6	3320225	0.485	186020	360	0.024
Fondazione	p.lo 1	SLV 7	3348522	0.61	173829	360	0.033
Fondazione	p.lo 1	SLV 8	3348522	0.61	173829	360	0.033
Fondazione	p.lo 1	SLV 9	3346511	0.6	173829	360	0.032
Fondazione	p.lo 1	SLV 10	3346511	0.6	173829	360	0.032
Fondazione	p.lo 1	SLV 11	3374808	0.468	186020	360	0.024
Fondazione	p.lo 1	SLV 12	3374808	0.468	186020	360	0.024
Fondazione	p.lo 1	SLV 13	3387081	0.519	159810	360	0.031
Fondazione	p.lo 1	SLV 14	3387081	0.519	159810	360	0.031
Fondazione	p.lo 1	SLV 15	3395571	0.359	172991	360	0.02
Fondazione	p.lo 1	SLV 16	3395571	0.359	172991	360	0.02
p.lo 1	Piano 1	SLV 1	3234263	0.366	176415	180	0.037
p.lo 1	Piano 1	SLV 2	3234263	0.366	176415	180	0.037
p.lo 1	Piano 1	SLV 3	3246907	0.507	165014	180	0.055
p.lo 1	Piano 1	SLV 4	3246907	0.507	165014	180	0.055
p.lo 1	Piano 1	SLV 5	3256773	0.315	188545	180	0.03
p.lo 1	Piano 1	SLV 6	3256773	0.315	188545	180	0.03
p.lo 1	Piano 1	SLV 7	3298921	0.484	177922	180	0.05
p.lo 1	Piano 1	SLV 8	3298921	0.484	177922	180	0.05
p.lo 1	Piano 1	SLV 9	3288712	0.455	177922	180	0.047
p.lo 1	Piano 1	SLV 10	3288712	0.455	177922	180	0.047
p.lo 1	Piano 1	SLV 11	3330859	0.325	188545	180	0.032
p.lo 1	Piano 1	SLV 12	3330859	0.325	188545	180	0.032
p.lo 1	Piano 1	SLV 13	3340726	0.466	165014	180	0.052
p.lo 1	Piano 1	SLV 14	3340726	0.466	165014	180	0.052
p.lo 1	Piano 1	SLV 15	3353370	0.323	176415	180	0.034
p.lo 1	Piano 1	SLV 16	3353370	0.323	176415	180	0.034
Fondazione	Piano 1	SLV 1	3234263	0.888	176415	540	0.03
Fondazione	Piano 1	SLV 2	3234263	0.888	176415	540	0.03
Fondazione	Piano 1	SLV 3	3246907	0.89	165014	540	0.032
Fondazione	Piano 1	SLV 4	3246907	0.89	165014	540	0.032
Fondazione	Piano 1	SLV 5	3256773	0.872	188545	540	0.028
Fondazione	Piano 1	SLV 6	3256773	0.872	188545	540	0.028
Fondazione	Piano 1	SLV 7	3298921	0.856	177922	540	0.029
Fondazione	Piano 1	SLV 8	3298921	0.856	177922	540	0.029
Fondazione	Piano 1	SLV 9	3288712	0.856	177922	540	0.029
Fondazione	Piano 1	SLV 10	3288712	0.856	177922	540	0.029
Fondazione	Piano 1	SLV 11	3330859	0.819	188545	540	0.027
Fondazione	Piano 1	SLV 12	3330859	0.819	188545	540	0.027
Fondazione	Piano 1	SLV 13	3340726	0.811	165014	540	0.03
Fondazione	Piano 1	SLV 14	3340726	0.811	165014	540	0.03
Fondazione	Piano 1	SLV 15	3353370	0.791	176415	540	0.028
Fondazione	Piano 1	SLV 16	3353370	0.791	176415	540	0.028
Piano 1	p.lo 2	SLV 1	2674839	0.3	155816	155	0.033
Piano 1	p.lo 2	SLV 2	2674839	0.3	155816	155	0.033
Piano 1	p.lo 2	SLV 3	2679491	0.41	136223	155	0.052
Piano 1	p.lo 2	SLV 4	2679491	0.41	136223	155	0.052
Piano 1	p.lo 2	SLV 5	2671557	0.284	167469	155	0.029
Piano 1	p.lo 2	SLV 6	2671557	0.284	167469	155	0.029
Piano 1	p.lo 2	SLV 7	2687063	0.404	149411	155	0.047
Piano 1	p.lo 2	SLV 8	2687063	0.404	149411	155	0.047
Piano 1	p.lo 2	SLV 9	2673395	0.385	149411	155	0.044
Piano 1	p.lo 2	SLV 10	2673395	0.385	149411	155	0.044
Piano 1	p.lo 2	SLV 11	2688901	0.281	167469	155	0.029
Piano 1	p.lo 2	SLV 12	2688901	0.281	167469	155	0.029
Piano 1	p.lo 2	SLV 13	2680967	0.372	136223	155	0.047
Piano 1	p.lo 2	SLV 14	2680967	0.372	136223	155	0.047
Piano 1	p.lo 2	SLV 15	2685619	0.254	155816	155	0.028
Piano 1	p.lo 2	SLV 16	2685619	0.254	155816	155	0.028
p.lo 2	Piano 2	SLV 1	2595556	0.284	153267	155	0.031
p.lo 2	Piano 2	SLV 2	2595556	0.284	153267	155	0.031
p.lo 2	Piano 2	SLV 3	2602070	0.386	147933	155	0.044
p.lo 2	Piano 2	SLV 4	2602070	0.386	147933	155	0.044
p.lo 2	Piano 2	SLV 5	2609677	0.289	165109	155	0.029
p.lo 2	Piano 2	SLV 6	2609677	0.289	165109	155	0.029
p.lo 2	Piano 2	SLV 7	2631389	0.392	160170	155	0.042
p.lo 2	Piano 2	SLV 8	2631389	0.392	160170	155	0.042
p.lo 2	Piano 2	SLV 9	2628294	0.377	160170	155	0.04
p.lo 2	Piano 2	SLV 10	2628294	0.377	160170	155	0.04
p.lo 2	Piano 2	SLV 11	2650006	0.282	165109	155	0.029
p.lo 2	Piano 2	SLV 12	2650006	0.282	165109	155	0.029
p.lo 2	Piano 2	SLV 13	2657613	0.349	147933	155	0.04
p.lo 2	Piano 2	SLV 14	2657613	0.349	147933	155	0.04
p.lo 2	Piano 2	SLV 15	2664126	0.237	153267	155	0.027
p.lo 2	Piano 2	SLV 16	2664126	0.237	153267	155	0.027
Piano 1	Piano 2	SLV 1	2595556	0.652	153267	310	0.036
Piano 1	Piano 2	SLV 2	2595556	0.652	153267	310	0.036

Quota inferiore	Quota superiore	Comb.	Carico verticale	Spostamento	Forza orizzontale totale	Altezza del piano	Theta
		N.b.					
Piano 1	Piano 2	SLV 3	2602070	0.645	147933	310	0.037
Piano 1	Piano 2	SLV 4	2602070	0.645	147933	310	0.037
Piano 1	Piano 2	SLV 5	2609677	0.65	165109	310	0.033
Piano 1	Piano 2	SLV 6	2609677	0.65	165109	310	0.033
Piano 1	Piano 2	SLV 7	2631389	0.614	160170	310	0.033
Piano 1	Piano 2	SLV 8	2631389	0.614	160170	310	0.033
Piano 1	Piano 2	SLV 9	2628294	0.633	160170	310	0.034
Piano 1	Piano 2	SLV 10	2628294	0.633	160170	310	0.034
Piano 1	Piano 2	SLV 11	2650006	0.585	165109	310	0.03
Piano 1	Piano 2	SLV 12	2650006	0.585	165109	310	0.03
Piano 1	Piano 2	SLV 13	2657613	0.581	147933	310	0.034
Piano 1	Piano 2	SLV 14	2657613	0.581	147933	310	0.034
Piano 1	Piano 2	SLV 15	2664126	0.561	153267	310	0.031
Piano 1	Piano 2	SLV 16	2664126	0.561	153267	310	0.031
Piano 2	p.lo 3	SLV 1	2014476	0.287	129554	155	0.029
Piano 2	p.lo 3	SLV 2	2014476	0.287	129554	155	0.029
Piano 2	p.lo 3	SLV 3	2044006	0.386	119791	155	0.043
Piano 2	p.lo 3	SLV 4	2044006	0.386	119791	155	0.043
Piano 2	p.lo 3	SLV 5	1971124	0.294	131824	155	0.028
Piano 2	p.lo 3	SLV 6	1971124	0.294	131824	155	0.028
Piano 2	p.lo 3	SLV 7	2069557	0.394	122242	155	0.043
Piano 2	p.lo 3	SLV 8	2069557	0.394	122242	155	0.043
Piano 2	p.lo 3	SLV 9	1963495	0.38	122242	155	0.039
Piano 2	p.lo 3	SLV 10	1963495	0.38	122242	155	0.039
Piano 2	p.lo 3	SLV 11	2061929	0.283	131824	155	0.029
Piano 2	p.lo 3	SLV 12	2061929	0.283	131824	155	0.029
Piano 2	p.lo 3	SLV 13	1989046	0.346	119791	155	0.037
Piano 2	p.lo 3	SLV 14	1989046	0.346	119791	155	0.037
Piano 2	p.lo 3	SLV 15	2018577	0.233	129554	155	0.023
Piano 2	p.lo 3	SLV 16	2018577	0.233	129554	155	0.023
p.lo 3	Piano 3	SLV 1	1952334	0.285	134270	155	0.027
p.lo 3	Piano 3	SLV 2	1952334	0.285	134270	155	0.027
p.lo 3	Piano 3	SLV 3	1971532	0.383	131753	155	0.037
p.lo 3	Piano 3	SLV 4	1971532	0.383	131753	155	0.037
p.lo 3	Piano 3	SLV 5	1933368	0.293	137375	155	0.027
p.lo 3	Piano 3	SLV 6	1933368	0.293	137375	155	0.027
p.lo 3	Piano 3	SLV 7	1997362	0.39	134916	155	0.037
p.lo 3	Piano 3	SLV 8	1997362	0.39	134916	155	0.037
p.lo 3	Piano 3	SLV 9	1936309	0.377	134916	155	0.035
p.lo 3	Piano 3	SLV 10	1936309	0.377	134916	155	0.035
p.lo 3	Piano 3	SLV 11	2000304	0.279	137375	155	0.026
p.lo 3	Piano 3	SLV 12	2000304	0.279	137375	155	0.026
p.lo 3	Piano 3	SLV 13	1962140	0.342	131753	155	0.033
p.lo 3	Piano 3	SLV 14	1962140	0.342	131753	155	0.033
p.lo 3	Piano 3	SLV 15	1981338	0.228	134270	155	0.022
p.lo 3	Piano 3	SLV 16	1981338	0.228	134270	155	0.022
Piano 2	Piano 3	SLV 1	1952334	0.65	134270	310	0.031
Piano 2	Piano 3	SLV 2	1952334	0.65	134270	310	0.031
Piano 2	Piano 3	SLV 3	1971532	0.641	131753	310	0.031
Piano 2	Piano 3	SLV 4	1971532	0.641	131753	310	0.031
Piano 2	Piano 3	SLV 5	1933368	0.658	137375	310	0.03
Piano 2	Piano 3	SLV 6	1933368	0.658	137375	310	0.03
Piano 2	Piano 3	SLV 7	1997362	0.611	134916	310	0.029
Piano 2	Piano 3	SLV 8	1997362	0.611	134916	310	0.029
Piano 2	Piano 3	SLV 9	1936309	0.638	134916	310	0.03
Piano 2	Piano 3	SLV 10	1936309	0.638	134916	310	0.03
Piano 2	Piano 3	SLV 11	2000304	0.578	137375	310	0.027
Piano 2	Piano 3	SLV 12	2000304	0.578	137375	310	0.027
Piano 2	Piano 3	SLV 13	1962140	0.568	131753	310	0.027
Piano 2	Piano 3	SLV 14	1962140	0.568	131753	310	0.027
Piano 2	Piano 3	SLV 15	1981338	0.544	134270	310	0.026
Piano 2	Piano 3	SLV 16	1981338	0.544	134270	310	0.026
Piano 3	p.lo 4	SLV 1	1406038	0.28	103102	155	0.025
Piano 3	p.lo 4	SLV 2	1406038	0.28	103102	155	0.025
Piano 3	p.lo 4	SLV 3	1397783	0.375	99736	155	0.034
Piano 3	p.lo 4	SLV 4	1397783	0.375	99736	155	0.034
Piano 3	p.lo 4	SLV 5	1384089	0.287	93312	155	0.028
Piano 3	p.lo 4	SLV 6	1384089	0.287	93312	155	0.028
Piano 3	p.lo 4	SLV 7	1356569	0.381	89579	155	0.037
Piano 3	p.lo 4	SLV 8	1356569	0.381	89579	155	0.037
Piano 3	p.lo 4	SLV 9	1357019	0.367	89579	155	0.036
Piano 3	p.lo 4	SLV 10	1357019	0.367	89579	155	0.036
Piano 3	p.lo 4	SLV 11	1329499	0.272	93312	155	0.025
Piano 3	p.lo 4	SLV 12	1329499	0.272	93312	155	0.025
Piano 3	p.lo 4	SLV 13	1315806	0.329	99736	155	0.028
Piano 3	p.lo 4	SLV 14	1315806	0.329	99736	155	0.028
Piano 3	p.lo 4	SLV 15	1307550	0.216	103102	155	0.018
Piano 3	p.lo 4	SLV 16	1307550	0.216	103102	155	0.018
Piano 3	Piano 4	SLV 1	1314409	0.712	120012	310	0.025
Piano 3	Piano 4	SLV 2	1314409	0.712	120012	310	0.025
Piano 3	Piano 4	SLV 3	1305104	0.613	113177	310	0.023
Piano 3	Piano 4	SLV 4	1305104	0.613	113177	310	0.023
Piano 3	Piano 4	SLV 5	1325632	0.688	101297	310	0.029
Piano 3	Piano 4	SLV 6	1325632	0.688	101297	310	0.029
Piano 3	Piano 4	SLV 7	1294616	0.539	93099	310	0.024
Piano 3	Piano 4	SLV 8	1294616	0.539	93099	310	0.024
Piano 3	Piano 4	SLV 9	1325947	0.568	93099	310	0.026
Piano 3	Piano 4	SLV 10	1325947	0.568	93099	310	0.026
Piano 3	Piano 4	SLV 11	1294930	0.598	101297	310	0.025
Piano 3	Piano 4	SLV 12	1294930	0.598	101297	310	0.025
Piano 3	Piano 4	SLV 13	1315459	0.509	113177	310	0.019
Piano 3	Piano 4	SLV 14	1315459	0.509	113177	310	0.019
Piano 3	Piano 4	SLV 15	1306154	0.588	120012	310	0.021
Piano 3	Piano 4	SLV 16	1306154	0.588	120012	310	0.021
p.lo 4	Piano 4	SLV 1	1314409	0.267	120012	155	0.019
p.lo 4	Piano 4	SLV 2	1314409	0.267	120012	155	0.019
p.lo 4	Piano 4	SLV 3	1305104	0.358	113177	155	0.027
p.lo 4	Piano 4	SLV 4	1305104	0.358	113177	155	0.027

Quota inferiore	Quota superiore	Comb.	Carico verticale	Spostamento	Forza orizzontale totale	Altezza del piano	Theta
		N.b.					
p.lo 4	Piano 4	SLV 5	1325632	0.28	101297	155	0.024
p.lo 4	Piano 4	SLV 6	1325632	0.28	101297	155	0.024
p.lo 4	Piano 4	SLV 7	1294616	0.367	93099	155	0.033
p.lo 4	Piano 4	SLV 8	1294616	0.367	93099	155	0.033
p.lo 4	Piano 4	SLV 9	1325947	0.358	93099	155	0.033
p.lo 4	Piano 4	SLV 10	1325947	0.358	93099	155	0.033
p.lo 4	Piano 4	SLV 11	1294930	0.262	101297	155	0.022
p.lo 4	Piano 4	SLV 12	1294930	0.262	101297	155	0.022
p.lo 4	Piano 4	SLV 13	1315459	0.32	113177	155	0.024
p.lo 4	Piano 4	SLV 14	1315459	0.32	113177	155	0.024
p.lo 4	Piano 4	SLV 15	1306154	0.21	120012	155	0.015
p.lo 4	Piano 4	SLV 16	1306154	0.21	120012	155	0.015
Piano 4	p.lo 5	SLV 1	753754	0.267	77105	155	0.017
Piano 4	p.lo 5	SLV 2	753754	0.267	77105	155	0.017
Piano 4	p.lo 5	SLV 3	747819	0.433	81669	155	0.026
Piano 4	p.lo 5	SLV 4	747819	0.433	81669	155	0.026
Piano 4	p.lo 5	SLV 5	763834	0.275	70195	155	0.019
Piano 4	p.lo 5	SLV 6	763834	0.275	70195	155	0.019
Piano 4	p.lo 5	SLV 7	744052	0.433	75179	155	0.028
Piano 4	p.lo 5	SLV 8	744052	0.433	75179	155	0.028
Piano 4	p.lo 5	SLV 9	766540	0.435	75179	155	0.029
Piano 4	p.lo 5	SLV 10	766540	0.435	75179	155	0.029
Piano 4	p.lo 5	SLV 11	746758	0.257	70195	155	0.018
Piano 4	p.lo 5	SLV 12	746758	0.257	70195	155	0.018
Piano 4	p.lo 5	SLV 13	762773	0.418	81669	155	0.025
Piano 4	p.lo 5	SLV 14	762773	0.418	81669	155	0.025
Piano 4	p.lo 5	SLV 15	756838	0.235	77105	155	0.015
Piano 4	p.lo 5	SLV 16	756838	0.235	77105	155	0.015
p.lo 5	Piano 5	SLV 1	700252	0.267	67559	155	0.018
p.lo 5	Piano 5	SLV 2	700252	0.267	67559	155	0.018
p.lo 5	Piano 5	SLV 3	698126	0.428	64660	155	0.03
p.lo 5	Piano 5	SLV 4	698126	0.428	64660	155	0.03
p.lo 5	Piano 5	SLV 5	720685	0.265	62943	155	0.02
p.lo 5	Piano 5	SLV 6	720685	0.265	62943	155	0.02
p.lo 5	Piano 5	SLV 7	713598	0.425	59820	155	0.033
p.lo 5	Piano 5	SLV 8	713598	0.425	59820	155	0.033
p.lo 5	Piano 5	SLV 9	736073	0.423	59820	155	0.034
p.lo 5	Piano 5	SLV 10	736073	0.423	59820	155	0.034
p.lo 5	Piano 5	SLV 11	728986	0.249	62943	155	0.019
p.lo 5	Piano 5	SLV 12	728986	0.249	62943	155	0.019
p.lo 5	Piano 5	SLV 13	751546	0.411	64660	155	0.031
p.lo 5	Piano 5	SLV 14	751546	0.411	64660	155	0.031
p.lo 5	Piano 5	SLV 15	749419	0.233	67559	155	0.017
p.lo 5	Piano 5	SLV 16	749419	0.233	67559	155	0.017
Piano 4	Piano 5	SLV 1	700252	0.584	67559	310	0.02
Piano 4	Piano 5	SLV 2	700252	0.584	67559	310	0.02
Piano 4	Piano 5	SLV 3	698126	0.627	64660	310	0.022
Piano 4	Piano 5	SLV 4	698126	0.627	64660	310	0.022
Piano 4	Piano 5	SLV 5	720685	0.551	62943	310	0.02
Piano 4	Piano 5	SLV 6	720685	0.551	62943	310	0.02
Piano 4	Piano 5	SLV 7	713598	0.563	59820	310	0.022
Piano 4	Piano 5	SLV 8	713598	0.563	59820	310	0.022
Piano 4	Piano 5	SLV 9	736073	0.586	59820	310	0.023
Piano 4	Piano 5	SLV 10	736073	0.586	59820	310	0.023
Piano 4	Piano 5	SLV 11	728986	0.472	62943	310	0.018
Piano 4	Piano 5	SLV 12	728986	0.472	62943	310	0.018
Piano 4	Piano 5	SLV 13	751546	0.564	64660	310	0.021
Piano 4	Piano 5	SLV 14	751546	0.564	64660	310	0.021
Piano 4	Piano 5	SLV 15	749419	0.485	67559	310	0.017
Piano 4	Piano 5	SLV 16	749419	0.485	67559	310	0.017
Piano 5	p.lo 6	SLV 1	374445	0.257	39574	155	0.016
Piano 5	p.lo 6	SLV 2	374445	0.257	39574	155	0.016
Piano 5	p.lo 6	SLV 3	373980	0.413	41404	155	0.024
Piano 5	p.lo 6	SLV 4	373980	0.413	41404	155	0.024
Piano 5	p.lo 6	SLV 5	373200	0.255	21173	155	0.029
Piano 5	p.lo 6	SLV 6	373200	0.255	21173	155	0.029
Piano 5	p.lo 6	SLV 7	371651	0.407	24423	155	0.04
Piano 5	p.lo 6	SLV 8	371651	0.407	24423	155	0.04
Piano 5	p.lo 6	SLV 9	371669	0.408	24423	155	0.04
Piano 5	p.lo 6	SLV 10	371669	0.408	24423	155	0.04
Piano 5	p.lo 6	SLV 11	370120	0.237	21173	155	0.027
Piano 5	p.lo 6	SLV 12	370120	0.237	21173	155	0.027
Piano 5	p.lo 6	SLV 13	369341	0.398	41404	155	0.023
Piano 5	p.lo 6	SLV 14	369341	0.398	41404	155	0.023
Piano 5	p.lo 6	SLV 15	368876	0.227	39574	155	0.014
Piano 5	p.lo 6	SLV 16	368876	0.227	39574	155	0.014
p.lo 6	Piano 6	SLV 1	341007	0.224	30783	155	0.016
p.lo 6	Piano 6	SLV 2	341007	0.224	30783	155	0.016
p.lo 6	Piano 6	SLV 3	339202	0.365	34485	155	0.023
p.lo 6	Piano 6	SLV 4	339202	0.365	34485	155	0.023
p.lo 6	Piano 6	SLV 5	349712	0.244	22917	155	0.024
p.lo 6	Piano 6	SLV 6	349712	0.244	22917	155	0.024
p.lo 6	Piano 6	SLV 7	343695	0.367	27691	155	0.029
p.lo 6	Piano 6	SLV 8	343695	0.367	27691	155	0.029
p.lo 6	Piano 6	SLV 9	355368	0.38	27691	155	0.031
p.lo 6	Piano 6	SLV 10	355368	0.38	27691	155	0.031
p.lo 6	Piano 6	SLV 11	349351	0.216	22917	155	0.021
p.lo 6	Piano 6	SLV 12	349351	0.216	22917	155	0.021
p.lo 6	Piano 6	SLV 13	359861	0.362	34485	155	0.024
p.lo 6	Piano 6	SLV 14	359861	0.362	34485	155	0.024
p.lo 6	Piano 6	SLV 15	358056	0.203	30783	155	0.015
p.lo 6	Piano 6	SLV 16	358056	0.203	30783	155	0.015
Piano 5	Piano 6	SLV 1	341007	0.539	30783	310	0.019
Piano 5	Piano 6	SLV 2	341007	0.539	30783	310	0.019
Piano 5	Piano 6	SLV 3	339202	0.652	34485	310	0.021
Piano 5	Piano 6	SLV 4	339202	0.652	34485	310	0.021
Piano 5	Piano 6	SLV 5	349712	0.58	22917	310	0.029
Piano 5	Piano 6	SLV 6	349712	0.58	22917	310	0.029

Quota inferiore	Quota superiore	Comb.	Carico verticale	Spostamento	Forza orizzontale totale	Altezza del piano	Theta
		N.b.					
Piano 5	Piano 6	SLV 7	343695	0.644	27691	310	0.026
Piano 5	Piano 6	SLV 8	343695	0.644	27691	310	0.026
Piano 5	Piano 6	SLV 9	355368	0.691	27691	310	0.029
Piano 5	Piano 6	SLV 10	355368	0.691	27691	310	0.029
Piano 5	Piano 6	SLV 11	349351	0.489	22917	310	0.024
Piano 5	Piano 6	SLV 12	349351	0.489	22917	310	0.024
Piano 5	Piano 6	SLV 13	359861	0.626	34485	310	0.021
Piano 5	Piano 6	SLV 14	359861	0.626	34485	310	0.021
Piano 5	Piano 6	SLV 15	358056	0.457	30783	310	0.017
Piano 5	Piano 6	SLV 16	358056	0.457	30783	310	0.017
Piano 6	Piano 7	SLV 1	81271	0.35	8359	310	0.011
Piano 6	Piano 7	SLV 2	81271	0.35	8359	310	0.011
Piano 6	Piano 7	SLV 3	81517	0.495	9418	310	0.014
Piano 6	Piano 7	SLV 4	81517	0.495	9418	310	0.014
Piano 6	Piano 7	SLV 5	82103	0.383	11357	310	0.009
Piano 6	Piano 7	SLV 6	82103	0.383	11357	310	0.009
Piano 6	Piano 7	SLV 7	82925	0.478	12158	310	0.011
Piano 6	Piano 7	SLV 8	82925	0.478	12158	310	0.011
Piano 6	Piano 7	SLV 9	83063	0.543	12158	310	0.012
Piano 6	Piano 7	SLV 10	83063	0.543	12158	310	0.012
Piano 6	Piano 7	SLV 11	83884	0.307	11357	310	0.007
Piano 6	Piano 7	SLV 12	83884	0.307	11357	310	0.007
Piano 6	Piano 7	SLV 13	84470	0.535	9418	310	0.015
Piano 6	Piano 7	SLV 14	84470	0.535	9418	310	0.015
Piano 6	Piano 7	SLV 15	84716	0.357	8359	310	0.012
Piano 6	Piano 7	SLV 16	84716	0.357	8359	310	0.012

7.5 Rigidezze di interpiano

***Quota inferiore**: quota inferiore dell'interpiano per il quale è stata valutata la rigidezza relativa. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***Quota superiore**: quota superiore dell'interpiano per il quale è stata valutata la rigidezza relativa. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
***KUx**: rigidezza relativa alla traslazione in direzione globale X. [daN/cm]*
***KUy**: rigidezza relativa alla traslazione in direzione globale Y. [daN/cm]*

Quota inferiore	Quota superiore	KUx	KUy
fondo corsa	Fondazione	4191875	890372
Fondazione	p.lo 1	349737	781390
p.lo 1	Piano 1	557057	151657
Piano 1	p.lo 2	443210	1238251
p.lo 2	Piano 2	711767	213096
Piano 2	p.lo 3	382516	3405579
p.lo 3	Piano 3	713835	219314
Piano 3	p.lo 4	334183	1739103
p.lo 4	Piano 4	716986	180829
Piano 4	p.lo 5	259742	53874
p.lo 5	Piano 5	476029	2185265
Piano 5	p.lo 6	187187	98854
p.lo 6	Piano 6	563420	216485
Piano 6	Piano 7	77180	59697

7.6 Tagli ai livelli

***Livello**: livello rispetto a cui è calcolato il taglio.*
***Nome**: nome completo del livello.*
***Cont.**: Contesto nel quale viene valutato il taglio.*
***N.br.**: nome breve della condizione o combinazione di carico.*
***Totale**: totale del taglio al livello.*
***F**: forza del taglio. [daN]*
***X**: componente lungo l'asse X globale. [daN]*
***Y**: componente lungo l'asse Y globale. [daN]*
***Z**: componente lungo l'asse Z globale. [daN]*
***Aste verticali**: contributo al taglio totale dato dalle aste verticali.*
***F**: forza del taglio. [daN]*
***X**: componente lungo l'asse X globale. [daN]*
***Y**: componente lungo l'asse Y globale. [daN]*
***Z**: componente lungo l'asse Z globale. [daN]*
***Pareti**: contributo al taglio totale dato dalle pareti e piastre generiche verticali.*
***F**: forza del taglio. [daN]*
***X**: componente lungo l'asse X globale. [daN]*
***Y**: componente lungo l'asse Y globale. [daN]*
***Z**: componente lungo l'asse Z globale. [daN]*

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
fondo corsa	Pesi	1168	-11328	-29618	0	0	0	1168	-11328	-29618
fondo corsa	Port.	7146	6669	-17702	0	0	0	7146	6669	-17702
fondo corsa	Accidentali	202	7858	-9132	0	0	0	202	7858	-9132
fondo corsa	neve	498	845	-496	0	0	0	498	845	-496
fondo corsa	ΔT	-6151	94543	-1128	0	0	0	-6151	94543	-1128
fondo corsa	SLV X	-190377	-54462	-15557	0	0	0	-190377	-54462	-15557
fondo corsa	SLV Y	-2577	-244273	-23130	0	0	0	-2577	-244273	-23130
fondo corsa	X SLD	-74502	-21021	-6067	0	0	0	-74502	-21021	-6067

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
fondo corsa	Y SLD	-997	-95871	-9016	0	0	0	-997	-95871	-9016
fondo corsa	Rig Ux	-2	0	0	0	0	0	-2	0	0
fondo corsa	Rig Uy	0	-3	0	0	0	0	0	-3	0
fondo corsa	Rig Rz	0	0	0	0	0	0	0	0	0
fondo corsa	SLU 1	6885	-5992	-43780	0	0	0	6885	-5992	-43780
fondo corsa	SLU 2	-2342	135823	-45473	0	0	0	-2342	135823	-45473
fondo corsa	SLU 3	-1968	136456	-45845	0	0	0	-1968	136456	-45845
fondo corsa	SLU 4	7632	-4726	-44525	0	0	0	7632	-4726	-44525
fondo corsa	SLU 5	2097	80364	-45540	0	0	0	2097	80364	-45540
fondo corsa	SLU 6	-2129	144074	-55062	0	0	0	-2129	144074	-55062
fondo corsa	SLU 7	-1755	144707	-55434	0	0	0	-1755	144707	-55434
fondo corsa	SLU 8	7845	3526	-54114	0	0	0	7845	3526	-54114
fondo corsa	SLU 9	2309	88615	-55129	0	0	0	2309	88615	-55129
fondo corsa	SLU 10	7189	5795	-57479	0	0	0	7189	5795	-57479
fondo corsa	SLU 11	1653	90884	-58494	0	0	0	1653	90884	-58494
fondo corsa	SLU 12	7562	6428	-57851	0	0	0	7562	6428	-57851
fondo corsa	SLU 13	2026	91518	-58866	0	0	0	2026	91518	-58866
fondo corsa	SLU 14	11887	-1324	-56172	0	0	0	11887	-1324	-56172
fondo corsa	SLU 15	2661	140491	-57864	0	0	0	2661	140491	-57864
fondo corsa	SLU 16	3035	141125	-58236	0	0	0	3035	141125	-58236
fondo corsa	SLU 17	12635	-57	-56916	0	0	0	12635	-57	-56916
fondo corsa	SLU 18	7099	85032	-57932	0	0	0	7099	85032	-57932
fondo corsa	SLU 19	2873	148743	-67453	0	0	0	2873	148743	-67453
fondo corsa	SLU 20	3247	149376	-67825	0	0	0	3247	149376	-67825
fondo corsa	SLU 21	12847	8194	-66505	0	0	0	12847	8194	-66505
fondo corsa	SLU 22	7312	93283	-67521	0	0	0	7312	93283	-67521
fondo corsa	SLU 23	12191	10464	-69870	0	0	0	12191	10464	-69870
fondo corsa	SLU 24	6655	95553	-70886	0	0	0	6655	95553	-70886
fondo corsa	SLU 25	12565	11097	-70242	0	0	0	12565	11097	-70242
fondo corsa	SLU 26	7029	96186	-71258	0	0	0	7029	96186	-71258
fondo corsa	SLU 27	7235	-9391	-52665	0	0	0	7235	-9391	-52665
fondo corsa	SLU 28	-1991	132424	-54358	0	0	0	-1991	132424	-54358
fondo corsa	SLU 29	-1617	133058	-54730	0	0	0	-1617	133058	-54730
fondo corsa	SLU 30	7983	-8124	-53410	0	0	0	7983	-8124	-53410
fondo corsa	SLU 31	2447	76965	-54426	0	0	0	2447	76965	-54426
fondo corsa	SLU 32	-1779	140676	-63947	0	0	0	-1779	140676	-63947
fondo corsa	SLU 33	-1405	141309	-64319	0	0	0	-1405	141309	-64319
fondo corsa	SLU 34	8195	127	-62999	0	0	0	8195	127	-62999
fondo corsa	SLU 35	2660	85216	-64015	0	0	0	2660	85216	-64015
fondo corsa	SLU 36	7539	2397	-66364	0	0	0	7539	2397	-66364
fondo corsa	SLU 37	2003	87486	-67380	0	0	0	2003	87486	-67380
fondo corsa	SLU 38	7913	3030	-66736	0	0	0	7913	3030	-66736
fondo corsa	SLU 39	2377	88119	-67752	0	0	0	2377	88119	-67752
fondo corsa	SLU 40	12238	-4722	-65057	0	0	0	12238	-4722	-65057
fondo corsa	SLU 41	3011	137093	-66750	0	0	0	3011	137093	-66750
fondo corsa	SLU 42	3385	137726	-67122	0	0	0	3385	137726	-67122
fondo corsa	SLU 43	12985	-3455	-65802	0	0	0	12985	-3455	-65802
fondo corsa	SLU 44	7449	81634	-66817	0	0	0	7449	81634	-66817
fondo corsa	SLU 45	3224	145344	-76339	0	0	0	3224	145344	-76339
fondo corsa	SLU 46	3597	145978	-76711	0	0	0	3597	145978	-76711
fondo corsa	SLU 47	13198	4796	-75391	0	0	0	13198	4796	-75391
fondo corsa	SLU 48	7662	89885	-76406	0	0	0	7662	89885	-76406
fondo corsa	SLU 49	12541	7065	-78756	0	0	0	12541	7065	-78756
fondo corsa	SLU 50	7005	92154	-79771	0	0	0	7005	92154	-79771
fondo corsa	SLU 51	12915	7699	-79128	0	0	0	12915	7699	-79128
fondo corsa	SLU 52	7379	92788	-80143	0	0	0	7379	92788	-80143
fondo corsa	SLE RA 1	8314	-4659	-47320	0	0	0	8314	-4659	-47320
fondo corsa	SLE RA 2	2163	89885	-48449	0	0	0	2163	89885	-48449
fondo corsa	SLE RA 3	2412	90307	-48697	0	0	0	2412	90307	-48697
fondo corsa	SLE RA 4	8813	-3814	-47817	0	0	0	8813	-3814	-47817
fondo corsa	SLE RA 5	5122	52912	-48494	0	0	0	5122	52912	-48494
fondo corsa	SLE RA 6	2305	95386	-54841	0	0	0	2305	95386	-54841
fondo corsa	SLE RA 7	2554	95808	-55090	0	0	0	2554	95808	-55090
fondo corsa	SLE RA 8	8954	1687	-54209	0	0	0	8954	1687	-54209
fondo corsa	SLE RA 9	5264	58413	-54886	0	0	0	5264	58413	-54886
fondo corsa	SLE RA 10	8517	3200	-56453	0	0	0	8517	3200	-56453
fondo corsa	SLE RA 11	4826	59926	-57130	0	0	0	4826	59926	-57130
fondo corsa	SLE RA 12	8766	3622	-56701	0	0	0	8766	3622	-56701
fondo corsa	SLE RA 13	5075	60348	-57378	0	0	0	5075	60348	-57378
fondo corsa	SLE FR 1	8314	-4659	-47320	0	0	0	8314	-4659	-47320
fondo corsa	SLE FR 2	5239	42613	-47885	0	0	0	5239	42613	-47885
fondo corsa	SLE FR 3	8414	-4490	-47420	0	0	0	8414	-4490	-47420
fondo corsa	SLE FR 4	5299	44971	-50624	0	0	0	5299	44971	-50624
fondo corsa	SLE FR 5	8475	-2132	-50159	0	0	0	8475	-2132	-50159
fondo corsa	SLE FR 6	8415	-729	-51887	0	0	0	8415	-729	-51887
fondo corsa	SLE QP 1	8314	-4659	-47320	0	0	0	8314	-4659	-47320
fondo corsa	SLE QP 2	8375	-2301	-50060	0	0	0	8375	-2301	-50060
fondo corsa	SLD 1	83176	47481	-41288	0	0	0	83176	47481	-41288
fondo corsa	SLD 2	83176	47481	-41288	0	0	0	83176	47481	-41288
fondo corsa	SLD 3	82578	-10042	-46698	0	0	0	82578	-10042	-46698
fondo corsa	SLD 4	82578	-10042	-46698	0	0	0	82578	-10042	-46698
fondo corsa	SLD 5	31722	99876	-39224	0	0	0	31722	99876	-39224
fondo corsa	SLD 6	31722	99876	-39224	0	0	0	31722	99876	-39224
fondo corsa	SLD 7	29729	-91866	-57256	0	0	0	29729	-91866	-57256
fondo corsa	SLD 8	29729	-91866	-57256	0	0	0	29729	-91866	-57256
fondo corsa	SLD 9	-12979	87263	-42864	0	0	0	-12979	87263	-42864
fondo corsa	SLD 10	-12979	87263	-42864	0	0	0	-12979	87263	-42864
fondo corsa	SLD 11	-14973	-104478	-60896	0	0	0	-14973	-104478	-60896
fondo corsa	SLD 12	-14973	-104478	-60896	0	0	0	-14973	-104478	-60896
fondo corsa	SLD 13	-65828	5439	-53422	0	0	0	-65828	5439	-53422
fondo corsa	SLD 14	-65828	5439	-53422	0	0	0	-65828	5439	-53422
fondo corsa	SLD 15	-66426	-52083	-58832	0	0	0	-66426	-52083	-58832
fondo corsa	SLD 16	-66426	-52083	-58832	0	0	0	-66426	-52083	-58832
fondo corsa	SLV 1	199525	125443	-27564	0	0	0	199525	125443	-27564
fondo corsa	SLV 2	199525	125443	-27564	0	0	0	199525	125443	-27564
fondo corsa	SLV 3	197979	-21121	-41442	0	0	0	197979	-21121	-41442
fondo corsa	SLV 4	197979	-21121	-41442	0	0	0	197979	-21121	-41442
fondo corsa	SLV 5	68065	258311	-22263	0	0	0	68065	258311	-22263

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
fondo corsa	SLV 6	68065	258311	-22263	0	0	0	68065	258311	-22263
fondo corsa	SLV 7	62911	-230236	-68523	0	0	0	62911	-230236	-68523
fondo corsa	SLV 8	62911	-230236	-68523	0	0	0	62911	-230236	-68523
fondo corsa	SLV 9	-46161	225634	-31598	0	0	0	-46161	225634	-31598
fondo corsa	SLV 10	-46161	225634	-31598	0	0	0	-46161	225634	-31598
fondo corsa	SLV 11	-51316	-262913	-77857	0	0	0	-51316	-262913	-77857
fondo corsa	SLV 12	-51316	-262913	-77857	0	0	0	-51316	-262913	-77857
fondo corsa	SLV 13	-181229	16519	-58678	0	0	0	-181229	16519	-58678
fondo corsa	SLV 14	-181229	16519	-58678	0	0	0	-181229	16519	-58678
fondo corsa	SLV 15	-182775	-130045	-72556	0	0	0	-182775	-130045	-72556
fondo corsa	SLV 16	-182775	-130045	-72556	0	0	0	-182775	-130045	-72556
fondo corsa	CRTFP Ux+	-2	0	0	0	0	0	-2	0	0
fondo corsa	CRTFP Ux-	2	0	0	0	0	0	2	0	0
fondo corsa	CRTFP Uy+	0	-3	0	0	0	0	0	-3	0
fondo corsa	CRTFP Uy-	0	3	0	0	0	0	0	3	0
fondo corsa	CRTFP Rz+	0	0	0	0	0	0	0	0	0
fondo corsa	CRTFP Rz-	0	0	0	0	0	0	0	0	0
Fondazione	Pesi	0	0	-1755823	1580	-3601	-1435299	-1543	698	-311897
Fondazione	Port.	0	0	-1470261	1969	-1547	-1284697	-1553	-1225	-178340
Fondazione	Accidentali	0	0	-727837	806	-3062	-621503	-828	845	-99881
Fondazione	neve	0	0	-30252	6	-238	-26872	-17	259	-3385
Fondazione	ΔT	0	0	0	266	1274	-1744	-556	-1458	1927
Fondazione	SLV X	163730	23855	-53443	63451	6220	-12985	89953	17618	-40383
Fondazione	SLV Y	-21619	175395	-24308	-12694	53506	44712	-2805	114628	-61883
Fondazione	X SLD	65859	8991	-21139	25023	2257	-5150	36776	6765	-16000
Fondazione	Y SLD	-8500	69752	-9404	-5025	21243	17207	-1064	45623	-23767
Fondazione	Rig Ux	1	0	0	0	0	0	0	0	0
Fondazione	Rig Uy	0	1	0	0	0	1	0	0	-1
Fondazione	Rig Rz	0	0	0	0	0	0	0	0	0
Fondazione	SLU 1	0	0	-2932032	3156	-4839	-2463057	-2786	-282	-454568
Fondazione	SLU 2	0	0	-2932032	3555	-2927	-2465673	-3619	-2469	-451678
Fondazione	SLU 3	0	0	-2954721	3560	-3106	-2485827	-3632	-2275	-454216
Fondazione	SLU 4	0	0	-2977410	3165	-5195	-2503365	-2812	107	-459646
Fondazione	SLU 5	0	0	-2977410	3405	-4049	-2504934	-3312	-1205	-457911
Fondazione	SLU 6	0	0	-3696261	4402	-6143	-3118251	-4489	-1582	-556552
Fondazione	SLU 7	0	0	-3718950	4406	-6321	-3138405	-4502	-1388	-559091
Fondazione	SLU 8	0	0	-3741639	4012	-8411	-3155943	-3681	994	-564521
Fondazione	SLU 9	0	0	-3741639	4251	-7264	-3157512	-4181	-318	-562786
Fondazione	SLU 10	0	0	-4023787	4365	-9432	-3395311	-4028	985	-604390
Fondazione	SLU 11	0	0	-4023787	4604	-8285	-3396881	-4528	-327	-602655
Fondazione	SLU 12	0	0	-4046477	4370	-9610	-3415465	-4041	1180	-606928
Fondazione	SLU 13	0	0	-4046477	4609	-8463	-3417035	-4541	-133	-605194
Fondazione	SLU 14	0	0	-3961214	4534	-5922	-3362344	-3872	-1139	-579406
Fondazione	SLU 15	0	0	-3961214	4934	-4010	-3364960	-4706	-3326	-576515
Fondazione	SLU 16	0	0	-3983904	4939	-4188	-3385114	-4719	-3132	-579054
Fondazione	SLU 17	0	0	-4006593	4544	-6278	-3402652	-3899	-750	-584484
Fondazione	SLU 18	0	0	-4006593	4784	-5131	-3404222	-4399	-2063	-582749
Fondazione	SLU 19	0	0	-4725443	5780	-7225	-4017539	-5576	-2439	-681390
Fondazione	SLU 20	0	0	-4748133	5785	-7404	-4037693	-5589	-2245	-683929
Fondazione	SLU 21	0	0	-4770822	5390	-9493	-4055230	-4768	137	-689358
Fondazione	SLU 22	0	0	-4770822	5630	-8347	-4056800	-5268	-1176	-687624
Fondazione	SLU 23	0	0	-5052970	5743	-10515	-4294599	-5115	128	-729227
Fondazione	SLU 24	0	0	-5052970	5983	-9368	-4296168	-5615	-1184	-727493
Fondazione	SLU 25	0	0	-5075659	5748	-10693	-4314753	-5128	322	-731766
Fondazione	SLU 26	0	0	-5075659	5988	-9546	-4316322	-5628	-990	-730031
Fondazione	SLU 27	0	0	-3458779	3630	-5919	-2893647	-3249	-72	-548137
Fondazione	SLU 28	0	0	-3458779	4029	-4008	-2896263	-4082	-2260	-545247
Fondazione	SLU 29	0	0	-3481468	4034	-4186	-2916417	-4095	-2065	-547785
Fondazione	SLU 30	0	0	-3504157	3639	-6276	-2933954	-3275	316	-553215
Fondazione	SLU 31	0	0	-3504157	3879	-5129	-2935524	-3775	-996	-551480
Fondazione	SLU 32	0	0	-4223008	4876	-7223	-3548841	-4952	-1373	-650121
Fondazione	SLU 33	0	0	-4245697	4880	-7401	-3568995	-4965	-1178	-652660
Fondazione	SLU 34	0	0	-4268386	4486	-9491	-3586533	-4144	1204	-658090
Fondazione	SLU 35	0	0	-4268386	4725	-8344	-3588102	-4644	-109	-656355
Fondazione	SLU 36	0	0	-4550534	4839	-10512	-3825901	-4491	1195	-697959
Fondazione	SLU 37	0	0	-4550534	5079	-9365	-3827471	-4991	-117	-696224
Fondazione	SLU 38	0	0	-4573224	4844	-10691	-3846055	-4504	1389	-700497
Fondazione	SLU 39	0	0	-4573224	5083	-9544	-3847625	-5004	77	-698763
Fondazione	SLU 40	0	0	-4487961	5008	-7002	-3792934	-4335	-930	-672975
Fondazione	SLU 41	0	0	-4487961	5408	-5090	-3795550	-5169	-3117	-670084
Fondazione	SLU 42	0	0	-4510651	5413	-5269	-3815704	-5182	-2923	-672623
Fondazione	SLU 43	0	0	-4533340	5018	-7359	-3833242	-4362	-541	-678053
Fondazione	SLU 44	0	0	-4533340	5258	-6212	-3834812	-4862	-1853	-676318
Fondazione	SLU 45	0	0	-5252190	6254	-8306	-4448128	-6039	-2230	-774959
Fondazione	SLU 46	0	0	-5274880	6259	-8484	-4468282	-6052	-2036	-777498
Fondazione	SLU 47	0	0	-5297569	5864	-10574	-4485820	-5231	346	-782927
Fondazione	SLU 48	0	0	-5297569	6104	-9427	-4487390	-5731	-966	-781193
Fondazione	SLU 49	0	0	-5579717	6217	-11595	-4725189	-5578	338	-822796
Fondazione	SLU 50	0	0	-5579717	6457	-10448	-4726758	-6078	-975	-821062
Fondazione	SLU 51	0	0	-5602406	6222	-11773	-4745343	-5591	532	-825335
Fondazione	SLU 52	0	0	-5602406	6462	-10627	-4746912	-6091	-780	-823600
Fondazione	SLE RA 1	0	0	-3226084	3549	-5148	-2719996	-3096	-527	-490236
Fondazione	SLE RA 2	0	0	-3226084	3816	-3874	-2721740	-3652	-1985	-488309
Fondazione	SLE RA 3	0	0	-3241210	3819	-3993	-2735176	-3660	-1855	-490002
Fondazione	SLE RA 4	0	0	-3256336	3556	-5386	-2746868	-3113	-268	-493621
Fondazione	SLE RA 5	0	0	-3256336	3716	-4621	-2747914	-3447	-1142	-492465
Fondazione	SLE RA 6	0	0	-3735570	4380	-6017	-3156792	-4231	-1394	-558226
Fondazione	SLE RA 7	0	0	-3750696	4383	-6136	-3170228	-4240	-1264	-559918
Fondazione	SLE RA 8	0	0	-3765822	4120	-7529	-3181920	-3693	324	-563538
Fondazione	SLE RA 9	0	0	-3765822	4280	-6765	-3182967	-4027	-551	-562381
Fondazione	SLE RA 10	0	0	-3953921	4356	-8210	-3341499	-3924	318	-590117
Fondazione	SLE RA 11	0	0	-3953921	4515	-7446	-3342545	-4258	-557	-588961
Fondazione	SLE RA 12	0	0	-3969047	4359	-8329	-3354935	-3933	448	-591810
Fondazione	SLE RA 13	0	0	-3969047	4519	-7565	-3355981	-4266	-427	-590653
Fondazione	SLE FR 1	0	0	-3226084	3549	-5148	-2719996	-3096	-527	-490236
Fondazione	SLE FR 2	0	0	-3226084	3683	-4511	-2720868	-3374	-1256	-489273
Fondazione	SLE FR 3	0	0	-3232134	3551	-5196	-2725370	-3100	-475	-490913
Fondazione	SLE FR 4	0	0	-3444435	3924	-5430	-2907319	-3622	-1002	-519237

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Fondazione	SLE FR 5	0	0	-3450486	3793	-6114	-2911821	-3348	-221	-520878
Fondazione	SLE FR 6	0	0	-3590003	3953	-6679	-3030748	-3510	-104	-540177
Fondazione	SLE QP 1	0	0	-3226084	3549	-5148	-2719996	-3096	-527	-490236
Fondazione	SLE QP 2	0	0	-3444435	3791	-6067	-2906447	-3345	-273	-520201
Fondazione	SLD 1	-63309	-29917	-3420475	-19724	-14697	-2906459	-39801	-20725	-497070
Fondazione	SLD 2	-63309	-29917	-3420475	-19724	-14697	-2906459	-39801	-20725	-497070
Fondazione	SLD 3	-68409	11934	-3426118	-22740	-1951	-2896135	-40439	6649	-511331
Fondazione	SLD 4	-68409	11934	-3426118	-22740	-1951	-2896135	-40439	6649	-511331
Fondazione	SLD 5	-11258	-72449	-3428690	1310	-27986	-2922109	-13314	-47926	-491633
Fondazione	SLD 6	-11258	-72449	-3428690	1310	-27986	-2922109	-13314	-47926	-491633
Fondazione	SLD 7	-28257	67055	-3447497	-8741	14499	-2887695	-15441	43321	-539168
Fondazione	SLD 8	-28257	67055	-3447497	-8741	14499	-2887695	-15441	43321	-539168
Fondazione	SLD 9	28257	-67055	-3441373	16324	-26632	-2925199	8752	-43867	-501233
Fondazione	SLD 10	28257	-67055	-3441373	16324	-26632	-2925199	8752	-43867	-501233
Fondazione	SLD 11	11258	72449	-3460181	6273	15853	-2890785	6624	47379	-548768
Fondazione	SLD 12	11258	72449	-3460181	6273	15853	-2890785	6624	47379	-548768
Fondazione	SLD 13	68409	-11934	-3462753	30322	-10182	-2916759	33750	-7196	-529071
Fondazione	SLD 14	68409	-11934	-3462753	30322	-10182	-2916759	33750	-7196	-529071
Fondazione	SLD 15	63309	29917	-3468395	27307	2563	-2906434	33112	20178	-543331
Fondazione	SLD 16	63309	29917	-3468395	27307	2563	-2906434	33112	20178	-543331
Fondazione	SLV 1	-157244	-76474	-3383700	-55851	-28339	-2906876	-92456	-52280	-461253
Fondazione	SLV 2	-157244	-76474	-3383700	-55851	-28339	-2906876	-92456	-52280	-461253
Fondazione	SLV 3	-170216	28763	-3398285	-63468	3765	-2880048	-94139	16497	-498383
Fondazione	SLV 4	-170216	28763	-3398285	-63468	3765	-2880048	-94139	16497	-498383
Fondazione	SLV 5	-27500	-182552	-3404094	-2550	-61439	-2947264	-27526	-120186	-446203
Fondazione	SLV 6	-27500	-182552	-3404094	-2550	-61439	-2947264	-27526	-120186	-446203
Fondazione	SLV 7	-70738	168239	-3452711	-27938	45573	-2857839	-33135	109069	-569969
Fondazione	SLV 8	-70738	168239	-3452711	-27938	45573	-2857839	-33135	109069	-569969
Fondazione	SLV 9	70738	-168239	-3436160	35521	-57707	-2955054	26446	-109615	-470432
Fondazione	SLV 10	70738	-168239	-3436160	35521	-57707	-2955054	26446	-109615	-470432
Fondazione	SLV 11	27500	182552	-3484776	10132	49305	-2865630	20837	119640	-594199
Fondazione	SLV 12	27500	182552	-3484776	10132	49305	-2865630	20837	119640	-594199
Fondazione	SLV 13	170216	-28763	-3490585	71050	-15898	-2932845	87450	-17043	-542018
Fondazione	SLV 14	170216	-28763	-3490585	71050	-15898	-2932845	87450	-17043	-542018
Fondazione	SLV 15	157244	76474	-3505170	63434	16205	-2906018	85767	51733	-579148
Fondazione	SLV 16	157244	76474	-3505170	63434	16205	-2906018	85767	51733	-579148
Fondazione	CRTFP Ux+	1	0	0	0	0	0	0	0	0
Fondazione	CRTFP Ux-	-1	0	0	0	0	0	0	0	0
Fondazione	CRTFP Uy+	0	1	0	0	0	1	0	0	-1
Fondazione	CRTFP Uy-	0	-1	0	0	0	-1	0	0	1
Fondazione	CRTFP Rz+	0	0	0	0	0	0	0	0	0
Fondazione	CRTFP Rz-	0	0	0	0	0	0	0	0	0
p.lo 1	Pesi	0	0	-1664441	1613	1721	-1379401	-1543	698	-281812
p.lo 1	Port.	0	0	-1463559	1623	2519	-1282876	-1553	-1225	-178340
p.lo 1	Accidentali	0	0	-720295	924	74	-618589	-828	845	-99881
p.lo 1	neve	0	0	-30252	16	-62	-26738	-17	259	-3385
p.lo 1	ΔT	0	0	0	581	1485	-1894	-556	-1458	1927
p.lo 1	SLV X	157336	21795	-43271	70156	5229	-31274	83838	16480	-12004
p.lo 1	SLV Y	-1896	173183	-15981	-16398	42467	28104	16521	112881	-54190
p.lo 1	X SLD	63163	7965	-16767	27647	1885	-12353	34205	6092	-4391
p.lo 1	Y SLD	-596	69754	-6907	-6469	16893	10813	6665	45841	-21695
p.lo 1	Rig Ux	1	0	0	1	0	0	0	0	0
p.lo 1	Rig Uy	0	1	0	0	0	1	0	0	-1
p.lo 1	Rig Rz	0	0	0	0	0	0	0	0	0
p.lo 1	SLU 1	0	0	-2835288	2911	3736	-2405702	-2786	-282	-424483
p.lo 1	SLU 2	0	0	-2835288	3782	5963	-2408542	-3619	-2469	-421593
p.lo 1	SLU 3	0	0	-2857977	3794	5917	-2428596	-3632	-2275	-424131
p.lo 1	SLU 4	0	0	-2880667	2934	3643	-2445808	-2812	107	-429561
p.lo 1	SLU 5	0	0	-2880667	3457	4979	-2447513	-3312	-1205	-427826
p.lo 1	SLU 6	0	0	-3591598	4752	6041	-3058061	-4489	-1582	-526467
p.lo 1	SLU 7	0	0	-3614287	4764	5994	-3078114	-4502	-1388	-529006
p.lo 1	SLU 8	0	0	-3636976	3905	3721	-3095327	-3681	994	-534436
p.lo 1	SLU 9	0	0	-3636976	4428	5057	-3097031	-4181	-318	-532701
p.lo 1	SLU 10	0	0	-3915731	4297	3847	-3333586	-4028	985	-574305
p.lo 1	SLU 11	0	0	-3915731	4820	5183	-3335290	-4528	-327	-572570
p.lo 1	SLU 12	0	0	-3938420	4309	3801	-3353639	-4041	1180	-576843
p.lo 1	SLU 13	0	0	-3938420	4832	5137	-3355343	-4541	-133	-575109
p.lo 1	SLU 14	0	0	-3859779	4046	5499	-3303715	-3872	-1139	-549321
p.lo 1	SLU 15	0	0	-3859779	4918	7726	-3306555	-4706	-3326	-546430
p.lo 1	SLU 16	0	0	-3882468	4930	7680	-3326609	-4719	-3132	-548969
p.lo 1	SLU 17	0	0	-3905158	4070	5406	-3343821	-3899	-750	-554399
p.lo 1	SLU 18	0	0	-3905158	4593	6742	-3345526	-4399	-2063	-552664
p.lo 1	SLU 19	0	0	-4616089	5888	7804	-3956074	-5576	-2439	-651305
p.lo 1	SLU 20	0	0	-4638778	5900	7758	-3976128	-5589	-2245	-653844
p.lo 1	SLU 21	0	0	-4661467	5041	5484	-3993340	-4768	137	-659273
p.lo 1	SLU 22	0	0	-4661467	5563	6820	-3995045	-5268	-1176	-657539
p.lo 1	SLU 23	0	0	-4940222	5433	5610	-4231599	-5115	128	-699142
p.lo 1	SLU 24	0	0	-4940222	5956	6947	-4233303	-5615	-1184	-697408
p.lo 1	SLU 25	0	0	-4962911	5445	5564	-4251652	-5128	322	-701681
p.lo 1	SLU 26	0	0	-4962911	5967	6900	-4253356	-5628	-990	-699946
p.lo 1	SLU 27	0	0	-3334620	3395	4253	-2819522	-3249	-72	-509027
p.lo 1	SLU 28	0	0	-3334620	4266	6480	-2822363	-4082	-2260	-506136
p.lo 1	SLU 29	0	0	-3357310	4278	6433	-2842416	-4095	-2065	-508675
p.lo 1	SLU 30	0	0	-3379999	3418	4159	-2859628	-3275	316	-514104
p.lo 1	SLU 31	0	0	-3379999	3941	5496	-2861333	-3775	-996	-512370
p.lo 1	SLU 32	0	0	-4090930	5236	6557	-3471881	-4952	-1373	-611011
p.lo 1	SLU 33	0	0	-4113619	5248	6511	-3491935	-4965	-1178	-613550
p.lo 1	SLU 34	0	0	-4136309	4389	4237	-3509147	-4144	1204	-618979
p.lo 1	SLU 35	0	0	-4136309	4911	5573	-3510852	-4644	-109	-617245
p.lo 1	SLU 36	0	0	-4415063	4781	4364	-3747406	-4491	1195	-658848
p.lo 1	SLU 37	0	0	-4415063	5304	5700	-3749110	-4991	-117	-657114
p.lo 1	SLU 38	0	0	-4437752	4793	4317	-3767459	-4504	1389	-661387
p.lo 1	SLU 39	0	0	-4437752	5315	5653	-3769164	-5004	77	-659652
p.lo 1	SLU 40	0	0	-4359111	4530	6016	-3717535	-4335	-930	-633865
p.lo 1	SLU 41	0	0	-4359111	5402	8243	-3720376	-5169	-3117	-630974
p.lo 1	SLU 42	0	0	-4381801	5413	8196	-3740429	-5182	-2923	-633513
p.lo 1	SLU 43	0	0	-4404490	4554	5923	-3757642	-4362	-541	-638942
p.lo 1	SLU 44	0	0	-4404490	5077	7259	-3759346	-4862	-1853	-637208

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
p.lo 1	SLU 45	0	0	-5115421	6372	8321	-4369895	-6039	-2230	-735849
p.lo 1	SLU 46	0	0	-5138111	6384	8274	-4389948	-6052	-2036	-738387
p.lo 1	SLU 47	0	0	-5160800	5524	6000	-4407160	-5231	346	-743817
p.lo 1	SLU 48	0	0	-5160800	6047	7336	-4408865	-5731	-966	-742082
p.lo 1	SLU 49	0	0	-5439554	5917	6127	-4645419	-5578	338	-783686
p.lo 1	SLU 50	0	0	-5439554	6439	7463	-4647123	-6078	-975	-781951
p.lo 1	SLU 51	0	0	-5462243	5928	6080	-4665472	-5591	532	-786225
p.lo 1	SLU 52	0	0	-5462243	6451	7416	-4667177	-6091	-780	-784490
p.lo 1	SLE RA 1	0	0	-3128000	3235	4240	-2662277	-3096	-527	-460151
p.lo 1	SLE RA 2	0	0	-3128000	3816	5725	-2664171	-3652	-1985	-458224
p.lo 1	SLE RA 3	0	0	-3143126	3824	5694	-2677539	-3660	-1855	-459917
p.lo 1	SLE RA 4	0	0	-3158252	3251	4178	-2689015	-3113	-268	-463536
p.lo 1	SLE RA 5	0	0	-3158252	3600	5069	-2690151	-3447	-1142	-462380
p.lo 1	SLE RA 6	0	0	-3632206	4463	5777	-3097183	-4231	-1394	-528141
p.lo 1	SLE RA 7	0	0	-3647332	4471	5745	-3110552	-4240	-1264	-529833
p.lo 1	SLE RA 8	0	0	-3662459	3898	4230	-3122027	-3693	324	-533453
p.lo 1	SLE RA 9	0	0	-3662459	4246	5120	-3123163	-4027	-551	-532296
p.lo 1	SLE RA 10	0	0	-3848295	4159	4314	-3280866	-3924	318	-560032
p.lo 1	SLE RA 11	0	0	-3848295	4508	5205	-3282002	-4258	-557	-558876
p.lo 1	SLE RA 12	0	0	-3863421	4167	4283	-3294235	-3933	448	-561725
p.lo 1	SLE RA 13	0	0	-3863421	4516	5174	-3295371	-4266	-427	-560568
p.lo 1	SLE FR 1	0	0	-3128000	3235	4240	-2662277	-3096	-527	-460151
p.lo 1	SLE FR 2	0	0	-3128000	3526	4982	-2663224	-3374	-1256	-459188
p.lo 1	SLE FR 3	0	0	-3134050	3238	4228	-2667624	-3100	-475	-460828
p.lo 1	SLE FR 4	0	0	-3344088	3803	5005	-2848801	-3622	-1002	-489152
p.lo 1	SLE FR 5	0	0	-3350139	3516	4250	-2853201	-3348	-221	-490793
p.lo 1	SLE FR 6	0	0	-3488147	3697	4277	-2971572	-3510	-104	-510092
p.lo 1	SLE QP 1	0	0	-3128000	3235	4240	-2662277	-3096	-527	-460151
p.lo 1	SLE QP 2	0	0	-3344088	3512	4262	-2847854	-3345	-273	-490116
p.lo 1	SLD 1	-62984	-28891	-3325250	-22194	-2691	-2838744	-39549	-20118	-479216
p.lo 1	SLD 2	-62984	-28891	-3325250	-22194	-2691	-2838744	-39549	-20118	-479216
p.lo 1	SLD 3	-63342	12961	-3329393	-26075	7445	-2832257	-35550	7386	-492233
p.lo 1	SLD 4	-63342	12961	-3329393	-26075	7445	-2832257	-35550	7386	-492233
p.lo 1	SLD 5	-18352	-72144	-3332152	1688	-13197	-2854961	-20271	-47942	-467103
p.lo 1	SLD 6	-18352	-72144	-3332152	1688	-13197	-2854961	-20271	-47942	-467103
p.lo 1	SLD 7	-19545	67365	-3345965	-11251	20590	-2833335	-6941	43740	-510493
p.lo 1	SLD 8	-19545	67365	-3345965	-11251	20590	-2833335	-6941	43740	-510493
p.lo 1	SLD 9	19545	-67365	-3342212	18276	-12065	-2862372	252	-44286	-469738
p.lo 1	SLD 10	19545	-67365	-3342212	18276	-12065	-2862372	252	-44286	-469738
p.lo 1	SLD 11	18352	72144	-3356025	5337	21721	-2840747	13582	47395	-513128
p.lo 1	SLD 12	18352	72144	-3356025	5337	21721	-2840747	13582	47395	-513128
p.lo 1	SLD 13	63342	-12961	-3358783	33100	1080	-2863451	28861	-7933	-487999
p.lo 1	SLD 14	63342	-12961	-3358783	33100	1080	-2863451	28861	-7933	-487999
p.lo 1	SLD 15	62984	28891	-3362927	29219	11216	-2856963	32860	19571	-501015
p.lo 1	SLD 16	62984	28891	-3362927	29219	11216	-2856963	32860	19571	-501015
p.lo 1	SLV 1	-156767	-73749	-3296023	-61724	-13707	-2825010	-92139	-50618	-461855
p.lo 1	SLV 2	-156767	-73749	-3296023	-61724	-13707	-2825010	-92139	-50618	-461855
p.lo 1	SLV 3	-157904	30160	-3305612	-71563	11773	-2808148	-82226	17111	-494369
p.lo 1	SLV 4	-157904	30160	-3305612	-71563	11773	-2808148	-82226	17111	-494369
p.lo 1	SLV 5	-45305	-179721	-3315126	-1136	-39773	-2866575	-45017	-118099	-432324
p.lo 1	SLV 6	-45305	-179721	-3315126	-1136	-39773	-2866575	-45017	-118099	-432324
p.lo 1	SLV 7	-49096	166645	-3347089	-33932	45160	-2810367	-11975	107664	-540704
p.lo 1	SLV 8	-49096	166645	-3347089	-33932	45160	-2810367	-11975	107664	-540704
p.lo 1	SLV 9	49096	-166645	-3341088	40957	-36636	-2885340	5286	-108211	-439527
p.lo 1	SLV 10	49096	-166645	-3341088	40957	-36636	-2885340	5286	-108211	-439527
p.lo 1	SLV 11	45305	179721	-3373051	8161	48298	-2829132	38328	117552	-547907
p.lo 1	SLV 12	45305	179721	-3373051	8161	48298	-2829132	38328	117552	-547907
p.lo 1	SLV 13	157904	-30160	-3382565	78588	-3249	-2887559	75537	-17658	-485863
p.lo 1	SLV 14	157904	-30160	-3382565	78588	-3249	-2887559	75537	-17658	-485863
p.lo 1	SLV 15	156767	73749	-3392153	68749	22231	-2870697	85449	50071	-518377
p.lo 1	SLV 16	156767	73749	-3392153	68749	22231	-2870697	85449	50071	-518377
p.lo 1	CRTFP Ux+	1	0	0	1	0	0	0	0	0
p.lo 1	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
p.lo 1	CRTFP Uy+	0	1	0	0	0	1	0	0	-1
p.lo 1	CRTFP Uy-	0	-1	0	0	0	-1	0	0	1
p.lo 1	CRTFP Rz+	0	0	0	0	0	0	0	0	0
p.lo 1	CRTFP Rz-	0	0	0	0	0	0	0	0	0
Piano 1	Pesi	0	0	-1373858	-1943	-3177	-1135543	1832	2836	-235575
Piano 1	Port.	0	0	-1169943	-2151	-2620	-1026200	2270	1588	-141401
Piano 1	Accidentali	0	0	-596967	-778	-2384	-514523	570	1638	-80136
Piano 1	neve	0	0	-30252	-6	-85	-26982	6	218	-3332
Piano 1	ΔT	0	0	0	81	1315	-2776	-45	-1498	2848
Piano 1	SLV X	142984	13217	-25944	53502	-4101	-10952	85811	16906	-14697
Piano 1	SLV Y	14637	160613	-18538	-6453	42883	41417	23206	97359	-50528
Piano 1	X SLD	57013	4934	-10012	20933	-1639	-4448	34645	6450	-5470
Piano 1	Y SLD	6154	63699	-8641	-2528	16766	15984	9508	38940	-20924
Piano 1	Rig Ux	1	0	0	0	0	0	0	0	0
Piano 1	Rig Uy	0	1	0	0	0	1	0	0	-1
Piano 1	Rig Rz	0	0	0	0	0	0	0	0	0
Piano 1	SLU 1	0	0	-2309812	-3663	-5273	-1956503	3647	4106	-348695
Piano 1	SLU 2	0	0	-2309812	-3542	-3301	-1960667	3580	1859	-344423
Piano 1	SLU 3	0	0	-2332501	-3546	-3365	-1980904	3584	2022	-346922
Piano 1	SLU 4	0	0	-2355191	-3671	-5401	-1996975	3656	4433	-353693
Piano 1	SLU 5	0	0	-2355191	-3599	-4217	-1999474	3615	3085	-351130
Piano 1	SLU 6	0	0	-2936628	-4359	-5804	-2500917	4179	3578	-428566
Piano 1	SLU 7	0	0	-2959317	-4363	-5868	-2521153	4183	3742	-431065
Piano 1	SLU 8	0	0	-2982006	-4489	-7903	-2537225	4255	6153	-437836
Piano 1	SLU 9	0	0	-2982006	-4416	-6720	-2539724	4214	4804	-435273
Piano 1	SLU 10	0	0	-3205263	-4831	-8848	-2728288	4503	6563	-468898
Piano 1	SLU 11	0	0	-3205263	-4758	-7665	-2730786	4463	5214	-466335
Piano 1	SLU 12	0	0	-3227952	-4835	-8912	-2748524	4507	6726	-471398
Piano 1	SLU 13	0	0	-3227952	-4762	-7729	-2751023	4467	5378	-468834
Piano 1	SLU 14	0	0	-3128772	-5168	-7107	-2674843	5236	5218	-447675
Piano 1	SLU 15	0	0	-3128772	-5047	-5135	-2679008	5169	2970	-443404
Piano 1	SLU 16	0	0	-3151461	-5051	-5199	-2699244	5173	3134	-445903
Piano 1	SLU 17	0	0	-3174150	-5177	-7235	-2715316	5244	5545	-452674
Piano 1	SLU 18	0	0	-3174150	-5104	-6051	-2717814	5204	4196	-450110
Piano 1	SLU 19	0	0	-3755587	-5864	-7638	-3219257	5768	4690	-527546

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Piano 1	SLU 20	0	0	-3778277	-5869	-7702	-3239493	5772	4853	-530045
Piano 1	SLU 21	0	0	-3800966	-5994	-9737	-3255565	5843	7264	-536816
Piano 1	SLU 22	0	0	-3800966	-5921	-8554	-3258064	5803	5916	-534253
Piano 1	SLU 23	0	0	-4024223	-6336	-10682	-3446628	6092	7674	-567879
Piano 1	SLU 24	0	0	-4024223	-6263	-9499	-3449126	6051	6326	-565316
Piano 1	SLU 25	0	0	-4046912	-6340	-10746	-3466864	6096	7838	-570378
Piano 1	SLU 26	0	0	-4046912	-6267	-9563	-3469363	6056	6489	-567815
Piano 1	SLU 27	0	0	-2721970	-4246	-6226	-2297166	4197	4957	-419367
Piano 1	SLU 28	0	0	-2721970	-4125	-4254	-2301330	4130	2710	-415096
Piano 1	SLU 29	0	0	-2744659	-4129	-4318	-2321567	4134	2873	-417595
Piano 1	SLU 30	0	0	-2767348	-4254	-6354	-2337638	4205	5284	-424366
Piano 1	SLU 31	0	0	-2767348	-4181	-5170	-2340137	4165	3935	-421803
Piano 1	SLU 32	0	0	-3348785	-4942	-6757	-2841580	4729	4429	-499238
Piano 1	SLU 33	0	0	-3371474	-4946	-6821	-2861816	4733	4593	-501737
Piano 1	SLU 34	0	0	-3394163	-5072	-8856	-2877888	4804	7003	-508508
Piano 1	SLU 35	0	0	-3394163	-4999	-7673	-2880386	4764	5655	-505945
Piano 1	SLU 36	0	0	-3617420	-5414	-9801	-3068950	5053	7414	-539571
Piano 1	SLU 37	0	0	-3617420	-5341	-8618	-3071449	5012	6065	-537008
Piano 1	SLU 38	0	0	-3640109	-5418	-9865	-3089187	5057	7577	-542070
Piano 1	SLU 39	0	0	-3640109	-5345	-8682	-3091685	5016	6228	-539507
Piano 1	SLU 40	0	0	-3540929	-5751	-8060	-3015506	5786	6069	-518348
Piano 1	SLU 41	0	0	-3540929	-5630	-6088	-3019670	5718	3821	-514076
Piano 1	SLU 42	0	0	-3563619	-5634	-6152	-3039907	5723	3985	-516575
Piano 1	SLU 43	0	0	-3586308	-5760	-8188	-3055978	5794	6395	-523346
Piano 1	SLU 44	0	0	-3586308	-5687	-7004	-3058477	5754	5047	-520783
Piano 1	SLU 45	0	0	-4167745	-6447	-8591	-3559920	6317	5541	-598218
Piano 1	SLU 46	0	0	-4190434	-6451	-8655	-3580156	6322	5704	-600717
Piano 1	SLU 47	0	0	-4213123	-6577	-10690	-3596228	6393	8115	-607488
Piano 1	SLU 48	0	0	-4213123	-6504	-9507	-3598727	6353	6766	-604925
Piano 1	SLU 49	0	0	-4436380	-6919	-11635	-3787290	6641	8525	-638551
Piano 1	SLU 50	0	0	-4436380	-6846	-10452	-3789789	6601	7177	-635988
Piano 1	SLU 51	0	0	-4459069	-6923	-11699	-3807527	6645	8689	-641050
Piano 1	SLU 52	0	0	-4459069	-6850	-10516	-3810026	6605	7340	-638487
Piano 1	SLE RA 1	0	0	-2543801	-4093	-5797	-2161743	4101	4424	-376975
Piano 1	SLE RA 2	0	0	-2543801	-4012	-4482	-2164519	4057	2926	-374127
Piano 1	SLE RA 3	0	0	-2558927	-4015	-4525	-2178010	4059	3034	-375793
Piano 1	SLE RA 4	0	0	-2574053	-4099	-5882	-2188725	4107	4642	-380307
Piano 1	SLE RA 5	0	0	-2574053	-4050	-5093	-2190391	4080	3743	-378599
Piano 1	SLE RA 6	0	0	-2961678	-4557	-6151	-2524685	4456	4072	-430222
Piano 1	SLE RA 7	0	0	-2976804	-4560	-6193	-2538176	4459	4181	-431888
Piano 1	SLE RA 8	0	0	-2991930	-4644	-7550	-2548891	4506	5788	-436402
Piano 1	SLE RA 9	0	0	-2991930	-4595	-6762	-2550557	4479	4889	-434693
Piano 1	SLE RA 10	0	0	-3140768	-4872	-8181	-2676266	4672	6062	-457111
Piano 1	SLE RA 11	0	0	-3140768	-4823	-7392	-2677932	4645	5163	-455402
Piano 1	SLE RA 12	0	0	-3155894	-4874	-8223	-2689757	4675	6170	-458777
Piano 1	SLE RA 13	0	0	-3155894	-4826	-7434	-2691423	4648	5271	-457068
Piano 1	SLE FR 1	0	0	-2543801	-4093	-5797	-2161743	4101	4424	-376975
Piano 1	SLE FR 2	0	0	-2543801	-4053	-5140	-2163131	4079	3675	-375551
Piano 1	SLE FR 3	0	0	-2549851	-4094	-5814	-2167139	4102	4467	-377642
Piano 1	SLE FR 4	0	0	-2722891	-4286	-5855	-2317488	4250	4166	-399592
Piano 1	SLE FR 5	0	0	-2728941	-4328	-6529	-2321496	4274	4959	-401682
Piano 1	SLE FR 6	0	0	-2842284	-4482	-6989	-2419004	4387	5243	-417043
Piano 1	SLE QP 1	0	0	-2543801	-4093	-5797	-2161743	4101	4424	-376975
Piano 1	SLE QP 2	0	0	-2722891	-4327	-6512	-2316100	4272	4915	-401016
Piano 1	SLD 1	-58859	-24043	-2710286	-24502	-9903	-2316448	-33225	-13217	-389269
Piano 1	SLD 2	-58859	-24043	-2710286	-24502	-9903	-2316448	-33225	-13217	-389269
Piano 1	SLD 3	-55167	14176	-2715471	-26018	157	-2306857	-27521	10147	-401823
Piano 1	SLD 4	-55167	14176	-2715471	-26018	157	-2306857	-27521	10147	-401823
Piano 1	SLD 5	-23258	-65179	-2711246	-8079	-22787	-2330750	-15629	-35960	-378451
Piano 1	SLD 6	-23258	-65179	-2711246	-8079	-22787	-2330750	-15629	-35960	-378451
Piano 1	SLD 7	-10950	62218	-2728528	-13134	10746	-2298781	3387	41920	-420299
Piano 1	SLD 8	-10950	62218	-2728528	-13134	10746	-2298781	3387	41920	-420299
Piano 1	SLD 9	10950	-62218	-2717253	4481	-23770	-2333418	5158	-32090	-381733
Piano 1	SLD 10	10950	-62218	-2717253	4481	-23770	-2333418	5158	-32090	-381733
Piano 1	SLD 11	23258	65179	-2734536	-574	9762	-2301450	24174	45790	-423581
Piano 1	SLD 12	23258	65179	-2734536	-574	9762	-2301450	24174	45790	-423581
Piano 1	SLD 13	55167	-14176	-2730311	17365	-13181	-2325343	36065	-317	-400208
Piano 1	SLD 14	55167	-14176	-2730311	17365	-13181	-2325343	36065	-317	-400208
Piano 1	SLD 15	58859	24043	-2735495	15848	-3121	-2315752	41770	23047	-412763
Piano 1	SLD 16	58859	24043	-2735495	15848	-3121	-2315752	41770	23047	-412763
Piano 1	SLV 1	-147376	-61400	-2691386	-55892	-15275	-2317573	-88500	-41199	-371160
Piano 1	SLV 2	-147376	-61400	-2691386	-55892	-15275	-2317573	-88500	-41199	-371160
Piano 1	SLV 3	-138593	34967	-2702508	-59764	10454	-2292723	-74577	17217	-401477
Piano 1	SLV 4	-138593	34967	-2702508	-59764	10454	-2292723	-74577	17217	-401477
Piano 1	SLV 5	-57533	-164578	-2696570	-13924	-48164	-2354231	-44676	-97516	-346079
Piano 1	SLV 6	-57533	-164578	-2696570	-13924	-48164	-2354231	-44676	-97516	-346079
Piano 1	SLV 7	-28258	156648	-2733645	-26830	37601	-2271398	1735	97203	-447134
Piano 1	SLV 8	-28258	156648	-2733645	-26830	37601	-2271398	1735	97203	-447134
Piano 1	SLV 9	28258	-156648	-2712136	18177	-50625	-2360802	6810	-87372	-354897
Piano 1	SLV 10	28258	-156648	-2712136	18177	-50625	-2360802	6810	-87372	-354897
Piano 1	SLV 11	57533	164578	-2749211	5271	35140	-2277969	53221	107346	-455953
Piano 1	SLV 12	57533	164578	-2749211	5271	35140	-2277969	53221	107346	-455953
Piano 1	SLV 13	138593	-34967	-2743273	51111	-23478	-2339477	83122	-7387	-400555
Piano 1	SLV 14	138593	-34967	-2743273	51111	-23478	-2339477	83122	-7387	-400555
Piano 1	SLV 15	147376	61400	-2754396	47239	2251	-2314627	97045	51029	-430872
Piano 1	SLV 16	147376	61400	-2754396	47239	2251	-2314627	97045	51029	-430872
Piano 1	CRTFP Ux+	1	0	0	0	0	0	0	0	0
Piano 1	CRTFP Ux-	-1	0	0	0	0	0	0	0	0
Piano 1	CRTFP Uy+	0	1	0	0	0	1	0	0	-1
Piano 1	CRTFP Uy-	0	-1	0	0	0	-1	0	0	1
Piano 1	CRTFP Rz+	0	0	0	0	0	0	0	0	0
Piano 1	CRTFP Rz-	0	0	0	0	0	0	0	0	0
p.lo 2	Pesi	0	0	-1330422	-1511	-1391	-1106516	1832	2836	-222005
p.lo 2	Port.	0	0	-1164789	-2007	-1304	-1022204	2270	1588	-141401
p.lo 2	Accidentali	0	0	-590974	-322	-1573	-509950	570	1638	-80136
p.lo 2	neve	0	0	-30252	-1	-16	-26811	6	218	-3332
p.lo 2	ΔT	0	0	0	41	344	-3434	-45	-1498	2848
p.lo 2	SLV X	136193	24799	-22699	53569	-3615	-26823	79404	28493	4201

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
p.lo 2	SLV Y	7949	152426	-31213	-5801	41356	22400	15642	89681	-63757
p.lo 2	X SLD	53804	9457	-8558	20957	-1465	-10798	31591	10962	2274
p.lo 2	Y SLD	3208	60254	-15598	-2256	16191	8684	6203	35710	-28243
p.lo 2	Rig Ux	1	0	0	0	0	0	0	0	0
p.lo 2	Rig Uy	0	1	0	0	0	1	0	0	-1
p.lo 2	Rig Rz	0	0	0	0	0	0	0	0	0
p.lo 2	SLU 1	0	0	-2262253	-3117	-2435	-1924279	3647	4106	-335125
p.lo 2	SLU 2	0	0	-2262253	-3055	-1919	-1929430	3580	1859	-330853
p.lo 2	SLU 3	0	0	-2284942	-3056	-1930	-1949539	3584	2022	-333352
p.lo 2	SLU 4	0	0	-2307632	-3119	-2458	-1964496	3656	4433	-340123
p.lo 2	SLU 5	0	0	-2307632	-3082	-2148	-1967587	3615	3085	-337560
p.lo 2	SLU 6	0	0	-2882775	-3393	-3571	-2464877	4179	3578	-414996
p.lo 2	SLU 7	0	0	-2905465	-3394	-3582	-2484986	4183	3742	-417495
p.lo 2	SLU 8	0	0	-2928154	-3457	-4110	-2499943	4255	6153	-424266
p.lo 2	SLU 9	0	0	-2928154	-3420	-3800	-2503034	4214	4804	-421702
p.lo 2	SLU 10	0	0	-3148714	-3600	-4795	-2689204	4503	6563	-455328
p.lo 2	SLU 11	0	0	-3148714	-3563	-4485	-2692294	4463	5214	-452765
p.lo 2	SLU 12	0	0	-3171403	-3601	-4806	-2709312	4507	6726	-457827
p.lo 2	SLU 13	0	0	-3171403	-3564	-4497	-2712403	4467	5378	-455264
p.lo 2	SLU 14	0	0	-3077605	-4521	-3348	-2639822	5236	5218	-434105
p.lo 2	SLU 15	0	0	-3077605	-4460	-2832	-2644973	5169	2970	-429834
p.lo 2	SLU 16	0	0	-3100295	-4461	-2843	-2665081	5173	3134	-432333
p.lo 2	SLU 17	0	0	-3122984	-4523	-3371	-2680039	5244	5545	-439103
p.lo 2	SLU 18	0	0	-3122984	-4486	-3062	-2683129	5204	4196	-436540
p.lo 2	SLU 19	0	0	-3698128	-4798	-4484	-3180420	5768	4690	-513976
p.lo 2	SLU 20	0	0	-3720817	-4799	-4495	-3200529	5772	4853	-516475
p.lo 2	SLU 21	0	0	-3743506	-4862	-5023	-3215486	5843	7264	-523246
p.lo 2	SLU 22	0	0	-3743506	-4825	-4713	-3218577	5803	5916	-520683
p.lo 2	SLU 23	0	0	-3964066	-5005	-5708	-3404746	6092	7674	-554309
p.lo 2	SLU 24	0	0	-3964066	-4968	-5398	-3407837	6051	6326	-551746
p.lo 2	SLU 25	0	0	-3986755	-5006	-5719	-3424855	6096	7838	-556808
p.lo 2	SLU 26	0	0	-3986755	-4969	-5410	-3427945	6056	6489	-554245
p.lo 2	SLU 27	0	0	-2661380	-3570	-2852	-2256234	4197	4957	-401726
p.lo 2	SLU 28	0	0	-2661380	-3508	-2336	-2261385	4130	2710	-397455
p.lo 2	SLU 29	0	0	-2684069	-3509	-2348	-2281494	4134	2873	-399954
p.lo 2	SLU 30	0	0	-2706758	-3572	-2876	-2296451	4205	5284	-406724
p.lo 2	SLU 31	0	0	-2706758	-3535	-2566	-2299542	4165	3935	-404161
p.lo 2	SLU 32	0	0	-3281902	-3847	-3988	-2796832	4729	4429	-481597
p.lo 2	SLU 33	0	0	-3304591	-3848	-4000	-2816941	4733	4593	-484096
p.lo 2	SLU 34	0	0	-3327280	-3911	-4527	-2831898	4804	7003	-490867
p.lo 2	SLU 35	0	0	-3327280	-3874	-4218	-2834989	4764	5655	-488304
p.lo 2	SLU 36	0	0	-3547840	-4054	-5212	-3021158	5053	7414	-521930
p.lo 2	SLU 37	0	0	-3547840	-4016	-4902	-3024249	5012	6065	-519367
p.lo 2	SLU 38	0	0	-3570529	-4055	-5224	-3041267	5057	7577	-524429
p.lo 2	SLU 39	0	0	-3570529	-4018	-4914	-3044358	5016	6228	-521866
p.lo 2	SLU 40	0	0	-3476732	-4975	-3765	-2971777	5786	6069	-500707
p.lo 2	SLU 41	0	0	-3476732	-4913	-3249	-2976928	5718	3821	-496435
p.lo 2	SLU 42	0	0	-3499421	-4914	-3261	-2997036	5723	3985	-498934
p.lo 2	SLU 43	0	0	-3522110	-4977	-3789	-3011994	5794	6395	-505705
p.lo 2	SLU 44	0	0	-3522110	-4940	-3479	-3015084	5754	5047	-503142
p.lo 2	SLU 45	0	0	-4097254	-5251	-4901	-3512375	6317	5541	-580577
p.lo 2	SLU 46	0	0	-4119943	-5252	-4913	-3532483	6322	5704	-583076
p.lo 2	SLU 47	0	0	-4142633	-5315	-5441	-3547441	6393	8115	-589847
p.lo 2	SLU 48	0	0	-4142633	-5278	-5131	-3550531	6353	6766	-587284
p.lo 2	SLU 49	0	0	-4363192	-5458	-6125	-3736701	6641	8525	-620910
p.lo 2	SLU 50	0	0	-4363192	-5421	-5815	-3739792	6601	7177	-618347
p.lo 2	SLU 51	0	0	-4385882	-5459	-6137	-3756810	6645	8689	-623409
p.lo 2	SLU 52	0	0	-4385882	-5422	-5827	-3759900	6605	7340	-620846
p.lo 2	SLE RA 1	0	0	-2495211	-3518	-2696	-2128720	4101	4424	-363405
p.lo 2	SLE RA 2	0	0	-2495211	-3477	-2352	-2132154	4057	2926	-360557
p.lo 2	SLE RA 3	0	0	-2510337	-3478	-2359	-2145560	4059	3034	-362223
p.lo 2	SLE RA 4	0	0	-2525463	-3519	-2711	-2155531	4107	4642	-366737
p.lo 2	SLE RA 5	0	0	-2525463	-3495	-2505	-2157592	4080	3743	-365028
p.lo 2	SLE RA 6	0	0	-2908892	-3702	-3453	-2489119	4456	4072	-416652
p.lo 2	SLE RA 7	0	0	-2924019	-3703	-3461	-2502524	4459	4181	-418318
p.lo 2	SLE RA 8	0	0	-2939145	-3745	-3813	-2512496	4506	5788	-422832
p.lo 2	SLE RA 9	0	0	-2939145	-3720	-3606	-2514556	4479	4889	-421123
p.lo 2	SLE RA 10	0	0	-3086185	-3840	-4269	-2638670	4672	6062	-443541
p.lo 2	SLE RA 11	0	0	-3086185	-3816	-4062	-2640730	4645	5163	-441832
p.lo 2	SLE RA 12	0	0	-3101311	-3841	-4277	-2652075	4675	6170	-445207
p.lo 2	SLE RA 13	0	0	-3101311	-3816	-4070	-2654136	4648	5271	-443498
p.lo 2	SLE FR 1	0	0	-2495211	-3518	-2696	-2128720	4101	4424	-363405
p.lo 2	SLE FR 2	0	0	-2495211	-3497	-2524	-2130437	4079	3675	-361981
p.lo 2	SLE FR 3	0	0	-2501261	-3518	-2699	-2134082	4102	4467	-364071
p.lo 2	SLE FR 4	0	0	-2672503	-3594	-2996	-2283422	4250	4166	-386022
p.lo 2	SLE FR 5	0	0	-2678553	-3615	-3171	-2287067	4274	4959	-388112
p.lo 2	SLE FR 6	0	0	-2790698	-3679	-3482	-2383695	4387	5243	-403473
p.lo 2	SLE QP 1	0	0	-2495211	-3518	-2696	-2128720	4101	4424	-363405
p.lo 2	SLE QP 2	0	0	-2672503	-3615	-3168	-2281705	4272	4915	-387446
p.lo 2	SLD 1	-54766	-27533	-2659265	-23894	-6560	-2273512	-29179	-16760	-381247
p.lo 2	SLD 2	-54766	-27533	-2659265	-23894	-6560	-2273512	-29179	-16760	-381247
p.lo 2	SLD 3	-52841	8620	-2668624	-25248	3154	-2268301	-25458	4666	-398193
p.lo 2	SLD 4	-52841	8620	-2668624	-25248	3154	-2268301	-25458	4666	-398193
p.lo 2	SLD 5	-19349	-63091	-2654338	-7645	-18919	-2287150	-11407	-34083	-359885
p.lo 2	SLD 6	-19349	-63091	-2654338	-7645	-18919	-2287150	-11407	-34083	-359885
p.lo 2	SLD 7	-12933	57417	-2685533	-12158	13463	-2269781	998	37336	-416371
p.lo 2	SLD 8	-12933	57417	-2685533	-12158	13463	-2269781	998	37336	-416371
p.lo 2	SLD 9	12933	-57417	-2659473	4929	-19798	-2293629	7547	-27506	-358520
p.lo 2	SLD 10	12933	-57417	-2659473	4929	-19798	-2293629	7547	-27506	-358520
p.lo 2	SLD 11	19349	63091	-2690668	416	12584	-2276260	19952	43914	-415007
p.lo 2	SLD 12	19349	63091	-2690668	416	12584	-2276260	19952	43914	-415007
p.lo 2	SLD 13	52841	-8620	-2676382	18019	-9490	-2295108	34002	5165	-376699
p.lo 2	SLD 14	52841	-8620	-2676382	18019	-9490	-2295108	34002	5165	-376699
p.lo 2	SLD 15	54766	27533	-2685741	16665	225	-2289898	37724	26591	-393645
p.lo 2	SLD 16	54766	27533	-2685741	16665	225	-2289898	37724	26591	-393645
p.lo 2	SLV 1	-138578	-70527	-2640440	-55444	-11959	-2261602	-79824	-50482	-372520
p.lo 2	SLV 2	-138578	-70527	-2640440	-55444	-11959	-2261602	-79824	-50482	-372520
p.lo 2	SLV 3	-133809	20928	-2659168	-58925	12855	-2248162	-70439	3327	-410774

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
p.lo 2	SLV 4	-133809	20928	-2659168	-58925	12855	-2248162	-70439	3327	-410774
p.lo 2	SLV 5	-48807	-159866	-2634480	-13884	-43439	-2296058	-35191	-93314	-324949
p.lo 2	SLV 6	-48807	-159866	-2634480	-13884	-43439	-2296058	-35191	-93314	-324949
p.lo 2	SLV 7	-32910	144986	-2696906	-25487	39274	-2251258	-3907	86048	-452463
p.lo 2	SLV 8	-32910	144986	-2696906	-25487	39274	-2251258	-3907	86048	-452463
p.lo 2	SLV 9	32910	-144986	-2648100	18257	-45609	-2312152	12451	-76218	-322428
p.lo 2	SLV 10	32910	-144986	-2648100	18257	-45609	-2312152	12451	-76218	-322428
p.lo 2	SLV 11	48807	159866	-2710526	6655	37104	-2267352	43736	103144	-449942
p.lo 2	SLV 12	48807	159866	-2710526	6655	37104	-2267352	43736	103144	-449942
p.lo 2	SLV 13	133809	-20928	-2685838	51695	-19190	-2315248	78983	6504	-364117
p.lo 2	SLV 14	133809	-20928	-2685838	51695	-19190	-2315248	78983	6504	-364117
p.lo 2	SLV 15	138578	70527	-2704566	48214	5624	-2301808	88369	60312	-402371
p.lo 2	SLV 16	138578	70527	-2704566	48214	5624	-2301808	88369	60312	-402371
p.lo 2	CRTFP Ux+	1	0	0	0	0	0	0	0	0
p.lo 2	CRTFP Ux-	-1	0	0	0	0	0	0	0	0
p.lo 2	CRTFP Uy+	0	1	0	0	0	1	0	0	-1
p.lo 2	CRTFP Uy-	0	-1	0	0	0	-1	0	0	1
p.lo 2	CRTFP Rz+	0	0	0	0	0	0	0	0	0
p.lo 2	CRTFP Rz-	0	0	0	0	0	0	0	0	0
Piano 2	Pesi	0	0	-1045843	-592	-5593	-866720	496	6212	-176947
Piano 2	Port.	0	0	-872645	-996	-3900	-768872	1122	3702	-101925
Piano 2	Accidentali	0	0	-466673	-124	-3608	-405390	-78	3369	-59274
Piano 2	neve	0	0	-30252	-37	-125	-27109	37	297	-3225
Piano 2	ΔT	0	0	0	-644	670	-2135	663	-837	2196
Piano 2	SLV X	125277	13410	23597	57815	3328	-10470	64073	9635	34387
Piano 2	SLV Y	-3190	132746	-90778	-8682	44245	36772	7480	67687	-117866
Piano 2	X SLD	50260	5240	12086	22638	1311	-4398	26299	3754	16608
Piano 2	Y SLD	-1180	52640	-45691	-3395	17302	14256	2991	27216	-56167
Piano 2	Rig Ux	1	0	0	1	0	0	0	0	0
Piano 2	Rig Uy	0	1	0	0	1	1	0	0	-1
Piano 2	Rig Rz	0	0	0	0	0	0	0	0	0
Piano 2	SLU 1	0	0	-1743960	-1389	-8713	-1481818	1393	9173	-258487
Piano 2	SLU 2	0	0	-1743960	-2355	-7708	-1485020	2387	7917	-255193
Piano 2	SLU 3	0	0	-1766649	-2383	-7802	-1505351	2415	8140	-257612
Piano 2	SLU 4	0	0	-1789338	-1445	-8901	-1522481	1449	9618	-263325
Piano 2	SLU 5	0	0	-1789338	-2025	-8298	-1524402	2046	8865	-261349
Piano 2	SLU 6	0	0	-2233966	-2486	-11496	-1910679	2305	11455	-317431
Piano 2	SLU 7	0	0	-2256655	-2514	-11590	-1931010	2333	11677	-319850
Piano 2	SLU 8	0	0	-2279344	-1576	-12689	-1948140	1367	13155	-325562
Piano 2	SLU 9	0	0	-2279344	-2155	-12086	-1950061	1964	12402	-323586
Piano 2	SLU 10	0	0	-2443969	-1575	-14125	-2089903	1276	14226	-347398
Piano 2	SLU 11	0	0	-2443969	-2155	-13522	-2091824	1873	13473	-345421
Piano 2	SLU 12	0	0	-2466658	-1603	-14218	-2110234	1304	14449	-349816
Piano 2	SLU 13	0	0	-2466658	-2183	-13616	-2112155	1901	13695	-347840
Piano 2	SLU 14	0	0	-2354811	-2086	-11443	-2020028	2178	11765	-329835
Piano 2	SLU 15	0	0	-2354811	-3053	-10438	-2023230	3172	10509	-326541
Piano 2	SLU 16	0	0	-2377500	-3081	-10532	-2043562	3200	10731	-328960
Piano 2	SLU 17	0	0	-2400190	-2142	-11631	-2060692	2234	12209	-334672
Piano 2	SLU 18	0	0	-2400190	-2722	-11028	-2062613	2831	11456	-332696
Piano 2	SLU 19	0	0	-2844818	-3183	-14226	-2448890	3091	14046	-388778
Piano 2	SLU 20	0	0	-2867507	-3211	-14320	-2469221	3118	14268	-391197
Piano 2	SLU 21	0	0	-2890196	-2273	-15419	-2486351	2152	15747	-396910
Piano 2	SLU 22	0	0	-2890196	-2853	-14816	-2488272	2749	14993	-394933
Piano 2	SLU 23	0	0	-3054820	-2273	-16855	-2628113	2061	16818	-418745
Piano 2	SLU 24	0	0	-3054820	-2853	-16252	-2630034	2658	16064	-416769
Piano 2	SLU 25	0	0	-3077510	-2301	-16948	-2648445	2089	17040	-421164
Piano 2	SLU 26	0	0	-3077510	-2881	-16346	-2650366	2686	16287	-419188
Piano 2	SLU 27	0	0	-2057713	-1566	-10391	-1741834	1542	11037	-311571
Piano 2	SLU 28	0	0	-2057713	-2533	-9386	-1745036	2536	9781	-308278
Piano 2	SLU 29	0	0	-2080402	-2561	-9480	-1765367	2564	10003	-310696
Piano 2	SLU 30	0	0	-2103091	-1622	-10579	-1782497	1598	11482	-316409
Piano 2	SLU 31	0	0	-2103091	-2202	-9976	-1784418	2194	10728	-314433
Piano 2	SLU 32	0	0	-2547719	-2663	-13174	-2170695	2454	13318	-370515
Piano 2	SLU 33	0	0	-2570408	-2691	-13268	-2191026	2482	13540	-372934
Piano 2	SLU 34	0	0	-2593097	-1753	-14367	-2208156	1516	15019	-378646
Piano 2	SLU 35	0	0	-2593097	-2333	-13764	-2210077	2112	14265	-376670
Piano 2	SLU 36	0	0	-2757722	-1753	-15802	-2349919	1425	16090	-400482
Piano 2	SLU 37	0	0	-2757722	-2333	-15200	-2351840	2021	15336	-398505
Piano 2	SLU 38	0	0	-2780411	-1781	-15896	-2370250	1453	16312	-402901
Piano 2	SLU 39	0	0	-2780411	-2361	-15293	-2372171	2049	15559	-400924
Piano 2	SLU 40	0	0	-2668564	-2264	-13121	-2280044	2327	13628	-382919
Piano 2	SLU 41	0	0	-2668564	-3230	-12116	-2283246	3321	12372	-379625
Piano 2	SLU 42	0	0	-2691253	-3258	-12210	-2303578	3349	12595	-382044
Piano 2	SLU 43	0	0	-2713943	-2320	-13309	-2320708	2383	14073	-387756
Piano 2	SLU 44	0	0	-2713943	-2900	-12706	-2322629	2979	13319	-385780
Piano 2	SLU 45	0	0	-3158571	-3361	-15904	-2708906	3239	15909	-441862
Piano 2	SLU 46	0	0	-3181260	-3389	-15998	-2729237	3267	16132	-444281
Piano 2	SLU 47	0	0	-3203949	-2450	-17097	-2746367	2301	17610	-449994
Piano 2	SLU 48	0	0	-3203949	-3030	-16494	-2748288	2897	16857	-448017
Piano 2	SLU 49	0	0	-3368573	-2450	-18532	-2888129	2210	18681	-471829
Piano 2	SLU 50	0	0	-3368573	-3030	-17930	-2890050	2806	17928	-469853
Piano 2	SLU 51	0	0	-3391263	-2478	-18626	-2908461	2238	18904	-474248
Piano 2	SLU 52	0	0	-3391263	-3058	-18023	-2910382	2834	18150	-472272
Piano 2	SLE RA 1	0	0	-1918489	-1588	-9493	-1635592	1617	9914	-278872
Piano 2	SLE RA 2	0	0	-1918489	-2232	-8823	-1637727	2280	9076	-276676
Piano 2	SLE RA 3	0	0	-1933615	-2251	-8886	-1651281	2299	9225	-278289
Piano 2	SLE RA 4	0	0	-1948741	-1625	-9618	-1662701	1655	10210	-282097
Piano 2	SLE RA 5	0	0	-1948741	-2012	-9216	-1663982	2052	9708	-280780
Piano 2	SLE RA 6	0	0	-2245160	-2319	-11348	-1921500	2226	11434	-318168
Piano 2	SLE RA 7	0	0	-2260286	-2338	-11411	-1935054	2244	11583	-319780
Piano 2	SLE RA 8	0	0	-2275412	-1713	-12144	-1946474	1600	12568	-323589
Piano 2	SLE RA 9	0	0	-2275412	-2099	-11742	-1947755	1998	12066	-322271
Piano 2	SLE RA 10	0	0	-2385161	-1712	-13101	-2040982	1539	13282	-338146
Piano 2	SLE RA 11	0	0	-2385161	-2099	-12699	-2042263	1937	12780	-336828
Piano 2	SLE RA 12	0	0	-2400288	-1731	-13163	-2054536	1558	13431	-339758
Piano 2	SLE RA 13	0	0	-2400288	-2118	-12761	-2055817	1956	12928	-338441
Piano 2	SLE FR 1	0	0	-1918489	-1588	-9493	-1635592	1617	9914	-278872
Piano 2	SLE FR 2	0	0	-1918489	-1910	-9158	-1636660	1949	9495	-277774

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Piano 2	SLE FR 3	0	0	-1924539	-1595	-9518	-1641014	1625	9973	-279517
Piano 2	SLE FR 4	0	0	-2058490	-1947	-10240	-1758277	1925	10506	-295556
Piano 2	SLE FR 5	0	0	-2064541	-1633	-10600	-1762631	1601	10984	-297299
Piano 2	SLE FR 6	0	0	-2151825	-1650	-11297	-1838287	1578	11598	-308509
Piano 2	SLE QP 1	0	0	-1918489	-1588	-9493	-1635592	1617	9914	-278872
Piano 2	SLE QP 2	0	0	-2058490	-1625	-10575	-1757209	1594	10924	-296654
Piano 2	SLD 1	-49906	-21032	-2056869	-23245	-17077	-1757088	-25603	-994	-296412
Piano 2	SLD 2	-49906	-21032	-2056869	-23245	-17077	-1757088	-25603	-994	-296412
Piano 2	SLD 3	-50614	10553	-2084284	-25282	-6696	-1748535	-23808	15335	-330112
Piano 2	SLD 4	-50614	10553	-2084284	-25282	-6696	-1748535	-23808	15335	-330112
Piano 2	SLD 5	-13898	-54212	-2016426	-5022	-28271	-1770146	-9286	-17418	-245470
Piano 2	SLD 6	-13898	-54212	-2016426	-5022	-28271	-1770146	-9286	-17418	-245470
Piano 2	SLD 7	-16258	51068	-2107807	-11812	6333	-1741634	-3305	37014	-357804
Piano 2	SLD 8	-16258	51068	-2107807	-11812	6333	-1741634	-3305	37014	-357804
Piano 2	SLD 9	16258	-51068	-2009174	8561	-27484	-1772785	6493	-15165	-235505
Piano 2	SLD 10	16258	-51068	-2009174	8561	-27484	-1772785	6493	-15165	-235505
Piano 2	SLD 11	13898	54212	-2100555	1772	7120	-1744273	12474	39266	-347839
Piano 2	SLD 12	13898	54212	-2100555	1772	7120	-1744273	12474	39266	-347839
Piano 2	SLD 13	50614	-10553	-2032697	22032	-14455	-1765884	26996	6513	-263196
Piano 2	SLD 14	50614	-10553	-2032697	22032	-14455	-1765884	26996	6513	-263196
Piano 2	SLD 15	49906	21032	-2060112	19995	-4074	-1757330	28790	22843	-296896
Piano 2	SLD 16	49906	21032	-2060112	19995	-4074	-1757330	28790	22843	-296896
Piano 2	SLV 1	-124320	-53234	-2054854	-56836	-27176	-1757771	-64723	-19017	-295682
Piano 2	SLV 2	-124320	-53234	-2054854	-56836	-27176	-1757771	-64723	-19017	-295682
Piano 2	SLV 3	-126234	26414	-2109321	-62045	-630	-1735708	-60235	21595	-366401
Piano 2	SLV 4	-126234	26414	-2109321	-62045	-630	-1735708	-60235	21595	-366401
Piano 2	SLV 5	-34393	-136769	-1974792	-10288	-55818	-1790840	-25108	-59653	-189105
Piano 2	SLV 6	-34393	-136769	-1974792	-10288	-55818	-1790840	-25108	-59653	-189105
Piano 2	SLV 7	-40773	128723	-2156348	-27651	32671	-1717297	-10148	75720	-424836
Piano 2	SLV 8	-40773	128723	-2156348	-27651	32671	-1717297	-10148	75720	-424836
Piano 2	SLV 9	40773	-128723	-1960633	24401	-53822	-1797122	13336	-53872	-168472
Piano 2	SLV 10	40773	-128723	-1960633	24401	-53822	-1797122	13336	-53872	-168472
Piano 2	SLV 11	34393	136769	-2142189	7038	34668	-1723579	28296	81502	-404203
Piano 2	SLV 12	34393	136769	-2142189	7038	34668	-1723579	28296	81502	-404203
Piano 2	SLV 13	126234	-26414	-2007660	58794	-20521	-1778711	63423	253	-226907
Piano 2	SLV 14	126234	-26414	-2007660	58794	-20521	-1778711	63423	253	-226907
Piano 2	SLV 15	124320	53234	-2062126	53585	6026	-1756648	67911	40866	-297626
Piano 2	SLV 16	124320	53234	-2062126	53585	6026	-1756648	67911	40866	-297626
Piano 2	CRTFP Ux+	1	0	0	1	0	0	0	0	0
Piano 2	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
Piano 2	CRTFP Uy+	0	1	0	0	1	1	0	0	-1
Piano 2	CRTFP Uy-	0	-1	0	0	-1	-1	0	0	1
Piano 2	CRTFP Rz+	0	0	0	0	0	0	0	0	0
Piano 2	CRTFP Rz-	0	0	0	0	0	0	0	0	0
p.lo 3	Pesi	0	0	-1003105	-155	-4412	-837719	496	6212	-163377
p.lo 3	Port.	0	0	-867492	-830	-3130	-764307	1122	3702	-101925
p.lo 3	Accidentali	0	0	-460679	328	-3022	-400417	-78	3369	-59274
p.lo 3	neve	0	0	-30252	-32	-55	-26897	37	297	-3225
p.lo 3	ΔT	0	0	0	-656	-124	-2689	663	-837	2196
p.lo 3	SLV X	117271	16964	7827	57562	3956	-24642	56654	13285	32618
p.lo 3	SLV Y	2631	121153	-42883	-10413	43451	17642	14771	56749	-70381
p.lo 3	X SLD	46414	6589	6265	22557	1558	-10138	22664	5141	16462
p.lo 3	Y SLD	1135	47842	-22447	-4096	16990	6887	5906	22669	-33184
p.lo 3	Rig Ux	1	0	0	1	0	0	0	0	0
p.lo 3	Rig Uy	0	1	0	0	0	1	0	0	-1
p.lo 3	Rig Rz	0	0	0	0	0	0	0	0	0
p.lo 3	SLU 1	0	0	-1697098	-819	-6916	-1449164	1393	9173	-244917
p.lo 3	SLU 2	0	0	-1697098	-1803	-7102	-1453197	2387	7917	-241623
p.lo 3	SLU 3	0	0	-1719787	-1827	-7143	-1473370	2415	8140	-244042
p.lo 3	SLU 4	0	0	-1742476	-867	-6999	-1489510	1449	9618	-249755
p.lo 3	SLU 5	0	0	-1742476	-1457	-7110	-1491930	2046	8865	-247778
p.lo 3	SLU 6	0	0	-2180811	-1458	-10276	-1873635	2305	11455	-303861
p.lo 3	SLU 7	0	0	-2203501	-1482	-10317	-1893808	2333	11677	-306279
p.lo 3	SLU 8	0	0	-2226190	-522	-10172	-1909948	1367	13155	-311992
p.lo 3	SLU 9	0	0	-2226190	-1112	-10284	-1912368	1964	12402	-310016
p.lo 3	SLU 10	0	0	-2388117	-326	-11450	-2049789	1276	14226	-333828
p.lo 3	SLU 11	0	0	-2388117	-917	-11561	-2052209	1873	13473	-331851
p.lo 3	SLU 12	0	0	-2410806	-350	-11491	-2069962	1304	14449	-336246
p.lo 3	SLU 13	0	0	-2410806	-941	-11602	-2072382	1901	13695	-334270
p.lo 3	SLU 14	0	0	-2304342	-1400	-9107	-1984179	2178	11765	-316264
p.lo 3	SLU 15	0	0	-2304342	-2384	-9293	-1988212	3172	10509	-312971
p.lo 3	SLU 16	0	0	-2327031	-2408	-9334	-2008385	3200	10731	-315390
p.lo 3	SLU 17	0	0	-2349721	-1448	-9189	-2024525	2234	12209	-321102
p.lo 3	SLU 18	0	0	-2349721	-2038	-9301	-2026945	2831	11456	-319126
p.lo 3	SLU 19	0	0	-2788055	-2039	-12466	-2408650	3091	14046	-375208
p.lo 3	SLU 20	0	0	-2810745	-2063	-12508	-2428823	3118	14268	-377627
p.lo 3	SLU 21	0	0	-2833434	-1103	-12363	-2444963	2152	15747	-383339
p.lo 3	SLU 22	0	0	-2833434	-1693	-12474	-2447382	2749	14993	-381363
p.lo 3	SLU 23	0	0	-2995361	-907	-13640	-2584804	2061	16818	-405175
p.lo 3	SLU 24	0	0	-2995361	-1498	-13752	-2587224	2658	16064	-403199
p.lo 3	SLU 25	0	0	-3018050	-931	-13682	-2604977	2089	17040	-407594
p.lo 3	SLU 26	0	0	-3018050	-1522	-13793	-2607397	2686	16287	-405618
p.lo 3	SLU 27	0	0	-1998029	-866	-8240	-1700480	1542	11037	-293930
p.lo 3	SLU 28	0	0	-1998029	-1849	-8426	-1704513	2536	9781	-290636
p.lo 3	SLU 29	0	0	-2020719	-1873	-8467	-1724686	2564	10003	-293055
p.lo 3	SLU 30	0	0	-2043408	-914	-8322	-1740826	1598	11482	-298768
p.lo 3	SLU 31	0	0	-2043408	-1504	-8434	-1743246	2194	10728	-296792
p.lo 3	SLU 32	0	0	-2481743	-1504	-11599	-2124950	2454	13318	-352874
p.lo 3	SLU 33	0	0	-2504432	-1528	-11640	-2145123	2482	13540	-355293
p.lo 3	SLU 34	0	0	-2527121	-569	-11496	-2161263	1516	15019	-361005
p.lo 3	SLU 35	0	0	-2527121	-1159	-11607	-2163683	2112	14265	-359029
p.lo 3	SLU 36	0	0	-2689048	-373	-12773	-2301105	1425	16090	-382841
p.lo 3	SLU 37	0	0	-2689048	-963	-12885	-2303525	2021	15336	-380864
p.lo 3	SLU 38	0	0	-2711738	-397	-12815	-2321278	1453	16312	-385259
p.lo 3	SLU 39	0	0	-2711738	-987	-12926	-2323698	2049	15559	-383283
p.lo 3	SLU 40	0	0	-2605274	-1446	-10431	-2235495	2327	13628	-365278
p.lo 3	SLU 41	0	0	-2605274	-2430	-10617	-2239528	3321	12372	-361984
p.lo 3	SLU 42	0	0	-2627963	-2454	-10658	-2259701	3349	12595	-364403

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
p.lo 3	SLU 43	0	0	-2650652	-1495	-10513	-2275841	2383	14073	-370115
p.lo 3	SLU 44	0	0	-2650652	-2085	-10625	-2278261	2979	13319	-368139
p.lo 3	SLU 45	0	0	-3088987	-2085	-13790	-2659965	3239	15909	-424221
p.lo 3	SLU 46	0	0	-3111676	-2109	-13831	-2680138	3267	16132	-426640
p.lo 3	SLU 47	0	0	-3134365	-1150	-13687	-2696278	2301	17610	-432353
p.lo 3	SLU 48	0	0	-3134365	-1740	-13798	-2698698	2897	16857	-430376
p.lo 3	SLU 49	0	0	-3296293	-954	-14964	-2836120	2210	18681	-454188
p.lo 3	SLU 50	0	0	-3296293	-1544	-15076	-2838540	2806	17928	-452212
p.lo 3	SLU 51	0	0	-3318982	-978	-15005	-2856293	2238	18904	-456607
p.lo 3	SLU 52	0	0	-3318982	-1568	-15117	-2858712	2834	18150	-454631
p.lo 3	SLE RA 1	0	0	-1870596	-985	-7542	-1602026	1617	9914	-265302
p.lo 3	SLE RA 2	0	0	-1870596	-1641	-7666	-1604714	2280	9076	-263106
p.lo 3	SLE RA 3	0	0	-1885722	-1657	-7694	-1618163	2299	9225	-264719
p.lo 3	SLE RA 4	0	0	-1900849	-1017	-7597	-1628923	1655	10210	-268527
p.lo 3	SLE RA 5	0	0	-1900849	-1411	-7671	-1630536	2052	9708	-267210
p.lo 3	SLE RA 6	0	0	-2193072	-1411	-9782	-1885006	2226	11434	-304598
p.lo 3	SLE RA 7	0	0	-2208198	-1427	-9809	-1898455	2244	11583	-306210
p.lo 3	SLE RA 8	0	0	-2223324	-787	-9713	-1909215	1600	12568	-310019
p.lo 3	SLE RA 9	0	0	-2223324	-1181	-9787	-1910828	1998	12066	-308701
p.lo 3	SLE RA 10	0	0	-2331276	-657	-10564	-2002442	1539	13282	-324576
p.lo 3	SLE RA 11	0	0	-2331276	-1050	-10639	-2004056	1937	12780	-323258
p.lo 3	SLE RA 12	0	0	-2346402	-673	-10592	-2015891	1558	13431	-326188
p.lo 3	SLE RA 13	0	0	-2346402	-1066	-10666	-2017504	1956	12928	-324871
p.lo 3	SLE FR 1	0	0	-1870596	-985	-7542	-1602026	1617	9914	-265302
p.lo 3	SLE FR 2	0	0	-1870596	-1313	-7604	-1603370	1949	9495	-264204
p.lo 3	SLE FR 3	0	0	-1876647	-991	-7553	-1607405	1625	9973	-265947
p.lo 3	SLE FR 4	0	0	-2008800	-1214	-8511	-1723495	1925	10506	-281986
p.lo 3	SLE FR 5	0	0	-2014851	-893	-8460	-1727530	1601	10984	-283729
p.lo 3	SLE FR 6	0	0	-2100936	-821	-9053	-1802234	1578	11598	-294939
p.lo 3	SLE QP 1	0	0	-1870596	-985	-7542	-1602026	1617	9914	-265302
p.lo 3	SLE QP 2	0	0	-2008800	-886	-8449	-1722151	1594	10924	-283084
p.lo 3	SLD 1	-46755	-20942	-2008331	-22215	-15103	-1714079	-22842	-1018	-289591
p.lo 3	SLD 2	-46755	-20942	-2008331	-22215	-15103	-1714079	-22842	-1018	-289591
p.lo 3	SLD 3	-46074	7763	-2021799	-24672	-4910	-1709947	-19298	12584	-309501
p.lo 3	SLD 4	-46074	7763	-2021799	-24672	-4910	-1709947	-19298	12584	-309501
p.lo 3	SLD 5	-15059	-49818	-1988233	-3558	-25906	-1725996	-11111	-13287	-254839
p.lo 3	SLD 6	-15059	-49818	-1988233	-3558	-25906	-1725996	-11111	-13287	-254839
p.lo 3	SLD 7	-12790	45865	-2033126	-11749	8074	-1712222	700	32051	-321207
p.lo 3	SLD 8	-12790	45865	-2033126	-11749	8074	-1712222	700	32051	-321207
p.lo 3	SLD 9	12790	-45865	-1984474	9976	-24971	-1732079	2487	-10202	-244962
p.lo 3	SLD 10	12790	-45865	-1984474	9976	-24971	-1732079	2487	-10202	-244962
p.lo 3	SLD 11	15059	49818	-2029368	1785	9008	-1718305	14299	35135	-311330
p.lo 3	SLD 12	15059	49818	-2029368	1785	9008	-1718305	14299	35135	-311330
p.lo 3	SLD 13	46074	-7763	-1995801	22899	-11988	-1734355	22486	9265	-256667
p.lo 3	SLD 14	46074	-7763	-1995801	22899	-11988	-1734355	22486	9265	-256667
p.lo 3	SLD 15	46755	20942	-2009269	20442	-1794	-1730222	26030	22866	-276578
p.lo 3	SLD 16	46755	20942	-2009269	20442	-1794	-1730222	26030	22866	-276578
p.lo 3	SLV 1	-118061	-53310	-2003762	-55325	-25440	-1702801	-59491	-19385	-294587
p.lo 3	SLV 2	-118061	-53310	-2003762	-55325	-25440	-1702801	-59491	-19385	-294587
p.lo 3	SLV 3	-116482	19382	-2029492	-61572	630	-1692216	-50629	14664	-336816
p.lo 3	SLV 4	-116482	19382	-2029492	-61572	630	-1692216	-50629	14664	-336816
p.lo 3	SLV 5	-37812	-126243	-1968265	-7742	-53086	-1732400	-30173	-49810	-222488
p.lo 3	SLV 6	-37812	-126243	-1968265	-7742	-53086	-1732400	-30173	-49810	-222488
p.lo 3	SLV 7	-32550	116064	-2054031	-28568	33815	-1697116	-631	63687	-363250
p.lo 3	SLV 8	-32550	116064	-2054031	-28568	33815	-1697116	-631	63687	-363250
p.lo 3	SLV 9	32550	-116064	-1963569	26795	-50713	-1747185	3819	-41839	-202918
p.lo 3	SLV 10	32550	-116064	-1963569	26795	-50713	-1747185	3819	-41839	-202918
p.lo 3	SLV 11	37812	126243	-2049335	5969	36189	-1711901	33361	71658	-343680
p.lo 3	SLV 12	37812	126243	-2049335	5969	36189	-1711901	33361	71658	-343680
p.lo 3	SLV 13	116482	-19382	-1988109	59799	-17528	-1752085	53817	7185	-229352
p.lo 3	SLV 14	116482	-19382	-1988109	59799	-17528	-1752085	53817	7185	-229352
p.lo 3	SLV 15	118061	53310	-2013838	53552	8542	-1741500	62679	41234	-271581
p.lo 3	SLV 16	118061	53310	-2013838	53552	8542	-1741500	62679	41234	-271581
p.lo 3	CRTFP Ux+	1	0	0	1	0	0	0	0	0
p.lo 3	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
p.lo 3	CRTFP Uy+	0	1	0	0	0	1	0	0	-1
p.lo 3	CRTFP Uy-	0	-1	0	0	0	-1	0	0	1
p.lo 3	CRTFP Rz+	0	0	0	0	0	0	0	0	0
p.lo 3	CRTFP Rz-	0	0	0	0	0	0	0	0	0
Piano 3	Pesi	0	0	-719256	-1683	-5571	-600567	1674	6925	-116943
Piano 3	Port.	0	0	-575402	-1984	-3765	-512779	2189	4251	-61170
Piano 3	Accidentali	0	0	-336408	-999	-3954	-297094	848	4169	-37563
Piano 3	neve	0	0	-30252	19	-214	-27284	-15	429	-3076
Piano 3	ΔT	0	0	0	-183	671	-1612	197	-629	1574
Piano 3	SLV X	99213	3281	23609	50710	-2745	-478	45168	5851	24284
Piano 3	SLV Y	-4396	97242	-10132	-9822	38571	33612	7334	38940	-34553
Piano 3	X SLD	40090	973	11094	20008	-1204	-569	18775	2113	11740
Piano 3	Y SLD	-1661	38812	-5542	-3918	15271	13286	3007	15817	-15231
Piano 3	Rig Ux	1	0	0	1	0	0	0	0	0
Piano 3	Rig Uy	0	1	0	0	0	1	0	0	-1
Piano 3	Rig Rz	0	0	0	0	0	0	0	0	0
Piano 3	SLU 1	0	0	-1179578	-3270	-8583	-1010790	3425	10326	-165879
Piano 3	SLU 2	0	0	-1179578	-3545	-7577	-1013208	3720	9381	-163518
Piano 3	SLU 3	0	0	-1202267	-3531	-7738	-1033671	3708	9703	-165825
Piano 3	SLU 4	0	0	-1224956	-3241	-8904	-1051716	3402	10969	-170493
Piano 3	SLU 5	0	0	-1224956	-3406	-8300	-1053166	3579	10403	-169077
Piano 3	SLU 6	0	0	-1532806	-4595	-11729	-1325157	4610	13758	-202960
Piano 3	SLU 7	0	0	-1555496	-4580	-11889	-1345620	4598	14080	-205267
Piano 3	SLU 8	0	0	-1578185	-4290	-13055	-1363665	4292	15346	-209935
Piano 3	SLU 9	0	0	-1578185	-4455	-12452	-1365116	4469	14780	-208518
Piano 3	SLU 10	0	0	-1684190	-4769	-14514	-1456431	4696	16578	-222224
Piano 3	SLU 11	0	0	-1684190	-4934	-13910	-1457882	4873	16012	-220807
Piano 3	SLU 12	0	0	-1706879	-4755	-14674	-1476894	4685	16900	-224531
Piano 3	SLU 13	0	0	-1706879	-4920	-14070	-1478345	4862	16334	-223115
Piano 3	SLU 14	0	0	-1582360	-4659	-11218	-1369735	4957	13301	-208698
Piano 3	SLU 15	0	0	-1582360	-4934	-10212	-1372153	5252	12357	-206337
Piano 3	SLU 16	0	0	-1605049	-4919	-10373	-1392616	5241	12679	-208644
Piano 3	SLU 17	0	0	-1627738	-4630	-11539	-1410661	4934	13945	-213312

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Piano 3	SLU 18	0	0	-1627738	-4795	-10935	-1412112	5111	13378	-211896
Piano 3	SLU 19	0	0	-1935588	-5983	-14364	-1684102	6142	16734	-245779
Piano 3	SLU 20	0	0	-1958277	-5969	-14524	-1704565	6131	17055	-248086
Piano 3	SLU 21	0	0	-1980966	-5679	-15690	-1722610	5824	18321	-252754
Piano 3	SLU 22	0	0	-1980966	-5844	-15087	-1724061	6001	17755	-251337
Piano 3	SLU 23	0	0	-2086972	-6158	-17149	-1815376	6229	19554	-265043
Piano 3	SLU 24	0	0	-2086972	-6323	-16545	-1816827	6406	18987	-263627
Piano 3	SLU 25	0	0	-2109661	-6143	-17309	-1835839	6217	19876	-267350
Piano 3	SLU 26	0	0	-2109661	-6308	-16706	-1837290	6394	19309	-265934
Piano 3	SLU 27	0	0	-1395355	-3775	-10254	-1190960	3927	12403	-200962
Piano 3	SLU 28	0	0	-1395355	-4050	-9249	-1193378	4222	11459	-198601
Piano 3	SLU 29	0	0	-1418044	-4036	-9409	-1213841	4211	11781	-200908
Piano 3	SLU 30	0	0	-1440733	-3746	-10575	-1231886	3904	13047	-205576
Piano 3	SLU 31	0	0	-1440733	-3911	-9972	-1233337	4081	12480	-204159
Piano 3	SLU 32	0	0	-1748583	-5099	-13400	-1505327	5112	15836	-238042
Piano 3	SLU 33	0	0	-1771272	-5085	-13560	-1525790	5101	16158	-240350
Piano 3	SLU 34	0	0	-1793962	-4795	-14726	-1543835	4794	17424	-245017
Piano 3	SLU 35	0	0	-1793962	-4960	-14123	-1545286	4971	16857	-243601
Piano 3	SLU 36	0	0	-1899967	-5274	-16185	-1636601	5198	18656	-257307
Piano 3	SLU 37	0	0	-1899967	-5439	-15581	-1638052	5376	18089	-255890
Piano 3	SLU 38	0	0	-1922656	-5260	-16345	-1657064	5187	18978	-259614
Piano 3	SLU 39	0	0	-1922656	-5425	-15742	-1658515	5364	18411	-258197
Piano 3	SLU 40	0	0	-1798136	-5164	-12890	-1549905	5460	15378	-243781
Piano 3	SLU 41	0	0	-1798136	-5439	-11884	-1552323	5755	14434	-241420
Piano 3	SLU 42	0	0	-1820826	-5424	-12044	-1572786	5743	14756	-243727
Piano 3	SLU 43	0	0	-1843515	-5134	-13210	-1590831	5436	16022	-248395
Piano 3	SLU 44	0	0	-1843515	-5299	-12607	-1592282	5613	15456	-246978
Piano 3	SLU 45	0	0	-2151365	-6488	-16035	-1864272	6645	18811	-280862
Piano 3	SLU 46	0	0	-2174054	-6473	-16195	-1884735	6633	19133	-283169
Piano 3	SLU 47	0	0	-2196743	-6184	-17362	-1902780	6326	20399	-287836
Piano 3	SLU 48	0	0	-2196743	-6349	-16758	-1904231	6503	19832	-286420
Piano 3	SLU 49	0	0	-2302748	-6663	-18820	-1995547	6731	21631	-300126
Piano 3	SLU 50	0	0	-2302748	-6828	-18217	-1996997	6908	21065	-298709
Piano 3	SLU 51	0	0	-2325438	-6648	-18980	-2016010	6719	21953	-302433
Piano 3	SLU 52	0	0	-2325438	-6813	-18377	-2017460	6896	21387	-301016
Piano 3	SLE RA 1	0	0	-1294658	-3667	-9336	-1113345	3863	11176	-178113
Piano 3	SLE RA 2	0	0	-1294658	-3850	-8665	-1114957	4060	10546	-176539
Piano 3	SLE RA 3	0	0	-1309785	-3840	-8772	-1128599	4052	10761	-178077
Piano 3	SLE RA 4	0	0	-1324911	-3647	-9550	-1140629	3847	11605	-181189
Piano 3	SLE RA 5	0	0	-1324911	-3757	-9147	-1141597	3965	11227	-180245
Piano 3	SLE RA 6	0	0	-1530144	-4550	-11433	-1322923	4653	13464	-202833
Piano 3	SLE RA 7	0	0	-1545270	-4540	-11540	-1336565	4645	13679	-204371
Piano 3	SLE RA 8	0	0	-1560396	-4347	-12317	-1348596	4441	14523	-207483
Piano 3	SLE RA 9	0	0	-1560396	-4457	-11915	-1349563	4559	14145	-206539
Piano 3	SLE RA 10	0	0	-1631066	-4666	-13290	-1410440	4710	15344	-215676
Piano 3	SLE RA 11	0	0	-1631066	-4776	-12887	-1411407	4828	14966	-214732
Piano 3	SLE RA 12	0	0	-1646193	-4657	-13397	-1424082	4703	15559	-217214
Piano 3	SLE RA 13	0	0	-1646193	-4767	-12994	-1425049	4821	15181	-216270
Piano 3	SLE FR 1	0	0	-1294658	-3667	-9336	-1113345	3863	11176	-178113
Piano 3	SLE FR 2	0	0	-1294658	-3758	-9001	-1114151	3961	10861	-177326
Piano 3	SLE FR 3	0	0	-1300709	-3663	-9379	-1118802	3860	11261	-178728
Piano 3	SLE FR 4	0	0	-1395581	-4058	-10187	-1203280	4215	12111	-188595
Piano 3	SLE FR 5	0	0	-1401631	-3963	-10565	-1207931	4114	12512	-189997
Piano 3	SLE FR 6	0	0	-1462862	-4167	-11313	-1261893	4287	13260	-196894
Piano 3	SLE QP 1	0	0	-1294658	-3667	-9336	-1113345	3863	11176	-178113
Piano 3	SLE QP 2	0	0	-1395581	-3967	-10522	-1202474	4117	12426	-189382
Piano 3	SLD 1	-39591	-12616	-1405012	-22799	-13900	-1205890	-15560	5568	-196553
Piano 3	SLD 2	-39591	-12616	-1405012	-22799	-13900	-1205890	-15560	5568	-196553
Piano 3	SLD 3	-40588	10671	-1408337	-25150	-4737	-1197919	-13756	15058	-205691
Piano 3	SLD 4	-40588	10671	-1408337	-25150	-4737	-1197919	-13756	15058	-205691
Piano 3	SLD 5	-10366	-39104	-1393367	-6051	-25432	-1215589	-4522	-4024	-177673
Piano 3	SLD 6	-10366	-39104	-1393367	-6051	-25432	-1215589	-4522	-4024	-177673
Piano 3	SLD 7	-13688	38521	-1404451	-13887	5110	-1189017	1491	27609	-208135
Piano 3	SLD 8	-13688	38521	-1404451	-13887	5110	-1189017	1491	27609	-208135
Piano 3	SLD 9	13688	-38521	-1386711	5954	-26154	-1215931	6743	-2757	-170629
Piano 3	SLD 10	13688	-38521	-1386711	5954	-26154	-1215931	6743	-2757	-170629
Piano 3	SLD 11	10366	39104	-1397795	-1883	4388	-1189358	12757	28877	-201091
Piano 3	SLD 12	10366	39104	-1397795	-1883	4388	-1189358	12757	28877	-201091
Piano 3	SLD 13	40588	-10671	-1382825	17217	-16307	-1207029	21990	9794	-173072
Piano 3	SLD 14	40588	-10671	-1382825	17217	-16307	-1207029	21990	9794	-173072
Piano 3	SLD 15	39591	12616	-1386150	14866	-7144	-1199057	23794	19284	-182211
Piano 3	SLD 16	39591	12616	-1386150	14866	-7144	-1199057	23794	19284	-182211
Piano 3	SLV 1	-97895	-32453	-1416150	-51730	-19349	-1212079	-43251	-5106	-203300
Piano 3	SLV 2	-97895	-32453	-1416150	-51730	-19349	-1212079	-43251	-5106	-203300
Piano 3	SLV 3	-100532	25892	-1422230	-57623	3794	-1191912	-38851	18258	-224032
Piano 3	SLV 4	-100532	25892	-1422230	-57623	3794	-1191912	-38851	18258	-224032
Piano 3	SLV 5	-25368	-98226	-1392531	-9358	-48270	-1235943	-16767	-28269	-162114
Piano 3	SLV 6	-25368	-98226	-1392531	-9358	-48270	-1235943	-16767	-28269	-162114
Piano 3	SLV 7	-34160	96257	-1412796	-29002	28873	-1168718	-2100	49611	-231220
Piano 3	SLV 8	-34160	96257	-1412796	-29002	28873	-1168718	-2100	49611	-231220
Piano 3	SLV 9	34160	-96257	-1378366	21068	-49917	-1236230	10334	-24759	-147544
Piano 3	SLV 10	34160	-96257	-1378366	21068	-49917	-1236230	10334	-24759	-147544
Piano 3	SLV 11	25368	98226	-1398630	1424	27226	-1169005	25001	53121	-216649
Piano 3	SLV 12	25368	98226	-1398630	1424	27226	-1169005	25001	53121	-216649
Piano 3	SLV 13	100532	-25892	-1368932	49690	-24838	-1213036	47085	6595	-154732
Piano 3	SLV 14	100532	-25892	-1368932	49690	-24838	-1213036	47085	6595	-154732
Piano 3	SLV 15	97895	32453	-1375011	43797	-1696	-1192868	51485	29959	-175463
Piano 3	SLV 16	97895	32453	-1375011	43797	-1696	-1192868	51485	29959	-175463
Piano 3	CRTFP Ux+	1	0	0	1	0	0	0	0	0
Piano 3	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
Piano 3	CRTFP Uy+	0	1	0	0	0	1	0	0	-1
Piano 3	CRTFP Uy-	0	-1	0	0	0	-1	0	0	1
Piano 3	CRTFP Rz+	0	0	0	0	0	0	0	0	0
Piano 3	CRTFP Rz-	0	0	0	0	0	0	0	0	0
p.lo 4	Pesi	0	0	-679695	-1403	-5187	-574386	1674	6925	-103373
p.lo 4	Port.	0	0	-570249	-1959	-3846	-507924	2189	4251	-61170
p.lo 4	Accidentali	0	0	-330414	-686	-3937	-291920	848	4169	-37563
p.lo 4	neve	0	0	-30252	24	-139	-27029	-15	429	-3076

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
p.lo 4	ΔT	0	0	0	-188	-158	-1986	197	-629	1574
p.lo 4	SLV X	97411	4426	-13906	50966	-2387	-17302	43695	7198	3673
p.lo 4	SLV Y	-83	86083	2698	-11012	38129	14972	12434	28566	-21379
p.lo 4	X SLD	39638	1391	-5117	20167	-1036	-7349	18392	2617	2360
p.lo 4	Y SLD	327	34481	870	-4468	15082	5956	5388	11766	-8672
p.lo 4	Rig Ux	1	0	0	1	0	0	0	0	0
p.lo 4	Rig Uy	0	1	0	0	0	0	0	0	-1
p.lo 4	Rig Rz	0	0	0	0	0	0	0	0	0
p.lo 4	SLU 1	0	0	-1135894	-2970	-8264	-980725	3425	10326	-152309
p.lo 4	SLU 2	0	0	-1135894	-3253	-8501	-983704	3720	9381	-149948
p.lo 4	SLU 3	0	0	-1158583	-3235	-8606	-1003976	3708	9703	-152255
p.lo 4	SLU 4	0	0	-1181272	-2934	-8472	-1021269	3402	10969	-156923
p.lo 4	SLU 5	0	0	-1181272	-3104	-8615	-1023056	3579	10403	-155507
p.lo 4	SLU 6	0	0	-1482829	-3973	-12635	-1290220	4610	13758	-189390
p.lo 4	SLU 7	0	0	-1505518	-3955	-12740	-1310492	4598	14080	-191697
p.lo 4	SLU 8	0	0	-1528208	-3654	-12606	-1327785	4292	15346	-196364
p.lo 4	SLU 9	0	0	-1528208	-3824	-12749	-1329572	4469	14780	-194948
p.lo 4	SLU 10	0	0	-1631516	-3999	-14169	-1418606	4696	16578	-208654
p.lo 4	SLU 11	0	0	-1631516	-4169	-14312	-1420393	4873	16012	-207237
p.lo 4	SLU 12	0	0	-1654205	-3981	-14274	-1438877	4685	16900	-210961
p.lo 4	SLU 13	0	0	-1654205	-4151	-14416	-1440665	4862	16334	-209545
p.lo 4	SLU 14	0	0	-1535068	-4342	-10956	-1336272	4957	13301	-195128
p.lo 4	SLU 15	0	0	-1535068	-4624	-11193	-1339251	5252	12357	-192767
p.lo 4	SLU 16	0	0	-1557757	-4606	-11298	-1359523	5241	12679	-195074
p.lo 4	SLU 17	0	0	-1580446	-4305	-11165	-1376816	4934	13945	-199742
p.lo 4	SLU 18	0	0	-1580446	-4475	-11307	-1378603	5111	13378	-198326
p.lo 4	SLU 19	0	0	-1882003	-5345	-15327	-1645767	6142	16734	-232209
p.lo 4	SLU 20	0	0	-1904692	-5327	-15432	-1666039	6131	17055	-234516
p.lo 4	SLU 21	0	0	-1927382	-5026	-15298	-1683332	5824	18321	-239184
p.lo 4	SLU 22	0	0	-1927382	-5195	-15441	-1685119	6001	17755	-237767
p.lo 4	SLU 23	0	0	-2030690	-5371	-16862	-1774152	6229	19554	-251473
p.lo 4	SLU 24	0	0	-2030690	-5540	-17004	-1775940	6406	18987	-250057
p.lo 4	SLU 25	0	0	-2053379	-5353	-16966	-1794424	6217	19876	-253780
p.lo 4	SLU 26	0	0	-2053379	-5522	-17108	-1796211	6394	19309	-252364
p.lo 4	SLU 27	0	0	-1339802	-3391	-9820	-1153041	3927	12403	-183320
p.lo 4	SLU 28	0	0	-1339802	-3673	-10057	-1156020	4222	11459	-180960
p.lo 4	SLU 29	0	0	-1362492	-3655	-10162	-1176292	4211	11781	-183267
p.lo 4	SLU 30	0	0	-1385181	-3355	-10029	-1193585	3904	13047	-187935
p.lo 4	SLU 31	0	0	-1385181	-3524	-10171	-1195372	4081	12480	-186518
p.lo 4	SLU 32	0	0	-1686738	-4394	-14191	-1462536	5112	15836	-220401
p.lo 4	SLU 33	0	0	-1709427	-4376	-14296	-1482808	5101	16158	-222708
p.lo 4	SLU 34	0	0	-1732116	-4075	-14163	-1500101	4794	17424	-227376
p.lo 4	SLU 35	0	0	-1732116	-4245	-14305	-1501888	4971	16857	-225960
p.lo 4	SLU 36	0	0	-1835424	-4420	-15726	-1590921	5198	18656	-239666
p.lo 4	SLU 37	0	0	-1835424	-4589	-15868	-1592709	5376	18089	-238249
p.lo 4	SLU 38	0	0	-1858113	-4402	-15830	-1611193	5187	18978	-241973
p.lo 4	SLU 39	0	0	-1858113	-4571	-15972	-1612980	5364	18411	-240556
p.lo 4	SLU 40	0	0	-1738976	-4762	-12512	-1508588	5460	15378	-226140
p.lo 4	SLU 41	0	0	-1738976	-5045	-12750	-1511567	5755	14434	-223779
p.lo 4	SLU 42	0	0	-1761666	-5027	-12854	-1531839	5743	14756	-226086
p.lo 4	SLU 43	0	0	-1784355	-4726	-12721	-1549132	5436	16022	-230754
p.lo 4	SLU 44	0	0	-1784355	-4896	-12863	-1550919	5613	15456	-229337
p.lo 4	SLU 45	0	0	-2085912	-5765	-16883	-1818083	6645	18811	-263220
p.lo 4	SLU 46	0	0	-2108601	-5747	-16988	-1838355	6633	19133	-265528
p.lo 4	SLU 47	0	0	-2131290	-5447	-16855	-1855648	6326	20399	-270195
p.lo 4	SLU 48	0	0	-2131290	-5616	-16997	-1857435	6503	19832	-268779
p.lo 4	SLU 49	0	0	-2234598	-5791	-18418	-1946468	6731	21631	-282485
p.lo 4	SLU 50	0	0	-2234598	-5961	-18560	-1948255	6908	21065	-281068
p.lo 4	SLU 51	0	0	-2257287	-5773	-18522	-1966740	6719	21953	-284792
p.lo 4	SLU 52	0	0	-2257287	-5943	-18664	-1968527	6896	21387	-283375
p.lo 4	SLE RA 1	0	0	-1249944	-3362	-9033	-1082310	3863	11176	-164543
p.lo 4	SLE RA 2	0	0	-1249944	-3550	-9191	-1084296	4060	10546	-162969
p.lo 4	SLE RA 3	0	0	-1265070	-3538	-9261	-1097811	4052	10761	-164507
p.lo 4	SLE RA 4	0	0	-1280196	-3338	-9172	-1109339	3847	11605	-167619
p.lo 4	SLE RA 5	0	0	-1280196	-3451	-9267	-1110531	3965	11227	-166675
p.lo 4	SLE RA 6	0	0	-1481234	-4031	-11947	-1288640	4653	13464	-189263
p.lo 4	SLE RA 7	0	0	-1496360	-4019	-12017	-1302155	4645	13679	-190801
p.lo 4	SLE RA 8	0	0	-1511486	-3818	-11928	-1313683	4441	14523	-193913
p.lo 4	SLE RA 9	0	0	-1511486	-3931	-12023	-1314875	4559	14145	-192969
p.lo 4	SLE RA 10	0	0	-1580358	-4048	-12970	-1374230	4710	15344	-202106
p.lo 4	SLE RA 11	0	0	-1580358	-4161	-13065	-1375422	4828	14966	-201162
p.lo 4	SLE RA 12	0	0	-1595484	-4036	-13040	-1387745	4703	15559	-203644
p.lo 4	SLE RA 13	0	0	-1595484	-4149	-13135	-1388936	4821	15181	-202700
p.lo 4	SLE FR 1	0	0	-1249944	-3362	-9033	-1082310	3863	11176	-164543
p.lo 4	SLE FR 2	0	0	-1249944	-3456	-9112	-1083303	3961	10861	-163756
p.lo 4	SLE FR 3	0	0	-1255994	-3357	-9061	-1087716	3860	11261	-165158
p.lo 4	SLE FR 4	0	0	-1349068	-3662	-10293	-1170879	4215	12111	-175025
p.lo 4	SLE FR 5	0	0	-1355118	-3563	-10242	-1175292	4114	12512	-176427
p.lo 4	SLE FR 6	0	0	-1415151	-3705	-11002	-1228270	4287	13260	-183324
p.lo 4	SLE QP 1	0	0	-1249944	-3362	-9033	-1082310	3863	11176	-164543
p.lo 4	SLE QP 2	0	0	-1349068	-3568	-10214	-1169886	4117	12426	-175812
p.lo 4	SLD 1	-39736	-11735	-1344212	-22394	-13703	-1164324	-15892	6279	-175570
p.lo 4	SLD 2	-39736	-11735	-1344212	-22394	-13703	-1164324	-15892	6279	-175570
p.lo 4	SLD 3	-39540	8954	-1343690	-25075	-4654	-1160751	-12659	13339	-180774
p.lo 4	SLD 4	-39540	8954	-1343690	-25075	-4654	-1160751	-12659	13339	-180774
p.lo 4	SLD 5	-12219	-34898	-1348402	-5149	-24985	-1173637	-6789	-125	-167847
p.lo 4	SLD 6	-12219	-34898	-1348402	-5149	-24985	-1173637	-6789	-125	-167847
p.lo 4	SLD 7	-11564	34064	-1346663	-14086	5178	-1161726	3988	23407	-185192
p.lo 4	SLD 8	-11564	34064	-1346663	-14086	5178	-1161726	3988	23407	-185192
p.lo 4	SLD 9	11564	-34064	-1351473	6950	-25607	-1178046	4246	1445	-166431
p.lo 4	SLD 10	11564	-34064	-1351473	6950	-25607	-1178046	4246	1445	-166431
p.lo 4	SLD 11	12219	34898	-1349734	-1986	4557	-1166135	15023	24978	-183776
p.lo 4	SLD 12	12219	34898	-1349734	-1986	4557	-1166135	15023	24978	-183776
p.lo 4	SLD 13	39540	-8954	-1354446	17939	-15775	-1179022	20893	11514	-170850
p.lo 4	SLD 14	39540	-8954	-1354446	17939	-15775	-1179022	20893	11514	-170850
p.lo 4	SLD 15	39736	11735	-1353924	15258	-6726	-1175448	24126	18573	-176053
p.lo 4	SLD 16	39736	11735	-1353924	15258	-6726	-1175448	24126	18573	-176053
p.lo 4	SLV 1	-97386	-30251	-1335972	-51230	-19266	-1157076	-43308	-3341	-173071

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
p.lo 4	SLV 2	-97386	-30251	-1335972	-51230	-19266	-1157076	-43308	-3341	-173071
p.lo 4	SLV 3	-97436	21399	-1334353	-57838	3611	-1148093	-35848	13798	-185899
p.lo 4	SLV 4	-97436	21399	-1334353	-57838	3611	-1148093	-35848	13798	-185899
p.lo 4	SLV 5	-29140	-87411	-1347594	-7845	-47628	-1179667	-21425	-18299	-155535
p.lo 4	SLV 6	-29140	-87411	-1347594	-7845	-47628	-1179667	-21425	-18299	-155535
p.lo 4	SLV 7	-29306	84755	-1342198	-29870	28631	-1149724	3443	38833	-198293
p.lo 4	SLV 8	-29306	84755	-1342198	-29870	28631	-1149724	3443	38833	-198293
p.lo 4	SLV 9	29306	-84755	-1355938	22735	-49060	-1190048	4792	-13980	-153331
p.lo 4	SLV 10	29306	-84755	-1355938	22735	-49060	-1190048	4792	-13980	-153331
p.lo 4	SLV 11	29140	87411	-1350541	710	27199	-1160105	29660	43151	-196089
p.lo 4	SLV 12	29140	87411	-1350541	710	27199	-1160105	29660	43151	-196089
p.lo 4	SLV 13	97436	-21399	-1363783	50702	-24040	-1191680	44082	11054	-165725
p.lo 4	SLV 14	97436	-21399	-1363783	50702	-24040	-1191680	44082	11054	-165725
p.lo 4	SLV 15	97386	30251	-1362164	44095	-1162	-1182697	51542	28194	-178552
p.lo 4	SLV 16	97386	30251	-1362164	44095	-1162	-1182697	51542	28194	-178552
p.lo 4	CRTFP Ux+	1	0	0	1	0	0	0	0	0
p.lo 4	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
p.lo 4	CRTFP Uy+	0	1	0	0	0	0	0	0	-1
p.lo 4	CRTFP Uy-	0	-1	0	0	0	0	0	0	1
p.lo 4	CRTFP Rz+	0	0	0	0	0	0	0	0	0
p.lo 4	CRTFP Rz-	0	0	0	0	0	0	0	0	0
Piano 4	Pesi	0	0	-416467	-1080	-3477	-353508	1051	4317	-62141
Piano 4	Port.	0	0	-310652	-1004	-2464	-280441	1089	2702	-29469
Piano 4	Accidentali	0	0	-182579	-633	-2412	-164568	543	2592	-17153
Piano 4	neve	0	0	-30252	-26	-313	-27686	27	439	-2628
Piano 4	ΔT	0	0	0	-358	736	-1023	359	-715	1013
Piano 4	SLV X	84707	242	-752	42869	34	-2373	40263	5506	-824
Piano 4	SLV Y	2210	67379	18264	-9072	33970	20020	12207	23307	2856
Piano 4	X SLD	35754	232	-210	17125	83	-1278	18009	2298	79
Piano 4	Y SLD	1542	27890	9166	-3565	13892	8077	5472	9961	2930
Piano 4	Rig Ux	1	0	0	1	0	0	0	0	0
Piano 4	Rig Uy	0	1	0	0	1	1	0	0	0
Piano 4	Rig Rz	0	0	0	0	0	0	0	0	0
Piano 4	SLU 1	0	0	-664989	-1883	-5449	-577861	1922	6478	-85717
Piano 4	SLU 2	0	0	-664989	-2421	-4345	-579395	2460	5405	-84197
Piano 4	SLU 3	0	0	-687678	-2440	-4580	-600159	2481	5735	-86169
Piano 4	SLU 4	0	0	-710367	-1922	-5919	-619389	1963	7137	-89660
Piano 4	SLU 5	0	0	-710367	-2244	-5256	-620310	2286	6493	-88748
Piano 4	SLU 6	0	0	-856697	-3085	-6877	-752191	3031	8127	-102209
Piano 4	SLU 7	0	0	-879386	-3104	-7112	-772955	3051	8457	-104180
Piano 4	SLU 8	0	0	-902075	-2586	-8451	-792186	2534	9859	-107671
Piano 4	SLU 9	0	0	-902075	-2908	-7788	-793106	2857	9215	-106759
Piano 4	SLU 10	0	0	-938858	-2832	-9066	-824713	2737	10367	-111447
Piano 4	SLU 11	0	0	-938858	-3155	-8404	-825633	3060	9723	-110536
Piano 4	SLU 12	0	0	-961547	-2852	-9301	-845477	2757	10696	-113419
Piano 4	SLU 13	0	0	-961547	-3174	-8639	-846398	3080	10052	-112507
Piano 4	SLU 14	0	0	-882445	-2586	-7174	-774169	2684	8369	-106346
Piano 4	SLU 15	0	0	-882445	-3123	-6070	-775703	3223	7296	-104826
Piano 4	SLU 16	0	0	-905134	-3143	-6305	-796468	3243	7626	-106797
Piano 4	SLU 17	0	0	-927824	-2625	-7644	-815698	2726	9028	-110288
Piano 4	SLU 18	0	0	-927824	-2947	-6981	-816618	3049	8384	-109376
Piano 4	SLU 19	0	0	-1074153	-3787	-8602	-948500	3793	10018	-122837
Piano 4	SLU 20	0	0	-1096843	-3807	-8837	-969264	3813	10348	-124809
Piano 4	SLU 21	0	0	-1119532	-3289	-10176	-988495	3296	11750	-128299
Piano 4	SLU 22	0	0	-1119532	-3611	-9514	-989415	3619	11106	-127388
Piano 4	SLU 23	0	0	-1156314	-3535	-10791	-1021022	3499	12258	-132076
Piano 4	SLU 24	0	0	-1156314	-3857	-10129	-1021942	3822	11614	-131164
Piano 4	SLU 25	0	0	-1179003	-3554	-11026	-1041786	3520	12587	-134047
Piano 4	SLU 26	0	0	-1179003	-3876	-10364	-1042706	3843	11943	-133135
Piano 4	SLU 27	0	0	-789929	-2208	-6492	-683913	2238	7773	-104359
Piano 4	SLU 28	0	0	-789929	-2745	-5388	-685447	2776	6700	-102840
Piano 4	SLU 29	0	0	-812618	-2764	-5623	-706211	2796	7030	-104811
Piano 4	SLU 30	0	0	-835307	-2246	-6962	-725442	2279	8432	-108302
Piano 4	SLU 31	0	0	-835307	-2568	-6300	-726362	2602	7788	-107390
Piano 4	SLU 32	0	0	-981637	-3409	-7920	-858244	3346	9422	-120851
Piano 4	SLU 33	0	0	-1004326	-3428	-8155	-879008	3367	9752	-122822
Piano 4	SLU 34	0	0	-1027016	-2910	-9494	-898238	2849	11154	-126313
Piano 4	SLU 35	0	0	-1027016	-3233	-8832	-899158	3172	10510	-125401
Piano 4	SLU 36	0	0	-1063798	-3156	-10109	-930765	3052	11662	-130090
Piano 4	SLU 37	0	0	-1063798	-3479	-9447	-931686	3375	11018	-129178
Piano 4	SLU 38	0	0	-1086487	-3176	-10344	-951530	3073	11991	-132061
Piano 4	SLU 39	0	0	-1086487	-3498	-9682	-952450	3396	11347	-131149
Piano 4	SLU 40	0	0	-1007385	-2910	-8217	-880222	3000	9664	-124988
Piano 4	SLU 41	0	0	-1007385	-3447	-7113	-881756	3538	8591	-123469
Piano 4	SLU 42	0	0	-1030075	-3467	-7348	-902520	3559	8921	-125440
Piano 4	SLU 43	0	0	-1052764	-2949	-8687	-921750	3041	10323	-128931
Piano 4	SLU 44	0	0	-1052764	-3271	-8025	-922671	3364	9679	-128019
Piano 4	SLU 45	0	0	-1199094	-4112	-9645	-1054552	4108	11313	-141480
Piano 4	SLU 46	0	0	-1221783	-4131	-9880	-1075317	4129	11643	-143451
Piano 4	SLU 47	0	0	-1244472	-3613	-11219	-1094547	3611	13045	-146942
Piano 4	SLU 48	0	0	-1244472	-3935	-10557	-1095467	3934	12401	-146030
Piano 4	SLU 49	0	0	-1281254	-3859	-11835	-1127074	3814	13553	-150718
Piano 4	SLU 50	0	0	-1281254	-4181	-11172	-1127994	4137	12909	-149807
Piano 4	SLU 51	0	0	-1303943	-3878	-12070	-1147838	3835	13882	-152690
Piano 4	SLU 52	0	0	-1303943	-4201	-11407	-1148759	4158	13238	-151778
Piano 4	SLE RA 1	0	0	-727119	-2084	-5942	-633949	2140	7018	-91611
Piano 4	SLE RA 2	0	0	-727119	-2442	-5206	-634971	2499	6303	-90598
Piano 4	SLE RA 3	0	0	-742245	-2455	-5362	-648814	2513	6523	-91912
Piano 4	SLE RA 4	0	0	-757371	-2110	-6255	-661635	2167	7458	-94239
Piano 4	SLE RA 5	0	0	-757371	-2325	-5813	-662248	2383	7028	-93631
Piano 4	SLE RA 6	0	0	-854925	-2885	-6894	-750169	2879	8118	-102605
Piano 4	SLE RA 7	0	0	-870051	-2898	-7050	-764012	2893	8337	-103920
Piano 4	SLE RA 8	0	0	-885177	-2553	-7943	-776832	2548	9272	-106247
Piano 4	SLE RA 9	0	0	-885177	-2768	-7501	-777446	2763	8843	-105639
Piano 4	SLE RA 10	0	0	-909698	-2717	-8353	-798517	2683	9611	-108764
Piano 4	SLE RA 11	0	0	-909698	-2932	-7912	-799131	2898	9182	-108157
Piano 4	SLE RA 12	0	0	-924825	-2730	-8510	-812360	2697	9830	-110079
Piano 4	SLE RA 13	0	0	-924825	-2944	-8068	-812974	2912	9401	-109471

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Piano 4	SLE FR 1	0	0	-727119	-2084	-5942	-633949	2140	7018	-91611
Piano 4	SLE FR 2	0	0	-727119	-2263	-5574	-634460	2319	6661	-91104
Piano 4	SLE FR 3	0	0	-733170	-2089	-6004	-639486	2145	7106	-92137
Piano 4	SLE FR 4	0	0	-781893	-2453	-6297	-683831	2482	7438	-96250
Piano 4	SLE FR 5	0	0	-787943	-2279	-6728	-688857	2308	7884	-97283
Piano 4	SLE FR 6	0	0	-818409	-2400	-7148	-716233	2411	8315	-100188
Piano 4	SLE QP 1	0	0	-727119	-2084	-5942	-633949	2140	7018	-91611
Piano 4	SLE QP 2	0	0	-781893	-2274	-6665	-683319	2303	7796	-96757
Piano 4	SLD 1	-36217	-8599	-784433	-18329	-10915	-684465	-17348	2510	-97715
Piano 4	SLD 2	-36217	-8599	-784433	-18329	-10915	-684465	-17348	2510	-97715
Piano 4	SLD 3	-35292	8135	-778933	-20468	-2580	-679618	-14065	8487	-95957
Piano 4	SLD 4	-35292	8135	-778933	-20468	-2580	-679618	-14065	8487	-95957
Piano 4	SLD 5	-12268	-27959	-790996	-3847	-20582	-691013	-8572	-2854	-99711
Piano 4	SLD 6	-12268	-27959	-790996	-3847	-20582	-691013	-8572	-2854	-99711
Piano 4	SLD 7	-9184	27820	-772664	-10976	7202	-674859	2372	17068	-93850
Piano 4	SLD 8	-9184	27820	-772664	-10976	7202	-674859	2372	17068	-93850
Piano 4	SLD 9	9184	-27820	-791122	6428	-20533	-691780	2234	-1475	-99664
Piano 4	SLD 10	9184	-27820	-791122	6428	-20533	-691780	2234	-1475	-99664
Piano 4	SLD 11	12268	27959	-772790	-701	7252	-675625	13177	18446	-93803
Piano 4	SLD 12	12268	27959	-772790	-701	7252	-675625	13177	18446	-93803
Piano 4	SLD 13	35292	-8135	-784852	15920	-10750	-687021	18671	7106	-97557
Piano 4	SLD 14	35292	-8135	-784852	15920	-10750	-687021	18671	7106	-97557
Piano 4	SLD 15	36217	8599	-779353	13781	-2415	-682174	21954	13082	-95799
Piano 4	SLD 16	36217	8599	-779353	13781	-2415	-682174	21954	13082	-95799
Piano 4	SLV 1	-85370	-20456	-786620	-42422	-16890	-686953	-41623	-4702	-96790
Piano 4	SLV 2	-85370	-20456	-786620	-42422	-16890	-686953	-41623	-4702	-96790
Piano 4	SLV 3	-84044	19972	-775662	-47865	3492	-674941	-34298	9282	-95076
Piano 4	SLV 4	-84044	19972	-775662	-47865	3492	-674941	-34298	9282	-95076
Piano 4	SLV 5	-27622	-67452	-799931	-6063	-40645	-702627	-21984	-17163	-99365
Piano 4	SLV 6	-27622	-67452	-799931	-6063	-40645	-702627	-21984	-17163	-99365
Piano 4	SLV 7	-23202	67307	-763404	-24206	27295	-662588	2431	29452	-93654
Piano 4	SLV 8	-23202	67307	-763404	-24206	27295	-662588	2431	29452	-93654
Piano 4	SLV 9	23202	-67307	-800382	19658	-40625	-704051	2174	-13859	-99860
Piano 4	SLV 10	23202	-67307	-800382	19658	-40625	-704051	2174	-13859	-99860
Piano 4	SLV 11	27622	67452	-763855	1515	27315	-664011	26589	32755	-94149
Piano 4	SLV 12	27622	67452	-763855	1515	27315	-664011	26589	32755	-94149
Piano 4	SLV 13	84044	-19972	-788124	43317	-16823	-691698	38904	6310	-98438
Piano 4	SLV 14	84044	-19972	-788124	43317	-16823	-691698	38904	6310	-98438
Piano 4	SLV 15	85370	20456	-777166	37874	3559	-679686	46228	20294	-96724
Piano 4	SLV 16	85370	20456	-777166	37874	3559	-679686	46228	20294	-96724
Piano 4	CRTFP Ux+	1	0	0	1	0	0	0	0	0
Piano 4	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
Piano 4	CRTFP Uy+	0	1	0	0	1	1	0	0	0
Piano 4	CRTFP Uy-	0	-1	0	0	-1	-1	0	0	0
Piano 4	CRTFP Rz+	0	0	0	0	0	0	0	0	0
Piano 4	CRTFP Rz-	0	0	0	0	0	0	0	0	0
p.lo 5	Pesi	0	0	-389483	-874	-3077	-335138	1051	4317	-53151
p.lo 5	Port.	0	0	-308075	-931	-2284	-277888	1089	2702	-29469
p.lo 5	Accidentali	0	0	-179583	-414	-2206	-161809	543	2592	-17153
p.lo 5	neve	0	0	-30252	-25	-288	-27544	27	439	-2628
p.lo 5	ΔT	0	0	0	-362	423	-1161	359	-715	1013
p.lo 5	SLV X	72362	-2432	-11776	42105	709	-8151	28815	2712	-863
p.lo 5	SLV Y	-4247	69809	10933	-7611	33427	10649	4150	26018	-4639
p.lo 5	X SLD	30483	-1154	-4839	16805	343	-3652	13110	885	-63
p.lo 5	Y SLD	-1771	29464	5492	-3019	13675	4339	1558	11624	-826
p.lo 5	Rig Ux	1	0	0	1	0	0	0	0	0
p.lo 5	Rig Uy	0	1	0	0	0	0	0	0	0
p.lo 5	Rig Rz	0	0	0	0	0	0	0	0	0
p.lo 5	SLU 1	0	0	-635943	-1619	-4904	-557449	1922	6478	-76727
p.lo 5	SLU 2	0	0	-635943	-2162	-4270	-559190	2460	5405	-75207
p.lo 5	SLU 3	0	0	-658632	-2180	-4486	-579849	2481	5735	-77179
p.lo 5	SLU 4	0	0	-681321	-1656	-5337	-598765	1963	7137	-80670
p.lo 5	SLU 5	0	0	-681321	-1982	-4956	-599810	2286	6493	-79758
p.lo 5	SLU 6	0	0	-824505	-2597	-6586	-729089	3031	8127	-93219
p.lo 5	SLU 7	0	0	-847194	-2615	-6802	-749748	3051	8457	-95190
p.lo 5	SLU 8	0	0	-869883	-2091	-7653	-768664	2534	9859	-98681
p.lo 5	SLU 9	0	0	-869883	-2417	-7272	-769709	2857	9215	-97769
p.lo 5	SLU 10	0	0	-905317	-2240	-8213	-800162	2737	10367	-102457
p.lo 5	SLU 11	0	0	-905317	-2566	-7832	-801207	3060	9723	-101546
p.lo 5	SLU 12	0	0	-928006	-2259	-8429	-820820	2757	10696	-104429
p.lo 5	SLU 13	0	0	-928006	-2585	-8049	-821865	3080	10052	-103517
p.lo 5	SLU 14	0	0	-851596	-2271	-6503	-751971	2684	8369	-97356
p.lo 5	SLU 15	0	0	-851596	-2813	-5869	-753712	3223	7296	-95836
p.lo 5	SLU 16	0	0	-874285	-2832	-6085	-774370	3243	7626	-97807
p.lo 5	SLU 17	0	0	-896974	-2308	-6935	-793287	2726	9028	-101298
p.lo 5	SLU 18	0	0	-896974	-2634	-6555	-794332	3049	8384	-100386
p.lo 5	SLU 19	0	0	-1040157	-3248	-8185	-923611	3793	10018	-113847
p.lo 5	SLU 20	0	0	-1062847	-3267	-8401	-944270	3813	10348	-115819
p.lo 5	SLU 21	0	0	-1085536	-2743	-9251	-963186	3296	11750	-119309
p.lo 5	SLU 22	0	0	-1085536	-3069	-8871	-964231	3619	11106	-118398
p.lo 5	SLU 23	0	0	-1120969	-2892	-9811	-994684	3499	12258	-123086
p.lo 5	SLU 24	0	0	-1120969	-3217	-9431	-995729	3822	11614	-122174
p.lo 5	SLU 25	0	0	-1143659	-2910	-10027	-1015342	3520	12587	-125057
p.lo 5	SLU 26	0	0	-1143659	-3236	-9647	-1016387	3843	11943	-124145
p.lo 5	SLU 27	0	0	-752788	-1881	-5827	-657991	2238	7773	-92672
p.lo 5	SLU 28	0	0	-752788	-2424	-5193	-659732	2776	6700	-91153
p.lo 5	SLU 29	0	0	-775477	-2443	-5410	-680390	2796	7030	-93124
p.lo 5	SLU 30	0	0	-798166	-1919	-6260	-699307	2279	8432	-96615
p.lo 5	SLU 31	0	0	-798166	-2244	-5879	-700352	2602	7788	-95703
p.lo 5	SLU 32	0	0	-941349	-2859	-7509	-829631	3346	9422	-109164
p.lo 5	SLU 33	0	0	-964039	-2878	-7726	-850289	3367	9752	-111135
p.lo 5	SLU 34	0	0	-986728	-2353	-8576	-869206	2849	11154	-114626
p.lo 5	SLU 35	0	0	-986728	-2679	-8195	-870251	3172	10510	-113714
p.lo 5	SLU 36	0	0	-1022162	-2502	-9136	-900704	3052	11662	-118403
p.lo 5	SLU 37	0	0	-1022162	-2828	-8756	-901748	3375	11018	-117491
p.lo 5	SLU 38	0	0	-1044851	-2521	-9352	-921362	3073	11991	-120374
p.lo 5	SLU 39	0	0	-1044851	-2847	-8972	-922407	3396	11347	-119462
p.lo 5	SLU 40	0	0	-968440	-2533	-7426	-852513	3000	9664	-113301

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
p.lo 5	SLU 41	0	0	-968440	-3076	-6792	-854254	3538	8591	-111782
p.lo 5	SLU 42	0	0	-991130	-3094	-7008	-874912	3559	8921	-113753
p.lo 5	SLU 43	0	0	-1013819	-2570	-7858	-893829	3041	10323	-117244
p.lo 5	SLU 44	0	0	-1013819	-2896	-7478	-894874	3364	9679	-116332
p.lo 5	SLU 45	0	0	-1157002	-3511	-9108	-1024153	4108	11313	-129793
p.lo 5	SLU 46	0	0	-1179691	-3529	-9324	-1044811	4129	11643	-131764
p.lo 5	SLU 47	0	0	-1202381	-3005	-10174	-1063728	3611	13045	-135255
p.lo 5	SLU 48	0	0	-1202381	-3331	-9794	-1064773	3934	12401	-134343
p.lo 5	SLU 49	0	0	-1237814	-3154	-10734	-1095226	3814	13553	-139031
p.lo 5	SLU 50	0	0	-1237814	-3480	-10354	-1096270	4137	12909	-138120
p.lo 5	SLU 51	0	0	-1260504	-3173	-10951	-1115884	3835	13882	-141003
p.lo 5	SLU 52	0	0	-1260504	-3498	-10570	-1116928	4158	13238	-140091
p.lo 5	SLE RA 1	0	0	-697558	-1805	-5361	-613027	2140	7018	-82621
p.lo 5	SLE RA 2	0	0	-697558	-2167	-4938	-614188	2499	6303	-81608
p.lo 5	SLE RA 3	0	0	-712684	-2179	-5082	-627960	2513	6523	-82922
p.lo 5	SLE RA 4	0	0	-727810	-1830	-5649	-640571	2167	7458	-85249
p.lo 5	SLE RA 5	0	0	-727810	-2047	-5396	-641268	2383	7028	-84641
p.lo 5	SLE RA 6	0	0	-823266	-2457	-6482	-727454	2879	8118	-93615
p.lo 5	SLE RA 7	0	0	-838392	-2469	-6626	-741226	2893	8337	-94930
p.lo 5	SLE RA 8	0	0	-853518	-2120	-7193	-753837	2548	9272	-97257
p.lo 5	SLE RA 9	0	0	-853518	-2337	-6940	-754534	2763	8843	-96649
p.lo 5	SLE RA 10	0	0	-877141	-2219	-7567	-774836	2683	9611	-99774
p.lo 5	SLE RA 11	0	0	-877141	-2436	-7313	-775532	2898	9182	-99167
p.lo 5	SLE RA 12	0	0	-892267	-2232	-7711	-788608	2697	9830	-101089
p.lo 5	SLE RA 13	0	0	-892267	-2449	-7457	-789304	2912	9401	-100481
p.lo 5	SLE FR 1	0	0	-697558	-1805	-5361	-613027	2140	7018	-82621
p.lo 5	SLE FR 2	0	0	-697558	-1986	-5150	-613607	2319	6661	-82114
p.lo 5	SLE FR 3	0	0	-703608	-1810	-5419	-618536	2145	7106	-83147
p.lo 5	SLE FR 4	0	0	-751433	-2110	-5811	-662150	2482	7438	-87260
p.lo 5	SLE FR 5	0	0	-757483	-1934	-6080	-667078	2308	7884	-88293
p.lo 5	SLE FR 6	0	0	-787349	-2012	-6464	-693931	2411	8315	-91198
p.lo 5	SLE QP 1	0	0	-697558	-1805	-5361	-613027	2140	7018	-82621
p.lo 5	SLE QP 2	0	0	-751433	-1929	-6023	-661569	2303	7796	-87767
p.lo 5	SLD 1	-29952	-7686	-748242	-17829	-10468	-659220	-11275	3424	-87456
p.lo 5	SLD 2	-29952	-7686	-748242	-17829	-10468	-659220	-11275	3424	-87456
p.lo 5	SLD 3	-31014	9993	-744946	-19640	-2263	-656616	-10340	10398	-87952
p.lo 5	SLD 4	-31014	9993	-744946	-19640	-2263	-656616	-10340	10398	-87952
p.lo 5	SLD 5	-7374	-29118	-755474	-3952	-19800	-664813	-3188	-4093	-86922
p.lo 5	SLD 6	-7374	-29118	-755474	-3952	-19800	-664813	-3188	-4093	-86922
p.lo 5	SLD 7	-10916	29810	-744489	-9990	7550	-656134	-73	19154	-88574
p.lo 5	SLD 8	-10916	29810	-744489	-9990	7550	-656134	-73	19154	-88574
p.lo 5	SLD 9	10916	-29810	-758377	6131	-19595	-667004	4678	-3562	-86960
p.lo 5	SLD 10	10916	-29810	-758377	6131	-19595	-667004	4678	-3562	-86960
p.lo 5	SLD 11	7374	29118	-747392	94	7755	-658325	7793	19685	-88612
p.lo 5	SLD 12	7374	29118	-747392	94	7755	-658325	7793	19685	-88612
p.lo 5	SLD 13	31014	-9993	-757920	15781	-9783	-666523	14946	5194	-87582
p.lo 5	SLD 14	31014	-9993	-757920	15781	-9783	-666523	14946	5194	-87582
p.lo 5	SLD 15	29952	7686	-754624	13970	-1578	-663919	15880	12168	-88078
p.lo 5	SLD 16	29952	7686	-754624	13970	-1578	-663919	15880	12168	-88078
p.lo 5	SLV 1	-71087	-18511	-742936	-41751	-16759	-656614	-27757	-2721	-85512
p.lo 5	SLV 2	-71087	-18511	-742936	-41751	-16759	-656614	-27757	-2721	-85512
p.lo 5	SLV 3	-73636	23374	-736376	-46317	3297	-650224	-25267	12890	-88295
p.lo 5	SLV 4	-73636	23374	-736376	-46317	3297	-650224	-25267	12890	-88295
p.lo 5	SLV 5	-17461	-69079	-758833	-6950	-39662	-669774	-10492	-19036	-82869
p.lo 5	SLV 6	-17461	-69079	-758833	-6950	-39662	-669774	-10492	-19036	-82869
p.lo 5	SLV 7	-25956	70539	-736966	-22171	27192	-648475	-2192	33001	-92147
p.lo 5	SLV 8	-25956	70539	-736966	-22171	27192	-648475	-2192	33001	-92147
p.lo 5	SLV 9	25956	-70539	-765899	18313	-39237	-674664	6797	-17409	-83387
p.lo 5	SLV 10	25956	-70539	-765899	18313	-39237	-674664	6797	-17409	-83387
p.lo 5	SLV 11	17461	69079	-744032	3091	27617	-653365	15097	34628	-92665
p.lo 5	SLV 12	17461	69079	-744032	3091	27617	-653365	15097	34628	-92665
p.lo 5	SLV 13	73636	-23374	-766489	42459	-15342	-672915	29873	2702	-87239
p.lo 5	SLV 14	73636	-23374	-766489	42459	-15342	-672915	29873	2702	-87239
p.lo 5	SLV 15	71087	18511	-759929	37892	4714	-666525	32363	18313	-90022
p.lo 5	SLV 16	71087	18511	-759929	37892	4714	-666525	32363	18313	-90022
p.lo 5	CRTFP Ux+	1	0	0	1	0	0	0	0	0
p.lo 5	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
p.lo 5	CRTFP Uy+	0	1	0	0	0	0	0	0	0
p.lo 5	CRTFP Uy-	0	-1	0	0	0	0	0	0	0
p.lo 5	CRTFP Rz+	0	0	0	0	0	0	0	0	0
p.lo 5	CRTFP Rz-	0	0	0	0	0	0	0	0	0
Piano 5	Pesi	0	0	-213361	-215	-3428	-180591	212	4432	-32085
Piano 5	Port.	0	0	-143614	-729	-2375	-128294	834	2789	-14707
Piano 5	Accidentali	0	0	-109838	-161	-2638	-99207	97	2938	-9871
Piano 5	neve	0	0	-16955	-14	-234	-15509	14	370	-1514
Piano 5	ΔT	0	0	0	-220	292	-489	223	-261	474
Piano 5	SLV X	32142	10720	3858	30286	-3908	-1511	308	19609	3046
Piano 5	SLV Y	-3123	21990	13219	-4018	24148	11788	1800	-11342	5659
Piano 5	X SLD	12522	5517	1387	12165	-1605	-773	-256	9204	1190
Piano 5	Y SLD	-1202	8406	6781	-1581	9897	4868	737	-5246	3644
Piano 5	Rig Ux	1	0	0	1	0	0	0	0	0
Piano 5	Rig Uy	0	1	0	0	1	0	0	0	0
Piano 5	Rig Rz	0	0	0	0	0	0	0	0	0
Piano 5	SLU 1	0	0	-328252	-799	-5328	-283227	879	6663	-43851
Piano 5	SLU 2	0	0	-328252	-1128	-4890	-283959	1214	6272	-43140
Piano 5	SLU 3	0	0	-340968	-1139	-5066	-295591	1224	6549	-44275
Piano 5	SLU 4	0	0	-353684	-820	-5679	-306490	900	7218	-46122
Piano 5	SLU 5	0	0	-353684	-1018	-5416	-306929	1101	6983	-45696
Piano 5	SLU 6	0	0	-443582	-1297	-7661	-388127	1316	9357	-53504
Piano 5	SLU 7	0	0	-456298	-1308	-7836	-399758	1326	9635	-54640
Piano 5	SLU 8	0	0	-469014	-989	-8449	-410657	1002	10303	-56487
Piano 5	SLU 9	0	0	-469014	-1187	-8187	-411097	1203	10069	-56060
Piano 5	SLU 10	0	0	-493009	-1040	-9286	-432037	1024	11071	-58658
Piano 5	SLU 11	0	0	-493009	-1237	-9023	-432477	1225	10836	-58231
Piano 5	SLU 12	0	0	-505725	-1051	-9461	-443669	1035	11348	-59793
Piano 5	SLU 13	0	0	-505725	-1248	-9199	-444108	1236	11113	-59367
Piano 5	SLU 14	0	0	-428782	-1309	-6990	-373033	1463	8615	-54146
Piano 5	SLU 15	0	0	-428782	-1639	-6553	-373765	1798	8224	-53434

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Piano 5	SLU 16	0	0	-441498	-1649	-6728	-385397	1808	8501	-54570
Piano 5	SLU 17	0	0	-454214	-1331	-7341	-396296	1484	9170	-56417
Piano 5	SLU 18	0	0	-454214	-1528	-7079	-396735	1685	8935	-55990
Piano 5	SLU 19	0	0	-544111	-1807	-9323	-477933	1900	11309	-63799
Piano 5	SLU 20	0	0	-556827	-1818	-9498	-489564	1910	11587	-64935
Piano 5	SLU 21	0	0	-569543	-1499	-10112	-500463	1586	12255	-66782
Piano 5	SLU 22	0	0	-569543	-1697	-9849	-500903	1786	12021	-66355
Piano 5	SLU 23	0	0	-593538	-1550	-10948	-521843	1608	13023	-68952
Piano 5	SLU 24	0	0	-593538	-1748	-10685	-522283	1809	12788	-68526
Piano 5	SLU 25	0	0	-606254	-1561	-11123	-533475	1619	13300	-70088
Piano 5	SLU 26	0	0	-606254	-1759	-10861	-533914	1820	13066	-69661
Piano 5	SLU 27	0	0	-392260	-863	-6357	-337404	943	7993	-53476
Piano 5	SLU 28	0	0	-392260	-1193	-5919	-338137	1278	7602	-52765
Piano 5	SLU 29	0	0	-404976	-1204	-6094	-349768	1288	7879	-53901
Piano 5	SLU 30	0	0	-417692	-885	-6708	-360667	964	8548	-55748
Piano 5	SLU 31	0	0	-417692	-1082	-6445	-361107	1165	8313	-55321
Piano 5	SLU 32	0	0	-507590	-1362	-8689	-442304	1379	10687	-63130
Piano 5	SLU 33	0	0	-520306	-1372	-8865	-453936	1390	10964	-64266
Piano 5	SLU 34	0	0	-533022	-1054	-9478	-464834	1065	11633	-66113
Piano 5	SLU 35	0	0	-533022	-1251	-9215	-465274	1266	11398	-65686
Piano 5	SLU 36	0	0	-557017	-1104	-10314	-486215	1088	12400	-68283
Piano 5	SLU 37	0	0	-557017	-1302	-10052	-486654	1289	12166	-67856
Piano 5	SLU 38	0	0	-569733	-1115	-10490	-497846	1098	12678	-69419
Piano 5	SLU 39	0	0	-569733	-1313	-10227	-498286	1299	12443	-68992
Piano 5	SLU 40	0	0	-492790	-1374	-8019	-427210	1527	9945	-63771
Piano 5	SLU 41	0	0	-492790	-1703	-7581	-427943	1862	9554	-63060
Piano 5	SLU 42	0	0	-505506	-1714	-7757	-439574	1872	9831	-64196
Piano 5	SLU 43	0	0	-518222	-1395	-8370	-450473	1548	10500	-66043
Piano 5	SLU 44	0	0	-518222	-1593	-8107	-450913	1748	10265	-65616
Piano 5	SLU 45	0	0	-608119	-1872	-10351	-532110	1963	12639	-73425
Piano 5	SLU 46	0	0	-620836	-1883	-10527	-543742	1974	12916	-74561
Piano 5	SLU 47	0	0	-633552	-1564	-11140	-554640	1649	13585	-76407
Piano 5	SLU 48	0	0	-633552	-1762	-10877	-555080	1850	13350	-75981
Piano 5	SLU 49	0	0	-657547	-1615	-11976	-576021	1672	14353	-78578
Piano 5	SLU 50	0	0	-657547	-1812	-11714	-576460	1873	14118	-78151
Piano 5	SLU 51	0	0	-670263	-1626	-12152	-587652	1682	14630	-79714
Piano 5	SLU 52	0	0	-670263	-1823	-11889	-588092	1883	14395	-79287
Piano 5	SLE RA 1	0	0	-356975	-944	-5803	-308886	1046	7221	-46792
Piano 5	SLE RA 2	0	0	-356975	-1164	-5511	-309374	1269	6960	-46318
Piano 5	SLE RA 3	0	0	-365452	-1171	-5628	-317128	1276	7145	-47075
Piano 5	SLE RA 4	0	0	-373929	-959	-6037	-324394	1060	7591	-48306
Piano 5	SLE RA 5	0	0	-373929	-1091	-5862	-324687	1194	7434	-48022
Piano 5	SLE RA 6	0	0	-433861	-1277	-7358	-378819	1337	9017	-53228
Piano 5	SLE RA 7	0	0	-442338	-1284	-7475	-386573	1344	9202	-53985
Piano 5	SLE RA 8	0	0	-450816	-1071	-7884	-393839	1128	9648	-55216
Piano 5	SLE RA 9	0	0	-450816	-1203	-7709	-394132	1262	9491	-54932
Piano 5	SLE RA 10	0	0	-466812	-1105	-8441	-408093	1143	10159	-56663
Piano 5	SLE RA 11	0	0	-466812	-1237	-8266	-408386	1277	10003	-56379
Piano 5	SLE RA 12	0	0	-475290	-1112	-8558	-415847	1150	10344	-57420
Piano 5	SLE RA 13	0	0	-475290	-1244	-8383	-416140	1284	10188	-57136
Piano 5	SLE FR 1	0	0	-356975	-944	-5803	-308886	1046	7221	-46792
Piano 5	SLE FR 2	0	0	-356975	-1054	-5657	-309130	1158	7090	-46555
Piano 5	SLE FR 3	0	0	-360366	-947	-5850	-311987	1049	7295	-47095
Piano 5	SLE FR 4	0	0	-389926	-1103	-6449	-338892	1187	7972	-49516
Piano 5	SLE FR 5	0	0	-393317	-996	-6641	-341749	1078	8176	-50056
Piano 5	SLE FR 6	0	0	-411894	-1025	-7122	-358489	1095	8690	-51728
Piano 5	SLE QP 1	0	0	-356975	-944	-5803	-308886	1046	7221	-46792
Piano 5	SLE QP 2	0	0	-389926	-993	-6594	-338648	1075	8102	-49753
Piano 5	SLD 1	-12162	-8039	-393347	-12683	-7959	-339335	1110	473	-52037
Piano 5	SLD 2	-12162	-8039	-393347	-12683	-7959	-339335	1110	473	-52037
Piano 5	SLD 3	-12883	-2995	-389278	-13632	-2021	-336414	1552	-2675	-49851
Piano 5	SLD 4	-12883	-2995	-389278	-13632	-2021	-336414	1552	-2675	-49851
Piano 5	SLD 5	-2555	-10061	-397123	-3061	-16010	-343284	415	10588	-53754
Piano 5	SLD 6	-2555	-10061	-397123	-3061	-16010	-343284	415	10588	-53754
Piano 5	SLD 7	-4958	6751	-383560	-6223	3784	-333548	1889	95	-46467
Piano 5	SLD 8	-4958	6751	-383560	-6223	3784	-333548	1889	95	-46467
Piano 5	SLD 9	4958	-6751	-396291	4238	-16973	-343747	261	16110	-53040
Piano 5	SLD 10	4958	-6751	-396291	4238	-16973	-343747	261	16110	-53040
Piano 5	SLD 11	2555	10061	-382728	1076	2821	-334012	1736	5617	-45753
Piano 5	SLD 12	2555	10061	-382728	1076	2821	-334012	1736	5617	-45753
Piano 5	SLD 13	12883	2995	-390574	11646	-11168	-340881	598	18880	-49656
Piano 5	SLD 14	12883	2995	-390574	11646	-11168	-340881	598	18880	-49656
Piano 5	SLD 15	12162	8039	-386505	10698	-5230	-337960	1040	15732	-47470
Piano 5	SLD 16	12162	8039	-386505	10698	-5230	-337960	1040	15732	-47470
Piano 5	SLV 1	-31205	-17317	-397749	-30073	-9931	-340673	228	-8104	-54497
Piano 5	SLV 2	-31205	-17317	-397749	-30073	-9931	-340673	228	-8104	-54497
Piano 5	SLV 3	-33078	-4123	-389818	-32484	4558	-333601	1308	-14909	-51102
Piano 5	SLV 4	-33078	-4123	-389818	-32484	4558	-333601	1308	-14909	-51102
Piano 5	SLV 5	-6520	-25206	-404302	-6060	-29570	-349982	-817	13562	-56326
Piano 5	SLV 6	-6520	-25206	-404302	-6060	-29570	-349982	-817	13562	-56326
Piano 5	SLV 7	-12765	18774	-377865	-14097	18726	-326407	2783	-9122	-45009
Piano 5	SLV 8	-12765	18774	-377865	-14097	18726	-326407	2783	-9122	-45009
Piano 5	SLV 9	12765	-18774	-401987	12111	-31915	-350889	-632	25327	-54498
Piano 5	SLV 10	12765	-18774	-401987	12111	-31915	-350889	-632	25327	-54498
Piano 5	SLV 11	6520	25206	-375550	4075	16381	-327313	2967	2643	-43181
Piano 5	SLV 12	6520	25206	-375550	4075	16381	-327313	2967	2643	-43181
Piano 5	SLV 13	33078	4123	-390034	30498	-17747	-343695	843	31114	-48405
Piano 5	SLV 14	33078	4123	-390034	30498	-17747	-343695	843	31114	-48405
Piano 5	SLV 15	31205	17317	-382103	28088	-3258	-336622	1923	24309	-45010
Piano 5	SLV 16	31205	17317	-382103	28088	-3258	-336622	1923	24309	-45010
Piano 5	CRTFP Ux+	1	0	0	1	0	0	0	0	0
Piano 5	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
Piano 5	CRTFP Uy+	0	1	0	0	1	0	0	0	0
Piano 5	CRTFP Uy-	0	-1	0	0	-1	0	0	0	0
Piano 5	CRTFP Rz+	0	0	0	0	0	0	0	0	0
Piano 5	CRTFP Rz-	0	0	0	0	0	0	0	0	0
p.lo 6	Pesi	0	0	-194708	-72	-3118	-165944	212	4432	-27590
p.lo 6	Port.	0	0	-141037	-698	-2279	-125612	834	2789	-14707

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
p.lo 6	Accidentali	0	0	-106841	-15	-2608	-96405	97	2938	-9871
p.lo 6	neve	0	0	-16955	-12	-169	-15340	14	370	-1514
p.lo 6	ΔT	0	0	0	-222	-15	-614	223	-261	474
p.lo 6	SLV X	37654	5787	-15856	29771	-8604	-2022	6647	19640	-11360
p.lo 6	SLV Y	-1959	16690	3880	-3366	23730	3104	2076	-16120	-3532
p.lo 6	X SLD	15604	3647	-7015	11955	-3568	-938	3156	9388	-5054
p.lo 6	Y SLD	-754	6081	1981	-1331	9738	1256	843	-7359	-1030
p.lo 6	Rig Ux	1	0	0	1	0	0	0	0	0
p.lo 6	Rig Uy	0	1	0	0	1	0	0	0	0
p.lo 6	Rig Rz	0	0	0	0	0	0	0	0	0
p.lo 6	SLU 1	0	0	-307537	-630	-4941	-266433	879	6663	-39356
p.lo 6	SLU 2	0	0	-307537	-963	-4964	-267355	1214	6272	-38645
p.lo 6	SLU 3	0	0	-320253	-972	-5091	-278860	1224	6549	-39780
p.lo 6	SLU 4	0	0	-332969	-649	-5195	-289444	900	7218	-41627
p.lo 6	SLU 5	0	0	-332969	-848	-5209	-289996	1101	6983	-41201
p.lo 6	SLU 6	0	0	-419720	-978	-7703	-368580	1316	9357	-49009
p.lo 6	SLU 7	0	0	-432436	-987	-7830	-380085	1326	9635	-50145
p.lo 6	SLU 8	0	0	-445153	-664	-7934	-390669	1002	10303	-51992
p.lo 6	SLU 9	0	0	-445153	-864	-7947	-391222	1203	10069	-51565
p.lo 6	SLU 10	0	0	-467799	-653	-8854	-411041	1024	11071	-54163
p.lo 6	SLU 11	0	0	-467799	-852	-8867	-411594	1225	10836	-53736
p.lo 6	SLU 12	0	0	-480515	-662	-8980	-422546	1035	11348	-55298
p.lo 6	SLU 13	0	0	-480515	-861	-8994	-423099	1236	11113	-54872
p.lo 6	SLU 14	0	0	-406263	-1119	-6536	-354362	1463	8615	-49651
p.lo 6	SLU 15	0	0	-406263	-1451	-6559	-355283	1798	8224	-48939
p.lo 6	SLU 16	0	0	-418979	-1461	-6686	-366788	1808	8501	-50075
p.lo 6	SLU 17	0	0	-431695	-1137	-6790	-377372	1484	9170	-51922
p.lo 6	SLU 18	0	0	-431695	-1337	-6804	-377925	1685	8935	-51495
p.lo 6	SLU 19	0	0	-518446	-1467	-9298	-456508	1900	11309	-59304
p.lo 6	SLU 20	0	0	-531162	-1476	-9425	-468014	1910	11587	-60440
p.lo 6	SLU 21	0	0	-543878	-1153	-9529	-478598	1586	12255	-62287
p.lo 6	SLU 22	0	0	-543878	-1352	-9542	-479150	1786	12021	-61860
p.lo 6	SLU 23	0	0	-566525	-1141	-10449	-498970	1608	13023	-64457
p.lo 6	SLU 24	0	0	-566525	-1341	-10462	-499522	1809	12788	-64031
p.lo 6	SLU 25	0	0	-579241	-1151	-10576	-510475	1619	13300	-65593
p.lo 6	SLU 26	0	0	-579241	-1350	-10589	-511027	1820	13066	-65166
p.lo 6	SLU 27	0	0	-365950	-652	-5877	-316216	943	7993	-47633
p.lo 6	SLU 28	0	0	-365950	-984	-5899	-317138	1278	7602	-46922
p.lo 6	SLU 29	0	0	-378666	-993	-6026	-328643	1288	7879	-48057
p.lo 6	SLU 30	0	0	-391382	-670	-6130	-339227	964	8548	-49904
p.lo 6	SLU 31	0	0	-391382	-869	-6144	-339780	1165	8313	-49478
p.lo 6	SLU 32	0	0	-478133	-1000	-8638	-418363	1379	10687	-57286
p.lo 6	SLU 33	0	0	-490849	-1009	-8765	-429868	1390	10964	-58422
p.lo 6	SLU 34	0	0	-503565	-686	-8869	-440452	1065	11633	-60269
p.lo 6	SLU 35	0	0	-503565	-885	-8883	-441005	1266	11398	-59842
p.lo 6	SLU 36	0	0	-526211	-674	-9789	-460824	1088	12400	-62440
p.lo 6	SLU 37	0	0	-526211	-873	-9803	-461377	1289	12166	-62013
p.lo 6	SLU 38	0	0	-538927	-683	-9916	-472329	1098	12678	-63575
p.lo 6	SLU 39	0	0	-538927	-883	-9930	-472882	1299	12443	-63149
p.lo 6	SLU 40	0	0	-464676	-1141	-7472	-404145	1527	9945	-57928
p.lo 6	SLU 41	0	0	-464676	-1473	-7495	-405066	1862	9554	-57217
p.lo 6	SLU 42	0	0	-477392	-1482	-7621	-416571	1872	9831	-58352
p.lo 6	SLU 43	0	0	-490108	-1159	-7725	-427155	1548	10500	-60199
p.lo 6	SLU 44	0	0	-490108	-1358	-7739	-427708	1748	10265	-59772
p.lo 6	SLU 45	0	0	-576859	-1488	-10233	-506292	1963	12639	-67581
p.lo 6	SLU 46	0	0	-589575	-1498	-10360	-517797	1974	12916	-68717
p.lo 6	SLU 47	0	0	-602291	-1174	-10464	-528381	1649	13585	-70564
p.lo 6	SLU 48	0	0	-602291	-1374	-10478	-528933	1850	13350	-70137
p.lo 6	SLU 49	0	0	-624937	-1163	-11384	-548753	1672	14353	-72734
p.lo 6	SLU 50	0	0	-624937	-1362	-11398	-549305	1873	14118	-72308
p.lo 6	SLU 51	0	0	-637653	-1172	-11511	-560258	1682	14630	-73870
p.lo 6	SLU 52	0	0	-637653	-1371	-11525	-560811	1883	14395	-73444
p.lo 6	SLE RA 1	0	0	-335745	-770	-5397	-291556	1046	7221	-42297
p.lo 6	SLE RA 2	0	0	-335745	-991	-5412	-292170	1269	6960	-41823
p.lo 6	SLE RA 3	0	0	-344222	-998	-5497	-299840	1276	7145	-42580
p.lo 6	SLE RA 4	0	0	-352699	-782	-5566	-306896	1060	7591	-43811
p.lo 6	SLE RA 5	0	0	-352699	-915	-5575	-307265	1194	7434	-43527
p.lo 6	SLE RA 6	0	0	-410533	-1002	-7238	-359654	1337	9017	-48733
p.lo 6	SLE RA 7	0	0	-419011	-1008	-7323	-367324	1344	9202	-49490
p.lo 6	SLE RA 8	0	0	-427488	-793	-7392	-374380	1128	9648	-50721
p.lo 6	SLE RA 9	0	0	-427488	-925	-7401	-374748	1262	9491	-50437
p.lo 6	SLE RA 10	0	0	-442586	-785	-8005	-387961	1143	10159	-52168
p.lo 6	SLE RA 11	0	0	-442586	-918	-8014	-388329	1277	10003	-51884
p.lo 6	SLE RA 12	0	0	-451063	-791	-8090	-395631	1150	10344	-52925
p.lo 6	SLE RA 13	0	0	-451063	-924	-8099	-395999	1284	10188	-52641
p.lo 6	SLE FR 1	0	0	-335745	-770	-5397	-291556	1046	7221	-42297
p.lo 6	SLE FR 2	0	0	-335745	-881	-5404	-291863	1158	7090	-42060
p.lo 6	SLE FR 3	0	0	-339136	-772	-5431	-294624	1049	7295	-42600
p.lo 6	SLE FR 4	0	0	-367797	-885	-6187	-320784	1187	7972	-45021
p.lo 6	SLE FR 5	0	0	-371188	-777	-6213	-323545	1078	8176	-45561
p.lo 6	SLE FR 6	0	0	-389165	-777	-6701	-339758	1095	8690	-47233
p.lo 6	SLE QP 1	0	0	-335745	-770	-5397	-291556	1046	7221	-42297
p.lo 6	SLE QP 2	0	0	-367797	-774	-6179	-320477	1075	8102	-45258
p.lo 6	SLD 1	-15378	-5471	-361376	-12330	-5532	-319916	-2333	922	-39896
p.lo 6	SLD 2	-15378	-5471	-361376	-12330	-5532	-319916	-2333	922	-39896
p.lo 6	SLD 3	-15830	-1823	-360187	-13129	310	-319162	-1828	-3493	-40514
p.lo 6	SLD 4	-15830	-1823	-360187	-13129	310	-319162	-1828	-3493	-40514
p.lo 6	SLD 5	-3927	-7175	-367673	-3030	-14846	-321452	-714	12645	-42713
p.lo 6	SLD 6	-3927	-7175	-367673	-3030	-14846	-321452	-714	12645	-42713
p.lo 6	SLD 7	-5435	4987	-363712	-5692	4629	-318940	971	-2073	-44772
p.lo 6	SLD 8	-5435	4987	-363712	-5692	4629	-318940	971	-2073	-44772
p.lo 6	SLD 9	5435	-4987	-371883	4143	-16987	-322015	1179	18278	-45745
p.lo 6	SLD 10	5435	-4987	-371883	4143	-16987	-322015	1179	18278	-45745
p.lo 6	SLD 11	3927	7175	-367921	1481	2488	-319503	2865	3560	-47804
p.lo 6	SLD 12	3927	7175	-367921	1481	2488	-319503	2865	3560	-47804
p.lo 6	SLD 13	15830	1823	-375407	11580	-12669	-321793	3978	19698	-50003
p.lo 6	SLD 14	15830	1823	-375407	11580	-12669	-321793	3978	19698	-50003
p.lo 6	SLD 15	15378	5471	-374218	10781	-6826	-321039	4484	15283	-50621

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
p.lo 6	SLD 16	15378	5471	-374218	10781	-6826	-321039	4484	15283	-50621
p.lo 6	SLV 1	-37067	-10794	-353105	-29535	-4694	-319386	-6195	-6702	-32838
p.lo 6	SLV 2	-37067	-10794	-353105	-29535	-4694	-319386	-6195	-6702	-32838
p.lo 6	SLV 3	-38242	-780	-350777	-31555	9543	-317524	-4949	-16374	-34958
p.lo 6	SLV 4	-38242	-780	-350777	-31555	9543	-317524	-4949	-16374	-34958
p.lo 6	SLV 5	-9337	-18426	-366920	-6340	-27328	-322974	-2995	18331	-38318
p.lo 6	SLV 6	-9337	-18426	-366920	-6340	-27328	-322974	-2995	18331	-38318
p.lo 6	SLV 7	-13255	14954	-359161	-13071	20131	-316767	1157	-13910	-45383
p.lo 6	SLV 8	-13255	14954	-359161	-13071	20131	-316767	1157	-13910	-45383
p.lo 6	SLV 9	13255	-14954	-376434	11523	-32490	-324188	993	30115	-45134
p.lo 6	SLV 10	13255	-14954	-376434	11523	-32490	-324188	993	30115	-45134
p.lo 6	SLV 11	9337	18426	-368674	4791	14969	-317980	5145	-2126	-52199
p.lo 6	SLV 12	9337	18426	-368674	4791	14969	-317980	5145	-2126	-52199
p.lo 6	SLV 13	38242	780	-384817	30006	-21902	-323431	7099	32579	-55559
p.lo 6	SLV 14	38242	780	-384817	30006	-21902	-323431	7099	32579	-55559
p.lo 6	SLV 15	37067	10794	-382489	27986	-7664	-321569	8345	22907	-57678
p.lo 6	SLV 16	37067	10794	-382489	27986	-7664	-321569	8345	22907	-57678
p.lo 6	CRTFP Ux+	1	0	0	1	0	0	0	0	0
p.lo 6	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
p.lo 6	CRTFP Uy+	0	1	0	0	1	0	0	0	0
p.lo 6	CRTFP Uy-	0	-1	0	0	-1	0	0	0	0
p.lo 6	CRTFP Rz+	0	0	0	0	0	0	0	0	0
p.lo 6	CRTFP Rz-	0	0	0	0	0	0	0	0	0
Piano 6	Pesi	0	0	-69583	-1096	-1047	-57565	1096	1047	-12018
Piano 6	Port.	0	0	-28657	-754	-553	-26441	754	553	-2216
Piano 6	Accidentali	0	0	-18667	-724	-674	-17132	724	674	-1536
Piano 6	neve	0	0	-16955	-119	-192	-15903	119	192	-1052
Piano 6	ΔT	0	0	0	-31	25	-40	31	-25	40
Piano 6	SLV X	2709	3824	3443	13835	2766	936	-11126	1058	2508
Piano 6	SLV Y	5482	11614	4217	5082	14005	3191	400	-2391	1026
Piano 6	X SLD	714	1584	1564	5941	1160	493	-5228	424	1071
Piano 6	Y SLD	2613	5158	1846	2249	6057	1277	365	-900	568
Piano 6	Rig Ux	1	0	0	1	0	0	0	0	0
Piano 6	Rig Uy	0	1	0	0	0	0	0	1	0
Piano 6	Rig Rz	0	0	0	0	0	0	0	0	0
Piano 6	SLU 1	0	0	-92509	-1700	-1489	-78718	1700	1489	-13791
Piano 6	SLU 2	0	0	-92509	-1746	-1452	-78778	1746	1452	-13731
Piano 6	SLU 3	0	0	-105225	-1835	-1596	-90705	1835	1596	-14520
Piano 6	SLU 4	0	0	-117941	-1877	-1777	-102572	1877	1777	-15370
Piano 6	SLU 5	0	0	-117941	-1905	-1754	-102608	1905	1754	-15333
Piano 6	SLU 6	0	0	-112110	-2507	-2159	-96766	2507	2159	-15344
Piano 6	SLU 7	0	0	-124826	-2595	-2303	-108693	2595	2303	-16133
Piano 6	SLU 8	0	0	-137542	-2638	-2484	-120560	2638	2484	-16982
Piano 6	SLU 9	0	0	-137542	-2666	-2462	-120596	2666	2462	-16946
Piano 6	SLU 10	0	0	-120510	-2786	-2500	-104415	2786	2500	-16095
Piano 6	SLU 11	0	0	-120510	-2814	-2477	-104451	2814	2477	-16059
Piano 6	SLU 12	0	0	-133226	-2875	-2643	-116342	2875	2643	-16884
Piano 6	SLU 13	0	0	-133226	-2903	-2621	-116378	2903	2621	-16848
Piano 6	SLU 14	0	0	-112570	-2227	-1877	-97227	2227	1877	-15343
Piano 6	SLU 15	0	0	-112570	-2274	-1839	-97287	2274	1839	-15283
Piano 6	SLU 16	0	0	-125286	-2363	-1983	-109214	2363	1983	-16072
Piano 6	SLU 17	0	0	-138002	-2405	-2164	-121080	2405	2164	-16921
Piano 6	SLU 18	0	0	-138002	-2433	-2142	-121117	2433	2142	-16885
Piano 6	SLU 19	0	0	-132170	-3034	-2546	-115275	3034	2546	-16895
Piano 6	SLU 20	0	0	-144886	-3123	-2690	-127202	3123	2690	-17684
Piano 6	SLU 21	0	0	-157602	-3165	-2871	-139069	3165	2871	-18534
Piano 6	SLU 22	0	0	-157602	-3193	-2849	-139105	3193	2849	-18497
Piano 6	SLU 23	0	0	-140570	-3314	-2887	-122924	3314	2887	-17647
Piano 6	SLU 24	0	0	-140570	-3341	-2865	-122960	3341	2865	-17610
Piano 6	SLU 25	0	0	-153286	-3402	-3031	-134851	3402	3031	-18436
Piano 6	SLU 26	0	0	-153286	-3430	-3008	-134887	3430	3008	-18399
Piano 6	SLU 27	0	0	-113384	-2028	-1803	-95987	2028	1803	-17397
Piano 6	SLU 28	0	0	-113384	-2075	-1766	-96048	2075	1766	-17337
Piano 6	SLU 29	0	0	-126100	-2164	-1910	-107975	2164	1910	-18126
Piano 6	SLU 30	0	0	-138816	-2206	-2091	-119841	2206	2091	-18975
Piano 6	SLU 31	0	0	-138816	-2234	-2068	-119878	2234	2068	-18939
Piano 6	SLU 32	0	0	-132985	-2835	-2473	-114036	2835	2473	-18949
Piano 6	SLU 33	0	0	-145701	-2924	-2617	-125963	2924	2617	-19738
Piano 6	SLU 34	0	0	-158417	-2967	-2798	-137829	2967	2798	-20588
Piano 6	SLU 35	0	0	-158417	-2995	-2775	-137866	2995	2775	-20551
Piano 6	SLU 36	0	0	-141385	-3115	-2814	-121685	3115	2814	-19701
Piano 6	SLU 37	0	0	-141385	-3143	-2791	-121721	3143	2791	-19664
Piano 6	SLU 38	0	0	-154101	-3204	-2957	-133612	3204	2957	-20490
Piano 6	SLU 39	0	0	-154101	-3232	-2935	-133648	3232	2935	-20453
Piano 6	SLU 40	0	0	-133445	-2556	-2191	-114496	2556	2191	-18948
Piano 6	SLU 41	0	0	-133445	-2603	-2153	-114557	2603	2153	-18888
Piano 6	SLU 42	0	0	-146161	-2692	-2297	-126483	2692	2297	-19677
Piano 6	SLU 43	0	0	-158877	-2734	-2478	-138350	2734	2478	-20527
Piano 6	SLU 44	0	0	-158877	-2762	-2456	-138386	2762	2456	-20490
Piano 6	SLU 45	0	0	-153045	-3363	-2860	-132545	3363	2860	-20501
Piano 6	SLU 46	0	0	-165761	-3452	-3004	-144472	3452	3004	-21290
Piano 6	SLU 47	0	0	-178477	-3494	-3185	-156338	3494	3185	-22139
Piano 6	SLU 48	0	0	-178477	-3522	-3163	-156374	3522	3163	-22103
Piano 6	SLU 49	0	0	-161445	-3642	-3201	-140193	3642	3201	-21252
Piano 6	SLU 50	0	0	-161445	-3670	-3178	-140230	3670	3178	-21216
Piano 6	SLU 51	0	0	-174161	-3731	-3345	-152120	3731	3345	-22041
Piano 6	SLU 52	0	0	-174161	-3759	-3322	-152157	3759	3322	-22005
Piano 6	SLE RA 1	0	0	-98241	-1850	-1600	-84006	1850	1600	-14235
Piano 6	SLE RA 2	0	0	-98241	-1881	-1575	-84046	1881	1575	-14194
Piano 6	SLE RA 3	0	0	-106718	-1941	-1671	-91998	1941	1671	-14721
Piano 6	SLE RA 4	0	0	-115196	-1969	-1792	-99909	1969	1792	-15287
Piano 6	SLE RA 5	0	0	-115196	-1987	-1777	-99933	1987	1777	-15263
Piano 6	SLE RA 6	0	0	-111308	-2388	-2046	-96038	2388	2046	-15269
Piano 6	SLE RA 7	0	0	-119785	-2448	-2142	-103990	2448	2142	-15796
Piano 6	SLE RA 8	0	0	-128263	-2476	-2263	-111901	2476	2263	-16362
Piano 6	SLE RA 9	0	0	-128263	-2494	-2248	-111925	2494	2248	-16338
Piano 6	SLE RA 10	0	0	-116908	-2574	-2274	-101138	2574	2274	-15770
Piano 6	SLE RA 11	0	0	-116908	-2593	-2259	-101162	2593	2259	-15746

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
Piano 6	SLE RA 12	0	0	-125385	-2634	-2369	-109089	2634	2369	-16297
Piano 6	SLE RA 13	0	0	-125385	-2652	-2354	-109113	2652	2354	-16272
Piano 6	SLE FR 1	0	0	-98241	-1850	-1600	-84006	1850	1600	-14235
Piano 6	SLE FR 2	0	0	-98241	-1866	-1587	-84026	1866	1587	-14215
Piano 6	SLE FR 3	0	0	-101632	-1874	-1638	-87187	1874	1638	-14445
Piano 6	SLE FR 4	0	0	-103841	-2083	-1790	-89166	2083	1790	-14675
Piano 6	SLE FR 5	0	0	-107232	-2091	-1840	-92326	2091	1840	-14906
Piano 6	SLE FR 6	0	0	-107574	-2212	-1937	-92572	2212	1937	-15003
Piano 6	SLE QP 1	0	0	-98241	-1850	-1600	-84006	1850	1600	-14235
Piano 6	SLE QP 2	0	0	-103841	-2068	-1802	-89146	2068	1802	-14695
Piano 6	SLD 1	-1498	-3131	-105958	-8684	-4779	-90022	7186	1648	-15937
Piano 6	SLD 2	-1498	-3131	-105958	-8684	-4779	-90022	7186	1648	-15937
Piano 6	SLD 3	70	-37	-104851	-7334	-1145	-89255	7405	1108	-15596
Piano 6	SLD 4	70	-37	-104851	-7334	-1145	-89255	7405	1108	-15596
Piano 6	SLD 5	-2828	-5633	-106156	-6099	-8207	-90571	3271	2574	-15585
Piano 6	SLD 6	-2828	-5633	-106156	-6099	-8207	-90571	3271	2574	-15585
Piano 6	SLD 7	2399	4682	-102464	-1601	3907	-88016	4000	775	-14448
Piano 6	SLD 8	2399	4682	-102464	-1601	3907	-88016	4000	775	-14448
Piano 6	SLD 9	-2399	-4682	-105218	-2534	-7511	-90275	135	2829	-14943
Piano 6	SLD 10	-2399	-4682	-105218	-2534	-7511	-90275	135	2829	-14943
Piano 6	SLD 11	2828	5633	-101526	1964	4603	-87721	864	1030	-13806
Piano 6	SLD 12	2828	5633	-101526	1964	4603	-87721	864	1030	-13806
Piano 6	SLD 13	-70	37	-102831	3199	-2460	-89036	-3269	2496	-13795
Piano 6	SLD 14	-70	37	-102831	3199	-2460	-89036	-3269	2496	-13795
Piano 6	SLD 15	1498	3131	-101724	4549	1175	-88270	-3051	1956	-13454
Piano 6	SLD 16	1498	3131	-101724	4549	1175	-88270	-3051	1956	-13454
Piano 6	SLV 1	-4353	-7308	-108549	-17427	-8769	-91038	13074	1461	-17511
Piano 6	SLV 2	-4353	-7308	-108549	-17427	-8769	-91038	13074	1461	-17511
Piano 6	SLV 3	-1064	-339	-106019	-14378	-366	-89124	13314	27	-16895
Piano 6	SLV 4	-1064	-339	-106019	-14378	-366	-89124	13314	27	-16895
Piano 6	SLV 5	-6294	-12761	-109091	-11300	-16637	-92617	5005	3875	-16474
Piano 6	SLV 6	-6294	-12761	-109091	-11300	-16637	-92617	5005	3875	-16474
Piano 6	SLV 7	4669	10467	-100657	-1136	11373	-86236	5806	-906	-14422
Piano 6	SLV 8	4669	10467	-100657	-1136	11373	-86236	5806	-906	-14422
Piano 6	SLV 9	-4669	-10467	-107025	-2999	-14977	-92055	-1670	4510	-14969
Piano 6	SLV 10	-4669	-10467	-107025	-2999	-14977	-92055	-1670	4510	-14969
Piano 6	SLV 11	6294	12761	-98591	7165	13033	-85674	-870	-271	-12917
Piano 6	SLV 12	6294	12761	-98591	7165	13033	-85674	-870	-271	-12917
Piano 6	SLV 13	1064	339	-101663	10243	-3238	-89167	-9179	3577	-12496
Piano 6	SLV 14	1064	339	-101663	10243	-3238	-89167	-9179	3577	-12496
Piano 6	SLV 15	4353	7308	-99133	13292	5165	-87253	-8939	2143	-11880
Piano 6	SLV 16	4353	7308	-99133	13292	5165	-87253	-8939	2143	-11880
Piano 6	CRTFP Ux+	1	0	0	1	0	0	0	0	0
Piano 6	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
Piano 6	CRTFP Uy+	0	1	0	0	0	0	0	1	0
Piano 6	CRTFP Uy-	0	-1	0	0	0	0	0	-1	0
Piano 6	CRTFP Rz+	0	0	0	0	0	0	0	0	0
Piano 6	CRTFP Rz-	0	0	0	0	0	0	0	0	0
p.lo 7	Pesi	0	0	-59160	-1096	-1047	-51636	1096	1047	-7523
p.lo 7	Port.	0	0	-28657	-754	-553	-26441	754	553	-2216
p.lo 7	Accidentali	0	0	-18667	-724	-674	-17132	724	674	-1536
p.lo 7	neve	0	0	-16955	-119	-192	-15903	119	192	-1052
p.lo 7	ΔT	0	0	0	-31	25	-40	31	-25	40
p.lo 7	SLV X	9152	2392	134	13835	2766	936	-4684	-374	-802
p.lo 7	SLV Y	4331	10141	-1448	5082	14005	3191	-750	-3864	-4639
p.lo 7	X SLD	3856	1014	125	5941	1160	493	-2086	-145	-368
p.lo 7	Y SLD	1938	4523	-658	2249	6057	1277	-311	-1534	-1935
p.lo 7	Rig Ux	1	0	0	1	0	0	0	0	0
p.lo 7	Rig Uy	0	1	0	0	0	0	0	1	0
p.lo 7	Rig Rz	0	0	0	0	0	0	0	0	0
p.lo 7	SLU 1	0	0	-82086	-1700	-1489	-72789	1700	1489	-9296
p.lo 7	SLU 2	0	0	-82086	-1746	-1452	-72850	1746	1452	-9236
p.lo 7	SLU 3	0	0	-94802	-1835	-1596	-84777	1835	1596	-10025
p.lo 7	SLU 4	0	0	-107518	-1877	-1777	-96643	1877	1777	-10875
p.lo 7	SLU 5	0	0	-107518	-1905	-1754	-96679	1905	1754	-10838
p.lo 7	SLU 6	0	0	-101686	-2507	-2159	-90838	2507	2159	-10849
p.lo 7	SLU 7	0	0	-114402	-2595	-2303	-102765	2595	2303	-11638
p.lo 7	SLU 8	0	0	-127118	-2638	-2484	-114631	2638	2484	-12487
p.lo 7	SLU 9	0	0	-127118	-2666	-2462	-114667	2666	2462	-12451
p.lo 7	SLU 10	0	0	-110087	-2786	-2500	-98486	2786	2500	-11600
p.lo 7	SLU 11	0	0	-110087	-2814	-2477	-98523	2814	2477	-11564
p.lo 7	SLU 12	0	0	-122803	-2875	-2643	-110413	2875	2643	-12389
p.lo 7	SLU 13	0	0	-122803	-2903	-2621	-110450	2903	2621	-12353
p.lo 7	SLU 14	0	0	-102146	-2227	-1877	-91298	2227	1877	-10848
p.lo 7	SLU 15	0	0	-102146	-2274	-1839	-91358	2274	1839	-10788
p.lo 7	SLU 16	0	0	-114862	-2363	-1983	-103285	2363	1983	-11577
p.lo 7	SLU 17	0	0	-127578	-2405	-2164	-115152	2405	2164	-12426
p.lo 7	SLU 18	0	0	-127578	-2433	-2142	-115188	2433	2142	-12390
p.lo 7	SLU 19	0	0	-121746	-3034	-2546	-109346	3034	2546	-12400
p.lo 7	SLU 20	0	0	-134462	-3123	-2690	-121273	3123	2690	-13189
p.lo 7	SLU 21	0	0	-147178	-3165	-2871	-133140	3165	2871	-14039
p.lo 7	SLU 22	0	0	-147178	-3193	-2849	-133176	3193	2849	-14002
p.lo 7	SLU 23	0	0	-130147	-3314	-2887	-116995	3314	2887	-13152
p.lo 7	SLU 24	0	0	-130147	-3341	-2865	-117031	3341	2865	-13115
p.lo 7	SLU 25	0	0	-142863	-3402	-3031	-128922	3402	3031	-13941
p.lo 7	SLU 26	0	0	-142863	-3430	-3008	-128958	3430	3008	-13904
p.lo 7	SLU 27	0	0	-99834	-2028	-1803	-88280	2028	1803	-11553
p.lo 7	SLU 28	0	0	-99834	-2075	-1766	-88340	2075	1766	-11493
p.lo 7	SLU 29	0	0	-112550	-2164	-1910	-100267	2164	1910	-12282
p.lo 7	SLU 30	0	0	-125266	-2206	-2091	-112134	2206	2091	-13132
p.lo 7	SLU 31	0	0	-125266	-2234	-2068	-112170	2234	2068	-13095
p.lo 7	SLU 32	0	0	-119434	-2835	-2473	-106329	2835	2473	-13106
p.lo 7	SLU 33	0	0	-132150	-2924	-2617	-118256	2924	2617	-13895
p.lo 7	SLU 34	0	0	-144866	-2967	-2798	-130122	2967	2798	-14744
p.lo 7	SLU 35	0	0	-144866	-2995	-2775	-130158	2995	2775	-14708
p.lo 7	SLU 36	0	0	-127834	-3115	-2814	-113977	3115	2814	-13857
p.lo 7	SLU 37	0	0	-127834	-3143	-2791	-114014	3143	2791	-13821
p.lo 7	SLU 38	0	0	-140550	-3204	-2957	-125904	3204	2957	-14646

Livello	Cont.	Totale			Aste verticali			Pareti		
Nome	N.br.	F			F			F		
		X	Y	Z	X	Y	Z	X	Y	Z
p.lo 7	SLU 39	0	0	-140550	-3232	-2935	-125941	3232	2935	-14610
p.lo 7	SLU 40	0	0	-119894	-2556	-2191	-106789	2556	2191	-13105
p.lo 7	SLU 41	0	0	-119894	-2603	-2153	-106849	2603	2153	-13045
p.lo 7	SLU 42	0	0	-132610	-2692	-2297	-118776	2692	2297	-13834
p.lo 7	SLU 43	0	0	-145326	-2734	-2478	-130643	2734	2478	-14683
p.lo 7	SLU 44	0	0	-145326	-2762	-2456	-130679	2762	2456	-14647
p.lo 7	SLU 45	0	0	-139494	-3363	-2860	-124837	3363	2860	-14657
p.lo 7	SLU 46	0	0	-152210	-3452	-3004	-136764	3452	3004	-15446
p.lo 7	SLU 47	0	0	-164926	-3494	-3185	-148631	3494	3185	-16296
p.lo 7	SLU 48	0	0	-164926	-3522	-3163	-148667	3522	3163	-16259
p.lo 7	SLU 49	0	0	-147895	-3642	-3201	-132486	3642	3201	-15409
p.lo 7	SLU 50	0	0	-147895	-3670	-3178	-132522	3670	3178	-15372
p.lo 7	SLU 51	0	0	-160611	-3731	-3345	-144413	3731	3345	-16198
p.lo 7	SLU 52	0	0	-160611	-3759	-3322	-144449	3759	3322	-16161
p.lo 7	SLE RA 1	0	0	-87817	-1850	-1600	-78077	1850	1600	-9740
p.lo 7	SLE RA 2	0	0	-87817	-1881	-1575	-78118	1881	1575	-9699
p.lo 7	SLE RA 3	0	0	-96294	-1941	-1671	-86069	1941	1671	-10226
p.lo 7	SLE RA 4	0	0	-104772	-1969	-1792	-93980	1969	1792	-10792
p.lo 7	SLE RA 5	0	0	-104772	-1987	-1777	-94004	1987	1777	-10768
p.lo 7	SLE RA 6	0	0	-100884	-2388	-2046	-90110	2388	2046	-10774
p.lo 7	SLE RA 7	0	0	-109362	-2448	-2142	-98061	2448	2142	-11301
p.lo 7	SLE RA 8	0	0	-117839	-2476	-2263	-105972	2476	2263	-11867
p.lo 7	SLE RA 9	0	0	-117839	-2494	-2248	-105996	2494	2248	-11843
p.lo 7	SLE RA 10	0	0	-106484	-2574	-2274	-95209	2574	2274	-11275
p.lo 7	SLE RA 11	0	0	-106484	-2593	-2259	-95233	2593	2259	-11251
p.lo 7	SLE RA 12	0	0	-114962	-2634	-2369	-103160	2634	2369	-11802
p.lo 7	SLE RA 13	0	0	-114962	-2652	-2354	-103184	2652	2354	-11777
p.lo 7	SLE FR 1	0	0	-87817	-1850	-1600	-78077	1850	1600	-9740
p.lo 7	SLE FR 2	0	0	-87817	-1866	-1587	-78097	1866	1587	-9720
p.lo 7	SLE FR 3	0	0	-91208	-1874	-1638	-81258	1874	1638	-9950
p.lo 7	SLE FR 4	0	0	-93417	-2083	-1790	-83237	2083	1790	-10180
p.lo 7	SLE FR 5	0	0	-96808	-2091	-1840	-86397	2091	1840	-10411
p.lo 7	SLE FR 6	0	0	-97151	-2212	-1937	-86643	2212	1937	-10508
p.lo 7	SLE QP 1	0	0	-87817	-1850	-1600	-78077	1850	1600	-9740
p.lo 7	SLE QP 2	0	0	-93417	-2068	-1802	-83217	2068	1802	-10200
p.lo 7	SLD 1	-4437	-2371	-93344	-8684	-4779	-84093	4246	2408	-9252
p.lo 7	SLD 2	-4437	-2371	-93344	-8684	-4779	-84093	4246	2408	-9252
p.lo 7	SLD 3	-3274	342	-93739	-7334	-1145	-83327	4060	1487	-10413
p.lo 7	SLD 4	-3274	342	-93739	-7334	-1145	-83327	4060	1487	-10413
p.lo 7	SLD 5	-3095	-4827	-92797	-6099	-8207	-84642	3004	3380	-8155
p.lo 7	SLD 6	-3095	-4827	-92797	-6099	-8207	-84642	3004	3380	-8155
p.lo 7	SLD 7	781	4219	-94113	-1601	3907	-82088	2383	311	-12025
p.lo 7	SLD 8	781	4219	-94113	-1601	3907	-82088	2383	311	-12025
p.lo 7	SLD 9	-781	-4219	-92722	-2534	-7511	-84346	1752	3293	-8376
p.lo 7	SLD 10	-781	-4219	-92722	-2534	-7511	-84346	1752	3293	-8376
p.lo 7	SLD 11	3095	4827	-94038	1964	4603	-81792	1131	224	-12246
p.lo 7	SLD 12	3095	4827	-94038	1964	4603	-81792	1131	224	-12246
p.lo 7	SLD 13	3274	-342	-93095	3199	-2460	-83107	75	2117	-9988
p.lo 7	SLD 14	3274	-342	-93095	3199	-2460	-83107	75	2117	-9988
p.lo 7	SLD 15	4437	2371	-93490	4549	1175	-82341	-111	1197	-11149
p.lo 7	SLD 16	4437	2371	-93490	4549	1175	-82341	-111	1197	-11149
p.lo 7	SLV 1	-10451	-5434	-93117	-17427	-8769	-85110	6976	3335	-8007
p.lo 7	SLV 2	-10451	-5434	-93117	-17427	-8769	-85110	6976	3335	-8007
p.lo 7	SLV 3	-7852	651	-93986	-14378	-366	-83195	6526	1017	-10791
p.lo 7	SLV 4	-7852	651	-93986	-14378	-366	-83195	6526	1017	-10791
p.lo 7	SLV 5	-7077	-10859	-92009	-11300	-16637	-86688	4223	5778	-5321
p.lo 7	SLV 6	-7077	-10859	-92009	-11300	-16637	-86688	4223	5778	-5321
p.lo 7	SLV 7	1586	9424	-94906	-1136	11373	-80307	2722	-1949	-14599
p.lo 7	SLV 8	1586	9424	-94906	-1136	11373	-80307	2722	-1949	-14599
p.lo 7	SLV 9	-1586	-9424	-91929	-2999	-14977	-86127	1413	5553	-5802
p.lo 7	SLV 10	-1586	-9424	-91929	-2999	-14977	-86127	1413	5553	-5802
p.lo 7	SLV 11	7077	10859	-94825	7165	13033	-79746	-88	-2174	-15080
p.lo 7	SLV 12	7077	10859	-94825	7165	13033	-79746	-88	-2174	-15080
p.lo 7	SLV 13	7852	-651	-92849	10243	-3238	-83238	-2391	2587	-9610
p.lo 7	SLV 14	7852	-651	-92849	10243	-3238	-83238	-2391	2587	-9610
p.lo 7	SLV 15	10451	5434	-93718	13292	5165	-81324	-2841	269	-12394
p.lo 7	SLV 16	10451	5434	-93718	13292	5165	-81324	-2841	269	-12394
p.lo 7	CRTFP Ux+	1	0	0	1	0	0	0	0	0
p.lo 7	CRTFP Ux-	-1	0	0	-1	0	0	0	0	0
p.lo 7	CRTFP Uy+	0	1	0	0	0	0	0	1	0
p.lo 7	CRTFP Uy-	0	-1	0	0	0	0	0	-1	0
p.lo 7	CRTFP Rz+	0	0	0	0	0	0	0	0	0
p.lo 7	CRTFP Rz-	0	0	0	0	0	0	0	0	0

7.7 Risposta modale

***Modo**: identificativo del modo di vibrare.*
***Periodo**: periodo. [s]*
***Massa X**: massa partecipante in direzione globale X. Il valore è adimensionale.*
***Massa Y**: massa partecipante in direzione globale Y. Il valore è adimensionale.*
***Massa Z**: massa partecipante in direzione globale Z. Il valore è adimensionale.*
***Massa rot. X**: massa rotazionale partecipante attorno la direzione globale X. Il valore è adimensionale.*
***Massa rot. Y**: massa rotazionale partecipante attorno la direzione globale Y. Il valore è adimensionale.*
***Massa rot. Z**: massa rotazionale partecipante attorno la direzione globale Z. Il valore è adimensionale.*
***Massa sX**: massa partecipante in direzione Sisma X. Il valore è adimensionale.*
***Massa sY**: massa partecipante in direzione Sisma Y. Il valore è adimensionale.*

Totale masse partecipanti:

Traslazione X: 0.994865
Traslazione Y: 0.988889

Traslazione Z: 0
Rotazione X: 0.999943
Rotazione Y: 0.999973
Rotazione Z: 0.98706

Modo	Periodo	Massa X	Massa Y	Massa Z	Massa rot. X	Massa rot. Y	Massa rot. Z	Massa sX	Massa sY
1	1.358363797	0.091340078	0.41599302	0	0.620361338	0.108346179	0.31843557	0.091340078	0.41599302
2	1.119969113	0.680807596	0.144584911	0	0.171258737	0.824376447	0.105213883	0.680807596	0.144584911
3	0.801476574	0.051484476	0.272092486	0	0.205729723	0.065016886	0.406103035	0.051484476	0.272092486
4	0.466347428	0.017367569	0.006305217	0	0.000853415	0.001047022	0.010591222	0.017367569	0.006305217
5	0.334507494	0.047680107	0.051274674	0	0.000222684	0.000692393	0.050073473	0.047680107	0.051274674
6	0.300343475	0.048729383	0.02966791	0	0.000972631	0.000318827	0.015176539	0.048729383	0.02966791
7	0.21638201	0.018779064	0.003194961	0	0.000108073	0.000017829	0.004328142	0.018779064	0.003194961
8	0.177513793	0.002100992	0.008160599	0	0.000078123	0.000003772	0.0081922	0.002100992	0.008160599
9	0.173488772	0.003182266	0.024251957	0	0.00012235	0.00003555	0.029182811	0.003182266	0.024251957
10	0.157757447	0.012080282	0.001405594	0	0.000124424	0.000001713	0.004091497	0.012080282	0.001405594
11	0.151063546	0.001479716	0.006883118	0	0.000066484	0.000068767	0.006716204	0.001479716	0.006883118
12	0.147307379	0.000068616	0.000061268	0	0.000001145	0.000000806	0.000032448	0.000068616	0.000061268
13	0.136377055	0.002371403	0.019992189	0	0.000012418	0.00000078	0.024050611	0.002371403	0.019992189
14	0.125339016	0.001542237	0.00018929	0	0.000000409	0.000001134	0.000565686	0.001542237	0.00018929
15	0.118078109	0.009185668	0.000646702	0	0.000000387	0.000036665	0.000009598	0.009185668	0.000646702
16	0.109841172	0.002140847	0.000074764	0	0.000000465	0.000000242	0.000263913	0.002140847	0.000074764
17	0.095874328	0.000398021	0.000211046	0	0.000012263	0.000000061	0.000027821	0.000398021	0.000211046
18	0.085445998	0.004013179	0.000907055	0	0.000011248	0.000006104	0.00068467	0.004013179	0.000907055
19	0.082179075	0.000063835	0.000260573	0	0.000000373	0.000000016	0.000205008	0.000063835	0.000260573
20	0.080081498	0.000050032	0.002732069	0	0.00000582	0.000001577	0.003115424	0.000050032	0.002732069

7.8 Equilibrio globale forze

***Contributo**: Nome attribuito al sistema risultante.*
***Fx**: Componente X di forza del sistema risultante. [daN]*
***Fy**: Componente Y di forza del sistema risultante. [daN]*
***Fz**: Componente Z di forza del sistema risultante. [daN]*
***Mx**: Componente di momento attorno l'asse X del sistema risultante. [daN*cm]*
***My**: Componente di momento attorno l'asse Y del sistema risultante. [daN*cm]*
***Mz**: Componente di momento attorno l'asse Z del sistema risultante. [daN*cm]*

Bilancio in condizione di carico: Pesi strutturali

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	-2727437.275	-1421799783	23552210537	0
Reazioni	0	0	2727437.275	1421799783	-23552210537	0
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Permanenti portati

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	-1470261.04	-733499875	12417356219	0
Reazioni	0	0	1470261.04	733499875	-12417356219	0
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Accidentali

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	-727837.188	-369265612	6226540048	0
Reazioni	0	0	727837.188	369265612	-6226540048	0
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: neve

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	-30252.289	-15318224	250715545	0
Reazioni	0	0	30252.289	15318224	-250715545	0
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: ΔT

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	0	0	0	0
Reazioni	0	0	0	0	0	0
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Sisma X SLV

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	202983.221	0	0	0	263385370	-105002501
Reazioni	-202983.221	0	0	0	-263385370	105002501
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Sisma Y SLV

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	167359.391	0	-217160881	0	1389156089
Reazioni	0	-167359.391	0	217160881	0	-1389156089
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Sisma X SLD

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	79113.949	0	0	0	102656055	-40925365
Reazioni	-79113.949	0	0	0	-102656055	40925365

Contributo	Fx	Fy	Fz	Mx	My	Mz
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Sisma Y SLD

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	65229.344	0	-84639778	0	541432061
Reazioni	0	-65229.344	0	84639778	0	-541432061
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Rig Ux

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	1	0	0	0	2230	-540
Reazioni	-1	0	0	0	-2230	540
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Rig Uy

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	1	0	-2230	0	7410
Reazioni	0	-1	0	2230	0	-7410
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Rig Rz

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	0	0	0	1
Reazioni	0	0	0	0	0	-1
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

7.9 Risposta di spettro

***Spettro**: condizione elementare corrispondente allo spettro.*
***N.b.**: nome breve della condizione elementare.*
***Fx**: componente della forza lungo l'asse X. [daN]*
***Fy**: componente della forza lungo l'asse Y. [daN]*
***Fz**: componente della forza lungo l'asse Z. [daN]*
***Mx**: componente della coppia attorno all'asse X. [daN*cm]*
***My**: componente della coppia attorno all'asse Y. [daN*cm]*
***Mz**: componente della coppia attorno all'asse Z. [daN*cm]*
***Max X**: massima reazione lungo l'asse X.*
***Valore**: valore massimo della reazione. [daN]*
***Angolo**: angolo d'ingresso del sisma che provoca il valore massimo della reazione. [deg]*
***Max Y**: massima reazione lungo l'asse Y.*
***Valore**: valore massimo della reazione. [daN]*
***Angolo**: angolo d'ingresso del sisma che provoca il valore massimo della reazione. [deg]*
***Max Z**: massima reazione lungo l'asse Z.*
***Valore**: valore massimo della reazione. [daN]*
***Angolo**: angolo d'ingresso del sisma che provoca il valore massimo della reazione. [deg]*

Spettro	Fx	Fy	Fz	Mx	My	Mz	Max X		Max Y		Max Z	
N.b.							Valore	Angolo	Valore	Angolo	Valore	Angolo
SLV X	152400.97	75798.37	0	8.847E07	1.835E08	6.163E08	159493.78	19	126236.92	103	0	0
SLV Y	75798.37	123941.24	0	1.399E08	9.127E07	1.111E09	159493.78	19	126236.92	103	0	0
X SLD	61047.57	30452.08	0	3.450E07	7.153E07	2.478E08	63559.4	18	51041.9	103	0	0
Y SLD	30452.08	50110.99	0	5.455E07	3.559E07	4.468E08	63559.4	18	51041.9	103	0	0

8 Verifiche

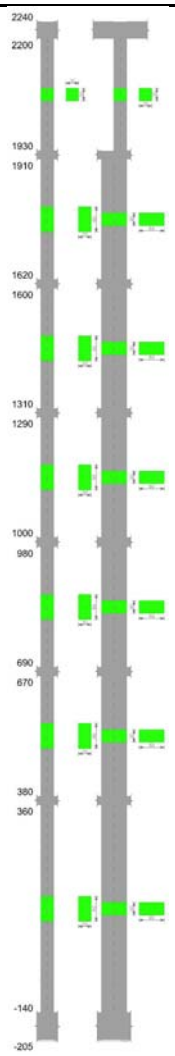
8.1 Verifiche pilastrate C.A.

Le unità di misura elencate nel capitolo sono in [cm, daN] ove non espressamente specificato.

***Q.inf.**: quota inferiore. [cm]*
***Q.sup.**: quota superiore. [cm]*
***Sezione**: sezione impiegata.*
***Esistente**: campata esistente.*
***Secondaria**: campata secondaria.*
***Dissipativa**: campata dissipativa.*
***Interna a parete**: campata adiacente ad una parete in c.a.*
***Sovraresistenza**: aliquota di sovraresistenza da assicurare in verifica.*
***Materiale CLS**: materiale calcestruzzo impiegato.*
***Materiale Acciaio**: materiale/i acciaio impiegato/i.*
***FC**: fattore di confidenza riferito al materiale CLS.*
***Posizione**: posizione della barra.*
***X**: ascissa relativa della barra rispetto al baricentro della sezione. [cm]*
***Y**: ordinata relativa della barra rispetto al baricentro della sezione. [cm]*
***Diametro**: diametro nominale della barra. [cm]*
***Area**: area nominale della barra. [cm²]*
***Q.inf.**: quota inferiore della barra. [cm]*
***Q.sup.**: quota superiore della barra. [cm]*
***Materiale**: materiale della barra.*
***Quota**: quota della sezione. [cm]*
***As**: area complessiva delle armature verticali. [cm²]*
***%**: percentuale di acciaio.*
***At**: area delle armature verticali destinata alla verifica di torsione. [cm²]*
***Pos.**: posizioni barre longitudinali presenti nella sezione.*
***Mx**: momento Mx. [daN*cm]*
***My**: momento My. [daN*cm]*
***N**: sforzo normale. [daN]*
***MRdx**: momento resistente in direzione X. [daN*cm]*
***MRdy**: momento resistente in direzione Y. [daN*cm]*
***Comb.**: combinazione peggiore.*
***Coeff.s.**: coefficiente di sicurezza minimo.*
***Verifica**: stato di verifica.*
***ε,cu**: deformazione ultima utilizzata per il calcestruzzo [‰].*
***ε,fk**: deformazione ultima utilizzata per l'acciaio [‰].*
***C.S.**: coefficiente di sicurezza minimo.*
***Nmin**: compressione massima. [daN]*
***Nlim**: compressione limite. [daN]*
***Comb.Nmin**: combinazione in cui si ottiene la compressione massima.*
***Ver.**: stato di verifica.*
***Staffe**: staffatura presente nella sezione.*
***Direzione X**: dati della verifica a taglio in direzione X.*
***V**: taglio di verifica per la direzione considerata. [daN]*
***N**: sforzo normale per la verifica nella direzione considerata. [daN]*
***Comb.**: combinazione per la verifica nella direzione considerata.*
***VRd**: resistenza a taglio del calcestruzzo non staffato per la verifica nella direzione considerata. [daN]*
***VRsd**: resistenza a taglio delle staffe per la verifica nella direzione considerata. [daN]*
***VRcd**: resistenza a taglio delle bielle compresse per la verifica nella direzione considerata. [daN]*
***Cot**: cotagente delle bielle compresse per la verifica nella direzione considerata.*
***c.s.**: coefficiente di sicurezza per la verifica nella direzione considerata.*
***Direzione Y**: dati della verifica a taglio in direzione Y.*
***σc,max**: tensione massima sul calcestruzzo. [daN/cm²]*
***σf,max**: tensione massima sull'acciaio. [daN/cm²]*
***Mx,sr**: momento Mx di fessurazione. [daN*cm]*
***My,sr**: momento My di fessurazione. [daN*cm]*
***N,sr**: sforzo normale di fessurazione. [daN]*
***σs**: tensione massima sull'acciaio in condizioni fessurate. [daN/cm²]*
***Ac,eff**: area di calcestruzzo efficace. [cm²]*
***ρ,eff**: rapporto geometrico di area d'acciaio efficace.*
***Sm**: distanza media fra le fessure. [cm]*
***Wk**: apertura delle fessure. [cm]*
***Fessurata**: presenza di fessurazione.*

Pilastro54

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60	No	No	No	No		C30/37	B450C	
380	670	R 30x60	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x60	No	No	No	No		C30/37	B450C	
1310	1600	R 30x60	No	No	No	No		C30/37	B450C	
1620	1910	R 30x60	No	No	No	No		C30/37	B450C	
1930	2200	R 30x30 1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.5	-9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.6	-9.67	-24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.67	-24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.67	24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.67	24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.9	-12.85	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.9	0	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.9	12.85	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.9	-12.85	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.9	0	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.9	12.85	1.6	2.011	1310	1620	R 30x60	B450C
p.7	-9.67	-24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.7	9.67	-24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.9	9.67	24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.9	-9.67	24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.10	-9.9	-12.85	1.6	2.011	1620	1910	R 30x60	B450C
p.10	-9.9	0	1.6	2.011	1620	1910	R 30x60	B450C
p.10	9.9	-12.85	1.6	2.011	1620	1910	R 30x60	B450C
p.10	9.9	0	1.6	2.011	1620	1910	R 30x60	B450C
p.9	-9.9	12.85	1.6	2.011	1620	1910	R 30x60	B450C
p.9	9.9	12.85	1.6	2.011	1620	1910	R 30x60	B450C
p.15	-9.67	5.33	1.6	2.011	1920	2240	R 30x30_1	B450C
p.15	9.67	5.33	1.6	2.011	1920	2240	R 30x30_1	B450C
p.15	9.67	24.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.15	-9.67	24.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.16	-9.9	15	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.17	9.9	15	1.6	2.011	1930.1	2240	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	512639	512639	-188991	818158	818158	SLU 52	1.596	Si
-111	20.11	2.2	0	1,2	512181	512181	-188822	818158	818158	SLU 52	1.597	Si
-81	20.11	1.1	0	2	511714	511714	-188650	818158	818158	SLU 52	1.599	Si
-52	20.11	1.1	0	2	511247	511247	-188478	818158	818158	SLU 52	1.6	Si
-22	20.11	1.1	0	2	510780	510780	-188306	818158	818158	SLU 52	1.602	Si
7	20.11	1.1	0	2	510314	510314	-188134	818158	818158	SLU 52	1.603	Si
36	20.11	1.1	0	2	509847	509847	-187962	818158	818158	SLU 52	1.605	Si
66	20.11	1.1	0	2	509380	509380	-187790	818158	818158	SLU 52	1.606	Si
95	20.11	1.1	0	2	508914	508914	-187618	818158	818158	SLU 52	1.608	Si
125	20.11	1.1	0	2	508447	508447	-187446	818158	818158	SLU 52	1.609	Si
154	20.11	1.1	0	2	507980	507980	-187274	818158	818158	SLU 52	1.611	Si
184	20.11	1.1	0	2	507513	507513	-187102	818158	818158	SLU 52	1.612	Si
213	20.11	1.1	0	2	507042	507042	-186928	818158	818158	SLU 52	1.614	Si
242	20.11	1.1	0	2	506580	-506580	-186758	818158	-818158	SLU 52	1.615	Si
272	20.11	1.1	0	2	506113	-506113	-186586	818158	-818158	SLU 52	1.617	Si
301	20.11	1.1	0	2	-505647	-505647	-186414	-818158	-818158	SLU 52	1.618	Si
331	20.11	1.1	0	2	-505180	-505180	-186241	-818158	-818158	SLU 52	1.62	Si
360	20.11	1.1	0	2	-504721	-504721	-186072	-818158	-818158	SLU 52	1.621	Si
380	20.11	2.2	0	2,3	-314978	-314978	-157489	-647491	-647491	SLU 52	2.056	Si
409	20.11	2.2	0	2,3	-314639	-314639	-157319	-647491	-647491	SLU 52	2.058	Si
438	20.11	1.1	0	3	-314300	-314300	-157150	-647491	-647491	SLU 52	2.06	Si
467	20.11	1.1	0	3	-313960	-313960	-156980	-647491	-647491	SLU 52	2.062	Si
496	20.11	1.1	0	3	-313621	-313621	-156811	-647491	-647491	SLU 52	2.065	Si
525	20.11	1.1	0	3	313282	-313282	-156641	647491	-647491	SLU 52	2.067	Si
554	20.11	1.1	0	3	312942	-312942	-156471	647491	-647491	SLU 52	2.069	Si
583	20.11	1.1	0	3	312603	312603	-156302	647491	647491	SLU 52	2.071	Si
612	20.11	1.1	0	3	312264	312264	-156132	647491	647491	SLU 52	2.074	Si
641	20.11	1.1	0	3	311925	311925	-155962	647491	647491	SLU 52	2.076	Si
670	20.11	1.1	0	3	311591	311591	-155796	647491	647491	SLU 52	2.078	Si
690	20.11	2.2	0	3,4	256003	256003	-128002	647491	647491	SLU 52	2.529	Si
719	20.11	2.2	0	3,4	255664	255664	-127832	647491	647491	SLU 52	2.533	Si
748	20.11	1.1	0	4	255325	255325	-127662	647491	647491	SLU 52	2.536	Si
777	20.11	1.1	0	4	254985	254985	-127493	647491	647491	SLU 52	2.539	Si
806	20.11	1.1	0	4	254646	254646	-127323	647491	647491	SLU 52	2.543	Si
835	20.11	1.1	0	4	254307	254307	-127153	647491	647491	SLU 52	2.546	Si
864	20.11	1.1	0	4	253968	253968	-126984	647491	647491	SLU 52	2.55	Si
893	20.11	1.1	0	4	253628	253628	-126814	647491	647491	SLU 52	2.553	Si
922	20.11	1.1	0	4	253289	-253289	-126644	647491	-647491	SLU 52	2.556	Si
951	20.11	1.1	0	4	252950	-252950	-126475	647491	-647491	SLU 52	2.56	Si
980	20.11	1.1	0	4	252616	-252616	-126308	647491	-647491	SLU 52	2.563	Si
1000	20.11	2.2	0	4,5	199026	199026	-99513	647491	647491	SLU 52	3.253	Si
1029	20.11	2.2	0	4,5	198686	198686	-99343	647491	647491	SLU 52	3.259	Si
1058	20.11	1.1	0	5	198347	198347	-99173	647491	647491	SLU 52	3.264	Si
1087	20.11	1.1	0	5	198008	198008	-99004	647491	647491	SLU 52	3.27	Si
1116	20.11	1.1	0	5	197668	197668	-98834	647491	647491	SLU 52	3.276	Si
1145	20.11	1.1	0	5	197329	-197329	-98665	647491	-647491	SLU 52	3.281	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1174	20.11	1.1	0	5	196990	-196990	-98495	647491	-647491	SLU 52	3.287	Si
1203	20.11	1.1	0	5	-196650	-196650	-98325	-647491	-647491	SLU 52	3.293	Si
1232	20.11	1.1	0	5	-196311	-196311	-98156	-647491	-647491	SLU 52	3.298	Si
1261	20.11	1.1	0	5	-195972	-195972	-97986	-647491	-647491	SLU 52	3.304	Si
1290	20.11	1.1	0	5	-195633	-195633	-97816	-647491	-647491	SLU 52	3.31	Si
1310	20.11	2.2	0	5,6	-143089	143089	-71545	-647491	647491	SLU 52	4.525	Si
1339	20.11	2.2	0	5,6	142756	142756	-71378	647491	647491	SLU 52	4.536	Si
1368	20.11	1.1	0	6	142417	142417	-71208	647491	647491	SLU 52	4.546	Si
1397	20.11	1.1	0	6	142077	142077	-71039	647491	647491	SLU 52	4.557	Si
1426	20.11	1.1	0	6	141738	141738	-70869	647491	647491	SLU 52	4.568	Si
1455	20.11	1.1	0	6	141399	-141399	-70699	647491	-647491	SLU 52	4.579	Si
1484	20.11	1.1	0	6	141059	-141059	-70530	647491	-647491	SLU 52	4.59	Si
1513	20.11	1.1	0	6	140720	-140720	-70360	647491	-647491	SLU 52	4.601	Si
1542	20.11	1.1	0	6	140381	-140381	-70190	647491	-647491	SLU 52	4.612	Si
1571	20.11	1.1	0	6	140042	-140042	-70021	647491	-647491	SLU 52	4.624	Si
1600	20.11	1.1	0	6	139702	-139702	-69851	647491	-647491	SLU 52	4.635	Si
1620	20.11	2.2	0	6,7,9,10	85440	85440	-42720	647491	647491	SLU 52	7.578	Si
1649	20.11	2.2	0	6,7,9,10	85107	85107	-42553	647491	647491	SLU 52	7.608	Si
1678	20.11	1.1	0	7,9,10	-84767	84767	-42384	-647491	647491	SLU 52	7.638	Si
1707	20.11	1.1	0	7,9,10	-84428	84428	-42214	-647491	647491	SLU 52	7.669	Si
1736	20.11	1.1	0	7,9,10	-84089	84089	-42044	-647491	647491	SLU 52	7.7	Si
1765	20.11	1.1	0	7,9,10	-92756	-83749	-41875	-713989	-644661	SLU 52	7.698	Si
1794	20.11	1.1	0	7,9,10	-118970	-83410	-41705	-905441	-634806	SLU 52	7.611	Si
1823	20.11	1.1	0	7,9,10	-145184	-83071	-41535	-1088032	-622544	SLU 52	7.494	Si
1852	20.11	1.1	0	7,9,10	-171399	-82731	-41366	-1261592	-608950	SLU 52	7.361	Si
1881	20.11	1.1	0	7,9,10	-197613	-90340	-41196	-1408912	-644096	SLU 52	7.13	Si
1910	39.29	3.1	0	7,8,9,10,11,12,13,14	-223375	-108358	-41029	-1879381	-911674	SLU 52	8.414	Si
1930	20.21	3.1	0	8,9,11,12,13,14,15	-96172	30155	-15078	-848657	266100	SLU 47	8.824	Si
1960	10.68	3.6	0	8,9,11,12,13,14,15,16,17	-64358	29980	-14990	-558670	260246	SLU 47	8.681	Si
1990	12.06	1.3	0	15,16,17	-32543	29804	-14902	-341233	312515	SLU 47	10.486	Si
2020	12.06	1.3	0	15,16,17	29710	29710	-14855	316346	316346	SLU 48	10.648	Si
2050	12.06	1.3	0	15,16,17	32667	-29534	-14767	345022	-311932	SLU 48	10.562	Si
2080	12.06	1.3	0	15,16,17	64032	-29359	-14679	578938	-265442	SLU 48	9.041	Si
2110	12.06	1.3	0	15,16,17	95397	-29183	-14592	729538	-223174	SLU 48	7.647	Si
2140	12.06	1.3	0	15,16,17	126762	-29008	-14504	824218	-188610	SLU 48	6.502	Si
2170	12.06	1.3	0	15,16,17	158473	-38665	-13392	866295	-211360	SLU 52	5.467	Si
2200	15.4	2.7	0	15,16,17	189946	-45660	-13265	978043	-235104	SLU 51	5.149	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	772374	-382984	-123071	-2.02	1.92	1368347	-678499	SLV 13	1.772				Si
-111	20.11	2.2	0	1,2	713098	-345976	-122940	-2.02	1.92	1321370	-641093	SLV 13	1.853				Si
-81	20.11	1.1	0	2	652826	-308333	-122808	-2.02	1.92	1265749	-597820	SLV 13	1.939				Si
-52	20.11	1.1	0	2	592594	-270698	-122676	-2.02	1.92	1202221	-549178	SLV 13	2.029				Si
-22	20.11	1.1	0	2	532416	-233076	-122543	-2.02	1.92	1130575	-494933	SLV 13	2.123				Si
7	20.11	1.1	0	2	472309	-195472	-122411	-2.02	1.92	1051122	-435022	SLV 13	2.225				Si
36	20.11	1.1	0	2	412311	-157898	-122279	-2.02	1.92	963800	-369095	SLV 13	2.338				Si
66	20.11	1.1	0	2	352486	-120384	-122146	-2.02	1.92	867448	-296258	SLV 13	2.461				Si
95	20.11	1.1	0	2	102730	-56258	-127062	-2.02	1.92	266215	-145788	SLV 15	2.591				Si
125	20.11	1.1	0	2	84539	-28154	-126929	-2.02	1.92	219303	-73036	SLV 15	2.594				Si
154	20.11	1.1	0	2	66958	1060	-126797	-2.02	1.92	173879	2751	SLV 15	2.597				Si
184	20.11	1.1	0	2	50912	36177	-126665	-2.02	1.92	132348	94043	SLV 15	2.6				Si
213	20.11	1.1	0	2	18979	70757	-126531	-2.02	1.92	49390	184131	SLV 15	2.602				Si
242	20.11	1.1	0	2	-15149	107398	-126400	-2.02	1.92	-39464	279770	SLV 15	2.605				Si
272	20.11	1.1	0	2	-20639	144766	-126267	-2.02	1.92	-53820	377509	SLV 15	2.608				Si
301	20.11	1.1	0	2	-36986	182272	-126135	-2.02	1.92	-95245	469378	SLV 15	2.575				Si
331	20.11	1.1	0	2	-54724	219843	-126003	-2.02	1.92	-135822	545637	SLV 15	2.482				Si
360	20.11	1.1	0	2	-72637	256805	-125873	-2.02	1.92	-174057	615376	SLV 15	2.396				Si
380	20.11	2.2	0	2,3	53431	-380983	-105253	-2.02	1.92	132040	-941504	SLV 15	2.471				Si
409	20.11	2.2	0	2,3	46640	-307775	-105122	-2.02	1.92	123196	-812957	SLV 15	2.641				Si
438	20.11	1.1	0	3	40498	-234621	-104992	-2.02	1.92	114850	-665370	SLV 15	2.836				Si
467	20.11	1.1	0	3	35597	-161596	-104861	-2.02	1.92	108911	-494418	SLV 15	3.06				Si
496	20.11	1.1	0	3	33131	-89052	-104731	-2.02	1.92	104163	-279976	SLV 15	3.144				Si
525	20.11	1.1	0	3	-54756	-17077	-104600	-2.02	1.92	-172367	-53758	SLV 15	3.148				Si
554	20.11	1.1	0	3	-18334	61450	-104470	-2.02	1.92	-57784	193681	SLV 15	3.152				Si
583	20.11	1.1	0	3	-20335	133409	-104339	-2.02	1.92	-64173	421007	SLV 15	3.156				Si
612	20.11	1.1	0	3	-24944	206341	-104209	-2.02	1.92	-73555	608454	SLV 15	2.949				Si
641	20.11	1.1	0	3	-30933	279463	-104078	-2.02	1.92	-84889	766917	SLV 15	2.744				Si
670	20.11	1.1	0	3	-37521	351393	-103950	-2.02	1.92	-96369	902526	SLV 15	2.568				Si
690	20.11	2.2	0	3,4	308333	-225256	-81833	-2.02	1.92	937750	-685082	SLV 13	3.041				Si
719	20.11	2.2	0	3,4	79499	-240883	-84013	-2.02	1.92	259784	-787149	SLV 15	3.268				Si
748	20.11	1.1	0	4	66485	-179890	-83883	-2.02	1.92	234567	-634676	SLV 15	3.528				Si
777	20.11	1.1	0	4	54758	-119115	-83752	-2.02	1.92	209720	-456206	SLV 15	3.83				Si
806	20.11	1.1	0	4	45819	-59320	-83622	-2.02	1.92	180419	-233578	SLV 15	3.938				Si
835	20.11	1.1	0	4	-23768	10879	-83491	-2.02	1.92	-93735	42905	SLV 15	3.944				Si
864	20.11	1.1	0	4	-16075	67988	-83361	-2.02	1.92	-63496	268549	SLV 15	3.95				Si
893	20.11	1.1	0	4	-24831	128063	-83230	-2.02	1.92	-95894	494566	SLV 15	3.862				Si
922	20.11	1.1	0	4	-36566	188885	-83100	-2.02	1.92	-130257	672861	SLV 15	3.562				Si
951	20.11	1.1	0	4	-49594	249895	-82969	-2.02	1.92	-163829	825501	SLV 15	3.303				Si
980	20.11	1.1	0	4	-63006	309926	-82841	-2.02	1.92	-194184	955190	SLV 15	3.082				Si
1000	20.11	2.2	0	4,5	-258861	263090	-55444	-2.02	1.92	-948040	963530	SLV 3	3.662				Si
1029	20.11	2.2	0	4,5	238367	-159705	-62465	-2.02	1.92	963265	-645384	SLV 13	4.041				Si
1058	20.11	1.1	0	5	189990	-120455	-62334	-2.02	1.92	836908	-530606	SLV 13	4.405				Si
1087	20.11	1.1	0	5	145589	-81411	-62204	-2.02	1.92	701929	-392509	SLV 13	4.821				Si
1116	20.11	1.1	0	5	-2299	-58832	-63421	-2.02	1.92	-11934	-305447	SLV 15	5.192				Si
1145	20.11	1.1	0	5	-46523	3455	-63290	-2.02	1.92	-242039	17975	SLV 15	5.203				Si
1174	20.11	1.1	0	5	-33998	44122	-63160	-2.02	1.92	-177241	230019	SLV 15	5.213				Si
1203	20.11	1.1	0	5	-139694	78730	-61682	-2.02	1.92	-683770	385365	SLV 13	4.895				Si
1232	20.11	1.1	0	5	-183696	117792	-61551	-2.02	1.92	-823069	527778	SLV 13	4.481				Si
1261	20.11	1.1	0	5	217448	-218744	-54269	-2.02	1.92	888042	-893334	SLV 3	4.084				Si
1290	20.11	1.1	0	5	262752	-272049	-54139	-2.02	1.92	954808	-988592	SLV 3	3.634				Si
1310	20.11	2.2	0	5,6	-103049	359600	-40421	-2.02	1.92	-383300	1337568	SLV 1	3.72				Si
1339	20.11	2.2	0	5,6	-82975	288738	-40292	-2.02	1.92	-368961	1283923	SLV 1	4.447				Si
1368	20.11	1.1	0	6	-63027	216786	-40162	-2.02	1.92	-337034	1159257	SLV 1	5.347				Si
1397	20.11	1.1	0	6	146445	-87682	-44351	-2.02	1.92	893252	-534825	SLV 13	6.1				Si
1426	20.11	1.1	0	6	31815	-66285	-43010	-2.02	1.92	233420	-486317	SLV 15	7.337				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1455	20.11	1.1	0	6	-59262	11403	-44090	-2.02	1.92	-442577	85162	SLV 13	7.468				Si
1484	20.11	1.1	0	6	118174	-62086	-38430	-2.02	1.92	866755	-455371	SLV 3	7.335				Si
1513	20.11	1.1	0	6	67734	-148798	-39509	-2.02	1.92	423110	-929485	SLV 1	6.247				Si
1542	20.11	1.1	0	6	84206	-220335	-39379	-2.02	1.92	442119	-1156856	SLV 1	5.25				Si
1571	20.11	1.1	0	6	102963	-292276	-39248	-2.02	1.92	449154	-1274990	SLV 1	4.362				Si
1600	20.11	1.1	0	6	122778	-364376	-39118	-2.02	1.92	446188	-1324183	SLV 1	3.634				Si
1620	20.11	2.2	0	6,7,9,10	-59692	366095	-23646	-2.02	1.92	-233000	1429009	SLV 1	3.903				Si
1649	20.11	2.2	0	6,7,9,10	-56760	286125	-23518	-2.02	1.92	-278573	1404269	SLV 1	4.908				Si
1678	20.11	1.1	0	7,9,10	-54274	205074	-23387	-2.02	1.92	-355643	1343792	SLV 1	6.553				Si
1707	20.11	1.1	0	7,9,10	-52893	125001	-23257	-2.02	1.92	-477508	1128498	SLV 1	9.028				Si
1736	20.11	1.1	0	7,9,10	-97090	41802	-26494	-2.02	1.92	-1008760	434317	SLV 5	10.39				Si
1765	20.11	1.1	0	7,9,10	-186742	35503	-27400	-2.02	1.92	-1664657	316485	SLV 9	8.914				Si
1794	20.11	1.1	0	7,9,10	-281089	65005	-27270	-2.02	1.92	-1987452	459621	SLV 9	7.071				Si
1823	20.11	1.1	0	7,9,10	-380686	99559	-27139	-2.02	1.92	-2072518	542017	SLV 9	5.444				Si
1852	20.11	1.1	0	7,9,10	175479	-289671	-20755	-2.02	1.92	732968	-1209942	SLV 3	4.177				Si
1881	20.11	1.1	0	7,9,10	223906	-371070	-20624	-2.02	1.92	721544	-1195788	SLV 3	3.223				Si
1910	39.29	3.1	0	7,8,9,10,11,12,13,14	-684840	206791	-26750	-2.02	1.92	-2156501	651166	SLV 9	3.149				Si
1930	20.21	3.1	0	8,9,11,12,13,14,15	-152422	156240	-8571	-2.02	1.92	-461113	472664	SLV 3	3.025				Si
1960	10.68	3.6	0	8,9,11,12,13,14,15,16,17	-111597	120417	-8504	-2.02	1.92	-369731	398953	SLV 3	3.313				Si
1990	12.06	1.3	0	15,16,17	-71260	85663	-8436	-2.02	1.92	-367785	442118	SLV 3	5.161				Si
2020	12.06	1.3	0	15,16,17	-45969	74626	-6967	-2.02	1.92	-304716	494673	SLV 7	6.629				Si
2050	12.06	1.3	0	15,16,17	31027	-57286	-8665	-2.02	1.92	279339	-515741	SLV 9	9.003				Si
2080	12.06	1.3	0	15,16,17	44056	-68689	-8598	-2.02	1.92	317930	-495686	SLV 9	7.216				Si
2110	12.06	1.3	0	15,16,17	65549	-102441	-8530	-2.02	1.92	309348	-483453	SLV 9	4.719				Si
2140	12.06	1.3	0	15,16,17	91071	-144008	-8463	-2.02	1.92	298438	-471913	SLV 9	3.277				Si
2170	12.06	1.3	0	15,16,17	117551	-188209	-8395	-2.02	1.92	286397	-458546	SLV 9	2.436				Si
2200	15.4	2.7	0	15,16,17	143895	-232761	-8329	-2.02	1.92	309287	-500296	SLV 9	2.149				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	360939	-152726	-117456	890353	-376740	SLD 13	2.467	Si
-111	20.11	2.2	0	1,2	333658	-137450	-117326	842665	-347136	SLD 13	2.526	Si
-81	20.11	1.1	0	2	305919	-121912	-117194	791794	-315540	SLD 13	2.588	Si
-52	20.11	1.1	0	2	278202	-106378	-117061	738380	-282341	SLD 13	2.654	Si
-22	20.11	1.1	0	2	250512	-90850	-116929	682241	-247419	SLD 13	2.723	Si
7	20.11	1.1	0	2	98133	-53806	-118791	272010	-149143	SLD 15	2.772	Si
36	20.11	1.1	0	2	87156	-42007	-118658	241854	-116566	SLD 15	2.775	Si
66	20.11	1.1	0	2	76227	-30211	-118526	211761	-83926	SLD 15	2.778	Si
95	20.11	1.1	0	2	65372	-18425	-118394	181808	-51243	SLD 15	2.781	Si
125	20.11	1.1	0	2	54654	-6693	-118261	152172	-18634	SLD 15	2.784	Si
154	20.11	1.1	0	2	44268	5494	-118129	123390	15313	SLD 15	2.787	Si
184	20.11	1.1	0	2	34729	20375	-117997	96911	56856	SLD 15	2.791	Si
213	20.11	1.1	0	2	18293	34631	-117863	51105	96749	SLD 15	2.794	Si
242	20.11	1.1	0	2	269	49744	-117732	752	139123	SLD 15	2.797	Si
272	20.11	1.1	0	2	-5373	65162	-117599	-15044	182450	SLD 15	2.8	Si
301	20.11	1.1	0	2	-15515	80640	-117467	-43490	226042	SLD 15	2.803	Si
331	20.11	1.1	0	2	-26136	96147	-117335	-73343	269811	SLD 15	2.806	Si
360	20.11	1.1	0	2	-36755	111403	-117205	-103258	312971	SLD 15	2.809	Si
380	20.11	2.2	0	2,3	16985	-154828	-98615	55440	-505377	SLD 15	3.264	Si
409	20.11	2.2	0	2,3	16208	-125207	-98485	54191	-418611	SLD 15	3.343	Si
438	20.11	1.1	0	3	15794	-95618	-98354	52876	-320108	SLD 15	3.348	Si
467	20.11	1.1	0	3	16028	-66106	-98224	53731	-221602	SLD 15	3.352	Si
496	20.11	1.1	0	3	17367	-36880	-98093	58297	-123794	SLD 15	3.357	Si
525	20.11	1.1	0	3	-22252	-7945	-97963	-74793	-26703	SLD 15	3.361	Si
554	20.11	1.1	0	3	-3593	24773	-97832	-12094	83378	SLD 15	3.366	Si
583	20.11	1.1	0	3	-2722	53677	-97702	-9174	180898	SLD 15	3.37	Si
612	20.11	1.1	0	3	-2711	83135	-97571	-9149	280553	SLD 15	3.375	Si
641	20.11	1.1	0	3	-3236	112706	-97441	-10934	380854	SLD 15	3.379	Si
670	20.11	1.1	0	3	-4056	141808	-97313	-13655	477388	SLD 15	3.366	Si
690	20.11	2.2	0	3,4	136351	-78858	-78543	552421	-319488	SLD 13	4.051	Si
719	20.11	2.2	0	3,4	45050	-87006	-79335	186974	-361108	SLD 15	4.15	Si
748	20.11	1.1	0	4	39193	-65080	-79205	162934	-270550	SLD 15	4.157	Si
777	20.11	1.1	0	4	33963	-43279	-79074	141425	-180218	SLD 15	4.164	Si
806	20.11	1.1	0	4	29878	-22030	-78944	124621	-91886	SLD 15	4.171	Si
835	20.11	1.1	0	4	-4187	4824	-78813	-17492	20153	SLD 15	4.178	Si
864	20.11	1.1	0	4	-1053	24917	-78683	-4406	104272	SLD 15	4.185	Si
893	20.11	1.1	0	4	-5037	46307	-78552	-21114	194107	SLD 15	4.192	Si
922	20.11	1.1	0	4	-10262	68132	-78422	-43086	286066	SLD 15	4.199	Si
951	20.11	1.1	0	4	-16123	90067	-78291	-67810	378795	SLD 15	4.206	Si
980	20.11	1.1	0	4	121266	-111568	-72880	504371	-464035	SLD 3	4.159	Si
1000	20.11	2.2	0	4,5	128200	112534	-57571	632374	555098	SLD 5	4.933	Si
1029	20.11	2.2	0	4,5	105162	89463	-57440	549322	467315	SLD 5	5.224	Si
1058	20.11	1.1	0	5	35125	-54109	-60769	190320	-293184	SLD 15	5.418	Si
1087	20.11	1.1	0	5	29235	-37356	-60638	158745	-202846	SLD 15	5.43	Si
1116	20.11	1.1	0	5	1441	-21324	-60508	7840	-116042	SLD 15	5.442	Si
1145	20.11	1.1	0	5	-20552	-164	-60377	-112081	-897	SLD 15	5.454	Si
1174	20.11	1.1	0	5	-15296	11341	-60247	-83596	61983	SLD 15	5.465	Si
1203	20.11	1.1	0	5	-18271	33027	-60116	-100073	180898	SLD 15	5.477	Si
1232	20.11	1.1	0	5	-22927	49799	-59986	-125851	273352	SLD 15	5.489	Si
1261	20.11	1.1	0	5	-102582	-96753	-56396	-537794	-507235	SLD 5	5.243	Si
1290	20.11	1.1	0	5	-125744	-119829	-56266	-624385	-595010	SLD 5	4.966	Si
1310	20.11	2.2	0	5,6	-48141	164299	-41301	-287858	982418	SLD 1	5.979	Si
1339	20.11	2.2	0	5,6	-36412	131648	-41173	-236067	853510	SLD 1	6.483	Si
1368	20.11	1.1	0	6	71335	73100	-42296	501012	513408	SLD 5	7.023	Si
1397	20.11	1.1	0	6	59657	48556	-42165	450804	366920	SLD 5	7.557	Si
1426	20.11	1.1	0	6	32955	-16701	-42645	254453	-128955	SLD 13	7.721	Si
1455	20.11	1.1	0	6	-13517	2879	-42514	-104688	22298	SLD 13	7.745	Si
1484	20.11	1.1	0	6	-9870	9328	-42384	-76679	72470	SLD 13	7.769	Si
1513	20.11	1.1	0	6	46227	-69921	-40390	348053	-526451	SLD 1	7.529	Si
1542	20.11	1.1	0	6	56231	-102882	-40260	388156	-710182	SLD 1	6.903	Si
1571	20.11	1.1	0	6	67334	-136028	-40129	428344	-865346	SLD 1	6.362	Si
1600	20.11	1.1	0	6	78923	-169248	-39999	463570	-994115	SLD 1	5.874	Si
1620	20.11	2.2	0	6,7,9,10	120864	140313	-25515	898106	1042621	SLD 5	7.431	Si
1649	20.11	2.2	0	6,7,9,10	81763	109359	-25386	718373	960835	SLD 5	8.786	Si
1678	20.11	1.1	0	7,9,10	-28942	100254	-23824	-293600	1017038	SLD 1	10.145	Si
1707	20.11	1.1	0	7,9,10	-36229	61118	-23693	-421904	711756	SLD 1	11.646	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1736	20.11	1.1	0	7,9,10	-64115	20489	-24995	-795600	254241	SLD 5	12.409	Si
1765	20.11	1.1	0	7,9,10	-106762	9998	-25317	-1241008	116220	SLD 9	11.624	Si
1794	20.11	1.1	0	7,9,10	-153009	14012	-25187	-1612312	147651	SLD 9	10.537	Si
1823	20.11	1.1	0	7,9,10	-202183	20344	-25056	-1924288	193621	SLD 9	9.518	Si
1852	20.11	1.1	0	7,9,10	-252322	27167	-24926	-2156077	232139	SLD 9	8.545	Si
1881	20.11	1.1	0	7,9,10	27750	-181062	-22135	209566	-1367387	SLD 3	7.552	Si
1910	39.29	3.1	0	7,8,9,10,11,12,13,14	-352795	41138	-24667	-2519875	293833	SLD 9	7.143	Si
1930	20.21	3.1	0	8,9,11,12,13,14,15	-101727	83799	-8276	-528146	435067	SLD 3	5.192	Si
1960	10.68	3.6	0	8,9,11,12,13,14,15,16,17	-72934	63504	-8208	-433689	377615	SLD 3	5.946	Si
1990	12.06	1.3	0	15,16,17	-44315	43597	-8141	-414000	407288	SLD 3	9.342	Si
2020	12.06	1.3	0	15,16,17	20897	-33470	-8222	272267	-436067	SLD 9	13.029	Si
2050	12.06	1.3	0	15,16,17	31251	-20683	-8376	419543	-277661	SLD 5	13.425	Si
2080	12.06	1.3	0	15,16,17	47610	-27630	-8308	506238	-293794	SLD 5	10.633	Si
2110	12.06	1.3	0	15,16,17	60418	-55425	-8020	433920	-398061	SLD 9	7.182	Si
2140	12.06	1.3	0	15,16,17	82628	-79042	-7952	415186	-397165	SLD 9	5.025	Si
2170	12.06	1.3	0	15,16,17	105292	-103643	-7885	399494	-393237	SLD 9	3.794	Si
2200	15.4	2.7	0	15,16,17	127708	-128222	-7818	429124	-430851	SLD 9	3.36	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-409	-132108	SLU 16	15366	51797	52691	2.35	126.64	-307	-188991	SLU 52	15029	45487	45885	2.35	148.27	Si
-111	5X/2Y Ø8/10	-409	-131977	SLU 16	15366	51797	52691	2.35	126.64	-307	-188822	SLU 52	15029	45487	45947	2.35	148.27	Si
-81	5X/2Y Ø8/10	-409	-131845	SLU 16	15366	51797	52691	2.35	126.64	-307	-188650	SLU 52	15029	45487	46011	2.35	148.27	Si
-52	5X/2Y Ø8/10	-409	-131713	SLU 16	15366	51797	52691	2.35	126.64	-307	-188478	SLU 52	15029	45487	46074	2.35	148.27	Si
-22	5X/2Y Ø8/14.7	-409	-131580	SLU 16	15366	37388	50429	2.5	91.41	-307	-188306	SLU 52	15029	32833	44158	2.5	107.02	Si
7	5X/2Y Ø8/14.7	-409	-131448	SLU 16	15366	37388	50429	2.5	91.41	-307	-188134	SLU 52	15029	32833	44218	2.5	107.02	Si
36	5X/2Y Ø8/14.7	-409	-131316	SLU 16	15366	37388	50429	2.5	91.41	-307	-187962	SLU 52	15029	32833	44279	2.5	107.02	Si
66	5X/2Y Ø8/14.7	-409	-131183	SLU 16	15366	37388	50429	2.5	91.41	-307	-187790	SLU 52	15029	32833	44340	2.5	107.02	Si
95	5X/2Y Ø8/14.7	-409	-131051	SLU 16	15366	37388	50429	2.5	91.41	-307	-187618	SLU 52	15029	32833	44401	2.5	107.02	Si
125	5X/2Y Ø8/14.7	-409	-130919	SLU 16	15366	37388	50429	2.5	91.41	-307	-187446	SLU 52	15029	32833	44462	2.5	107.02	Si
154	5X/2Y Ø8/14.7	-409	-130786	SLU 16	15366	37388	50429	2.5	91.41	-307	-187274	SLU 52	15029	32833	44522	2.5	107.02	Si
184	5X/2Y Ø8/14.7	-409	-130654	SLU 16	15366	37388	50429	2.5	91.41	-307	-187102	SLU 52	15029	32833	44583	2.5	107.02	Si
213	5X/2Y Ø8/14.7	-409	-130520	SLU 16	15366	37388	50429	2.5	91.41	-307	-186928	SLU 52	15029	32833	44645	2.5	107.02	Si
242	5X/2Y Ø8/10	-409	-130389	SLU 16	15366	51792	52691	2.35	126.63	-307	-186758	SLU 52	15029	45482	46710	2.35	148.26	Si
272	5X/2Y Ø8/10	-409	-130257	SLU 16	15366	51792	52691	2.35	126.63	-307	-186586	SLU 52	15029	45482	46773	2.35	148.26	Si
301	5X/2Y Ø8/10	-409	-130125	SLU 16	15366	51792	52691	2.35	126.63	-307	-186414	SLU 52	15029	45482	46837	2.35	148.26	Si
331	5X/2Y Ø8/10	-409	-129992	SLU 16	15366	51792	52691	2.35	126.63	-307	-186241	SLU 52	15029	45482	46900	2.35	148.26	Si
360	5X/2Y Ø8/10	-409	-129862	SLU 16	15366	51792	52691	2.35	126.63	-307	-186072	SLU 52	15029	45482	46963	2.35	148.26	Si
380	5X/2Y Ø8/10	369	-128218	SLU 37	15366	51792	52691	2.35	140.27	447	-110052	SLU 16	15029	48385	55356	2.5	108.14	Si
409	5X/2Y Ø8/10	369	-128048	SLU 37	15366	51792	52691	2.35	140.27	447	-109922	SLU 16	15029	48385	55356	2.5	108.14	Si
438	5X/2Y Ø8/10	369	-127878	SLU 37	15366	51792	52691	2.35	140.27	447	-109791	SLU 16	15029	48385	55356	2.5	108.14	Si
467	5X/2Y Ø8/14.4	369	-127709	SLU 37	15366	38145	50429	2.5	103.31	447	-109661	SLU 16	15029	33497	55356	2.5	74.87	Si
496	5X/2Y Ø8/14.4	369	-127539	SLU 37	15366	38145	50429	2.5	103.31	447	-109530	SLU 16	15029	33497	55356	2.5	74.87	Si
525	5X/2Y Ø8/14.4	369	-127369	SLU 37	15366	38145	50429	2.5	103.31	447	-109400	SLU 16	15029	33497	55356	2.5	74.87	Si
554	5X/2Y Ø8/14.4	369	-127200	SLU 37	15366	38145	50429	2.5	103.31	447	-109269	SLU 16	15029	33497	55356	2.5	74.87	Si
583	5X/2Y Ø8/14.4	369	-127030	SLU 37	15366	38145	50429	2.5	103.31	447	-109139	SLU 16	15029	33497	55356	2.5	74.87	Si
612	5X/2Y Ø8/10	369	-126860	SLU 37	15366	51792	52691	2.35	140.27	447	-109008	SLU 16	15029	48385	55356	2.5	108.14	Si
641	5X/2Y Ø8/10	369	-126691	SLU 37	15366	51792	52691	2.35	140.27	447	-108878	SLU 16	15029	48385	55356	2.5	108.14	Si
670	5X/2Y Ø8/10	369	-126524	SLU 37	15366	51792	52691	2.35	140.27	447	-108750	SLU 16	15029	48385	55356	2.5	108.14	Si
690	5X/2Y Ø8/10	-221	-101201	SLU 43	15366	51792	52691	2.35	234.34	-160	-103671	SLU 36	15029	48385	55356	2.5	301.62	Si
719	5X/2Y Ø8/10	-221	-101031	SLU 43	15366	51792	52691	2.35	234.34	-160	-103501	SLU 36	15029	48385	55356	2.5	301.62	Si
748	5X/2Y Ø8/10	-221	-100861	SLU 43	15366	51792	52691	2.35	234.34	-160	-103332	SLU 36	15029	48385	55356	2.5	301.62	Si
777	5X/2Y Ø8/14.4	-221	-100692	SLU 43	15366	38145	50429	2.5	172.59	-160	-103162	SLU 36	15029	33497	55356	2.5	208.82	Si
806	5X/2Y Ø8/14.4	-221	-100522	SLU 43	15366	38145	50429	2.5	172.59	-160	-102992	SLU 36	15029	33497	55356	2.5	208.82	Si
835	5X/2Y Ø8/14.4	-221	-100353	SLU 43	15366	38145	50429	2.5	172.59	-160	-102823	SLU 36	15029	33497	55356	2.5	208.82	Si
864	5X/2Y Ø8/14.4	-221	-100183	SLU 43	15366	38145	50429	2.5	172.59	-160	-102653	SLU 36	15029	33497	55356	2.5	208.82	Si
893	5X/2Y Ø8/14.4	-221	-100013	SLU 43	15366	38145	50429	2.5	172.59	-160	-102483	SLU 36	15029	33497	55356	2.5	208.82	Si
922	5X/2Y Ø8/10	-221	-99844	SLU 43	15366	51792	52691	2.35	234.34	-160	-102314	SLU 36	15029	48385	55356	2.5	301.62	Si
951	5X/2Y Ø8/10	-221	-99674	SLU 43	15366	51792	52691	2.35	234.34	-160	-102144	SLU 36	15029	48385	55356	2.5	301.62	Si
980	5X/2Y Ø8/10	-221	-99507	SLU 43	15366	51792	52691	2.35	234.34	-160	-101977	SLU 36	15029	48385	55356	2.5	301.62	Si
1000	5X/2Y Ø8/10	-401	-78801	SLU 43	15366	51792	52691	2.35	129.31	-210	-82054	SLU 38	15029	48385	55356	2.5	230.95	Si
1029	5X/2Y Ø8/10	-401	-78631	SLU 43	15366	51792	52691	2.35	129.31	-210	-81884	SLU 38	15029	48385	55356	2.5	230.95	Si
1058	5X/2Y Ø8/10	-401	-78462	SLU 43	15366	51792	52691	2.35	129.31	-210	-81714	SLU 38	15029	48385	55356	2.5	230.95	Si
1087	5X/2Y Ø8/14.4	-401	-78292	SLU 43	15366	38145	50427	2.5	95.23	-210	-81545	SLU 38	15029	33497	55356	2.5	159.89	Si
1116	5X/2Y Ø8/14.4	-401	-78122	SLU 43	15366	38145	50405	2.5	95.23	-210	-81375	SLU 38	15029	33497	55356	2.5	159.89	Si
1145	5X/2Y Ø8/14.4	-401	-77953	SLU 43	15366	38145	50383	2.5	95.23	-210	-81205	SLU 38	15029	33497	55356	2.5	159.89	Si
1174	5X/2Y Ø8/14.4	-401	-77783	SLU 43	15366	38145	50361	2.5	95.23	-210	-81036	SLU 38	15029	33497	55356	2.5	159.89	Si
1203	5X/2Y Ø8/14.4	-401	-77613	SLU 43	15366	38145	50339	2.5	95.23	-210	-80866	SLU 38	15029	33497	55356	2.5	159.89	Si
1232	5X/2Y Ø8/10	-401	-77444	SLU 43	15366	51792	52574	2.35	129.31	-210	-80696	SLU 38	15029	48385	55356	2.5	230.95	Si
1261	5X/2Y Ø8/10	-401	-77274	SLU 43	15366	51792	52551	2.35	129.31	-210	-80527	SLU 38	15029	48385	55356	2.5	230.95	Si
1290	5X/2Y Ø8/10	-401	-77104	SLU 43	15366	51792	52528	2.35	129.31	-210	-80357	SLU 38	15029	48385	55356	2.5	230.95	Si
1310	5X/2Y Ø8/10	-446	-57112	SLU 44	14677	49588	51338	2.25	111.3	325	-68277	SLU 48	15029	48385	53938	2.5	148.78	Si
1339	5X/2Y Ø8/10	-446	-56945	SLU 44	14656	49588	51315	2.25	111.3	325	-68110	SLU 48	15029	48385	53914	2.5	148.78	Si
1368	5X/2Y Ø8/10	-446	-56775	SLU 44	14635	49588	51291	2.25	111.3	325	-67940	SLU 48	15029	48385	53890	2.5	148.78	Si
1397	5X/2Y Ø8/14.4	-446	-56606	SLU 44	14614	38145	47634	2.5	85.62	325	-67771	SLU 48	15029	33497	53866	2.5	103	Si
1426	5X/2Y Ø8/14.4	-446	-56436	SLU 44	14593	38145	47612	2.5	85.62	325	-67601	SLU 48	15029	33497	53842	2.5	103	Si
1455	5X/2Y Ø8/14.4	-446	-56267	SLU 44	14572	38145	47590	2.5	85.62	325	-67431	SLU 48	15029	33497	53818	2.5	103	Si
1484	5X/2Y Ø8/14.4	-446	-56097	SLU 44	14551	38145	47568	2.5	85.62	325	-67262	SLU 48	15029	33497	53794	2.5	103	Si
1513	5X/2Y Ø8/14.4	-446	-55927	SLU 44	14529	38145	47546	2.5	85.62	325	-67092	SLU 48	15029	33497	53770	2.5	103	Si
1542	5X/2Y Ø8/10	-446	-55758	SLU 44	14508	49588	51150	2.25	111.3	325	-66922	SLU 48	15029	48385	53746	2.5	148.78	Si
1571	5X/2Y Ø8/10	-446	-55588	SLU 44	14487	49588	51127	2.25	111.3	325	-66753	SLU 48	15029	48385	53722	2.5	148.78	Si
1600	5X/2Y Ø8/10	-446	-55418	SLU 44	14466	49588	51103	2.25	111.3	325	-66583	SLU 48	15029	48385	53698	2.5	148.78	Si
1620	5X/2Y Ø8/10	-632	-42720	SLU 52	12885	48486	50085	2.2	76.7	-937	-41186	SLU 47	12096	48385	50108	2.5	51.65	Si
1649	5X/2Y Ø8/10	-632	-42553	SLU 52	12864	48486	50061	2.2	76.7	-937	-41020	SLU 47	12073	48385	50084	2.5	51.65	Si
1678	5X/2Y Ø8/10	-632	-42384	SLU 52	12843	48486	50037	2.2	76.7	-937	-40850	SLU 47	12050	48385	50060	2.5	51.65	Si
1707	5X/2Y Ø8/14.4	-632	-42214	SLU 52	12822	38145	45780	2.5	60.34	-937	-40680	SLU 47	12027	33497	50036	2.5	35.76	Si
1736	5X/2Y Ø8/14.4	-632	-42044	SLU 52	12801	38145	45758	2.5	60.34	-937	-40511	SLU 47	12003	33497	50012	2.5	35.76	Si
1765	5X/2Y Ø8/14.4	-632	-41875	SLU 52	12780	38145	45737	2.5	60.34	-937	-40341	SLU 47	11980	33497	49988	2.5	35.76	Si
1794	5X/2Y Ø8/14.4	-632	-41705	SLU 52	12759	38145	45715	2.5	60.34	-937	-40171	SLU 47	11957	33497	49964	2.5	35.76	Si
1823	5X/2Y Ø8/14.4	-632	-41535	SLU 52	12738	38145	45693	2.5	60.34	-937	-40002	SLU 47	11934	33497	49940	2.5	35.76	Si
1852	5X/2Y Ø8/10	-632	-41366	SLU 52	12716	48486	49894	2.2	76.7	-937	-39832	SLU 47	11911	48385	49916	2.5	51.65	Si
1881	5X/2Y Ø8/10	-632	-41196	SLU 52	12695	48486	49870	2.2	76.7	-937	-39663	SLU 47	11887	48385	49892	2.5	51.65	Si
1910	5X/2Y Ø8/10	-632	-41029	SLU 52	12675	48486	49847	2.2	76.7	-937	-39496	SLU 47	11865	48385	49869	2.5	51.65	Si
1930	3X/2Y Ø8/10	-262	-12472	SLU 50	5298	24888	25785	1.9	94.89	1060	-14053	SLU 51	5533	21598	22303	2.45	20.38	Si
1960	3X/2Y Ø8/10	-262	-12384	SLU 50	5288	24888	25771	1.9	94.89	1060	-13965	SLU 51	5522	21598	22292	2.45	20.38	Si
1990	3X/2Y Ø8/10	-262	-12296	SLU 50	5277	24888	25758	1.9	94.89	1060	-13878	SLU 51	5511	21598	22280	2.45	20.38	Si
2020	3X/2Y Ø8/10	-262	-12208	SLU 50	5266	24888	25745	1.9	94.89	1060	-13790	SLU 51	5500	21598	22269	2.45	20.38	Si
2050	3X/2Y Ø8/10	-262	-12121	SLU 50	5255	24888	25731	1.9	94.89	1060	-13702	SLU 51	5489	21598	22258	2.45	20.38	Si
2080	3X/2Y Ø8/10	-262	-12033	SLU 50	5244	24888	25718	1.9	94.89	1060	-13614	SLU 51	5478	21598	22246	2.45	20.38	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
2110	3X/2Y Ø8/10	-262	-11945	SLU 50	5233	24888	25704	1.9	94.89	1060	-13527	SLU 51	5467	21598	22235	2.45	20.38	Si
2140	3X/2Y Ø8/10	-262	-11857	SLU 50	5223	24888	25691	1.9	94.89	1060	-14463	SLU 47	5584	21598	22357	2.45	20.37	Si
2170	3X/2Y Ø8/10	-262	-11770	SLU 50	5212	24888	25678	1.9	94.89	1060	-14376	SLU 47	5573	21598	22346	2.45	20.37	Si
2200	3X/2Y Ø8/10	-262	-11683	SLU 50	5201	24888	25664	1.9	94.89	1060	-14289	SLU 47	5562	21598	22334	2.45	20.37	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	1281	-123071	SLV 13	15366	51797	52691	2.35	40.44	-2884	-108955	SLV 9	15029	48390	55356	2.5	16.78	Si
-111	5X/2Y Ø8/10	1281	-122940	SLV 13	15366	51797	52691	2.35	40.44	-2884	-108825	SLV 9	15029	48390	55356	2.5	16.78	Si
-81	5X/2Y Ø8/10	1281	-122808	SLV 13	15366	51797	52691	2.35	40.44	-2884	-108693	SLV 9	15029	48390	55356	2.5	16.78	Si
-52	5X/2Y Ø8/10	1281	-122676	SLV 13	15366	51797	52691	2.35	40.44	-2884	-108561	SLV 9	15029	48390	55356	2.5	16.78	Si
-22	5X/2Y Ø8/14.7	1281	-122543	SLV 13	15366	37388	50429	2.5	29.19	-2884	-108428	SLV 9	15029	32833	55356	2.5	11.39	Si
7	5X/2Y Ø8/14.7	1281	-122411	SLV 13	15366	37388	50429	2.5	29.19	-2884	-108296	SLV 9	15029	32833	55356	2.5	11.39	Si
36	5X/2Y Ø8/14.7	1281	-122279	SLV 13	15366	37388	50429	2.5	29.19	-2884	-108164	SLV 9	15029	32833	55356	2.5	11.39	Si
66	5X/2Y Ø8/14.7	1281	-122146	SLV 13	15366	37388	50429	2.5	29.19	-2884	-108031	SLV 9	15029	32833	55356	2.5	11.39	Si
95	5X/2Y Ø8/14.7	1281	-122014	SLV 13	15366	37388	50429	2.5	29.19	-2884	-107899	SLV 9	15029	32833	55356	2.5	11.39	Si
125	5X/2Y Ø8/14.7	1281	-121882	SLV 13	15366	37388	50429	2.5	29.19	-2884	-107767	SLV 9	15029	32833	55356	2.5	11.39	Si
154	5X/2Y Ø8/14.7	1281	-121749	SLV 13	15366	37388	50429	2.5	29.19	-2884	-107634	SLV 9	15029	32833	55356	2.5	11.39	Si
184	5X/2Y Ø8/14.7	1281	-121617	SLV 13	15366	37388	50429	2.5	29.19	-2884	-107502	SLV 9	15029	32833	55356	2.5	11.39	Si
213	5X/2Y Ø8/14.7	1281	-121483	SLV 13	15366	37388	50429	2.5	29.19	-2884	-107368	SLV 9	15029	32833	55356	2.5	11.39	Si
242	5X/2Y Ø8/10	1281	-121352	SLV 13	15366	51792	52691	2.35	40.43	-2884	-107237	SLV 9	15029	48385	55356	2.5	16.78	Si
272	5X/2Y Ø8/10	1281	-121220	SLV 13	15366	51792	52691	2.35	40.43	-2884	-107105	SLV 9	15029	48385	55356	2.5	16.78	Si
301	5X/2Y Ø8/10	1281	-121088	SLV 13	15366	51792	52691	2.35	40.43	-2884	-106972	SLV 9	15029	48385	55356	2.5	16.78	Si
331	5X/2Y Ø8/10	1281	-120955	SLV 13	15366	51792	52691	2.35	40.43	-2884	-106840	SLV 9	15029	48385	55356	2.5	16.78	Si
360	5X/2Y Ø8/10	1281	-120825	SLV 13	15366	51792	52691	2.35	40.43	-2884	-106710	SLV 9	15029	48385	55356	2.5	16.78	Si
380	5X/2Y Ø8/10	2527	-105253	SLV 15	15366	51792	52691	2.35	20.49	2435	-97537	SLV 7	15029	48385	55356	2.5	19.87	Si
409	5X/2Y Ø8/10	2527	-105122	SLV 15	15366	51792	52691	2.35	20.49	2435	-97407	SLV 7	15029	48385	55356	2.5	19.87	Si
438	5X/2Y Ø8/10	2527	-104992	SLV 15	15366	51792	52691	2.35	20.49	2435	-97276	SLV 7	15029	48385	55356	2.5	19.87	Si
467	5X/2Y Ø8/14.4	2527	-104861	SLV 15	15366	38145	50429	2.5	15.09	2435	-97146	SLV 7	15029	33497	55356	2.5	13.76	Si
496	5X/2Y Ø8/14.4	2527	-104731	SLV 15	15366	38145	50429	2.5	15.09	2435	-97015	SLV 7	15029	33497	55356	2.5	13.76	Si
525	5X/2Y Ø8/14.4	2527	-104600	SLV 15	15366	38145	50429	2.5	15.09	2435	-96885	SLV 7	15029	33497	55356	2.5	13.76	Si
554	5X/2Y Ø8/14.4	2527	-104470	SLV 15	15366	38145	50429	2.5	15.09	2435	-96754	SLV 7	15029	33497	55356	2.5	13.76	Si
583	5X/2Y Ø8/14.4	2527	-104339	SLV 15	15366	38145	50429	2.5	15.09	2435	-96624	SLV 7	15029	33497	55356	2.5	13.76	Si
612	5X/2Y Ø8/10	2527	-104209	SLV 15	15366	51792	52691	2.35	20.49	2435	-96493	SLV 7	15029	48385	55356	2.5	19.87	Si
641	5X/2Y Ø8/10	2527	-104078	SLV 15	15366	51792	52691	2.35	20.49	2435	-96363	SLV 7	15029	48385	55356	2.5	19.87	Si
670	5X/2Y Ø8/10	2527	-103950	SLV 15	15366	51792	52691	2.35	20.49	2435	-96235	SLV 7	15029	48385	55356	2.5	19.87	Si
690	5X/2Y Ø8/10	-2319	-68583	SLV 1	15366	50690	52147	2.3	21.86	-2889	-74500	SLV 9	15029	48385	54818	2.5	16.75	Si
719	5X/2Y Ø8/10	-2319	-68452	SLV 1	15366	50690	52129	2.3	21.86	-2889	-74370	SLV 9	15029	48385	54799	2.5	16.75	Si
748	5X/2Y Ø8/10	-2319	-68322	SLV 1	15366	50690	52112	2.3	21.86	-2889	-74239	SLV 9	15029	48385	54781	2.5	16.75	Si
777	5X/2Y Ø8/14.4	-2319	-68191	SLV 1	15366	38145	49126	2.5	16.45	-2889	-74109	SLV 9	15029	33497	54762	2.5	11.59	Si
806	5X/2Y Ø8/14.4	-2319	-68061	SLV 1	15366	38145	49109	2.5	16.45	-2889	-73978	SLV 9	15029	33497	54744	2.5	11.59	Si
835	5X/2Y Ø8/14.4	-2319	-67930	SLV 1	15366	38145	49092	2.5	16.45	-2889	-73848	SLV 9	15029	33497	54726	2.5	11.59	Si
864	5X/2Y Ø8/14.4	-2319	-67800	SLV 1	15366	38145	49076	2.5	16.45	-2889	-73717	SLV 9	15029	33497	54707	2.5	11.59	Si
893	5X/2Y Ø8/14.4	-2319	-67669	SLV 1	15366	38145	49059	2.5	16.45	-2889	-73587	SLV 9	15029	33497	54689	2.5	11.59	Si
922	5X/2Y Ø8/10	-2319	-67539	SLV 1	15366	50690	52005	2.3	21.86	-2889	-73456	SLV 9	15029	48385	54670	2.5	16.75	Si
951	5X/2Y Ø8/10	-2319	-67408	SLV 1	15366	50690	51987	2.3	21.86	-2889	-73326	SLV 9	15029	48385	54652	2.5	16.75	Si
980	5X/2Y Ø8/10	-2319	-67280	SLV 1	15366	50690	51969	2.3	21.86	-2889	-73198	SLV 9	15029	48385	54634	2.5	16.75	Si
1000	5X/2Y Ø8/10	-2359	-54096	SLV 1	14301	49588	50920	2.25	21.02	-2661	-58048	SLV 9	14400	48385	52492	2.5	18.19	Si
1029	5X/2Y Ø8/10	-2359	-53965	SLV 1	14285	49588	50902	2.25	21.02	-2661	-57918	SLV 9	14382	48385	52473	2.5	18.19	Si
1058	5X/2Y Ø8/10	-2359	-53835	SLV 1	14269	49588	50884	2.25	21.02	-2661	-57787	SLV 9	14364	48385	52455	2.5	18.19	Si
1087	5X/2Y Ø8/14.4	-2359	-53704	SLV 1	14253	38145	47260	2.5	16.17	-2661	-57657	SLV 9	14347	33497	52436	2.5	12.59	Si
1116	5X/2Y Ø8/14.4	-2359	-53574	SLV 1	14236	38145	47243	2.5	16.17	-2661	-57526	SLV 9	14329	33497	52418	2.5	12.59	Si
1145	5X/2Y Ø8/14.4	-2359	-53443	SLV 1	14220	38145	47227	2.5	16.17	-2661	-57396	SLV 9	14311	33497	52400	2.5	12.59	Si
1174	5X/2Y Ø8/14.4	-2359	-53313	SLV 1	14204	38145	47210	2.5	16.17	-2661	-57265	SLV 9	14293	33497	52381	2.5	12.59	Si
1203	5X/2Y Ø8/14.4	-2359	-53182	SLV 1	14188	38145	47193	2.5	16.17	-2661	-57135	SLV 9	14275	33497	52363	2.5	12.59	Si
1232	5X/2Y Ø8/10	-2359	-53052	SLV 1	14171	49588	50775	2.25	21.02	-2661	-57004	SLV 9	14257	48385	52344	2.5	18.19	Si
1261	5X/2Y Ø8/10	-2359	-52921	SLV 1	14155	49588	50757	2.25	21.02	-2661	-56874	SLV 9	14240	48385	52326	2.5	18.19	Si
1290	5X/2Y Ø8/10	-2359	-52791	SLV 1	14139	49588	50739	2.25	21.02	-2661	-56743	SLV 9	14222	48385	52307	2.5	18.19	Si
1310	5X/2Y Ø8/10	-2494	-40421	SLV 1	12599	48486	49761	2.2	19.44	2503	-39311	SLV 7	11839	48385	49843	2.5	19.33	Si
1339	5X/2Y Ø8/10	-2494	-40292	SLV 1	12583	48486	49743	2.2	19.44	2503	-39183	SLV 7	11822	48385	49825	2.5	19.33	Si
1368	5X/2Y Ø8/10	-2494	-40162	SLV 1	12567	48486	49725	2.2	19.44	2503	-39052	SLV 7	11804	48385	49806	2.5	19.33	Si
1397	5X/2Y Ø8/14.4	-2494	-40031	SLV 1	12550	38145	45499	2.5	15.29	2503	-38922	SLV 7	11786	33497	49788	2.5	13.38	Si
1426	5X/2Y Ø8/14.4	-2494	-39901	SLV 1	12534	38145	45482	2.5	15.29	2503	-38791	SLV 7	11768	33497	49769	2.5	13.38	Si
1455	5X/2Y Ø8/14.4	-2494	-39770	SLV 1	12518	38145	45466	2.5	15.29	2503	-38661	SLV 7	11750	33497	49751	2.5	13.38	Si
1484	5X/2Y Ø8/14.4	-2494	-39640	SLV 1	12502	38145	45449	2.5	15.29	2503	-38530	SLV 7	11733	33497	49732	2.5	13.38	Si
1513	5X/2Y Ø8/14.4	-2494	-39509	SLV 1	12485	38145	45432	2.5	15.29	2503	-38400	SLV 7	11715	33497	49714	2.5	13.38	Si
1542	5X/2Y Ø8/10	-2494	-39379	SLV 1	12469	48486	49614	2.2	19.44	2503	-38269	SLV 7	11697	48385	49695	2.5	19.33	Si
1571	5X/2Y Ø8/10	-2494	-39248	SLV 1	12453	48486	49596	2.2	19.44	2503	-38139	SLV 7	11679	48385	49677	2.5	19.33	Si
1600	5X/2Y Ø8/10	-2494	-39118	SLV 1	12437	48486	49578	2.2	19.44	2503	-38008	SLV 7	11661	48385	49659	2.5	19.33	Si
1620	5X/2Y Ø8/10	-2820	-21797	SLV 3	10280	47384	47851	2.15	16.81	-3565	-28051	SLV 9	10300	47417	48957	2.45	13.3	Si
1649	5X/2Y Ø8/10	-2820	-21668	SLV 3	10264	47384	47833	2.15	16.81	-3565	-27922	SLV 9	10283	47417	48939	2.45	13.3	Si
1678	5X/2Y Ø8/10	-2820	-21538	SLV 3	10248	47384	47814	2.15	16.81	-3565	-27792	SLV 9	10265	47417	48920	2.45	13.3	Si
1707	5X/2Y Ø8/14.4	-2820	-21407	SLV 3	10232	38145	43101	2.5	13.53	-3565	-27661	SLV 9	10247	33497	48196	2.5	9.4	Si
1736	5X/2Y Ø8/14.4	-2820	-21277	SLV 3	10215	38145	43084	2.5	13.53	-3565	-27531	SLV 9	10229	33497	48177	2.5	9.4	Si
1765	5X/2Y Ø8/14.4	-2820	-21146	SLV 3	10199	38145	43067	2.5	13.53	-3565	-27400	SLV 9	10212	33497	48159	2.5	9.4	Si
1794	5X/2Y Ø8/14.4	-2820	-21016	SLV 3	10183	38145	43050	2.5	13.53	-3565	-27270	SLV 9	10194	33497	48140	2.5	9.4	Si
1823	5X/2Y Ø8/14.4	-2820	-20885	SLV 3	10167	38145	43033	2.5	13.53	-3565	-27139	SLV 9	10176	33497	48122	2.5	9.4	Si
1852	5X/2Y Ø8/10	-2820	-20755	SLV 3	10150	47384	47703	2.15	16.81	-3565	-27009	SLV 9	10158	47417	48808	2.45	13.3	Si
1881	5X/2Y Ø8/10	-2820	-20624	SLV 3	10134	47384	47684	2.15	16.81	-3565	-26878	SLV 9	10140	47417	48789	2.45	13.3	Si
1910	5X/2Y Ø8/10	-2820	-20496	SLV 3	10118	47384	47666	2.15	16.81	-3565	-26750	SLV 9	10123	47417	48771	2.45	13.3	Si
1930	3X/2Y Ø8/10	-1566	-9452	SLV 5	4926	24888	25324	1.9	15.9	1701	-9256	SLV 1	4936	21598	21676	2.45	12.7	Si
1960	3X/2Y Ø8/10	-1566	-9384	SLV 5	4918	24888	25314	1.9	15.9	1701	-9188	SLV 1	4927	21598	21668	2.45	12.7	Si
1990	3X/2Y Ø8/10	-1566	-9317	SLV 5	4909	24888	25304	1.9	15.9	1701	-9121	SLV 1	4919	21598	21659	2.45	12.7	Si
2020	3X/2Y Ø8/10	-1566	-9249	SLV 5	4901	24888	25293	1.9	15.9	1701	-9053	SLV 1	4910	21598	21650	2.45	12.7	Si
2050	3X/2Y Ø8/10	-1566	-9182	SLV 5	4893	24888	25283	1.9	15.9	1701	-8986	SLV 1	4902	21598	21641	2.45	12.7	Si
2080	3X/2Y Ø8/10	-1566	-9114	SLV 5	4884	24888	25273	1.9	15.9	1701	-8918	SLV 1	4894	21598	21632	2.45	12.7	Si
2110	3X/2Y Ø8/10	-1566	-9047	SLV 5	4876	24888	25262	1.9	15.9	1701	-8851	SLV 1	4885	21598	21624	2.45	12.7	Si
2140	3X/2Y Ø8/10	-1566	-8979	SLV 5	4868	24888	25252	1.9	15.9	1701	-8783	SLV 1	4877	21598	21615	2.45	12.7	Si
2170	3X/2Y Ø8/10	-1566	-8912	SLV 5	4859	24888	25242	1.9	15.9	1701	-8716	SLV 1	4868	21598	21606	2.45	12.7	Si
2200	3X/2Y Ø8/10	-1566	-8845	SLV 5	4851	24888	25232	1.9	15.9	1701	-8649	SLV 1	4860	21158	21915	2.4	12.44	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	529	-117456	SLD 13	19266	55104	50429	2.5	95.37	-1273	-111903	SLD 9	19310	48390	55356	2.5	38.01	Si
-111	5X/2Y Ø8/10	529	-117326	SLD 13	19266	55104	50429	2.5	95.37	-1273	-111772	SLD 9	19310	48390	55356	2.5	38.01	Si
-81	5X/2Y Ø8/10	529	-117194	SLD 13	19266	55104	50429	2.5	95.37	-1273	-111640	SLD 9	19310	48390	55356	2.5	38.01	Si
-52	5X/2Y Ø8/10	529	-117061	SLD 13	19266	55104	50429	2.5	95.37	-1273	-111508	SLD 9	19310	48390	55356	2.5	38.01	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-22	5X/2Y Ø8/14.7	529	-116929	SLD 13	19266	37388	50429	2.5	70.71	-1273	-111375	SLD 9	19310	32833	55356	2.5	25.79	Si
7	5X/2Y Ø8/14.7	529	-116797	SLD 13	19266	37388	50429	2.5	70.71	-1273	-111243	SLD 9	19310	32833	55356	2.5	25.79	Si
36	5X/2Y Ø8/14.7	529	-116664	SLD 13	19266	37388	50429	2.5	70.71	-1273	-111111	SLD 9	19310	32833	55356	2.5	25.79	Si
66	5X/2Y Ø8/14.7	529	-116532	SLD 13	19266	37388	50429	2.5	70.71	-1273	-110978	SLD 9	19310	32833	55356	2.5	25.79	Si
95	5X/2Y Ø8/14.7	529	-116400	SLD 13	19266	37388	50429	2.5	70.71	-1273	-110846	SLD 9	19310	32833	55356	2.5	25.79	Si
125	5X/2Y Ø8/14.7	529	-116267	SLD 13	19266	37388	50429	2.5	70.71	-1273	-110714	SLD 9	19310	32833	55356	2.5	25.79	Si
154	5X/2Y Ø8/14.7	529	-116135	SLD 13	19266	37388	50429	2.5	70.71	-1273	-110581	SLD 9	19310	32833	55356	2.5	25.79	Si
184	5X/2Y Ø8/14.7	529	-116003	SLD 13	19266	37388	50429	2.5	70.71	-1273	-110449	SLD 9	19310	32833	55356	2.5	25.79	Si
213	5X/2Y Ø8/14.7	529	-115869	SLD 13	19266	37388	50429	2.5	70.71	-1273	-110315	SLD 9	19310	32833	55356	2.5	25.79	Si
242	5X/2Y Ø8/10	529	-115738	SLD 13	19266	55098	50429	2.5	95.37	-1273	-110184	SLD 9	19310	48385	55356	2.5	38.01	Si
272	5X/2Y Ø8/10	529	-115606	SLD 13	19266	55098	50429	2.5	95.37	-1273	-110052	SLD 9	19310	48385	55356	2.5	38.01	Si
301	5X/2Y Ø8/10	529	-115473	SLD 13	19266	55098	50429	2.5	95.37	-1273	-109920	SLD 9	19310	48385	55356	2.5	38.01	Si
331	5X/2Y Ø8/10	529	-115341	SLD 13	19266	55098	50429	2.5	95.37	-1273	-109787	SLD 9	19310	48385	55356	2.5	38.01	Si
360	5X/2Y Ø8/10	529	-115211	SLD 13	19266	55098	50429	2.5	95.37	-1273	-109657	SLD 9	19310	48385	55356	2.5	38.01	Si
380	5X/2Y Ø8/10	1023	-98615	SLD 15	19266	55098	50429	2.5	49.29	1013	-95577	SLD 7	19310	48385	55356	2.5	47.75	Si
409	5X/2Y Ø8/10	1023	-98485	SLD 15	19266	55098	50429	2.5	49.29	1013	-95447	SLD 7	19310	48385	55356	2.5	47.75	Si
438	5X/2Y Ø8/10	1023	-98354	SLD 15	19266	55098	50429	2.5	49.29	1013	-95316	SLD 7	19310	48385	55356	2.5	47.75	Si
467	5X/2Y Ø8/14.4	1023	-98224	SLD 15	19266	38145	50429	2.5	37.28	1013	-95186	SLD 7	19310	33497	55356	2.5	33.06	Si
496	5X/2Y Ø8/14.4	1023	-98093	SLD 15	19266	38145	50429	2.5	37.28	1013	-95055	SLD 7	19310	33497	55356	2.5	33.06	Si
525	5X/2Y Ø8/14.4	1023	-97963	SLD 15	19266	38145	50429	2.5	37.28	1013	-94925	SLD 7	19310	33497	55356	2.5	33.06	Si
554	5X/2Y Ø8/14.4	1023	-97832	SLD 15	19266	38145	50429	2.5	37.28	1013	-94794	SLD 7	19310	33497	55356	2.5	33.06	Si
583	5X/2Y Ø8/14.4	1023	-97702	SLD 15	19266	38145	50429	2.5	37.28	1013	-94664	SLD 7	19310	33497	55356	2.5	33.06	Si
612	5X/2Y Ø8/10	1023	-97571	SLD 15	19266	55098	50429	2.5	49.29	1013	-94533	SLD 7	19310	48385	55356	2.5	47.75	Si
641	5X/2Y Ø8/10	1023	-97441	SLD 15	19266	55098	50429	2.5	49.29	1013	-94403	SLD 7	19310	48385	55356	2.5	47.75	Si
670	5X/2Y Ø8/10	1023	-97313	SLD 15	19266	55098	50429	2.5	49.29	1013	-94275	SLD 7	19310	48385	55356	2.5	47.75	Si
690	5X/2Y Ø8/10	-969	-73261	SLD 1	16687	55098	49779	2.5	51.36	-1165	-75618	SLD 9	16801	48385	54976	2.5	41.54	Si
719	5X/2Y Ø8/10	-969	-73130	SLD 1	16671	55098	49762	2.5	51.35	-1165	-75487	SLD 9	16783	48385	54957	2.5	41.54	Si
748	5X/2Y Ø8/10	-969	-73000	SLD 1	16655	55098	49745	2.5	51.33	-1165	-75357	SLD 9	16766	48385	54939	2.5	41.54	Si
777	5X/2Y Ø8/14.4	-969	-72869	SLD 1	16639	38145	49728	2.5	39.36	-1165	-75226	SLD 9	16748	33497	54920	2.5	28.76	Si
806	5X/2Y Ø8/14.4	-969	-72739	SLD 1	16622	38145	49712	2.5	39.36	-1165	-75096	SLD 9	16730	33497	54902	2.5	28.76	Si
835	5X/2Y Ø8/14.4	-969	-72608	SLD 1	16606	38145	49695	2.5	39.36	-1165	-74965	SLD 9	16712	33497	54884	2.5	28.76	Si
864	5X/2Y Ø8/14.4	-969	-72478	SLD 1	16590	38145	49678	2.5	39.36	-1165	-74835	SLD 9	16694	33497	54865	2.5	28.76	Si
893	5X/2Y Ø8/14.4	-969	-72347	SLD 1	16574	38145	49661	2.5	39.36	-1165	-74704	SLD 9	16676	33497	54847	2.5	28.76	Si
922	5X/2Y Ø8/10	-969	-72217	SLD 1	16557	55098	49644	2.5	51.22	-1165	-74574	SLD 9	16659	48385	54828	2.5	41.54	Si
951	5X/2Y Ø8/10	-969	-72086	SLD 1	16541	55098	49628	2.5	51.21	-1165	-74443	SLD 9	16641	48385	54810	2.5	41.54	Si
980	5X/2Y Ø8/10	-969	-71958	SLD 1	16525	55098	49611	2.5	51.19	-1165	-74315	SLD 9	16623	48385	54792	2.5	41.54	Si
1000	5X/2Y Ø8/10	-1071	-57009	SLD 1	14664	55098	47686	2.5	44.51	-1102	-58610	SLD 9	14477	48385	52571	2.5	43.91	Si
1029	5X/2Y Ø8/10	-1071	-56879	SLD 1	14648	55098	47669	2.5	44.49	-1102	-58479	SLD 9	14459	48385	52553	2.5	43.91	Si
1058	5X/2Y Ø8/10	-1071	-56748	SLD 1	14632	55098	47652	2.5	44.48	-1102	-58349	SLD 9	14441	48385	52534	2.5	43.91	Si
1087	5X/2Y Ø8/14.4	-1071	-56618	SLD 1	14615	38145	47635	2.5	35.6	-1102	-58218	SLD 9	14423	33497	52516	2.5	30.4	Si
1116	5X/2Y Ø8/14.4	-1071	-56487	SLD 1	14599	38145	47619	2.5	35.6	-1102	-58088	SLD 9	14405	33497	52497	2.5	30.4	Si
1145	5X/2Y Ø8/14.4	-1071	-56357	SLD 1	14583	38145	47602	2.5	35.6	-1102	-57957	SLD 9	14388	33497	52479	2.5	30.4	Si
1174	5X/2Y Ø8/14.4	-1071	-56226	SLD 1	14567	38145	47585	2.5	35.6	-1102	-57827	SLD 9	14370	33497	52461	2.5	30.4	Si
1203	5X/2Y Ø8/14.4	-1071	-56096	SLD 1	14550	38145	47568	2.5	35.6	-1102	-57696	SLD 9	14352	33497	52442	2.5	30.4	Si
1232	5X/2Y Ø8/10	-1071	-55965	SLD 1	14534	55098	47551	2.5	44.39	-1102	-57566	SLD 9	14334	48385	52424	2.5	43.91	Si
1261	5X/2Y Ø8/10	-1071	-55835	SLD 1	14518	55098	47535	2.5	44.37	-1102	-57435	SLD 9	14316	48385	52405	2.5	43.91	Si
1290	5X/2Y Ø8/10	-1071	-55704	SLD 1	14502	55098	47518	2.5	44.35	-1102	-57305	SLD 9	14298	48385	52387	2.5	43.91	Si
1310	5X/2Y Ø8/10	-1149	-41301	SLD 1	12708	55098	45663	2.5	39.73	1146	-40837	SLD 7	12048	48385	50059	2.5	42.23	Si
1339	5X/2Y Ø8/10	-1149	-41173	SLD 1	12692	55098	45646	2.5	39.72	1146	-40709	SLD 7	12030	48385	50040	2.5	42.23	Si
1368	5X/2Y Ø8/10	-1149	-41043	SLD 1	12676	55098	45629	2.5	39.7	1146	-40579	SLD 7	12013	48385	50022	2.5	42.23	Si
1397	5X/2Y Ø8/14.4	-1149	-40912	SLD 1	12660	38145	45613	2.5	33.19	1146	-40448	SLD 7	11995	33497	50004	2.5	29.23	Si
1426	5X/2Y Ø8/14.4	-1149	-40782	SLD 1	12644	38145	45596	2.5	33.19	1146	-40318	SLD 7	11977	33497	49985	2.5	29.23	Si
1455	5X/2Y Ø8/14.4	-1149	-40651	SLD 1	12628	38145	45579	2.5	33.19	1146	-40187	SLD 7	11959	33497	49967	2.5	29.23	Si
1484	5X/2Y Ø8/14.4	-1149	-40521	SLD 1	12611	38145	45562	2.5	33.19	1146	-40057	SLD 7	11941	33497	49948	2.5	29.23	Si
1513	5X/2Y Ø8/14.4	-1149	-40390	SLD 1	12595	38145	45545	2.5	33.19	1146	-39926	SLD 7	11923	33497	49930	2.5	29.23	Si
1542	5X/2Y Ø8/10	-1149	-40260	SLD 1	12579	55098	45529	2.5	39.62	1146	-39796	SLD 7	11906	48385	49911	2.5	42.23	Si
1571	5X/2Y Ø8/10	-1149	-40129	SLD 1	12563	55098	45512	2.5	39.6	1146	-39665	SLD 7	11888	48385	49893	2.5	42.23	Si
1600	5X/2Y Ø8/10	-1149	-39999	SLD 1	12546	55098	45495	2.5	39.59	1146	-39535	SLD 7	11870	48385	49874	2.5	42.23	Si
1620	5X/2Y Ø8/10	-1377	-23308	SLD 3	10468	55098	43345	2.5	31.48	-1768	-25967	SLD 9	10016	48385	47956	2.5	27.13	Si
1649	5X/2Y Ø8/10	-1377	-23179	SLD 3	10452	55098	43329	2.5	31.47	-1768	-25839	SLD 9	9998	48385	47938	2.5	27.12	Si
1678	5X/2Y Ø8/10	-1377	-23049	SLD 3	10436	55098	43312	2.5	31.46	-1768	-25709	SLD 9	9980	48385	47920	2.5	27.11	Si
1707	5X/2Y Ø8/14.4	-1377	-22918	SLD 3	10420	38145	43295	2.5	27.71	-1768	-25578	SLD 9	9963	33497	47901	2.5	18.95	Si
1736	5X/2Y Ø8/14.4	-1377	-22788	SLD 3	10404	38145	43278	2.5	27.71	-1768	-25448	SLD 9	9945	33497	47883	2.5	18.95	Si
1765	5X/2Y Ø8/14.4	-1377	-22657	SLD 3	10387	38145	43262	2.5	27.71	-1768	-25317	SLD 9	9927	33497	47864	2.5	18.95	Si
1794	5X/2Y Ø8/14.4	-1377	-22527	SLD 3	10371	38145	43245	2.5	27.71	-1768	-25187	SLD 9	9909	33497	47846	2.5	18.95	Si
1823	5X/2Y Ø8/14.4	-1377	-22396	SLD 3	10355	38145	43228	2.5	27.71	-1768	-25056	SLD 9	9891	33497	47827	2.5	18.95	Si
1852	5X/2Y Ø8/10	-1377	-22266	SLD 3	10339	55098	43211	2.5	31.39	-1768	-24926	SLD 9	9873	48385	47809	2.5	27.05	Si
1881	5X/2Y Ø8/10	-1377	-22135	SLD 3	10322	55098	43194	2.5	31.37	-1768	-24795	SLD 9	9856	48385	47791	2.5	27.04	Si
1910	5X/2Y Ø8/10	-1377	-22007	SLD 3	10306	53996	43810	2.45	31.82	-1768	-24667	SLD 9	9838	48385	47772	2.5	27.03	Si
1930	3X/2Y Ø8/10	-852	-8646	SLD 5	4826	28818	23035	2.2	27.03	1114	-8565	SLD 1	4850	22039	21275	2.5	19.09	Si
1960	3X/2Y Ø8/10	-852	-8578	SLD 5	4818	28818	23025	2.2	27.02	1114	-8498	SLD 1	4841	22039	21266	2.5	19.09	Si
1990	3X/2Y Ø8/10	-852	-8511	SLD 5	4810	28818	23016	2.2	27	1114	-8430	SLD 1	4833	22039	21257	2.5	19.08	Si
2020	3X/2Y Ø8/10	-852	-8443	SLD 5	4801	28818	23006	2.2	26.99	1114	-8363	SLD 1	4824	22039	21249	2.5	19.07	Si
2050	3X/2Y Ø8/10	-852	-8376	SLD 5	4793	28818	22997	2.2	26.98	1114	-8295	SLD 1	4816	22039	21240	2.5	19.06	Si
2080	3X/2Y Ø8/10	-852	-8308	SLD 5	4785	28818	22987	2.2	26.97	1114	-8228	SLD 1	4808	22039	21231	2.5	19.06	Si
2110	3X/2Y Ø8/10	-852	-8241	SLD 5	4777	28818	22978	2.2	26.96	1114	-8160	SLD 1	4799	22039	21223	2.5	19.05	Si
2140	3X/2Y Ø8/10	-852	-8173	SLD 5	4768	28818	22969	2.2	26.95	1114	-8093	SLD 1	4791	22039	21214	2.5	19.04	Si
2170	3X/2Y Ø8/10	-852	-8106	SLD 5	4760	28818	22959	2.2	26.94	1114	-8025	SLD 1	4782	22039	21205	2.5	19.03	Si
2200	3X/2Y Ø8/10	-852	-8039	SLD 5	4752	28818	22950	2.2	26.93	1114	-7959	SLD 1	4774	22039	21197	2.5	19.02	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	94492	34361	-133671	SLE RA 13	-71.2	94492	34361	-133671	SLE RA 13	-1039.6	Si
-111	87944	31623	-133541	SLE RA 13	-70.6	87944	31623	-133541	SLE RA 13	-1032.5	Si
-81	81284	28837	-133408	SLE RA 13	-70	81284	28837	-133408	SLE RA 13	-1025.2	Si
-52	74623	26051	-133276	SLE RA 13	-69.3	74623	26051	-133276	SLE RA 13	-1017.9	Si
-22	67962	23265	-133144	SLE RA 13	-68.7	67962	23265	-133144	SLE RA 13	-1010.6	Si
7	61301	20480	-133011	SLE RA 13	-68.1	61301	20480	-133011	SLE RA 13	-1003.3	Si
36	54641	17694	-132879	SLE RA 13	-67.4	54641	17694	-132879	SLE RA 13	-996	Si
66	47980	14908	-132747	SLE RA 13	-66.8	47980	14908	-132747	SLE RA 13	-988.7	Si
95	41319	12122	-132614	SLE RA 13	-66.2	41319	12122	-132614	SLE RA 13	-981.4	Si
125	42034	9654	-132125	SLE RA 12	-65.7	42034	9654	-132125	SLE RA 12	-976.1	Si
154	35662	11793	-131993	SLE RA 12	-65.6	35662	11793	-131993	SLE RA 12	-973.3	Si
184	29290	13932	-131860	SLE RA 12	-65.4	29290	13932	-131860	SLE RA 12	-970.6	Si
213	22856	16092	-131727	SLE RA 12	-65.2	22856	16092	-131727	SLE RA 12	-967.8	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
242	16545	18210	-131596	SLE RA 12	-65.1	16545	18210	-131596	SLE RA 12	-965	Si
272	10173	20349	-131463	SLE RA 12	-64.9	10173	20349	-131463	SLE RA 12	-962.2	Si
301	3801	22489	-131331	SLE RA 12	-64.7	3801	22489	-131331	SLE RA 12	-959.5	Si
331	-2572	24628	-131199	SLE RA 12	-64.8	-2572	24628	-131199	SLE RA 12	-959.7	Si
360	-8836	26730	-131068	SLE RA 12	-65.2	-8836	26730	-131068	SLE RA 12	-964.3	Si
380	-22830	-41615	-111337	SLE RA 13	-57.9	-22830	-41615	-111337	SLE RA 13	-844.8	Si
409	-17093	-34914	-111206	SLE RA 13	-56.9	-17093	-34914	-111206	SLE RA 13	-834.6	Si
438	-11356	-28213	-111076	SLE RA 13	-56	-11356	-28213	-111076	SLE RA 13	-824.4	Si
467	-5619	-21512	-110945	SLE RA 13	-55	-5619	-21512	-110945	SLE RA 13	-814.2	Si
496	117	-14810	-110815	SLE RA 13	-54.1	117	-14810	-110815	SLE RA 13	-804.4	Si
525	5854	-8109	-110684	SLE RA 13	-53.7	5854	-8109	-110684	SLE RA 13	-800.6	Si
554	11591	-1408	-110554	SLE RA 13	-53.3	11591	-1408	-110554	SLE RA 13	-797.1	Si
583	17328	5293	-110423	SLE RA 13	-53.8	17328	5293	-110423	SLE RA 13	-802.9	Si
612	23064	11995	-110293	SLE RA 13	-54.7	23064	11995	-110293	SLE RA 13	-811.3	Si
641	28801	18696	-110162	SLE RA 13	-55.5	28801	18696	-110162	SLE RA 13	-819.6	Si
670	34439	25282	-110034	SLE RA 13	-56.3	34439	25282	-110034	SLE RA 13	-827.8	Si
690	29506	3501	-90131	SLE RA 12	-44.6	29212	1521	-90512	SLE RA 13	-664.4	Si
719	27570	1273	-90382	SLE RA 13	-44.4	27570	1273	-90382	SLE RA 13	-662.3	Si
748	25928	1026	-90251	SLE RA 13	-44.3	25928	1026	-90251	SLE RA 13	-660.2	Si
777	24286	778	-90121	SLE RA 13	-44.1	24286	778	-90121	SLE RA 13	-658.1	Si
806	22644	530	-89990	SLE RA 13	-43.9	22644	530	-89990	SLE RA 13	-656	Si
835	21002	283	-89860	SLE RA 13	-43.8	21002	283	-89860	SLE RA 13	-653.9	Si
864	19361	35	-89729	SLE RA 13	-43.6	19361	35	-89729	SLE RA 13	-651.8	Si
893	17719	-213	-89599	SLE RA 13	-43.5	17719	-213	-89599	SLE RA 13	-650	Si
922	16077	-461	-89468	SLE RA 13	-43.4	16077	-461	-89468	SLE RA 13	-648.4	Si
951	14435	-708	-89338	SLE RA 13	-43.3	14435	-708	-89338	SLE RA 13	-646.7	Si
980	12822	-952	-89209	SLE RA 13	-43.1	12822	-952	-89209	SLE RA 13	-645.1	Si
1000	22735	22645	-70387	SLE RA 13	-36.6	22735	22645	-70387	SLE RA 13	-535.7	Si
1029	19271	17460	-70256	SLE RA 13	-35.9	19271	17460	-70256	SLE RA 13	-528.1	Si
1058	15806	12274	-70126	SLE RA 13	-35.2	15806	12274	-70126	SLE RA 13	-520.6	Si
1087	12342	7088	-69995	SLE RA 13	-34.5	12342	7088	-69995	SLE RA 13	-513.1	Si
1116	8877	1902	-69865	SLE RA 13	-33.8	8877	1902	-69865	SLE RA 13	-505.5	Si
1145	5413	-3284	-69734	SLE RA 13	-33.7	5413	-3284	-69734	SLE RA 13	-503.8	Si
1174	1948	-8470	-69604	SLE RA 13	-34	1948	-8470	-69604	SLE RA 13	-505.4	Si
1203	-3868	-14658	-69192	SLE RA 12	-34.4	-3868	-14658	-69192	SLE RA 12	-509.1	Si
1232	-7466	-20137	-69062	SLE RA 12	-35.1	-7466	-20137	-69062	SLE RA 12	-515.1	Si
1261	-11064	-25616	-68931	SLE RA 12	-35.7	-11064	-25616	-68931	SLE RA 12	-521.1	Si
1290	-14661	-31095	-68801	SLE RA 12	-36.3	-14661	-31095	-68801	SLE RA 12	-527.1	Si
1310	-2458	26885	-50625	SLE RA 13	-26.7	-2458	26885	-50625	SLE RA 13	-386.5	Si
1339	3500	21013	-50497	SLE RA 13	-26.1	3500	21013	-50497	SLE RA 13	-381	Si
1368	9563	15037	-50366	SLE RA 13	-25.8	9563	15037	-50366	SLE RA 13	-378.4	Si
1397	15626	9062	-50236	SLE RA 13	-25.5	15626	9062	-50236	SLE RA 13	-375.7	Si
1426	21689	3087	-50105	SLE RA 13	-25.2	21689	3087	-50105	SLE RA 13	-373	Si
1455	27752	-2889	-49975	SLE RA 13	-25.4	27752	-2889	-49975	SLE RA 13	-375.5	Si
1484	33815	-8864	-49844	SLE RA 13	-26.1	33815	-8864	-49844	SLE RA 13	-383.4	Si
1513	39878	-14840	-49714	SLE RA 13	-26.9	39878	-14840	-49714	SLE RA 13	-391.2	Si
1542	45940	-20815	-49583	SLE RA 13	-27.7	45940	-20815	-49583	SLE RA 13	-399.1	Si
1571	52003	-26790	-49453	SLE RA 13	-28.4	52003	-26790	-49453	SLE RA 13	-407	Si
1600	58066	-32766	-49322	SLE RA 13	-29.2	58066	-32766	-49322	SLE RA 13	-414.9	Si
1620	29219	52814	-30266	SLE RA 13	-20.6	29219	52814	-30266	SLE RA 13	-279.8	Si
1649	10355	40083	-30138	SLE RA 13	-18.5	10355	40083	-30138	SLE RA 13	-256.6	Si
1678	-8841	27128	-30007	SLE RA 13	-17.2	-8841	27128	-30007	SLE RA 13	-243.3	Si
1707	-28037	14174	-29877	SLE RA 13	-16.8	-28037	14174	-29877	SLE RA 13	-242.2	Si
1736	-47233	1219	-29746	SLE RA 13	-16.5	-47233	1219	-29746	SLE RA 13	-241	Si
1765	-66429	-11735	-29616	SLE RA 13	-18.3	-66429	-11735	-29616	SLE RA 13	-260.6	Si
1794	-85624	-24690	-29485	SLE RA 13	-20.3	-85624	-24690	-29485	SLE RA 13	-282.3	Si
1823	-104820	-37644	-29355	SLE RA 13	-22.4	-104820	-37644	-29355	SLE RA 13	-304	Si
1852	-124016	-50599	-29224	SLE RA 13	-24.4	-124016	-50599	-29224	SLE RA 13	-325.8	Si
1881	-143212	-63553	-29094	SLE RA 13	-26.4	-143212	-63553	-29094	SLE RA 13	-347.5	Si
1910	-162077	-76285	-28966	SLE RA 13	-23.8	-162077	-76285	-28966	SLE RA 13	-340.3	Si
1930	-68439	15912	-10746	SLE RA 8	-21.9	-68439	15912	-10746	SLE RA 8	-259.4	Si
1960	-45796	10805	-10678	SLE RA 8	-20.4	-45796	10805	-10678	SLE RA 8	-251.1	Si
1990	-23153	5699	-10611	SLE RA 8	-15	-23153	5699	-10611	SLE RA 8	-197.4	Si
2020	844	1290	-10570	SLE RA 9	-10.2	844	1290	-10570	SLE RA 9	-150.5	Si
2050	23187	-3994	-10503	SLE RA 9	-14.6	23187	-3994	-10503	SLE RA 9	-192.8	Si
2080	45530	-9278	-10435	SLE RA 9	-19.5	45530	-9278	-10435	SLE RA 9	-239.8	Si
2110	67873	-14563	-10368	SLE RA 9	-24.4	67873	-14563	-10368	SLE RA 9	-286.9	Si
2140	90216	-19847	-10300	SLE RA 9	-29.3	90216	-19847	-10300	SLE RA 9	-333.9	Si
2170	112790	-27973	-9550	SLE RA 13	-41.8	112790	-27973	-9550	SLE RA 13	-426.5	Si
2200	135181	-33142	-9457	SLE RA 12	-46.4	134742	-33508	-9484	SLE RA 13	-460.5	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²

Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	82391	-3358	-113842	SLE QP 2	-58.4	Si
-111	77188	-2218	-113712	SLE QP 2	-58	Si
-81	71896	-1058	-113580	SLE QP 2	-57.5	Si
-52	66604	102	-113448	SLE QP 2	-57.1	Si
-22	61312	1261	-113315	SLE QP 2	-56.9	Si
7	56019	2421	-113183	SLE QP 2	-56.7	Si
36	50727	3581	-113051	SLE QP 2	-56.5	Si
66	45435	4741	-112918	SLE QP 2	-56.3	Si
95	40142	5901	-112786	SLE QP 2	-56.1	Si
125	34850	7061	-112654	SLE QP 2	-55.9	Si
154	29558	8220	-112521	SLE QP 2	-55.7	Si
184	24266	9380	-112389	SLE QP 2	-55.5	Si
213	18922	10551	-112255	SLE QP 2	-55.3	Si
242	13681	11700	-112124	SLE QP 2	-55.1	Si
272	8389	12860	-111992	SLE QP 2	-54.9	Si
301	3097	14020	-111859	SLE QP 2	-54.7	Si
331	-2196	15179	-111727	SLE QP 2	-54.7	Si
360	-7398	16320	-111597	SLE QP 2	-54.9	Si
380	-6685	-10065	-94292	SLE QP 2	-46.1	Si
409	-3889	-8351	-94162	SLE QP 2	-45.8	Si
438	-1094	-6638	-94031	SLE QP 2	-45.4	Si
467	1701	-4925	-93901	SLE QP 2	-45.2	Si
496	4497	-3212	-93770	SLE QP 2	-45.1	Si
525	7292	-1498	-93640	SLE QP 2	-45	Si
554	10088	215	-93509	SLE QP 2	-45	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
583	12883	1928	-93379	SLE QP 2	-45.2	Si
612	15678	3641	-93248	SLE QP 2	-45.4	Si
641	18474	5355	-93118	SLE QP 2	-45.7	Si
670	21221	7038	-92989	SLE QP 2	-45.9	Si
690	22904	15039	-76363	SLE QP 2	-38.8	Si
719	21161	12010	-76233	SLE QP 2	-38.4	Si
748	19417	8981	-76102	SLE QP 2	-38	Si
777	17673	5952	-75972	SLE QP 2	-37.5	Si
806	15930	2923	-75841	SLE QP 2	-37.1	Si
835	14186	-106	-75711	SLE QP 2	-36.7	Si
864	12442	-3135	-75580	SLE QP 2	-36.8	Si
893	10698	-6164	-75450	SLE QP 2	-37	Si
922	8955	-9193	-75319	SLE QP 2	-37.1	Si
951	7211	-12222	-75189	SLE QP 2	-37.2	Si
980	5497	-15199	-75060	SLE QP 2	-37.4	Si
1000	14929	32028	-59019	SLE QP 2	-31.7	Si
1029	12471	25042	-58889	SLE QP 2	-30.9	Si
1058	10012	18055	-58758	SLE QP 2	-30.1	Si
1087	7553	11069	-58628	SLE QP 2	-29.3	Si
1116	5095	4083	-58497	SLE QP 2	-28.4	Si
1145	2636	-2903	-58367	SLE QP 2	-28.2	Si
1174	177	-9889	-58236	SLE QP 2	-28.6	Si
1203	-2281	-16876	-58106	SLE QP 2	-29.3	Si
1232	-4740	-23862	-57975	SLE QP 2	-30	Si
1261	-7198	-30848	-57845	SLE QP 2	-30.7	Si
1290	-9657	-37834	-57714	SLE QP 2	-31.4	Si
1310	-3985	34937	-41975	SLE QP 2	-23.4	Si
1339	1081	27413	-41847	SLE QP 2	-22.5	Si
1368	6235	19757	-41717	SLE QP 2	-22	Si
1397	11390	12101	-41586	SLE QP 2	-21.4	Si
1426	16545	4445	-41456	SLE QP 2	-20.9	Si
1455	21700	-3211	-41325	SLE QP 2	-21	Si
1484	26855	-10868	-41195	SLE QP 2	-21.9	Si
1513	32010	-18524	-41064	SLE QP 2	-22.7	Si
1542	37165	-26180	-40934	SLE QP 2	-23.6	Si
1571	42319	-33836	-40803	SLE QP 2	-24.5	Si
1600	47474	-41492	-40673	SLE QP 2	-25.4	Si
1620	20773	53755	-24450	SLE QP 2	-17.5	Si
1649	6492	41700	-24321	SLE QP 2	-15.7	Si
1678	-8040	29434	-24191	SLE QP 2	-14.6	Si
1707	-22571	17168	-24060	SLE QP 2	-14.1	Si
1736	-37103	4902	-23930	SLE QP 2	-13.6	Si
1765	-51634	-7364	-23799	SLE QP 2	-14.4	Si
1794	-66166	-19630	-23669	SLE QP 2	-16.2	Si
1823	-80698	-31896	-23538	SLE QP 2	-17.9	Si
1852	-95229	-44162	-23408	SLE QP 2	-19.7	Si
1881	-109761	-56428	-23277	SLE QP 2	-21.4	Si
1910	-124042	-68483	-23149	SLE QP 2	-19.4	Si
1930	-58344	15509	-8053	SLE QP 2	-18.2	Si
1960	-39160	10427	-7985	SLE QP 2	-16.6	Si
1990	-19976	5345	-7918	SLE QP 2	-11.9	Si
2020	-792	263	-7850	SLE QP 2	-7.5	Si
2050	18392	-4819	-7783	SLE QP 2	-11.4	Si
2080	37576	-9901	-7715	SLE QP 2	-15.7	Si
2110	56760	-14983	-7648	SLE QP 2	-20	Si
2140	75944	-20065	-7580	SLE QP 2	-24.3	Si
2170	95128	-25147	-7513	SLE QP 2	-35.9	Si
2200	113992	-30145	-7446	SLE QP 2	-39.9	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

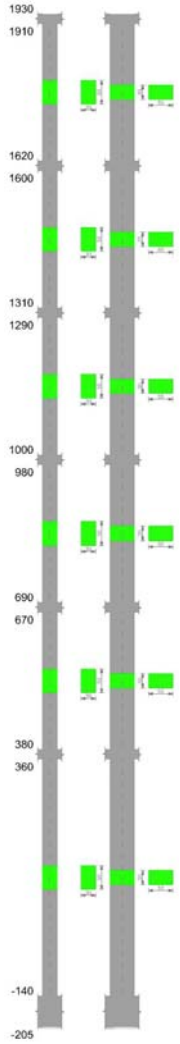
Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 2220 in quanto elemento di estremità superiore alla pilastrata.

Pilastro 34B

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x50	No	No	No	No		C30/37	B450C	
380	670	R 30x50	No	No	No	No		C30/37	B450C	
690	980	R 30x50	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	
1620	1910	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.67	-19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.67	19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.67	19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.9	-6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.9	6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.9	-6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.9	6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.2	-9.67	-19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.67	-19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.67	19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.67	19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.9	-6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.9	6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.9	-6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.9	6.9	1.6	2.011	-140	380	R 30x50	B450C
p.3	-9.67	-19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	9.67	-19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	9.67	19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.67	19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.9	-6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.9	6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	9.9	-6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	9.9	6.9	1.6	2.011	380	690	R 30x50	B450C
p.4	-9.67	-19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.67	-19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.67	19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.67	19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.9	-6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.9	6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.9	-6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.9	6.9	1.6	2.011	690	1000	R 30x50	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.5	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.5	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.6	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.6	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.6	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.6	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.6	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.6	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.6	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.6	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.7	-9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.7	9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.7	9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.7	-9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.8	-9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.8	-9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.8	9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.8	9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2.1	0	1,2	-343776	-343776	-126738	-667210	-667210	SLU 52	1.941	Si
-111	16.08	2.1	0	1,2	-343393	-343393	-126597	-667210	-667210	SLU 52	1.943	Si
-81	16.08	1.1	0	2	-343004	-343004	-126453	-667210	-667210	SLU 52	1.945	Si
-52	16.08	1.1	0	2	-342616	-342616	-126310	-667210	-667210	SLU 52	1.947	Si
-22	16.08	1.1	0	2	-342227	-342227	-126166	-667210	-667210	SLU 52	1.95	Si
7	16.08	1.1	0	2	-341838	-341838	-126023	-667210	-667210	SLU 52	1.952	Si
36	16.08	1.1	0	2	-341449	-341449	-125880	-667210	-667210	SLU 52	1.954	Si
66	16.08	1.1	0	2	-341060	-341060	-125736	-667210	-667210	SLU 52	1.956	Si
95	16.08	1.1	0	2	-340671	-340671	-125593	-667210	-667210	SLU 52	1.959	Si
125	16.08	1.1	0	2	-340282	-340282	-125450	-667210	-667210	SLU 52	1.961	Si
154	16.08	1.1	0	2	-339893	-339893	-125306	-667210	-667210	SLU 52	1.963	Si
184	16.08	1.1	0	2	339504	-339504	-125163	667210	-667210	SLU 52	1.965	Si
213	16.08	1.1	0	2	339111	-339111	-125018	667210	-667210	SLU 52	1.968	Si
242	16.08	1.1	0	2	338726	-338726	-124876	667210	-667210	SLU 52	1.97	Si
272	16.08	1.1	0	2	338337	-338337	-124733	667210	-667210	SLU 52	1.972	Si
301	16.08	1.1	0	2	337948	-337948	-124589	667210	-667210	SLU 52	1.974	Si
331	16.08	1.1	0	2	337560	-337560	-124446	667210	-667210	SLU 52	1.977	Si
360	16.08	1.1	0	2	337177	-337177	-124305	667210	-667210	SLU 52	1.979	Si
380	16.08	2.1	0	2,3	211834	293869	-105917	499480	692909	SLU 51	2.358	Si
409	16.08	2.1	0	2,3	211552	244452	-105776	518377	598994	SLU 51	2.45	Si
438	16.08	1.1	0	3	211565	211565	-105783	530708	530708	SLU 52	2.508	Si
467	16.08	1.1	0	3	211283	211283	-105641	530708	530708	SLU 52	2.512	Si
496	16.08	1.1	0	3	211000	211000	-105500	530708	530708	SLU 52	2.515	Si
525	16.08	1.1	0	3	210717	210717	-105359	530708	530708	SLU 52	2.519	Si
554	16.08	1.1	0	3	210434	-210434	-105217	530708	-530708	SLU 52	2.522	Si
583	16.08	1.1	0	3	210152	-210152	-105076	530708	-530708	SLU 52	2.525	Si
612	16.08	1.1	0	3	209869	-209869	-104934	530708	-530708	SLU 52	2.529	Si
641	16.08	1.1	0	3	-209586	-209586	-104793	-530708	-530708	SLU 52	2.532	Si
670	16.08	1.1	0	3	-209303	-209303	-104652	-530708	-530708	SLU 52	2.536	Si
690	16.08	2.1	0	3,4	172688	187916	-86344	523639	569815	SLU 52	3.032	Si
719	16.08	2.1	0	3,4	172410	172410	-86205	530708	530708	SLU 52	3.078	Si
748	16.08	1.1	0	4	172127	172127	-86063	530708	530708	SLU 52	3.083	Si
777	16.08	1.1	0	4	171844	171844	-85922	530708	530708	SLU 52	3.088	Si
806	16.08	1.1	0	4	171561	171561	-85781	530708	530708	SLU 52	3.093	Si
835	16.08	1.1	0	4	-171279	-171279	-85639	-530708	-530708	SLU 52	3.099	Si
864	16.08	1.1	0	4	-170996	-170996	-85498	-530708	-530708	SLU 52	3.104	Si
893	16.08	1.1	0	4	-170713	-170713	-85357	-530708	-530708	SLU 52	3.109	Si
922	16.08	1.1	0	4	-170430	-170430	-85215	-530708	-530708	SLU 52	3.114	Si
951	16.08	1.1	0	4	-170148	-176749	-85074	-527571	-548040	SLU 52	3.101	Si
980	16.08	1.1	0	4	-169870	-216645	-84935	-508583	-648627	SLU 52	2.994	Si
1000	16.08	2.1	0	4,5	132177	256053	-66089	457229	885740	SLU 52	3.459	Si
1029	16.08	2.1	0	4,5	131895	204321	-65947	486902	754272	SLU 52	3.692	Si
1058	16.08	1.1	0	5	131612	152589	-65806	518079	600655	SLU 52	3.936	Si
1087	16.08	1.1	0	5	131329	131329	-65665	530708	530708	SLU 52	4.041	Si
1116	16.08	1.1	0	5	131046	131046	-65523	530708	530708	SLU 52	4.05	Si
1145	16.08	1.1	0	5	130764	-130764	-65382	530708	-530708	SLU 52	4.059	Si
1174	16.08	1.1	0	5	130481	-130481	-65240	530708	-530708	SLU 52	4.067	Si
1203	16.08	1.1	0	5	130198	-130198	-65099	530708	-530708	SLU 52	4.076	Si
1232	16.08	1.1	0	5	129915	-157801	-64958	513630	-623878	SLU 52	3.954	Si
1261	16.08	1.1	0	5	129633	-209533	-64816	481883	-778895	SLU 52	3.717	Si
1290	16.08	1.1	0	5	129350	-261264	-64675	451106	-911157	SLU 52	3.487	Si
1310	16.08	2.1	0	5,6	91285	247909	-45643	402384	1092778	SLU 52	4.408	Si
1339	16.08	2.1	0	5,6	91008	201363	-45504	437043	967002	SLU 52	4.802	Si
1368	16.08	1.1	0	6	90725	154001	-45362	475911	807835	SLU 52	5.246	Si
1397	16.08	1.1	0	6	90442	106639	-45221	516561	609067	SLU 52	5.712	Si
1426	16.08	1.1	0	6	90159	90159	-45080	530708	530708	SLU 52	5.886	Si
1455	16.08	1.1	0	6	89877	89877	-44938	530708	530708	SLU 52	5.905	Si
1484	16.08	1.1	0	6	-89594	-89594	-44797	-530708	-530708	SLU 52	5.923	Si
1513	16.08	1.1	0	6	-89311	-89311	-44656	-530708	-530708	SLU 52	5.942	Si
1542	16.08	1.1	0	6	-89028	-130174	-44514	-493569	-721678	SLU 52	5.544	Si
1571	16.08	1.1	0	6	-88746	-177536	-44373	-452524	-905277	SLU 52	5.099	Si
1600	16.08	1.1	0	6	-88463	-224899	-44231	-413895	-1052244	SLU 52	4.679	Si
1620	16.08	2.1	0	6,7,8	50040	300170	-25020	243152	1458584	SLU 52	4.859	Si
1649	16.08	2.1	0	6,7,8	49762	227917	-24881	297433	1362294	SLU 52	5.977	Si
1678	16.08	1.1	0	7,8	49479	154397	-24739	376434	1174646	SLU 52	7.608	Si
1707	16.08	1.1	0	7,8	49196	80877	-24598	479855	788863	SLU 52	9.754	Si
1736	16.08	1.1	0	7,8	48913	48913	-24457	530708	530708	SLU 52	10.85	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1765	16.08	1.1	0	7,8	48631	-66164	-24315	501632	-682490	SLU 52	10.315	Si
1794	16.08	1.1	0	7,8	48348	-139684	-24174	390950	-1129511	SLU 52	8.086	Si
1823	16.08	1.1	0	7,8	48065	-213204	-24033	303985	-1348395	SLU 52	6.324	Si
1852	16.08	1.1	0	7,8	52012	-286725	-23891	263437	-1452251	SLU 52	5.065	Si
1881	16.08	1.1	0	7,8	56694	-360245	-23750	230769	-1466347	SLU 52	4.07	Si
1910	16.08	1.1	0	7,8	61377	-433765	-23608	195389	-1380871	SLU 52	3.183	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	16.08	2.1	0	1,2	-975270	-172735	-87277	-2.02	1.92	-1583677	-280493	SLV 7	1.624				Si
-111	16.08	2.1	0	1,2	-904290	-161319	-87168	-2.02	1.92	-1554089	-277239	SLV 7	1.719				Si
-81	16.08	1.1	0	2	-832112	-149707	-87058	-2.02	1.92	-1514715	-272515	SLV 7	1.82				Si
-52	16.08	1.1	0	2	-759975	-138095	-86948	-2.02	1.92	-1464726	-266156	SLV 7	1.927				Si
-22	16.08	1.1	0	2	-687889	-126485	-86837	-2.02	1.92	-1402904	-257958	SLV 7	2.039				Si
7	16.08	1.1	0	2	-615870	-114877	-86727	-2.02	1.92	-1327617	-247638	SLV 7	2.156				Si
36	16.08	1.1	0	2	-543947	-103272	-86617	-2.02	1.92	-1238507	-235139	SLV 7	2.277				Si
66	16.08	1.1	0	2	-472167	-91672	-86506	-2.02	1.92	-1134865	-220336	SLV 7	2.404				Si
95	16.08	1.1	0	2	-400594	-80082	-86396	-2.02	1.92	-1017234	-203353	SLV 7	2.539				Si
125	16.08	1.1	0	2	-329359	-68512	-86286	-2.02	1.92	-886031	-184310	SLV 7	2.69				Si
154	16.08	1.1	0	2	-258785	-57013	-86176	-2.02	1.92	-739745	-162975	SLV 7	2.859				Si
184	16.08	1.1	0	2	-189508	-46513	-86065	-2.02	1.92	-576697	-141546	SLV 7	3.043				Si
213	16.08	1.1	0	2	-122659	-44764	-85954	-2.02	1.92	-387825	-141534	SLV 7	3.162				Si
242	16.08	1.1	0	2	-69115	-52241	-85845	-2.02	1.92	-218806	-165386	SLV 7	3.166				Si
272	16.08	1.1	0	2	8908	-61370	-85734	-2.02	1.92	28237	-194536	SLV 7	3.17				Si
301	16.08	1.1	0	2	94034	-70272	-85624	-2.02	1.92	298462	-223043	SLV 7	3.174				Si
331	16.08	1.1	0	2	196554	47798	-81705	-2.02	1.92	619371	150618	SLV 11	3.151				Si
360	16.08	1.1	0	2	232982	91007	-81597	-2.02	1.92	683581	267019	SLV 11	2.934				Si
380	16.08	2.1	0	2,3	-78730	272568	-72213	-2.02	1.92	-225409	780377	SLV 3	2.863				Si
409	16.08	2.1	0	2,3	-68361	224310	-72105	-2.02	1.92	-208999	685784	SLV 3	3.057				Si
438	16.08	1.1	0	3	-60209	176148	-71996	-2.02	1.92	-197057	576507	SLV 3	3.273				Si
467	16.08	1.1	0	3	-55136	128220	-71887	-2.02	1.92	-193666	450373	SLV 3	3.513				Si
496	16.08	1.1	0	3	-69105	51741	-72531	-2.02	1.92	-258931	193869	SLV 7	3.747				Si
525	16.08	1.1	0	3	418	23067	-72423	-2.02	1.92	1569	86561	SLV 7	3.753				Si
554	16.08	1.1	0	3	121632	-20345	-72314	-2.02	1.92	457116	-76459	SLV 7	3.758				Si
583	16.08	1.1	0	3	112426	-68478	-71452	-2.02	1.92	412753	-251406	SLV 3	3.671				Si
612	16.08	1.1	0	3	122152	-116348	-71343	-2.02	1.92	417632	-397789	SLV 3	3.419				Si
641	16.08	1.1	0	3	133704	-164490	-71235	-2.02	1.92	426473	-524668	SLV 3	3.19				Si
670	16.08	1.1	0	3	146511	-212738	-71126	-2.02	1.92	437254	-634908	SLV 3	2.984				Si
690	16.08	2.1	0	3,4	-143314	206404	-59201	-2.02	1.92	-484760	698161	SLV 7	3.383				Si
719	16.08	2.1	0	3,4	-121166	163789	-59094	-2.02	1.92	-443666	599738	SLV 7	3.662				Si
748	16.08	1.1	0	4	-99783	120563	-58985	-2.02	1.92	-397418	480183	SLV 7	3.983				Si
777	16.08	1.1	0	4	-80513	77685	-58877	-2.02	1.92	-350424	338115	SLV 7	4.352				Si
806	16.08	1.1	0	4	-65258	36204	-58768	-2.02	1.92	-301780	167425	SLV 7	4.624				Si
835	16.08	1.1	0	4	-19708	-2986	-58659	-2.02	1.92	-91306	-13834	SLV 7	4.633				Si
864	16.08	1.1	0	4	90237	-60493	-57966	-2.02	1.92	405384	-271760	SLV 3	4.492				Si
893	16.08	1.1	0	4	96314	-103331	-57857	-2.02	1.92	401162	-430389	SLV 3	4.165				Si
922	16.08	1.1	0	4	108384	-146822	-57749	-2.02	1.92	417672	-565798	SLV 3	3.854				Si
951	16.08	1.1	0	4	124500	-190859	-57640	-2.02	1.92	444210	-680972	SLV 3	3.568				Si
980	16.08	1.1	0	4	142898	-272016	-57533	-2.02	1.92	445485	-848013	SLV 3	3.118				Si
1000	16.08	2.1	0	4,5	-155396	293536	-44795	-2.02	1.92	-504979	953881	SLV 3	3.25				Si
1029	16.08	2.1	0	4,5	-108970	206594	-45220	-2.02	1.92	-439751	833716	SLV 7	4.036				Si
1058	16.08	1.1	0	5	68991	176634	-44578	-2.02	1.92	309040	791212	SLV 3	4.479				Si
1087	16.08	1.1	0	5	127293	108689	-41981	-2.02	1.92	636076	543114	SLV 1	4.997				Si
1116	16.08	1.1	0	5	126344	52560	-44360	-2.02	1.92	678158	282121	SLV 3	5.368				Si
1145	16.08	1.1	0	5	126846	-16615	-44785	-2.02	1.92	721708	-94533	SLV 7	5.69				Si
1174	16.08	1.1	0	5	143830	-69576	-44143	-2.02	1.92	733975	-355054	SLV 3	5.103				Si
1203	16.08	1.1	0	5	160349	-125244	-44034	-2.02	1.92	726405	-567374	SLV 3	4.53				Si
1232	16.08	1.1	0	5	180172	-182981	-43925	-2.02	1.92	716836	-728012	SLV 3	3.979				Si
1261	16.08	1.1	0	5	202276	-241333	-43816	-2.02	1.92	700462	-835711	SLV 3	3.463				Si
1290	16.08	1.1	0	5	225978	-299943	-43708	-2.02	1.92	677833	-899694	SLV 3	3				Si
1310	16.08	2.1	0	5,6	-201459	291349	-30743	-2.02	1.92	-648431	937757	SLV 3	3.219				Si
1339	16.08	2.1	0	5,6	-178243	235638	-30636	-2.02	1.92	-689256	911200	SLV 3	3.867				Si
1368	16.08	1.1	0	6	-156592	179131	-30527	-2.02	1.92	-735722	841621	SLV 3	4.698				Si
1397	16.08	1.1	0	6	133936	123073	-30419	-2.02	1.92	766241	704096	SLV 3	5.721				Si
1426	16.08	1.1	0	6	134590	68669	-30310	-2.02	1.92	891485	454839	SLV 3	6.624				Si
1455	16.08	1.1	0	6	110496	12660	-30582	-2.02	1.92	873251	100049	SLV 7	7.903				Si
1484	16.08	1.1	0	6	115668	-46770	-30092	-2.02	1.92	840522	-339866	SLV 3	7.267				Si
1513	16.08	1.1	0	6	118670	-110313	-29984	-2.02	1.92	725828	-674713	SLV 3	6.116				Si
1542	16.08	1.1	0	6	128541	-166367	-29875	-2.02	1.92	659071	-853019	SLV 3	5.127				Si
1571	16.08	1.1	0	6	143750	-222872	-29766	-2.02	1.92	608050	-942727	SLV 3	4.23				Si
1600	16.08	1.1	0	6	162805	-279560	-29657	-2.02	1.92	569098	-977224	SLV 3	3.496				Si
1620	16.08	2.1	0	6,7,8	101266	311225	-16662	-2.02	1.92	346562	1065105	SLV 3	3.422				Si
1649	16.08	2.1	0	6,7,8	119520	236485	-16555	-2.02	1.92	501475	992229	SLV 3	4.196				Si
1678	16.08	1.1	0	7,8	107869	160511	-16446	-2.02	1.92	634519	944179	SLV 3	5.882				Si
1707	16.08	1.1	0	7,8	94280	84859	-16337	-2.02	1.92	851057	766008	SLV 3	9.027				Si
1736	16.08	1.1	0	7,8	101726	12879	-16541	-2.02	1.92	1255100	158899	SLV 7	12.338				Si
1765	16.08	1.1	0	7,8	100215	-62522	-16120	-2.02	1.92	1001646	-624909	SLV 3	9.995				Si
1794	16.08	1.1	0	7,8	162328	-127641	-16323	-2.02	1.92	970953	-763478	SLV 7	5.981				Si
1823	16.08	1.1	0	7,8	153557	-220897	-15902	-2.02	1.92	636440	-915539	SLV 3	4.145				Si
1852	16.08	1.1	0	7,8	188439	-296946	-15793	-2.02	1.92	583641	-919717	SLV 3	3.097				Si
1881	16.08	1.1	0	7,8	225282	-373027	-15685	-2.02	1.92	511508	-846967	SLV 3	2.271				Si
1910	16.08	1.1	0	7,8	263168	-449124	-15576	-2.02	1.92	461750	-788026	SLV 3	1.755				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2.1	0	1,2	-437009	-142326	-81521	-1067337	-347614	SLD 7	2.442	Si
-111	16.08	2.1	0	1,2	-404305	-133493	-81413	-1017276	-335882	SLD 7	2.516	Si
-81	16.08	1.1	0	2	-371052	-124506	-81303	-962401	-322933	SLD 7	2.594	Si
-52	16.08	1.1	0	2	-337822	-115521	-81192	-903574	-308984	SLD 7	2.675	Si
-22	16.08	1.1	0	2	-304621	-106536	-81082	-840931	-294100	SLD 7	2.761	Si
7	16.08	1.1	0	2	-271458	-97552	-80972	-774225	-278227	SLD 7	2.852	Si
36	16.08	1.1	0	2	-238350	-88569	-80861	-703078	-261259	SLD 7	2.95	Si
66	16.08	1.1	0	2	-205324	-79589	-80751	-627066	-243068	SLD 7	3.054	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
95	16.08	1.1	0	2	-172417	-70614	-80641	-545790	-223530	SLD 7	3.166	Si
125	16.08	1.1	0	2	-139705	-61648	-80531	-458920	-202509	SLD 7	3.285	Si
154	16.08	1.1	0	2	-107380	-52717	-80420	-362876	-178150	SLD 7	3.379	Si
184	16.08	1.1	0	2	-75817	-44250	-80310	-256565	-149744	SLD 7	3.384	Si
213	16.08	1.1	0	2	-45755	-39526	-80199	-155051	-133943	SLD 7	3.389	Si
242	16.08	1.1	0	2	-22605	-38027	-80089	-76705	-129039	SLD 7	3.393	Si
272	16.08	1.1	0	2	14523	-37199	-79979	49350	-126401	SLD 7	3.398	Si
301	16.08	1.1	0	2	57109	-36302	-79869	194323	-123526	SLD 7	3.403	Si
331	16.08	1.1	0	2	80766	-6451	-79758	275202	-21981	SLD 7	3.407	Si
360	16.08	1.1	0	2	118762	10220	-79650	405222	34870	SLD 7	3.412	Si
380	16.08	2.1	0	2,3	19706	228062	-66294	65257	755229	SLD 1	3.312	Si
409	16.08	2.1	0	2,3	17410	188532	-66185	61095	661609	SLD 1	3.509	Si
438	16.08	1.1	0	3	-11177	140609	-67592	-41629	523710	SLD 3	3.725	Si
467	16.08	1.1	0	3	-11464	103879	-67483	-45300	410485	SLD 3	3.952	Si
496	16.08	1.1	0	3	-20411	55655	-67668	-81976	223520	SLD 7	4.016	Si
525	16.08	1.1	0	3	11391	26039	-67560	45823	104744	SLD 7	4.023	Si
554	16.08	1.1	0	3	68550	-9385	-67451	276199	-37814	SLD 7	4.029	Si
583	16.08	1.1	0	3	71587	-27289	-67342	288900	-110128	SLD 7	4.036	Si
612	16.08	1.1	0	3	63945	-82757	-66939	252727	-327079	SLD 3	3.952	Si
641	16.08	1.1	0	3	66757	-119620	-66830	249110	-446371	SLD 3	3.732	Si
670	16.08	1.1	0	3	70081	-156545	-66722	247469	-552794	SLD 3	3.531	Si
690	16.08	2.1	0	3,4	35068	161803	-55050	144539	666906	SLD 3	4.122	Si
719	16.08	2.1	0	3,4	31632	127964	-54943	138845	561682	SLD 3	4.389	Si
748	16.08	1.1	0	4	28425	93638	-54834	133534	439891	SLD 3	4.698	Si
777	16.08	1.1	0	4	-32826	54221	-54954	-162337	268147	SLD 7	4.945	Si
806	16.08	1.1	0	4	-28469	23836	-54845	-141073	118111	SLD 7	4.955	Si
835	16.08	1.1	0	4	-8649	-6188	-54736	-42942	-30726	SLD 7	4.965	Si
864	16.08	1.1	0	4	47375	-30254	-54627	235691	-150511	SLD 7	4.975	Si
893	16.08	1.1	0	4	42865	-75095	-54290	207573	-363652	SLD 3	4.843	Si
922	16.08	1.1	0	4	45962	-106475	-54182	209461	-485233	SLD 3	4.557	Si
951	16.08	1.1	0	4	50700	-138111	-54073	217696	-593026	SLD 3	4.294	Si
980	16.08	1.1	0	4	56472	-184035	-53966	223728	-729093	SLD 3	3.962	Si
1000	16.08	2.1	0	4,5	-65689	208662	-42017	-285494	906870	SLD 3	4.346	Si
1029	16.08	2.1	0	4,5	-44274	155702	-42115	-219166	770756	SLD 7	4.95	Si
1058	16.08	1.1	0	5	33390	125533	-41800	178945	672757	SLD 3	5.359	Si
1087	16.08	1.1	0	5	59864	80209	-40701	351823	471389	SLD 1	5.877	Si
1116	16.08	1.1	0	5	60166	39645	-41582	382708	252174	SLD 3	6.361	Si
1145	16.08	1.1	0	5	61390	-8492	-41680	400285	-55369	SLD 7	6.52	Si
1174	16.08	1.1	0	5	68413	-47892	-41365	423472	-296452	SLD 3	6.19	Si
1203	16.08	1.1	0	5	75854	-87899	-41256	425387	-492935	SLD 3	5.608	Si
1232	16.08	1.1	0	5	84805	-129034	-41147	432120	-657483	SLD 3	5.095	Si
1261	16.08	1.1	0	5	94822	-170526	-41039	439071	-789618	SLD 3	4.63	Si
1290	16.08	1.1	0	5	105592	-212172	-40930	442378	-888894	SLD 3	4.19	Si
1310	16.08	2.1	0	5,6	-68849	207276	-28812	-343172	1033142	SLD 3	4.984	Si
1339	16.08	2.1	0	5,6	-62008	168127	-28705	-354861	962155	SLD 3	5.723	Si
1368	16.08	1.1	0	6	-55918	128383	-28596	-366563	841591	SLD 3	6.555	Si
1397	16.08	1.1	0	6	60041	88854	-28487	441588	653499	SLD 3	7.355	Si
1426	16.08	1.1	0	6	58355	50048	-28379	486338	417103	SLD 3	8.334	Si
1455	16.08	1.1	0	6	45352	9277	-28413	433788	88732	SLD 7	9.565	Si
1484	16.08	1.1	0	6	46821	-32004	-28161	426357	-291437	SLD 3	9.106	Si
1513	16.08	1.1	0	6	46102	-74086	-28052	366569	-589075	SLD 3	7.951	Si
1542	16.08	1.1	0	6	48060	-113532	-27944	338035	-798539	SLD 3	7.034	Si
1571	16.08	1.1	0	6	52051	-153247	-27835	321079	-945304	SLD 3	6.168	Si
1600	16.08	1.1	0	6	57499	-193069	-27726	308174	-1034783	SLD 3	5.36	Si
1620	16.08	2.1	0	6,7,8	42741	230341	-15538	212585	1145662	SLD 3	4.974	Si
1649	16.08	2.1	0	6,7,8	53472	175522	-15431	331899	1089466	SLD 3	6.207	Si
1678	16.08	1.1	0	7,8	51624	119781	-15323	438347	1017072	SLD 3	8.491	Si
1707	16.08	1.1	0	7,8	48553	64201	-15214	579523	766303	SLD 3	11.936	Si
1736	16.08	1.1	0	7,8	51632	9759	-15220	817161	154448	SLD 7	15.827	Si
1765	16.08	1.1	0	7,8	54773	-45782	-14996	715932	-598405	SLD 3	13.071	Si
1794	16.08	1.1	0	7,8	80818	-97089	-15003	723836	-869569	SLD 7	8.956	Si
1823	16.08	1.1	0	7,8	80754	-159736	-14779	508180	-1005209	SLD 3	6.293	Si
1852	16.08	1.1	0	7,8	97798	-215514	-14670	460021	-1013737	SLD 3	4.704	Si
1881	16.08	1.1	0	7,8	115854	-271310	-14561	433077	-1014191	SLD 3	3.738	Si
1910	16.08	1.1	0	7,8	134441	-327114	-14453	393033	-956304	SLD 3	2.923	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	388	-126404	SLU 51	12805	42320	43268	2.4	109.04	722	-103157	SLU 42	12600	39538	45230	2.5	54.73	Si
-111	4X/2Y Ø8/10	388	-126263	SLU 51	12805	42320	43268	2.4	109.04	722	-103016	SLU 42	12600	39538	45230	2.5	54.73	Si
-81	4X/2Y Ø8/10	388	-126120	SLU 51	12805	42320	43268	2.4	109.04	722	-102873	SLU 42	12600	39538	45230	2.5	54.73	Si
-52	4X/2Y Ø8/10	388	-125976	SLU 51	12805	42320	43268	2.4	109.04	722	-102730	SLU 42	12600	39538	45230	2.5	54.73	Si
-22	4X/2Y Ø8/14.7	388	-125833	SLU 51	12805	29910	42024	2.5	77.07	722	-102586	SLU 42	12600	26827	45230	2.5	37.14	Si
7	4X/2Y Ø8/14.7	388	-125690	SLU 51	12805	29910	42024	2.5	77.07	722	-102443	SLU 42	12600	26827	45230	2.5	37.14	Si
36	4X/2Y Ø8/14.7	388	-125546	SLU 51	12805	29910	42024	2.5	77.07	722	-102299	SLU 42	12600	26827	45230	2.5	37.14	Si
66	4X/2Y Ø8/14.7	388	-125403	SLU 51	12805	29910	42024	2.5	77.07	722	-102156	SLU 42	12600	26827	45230	2.5	37.14	Si
95	4X/2Y Ø8/14.7	388	-125259	SLU 51	12805	29910	42024	2.5	77.07	722	-102013	SLU 42	12600	26827	45230	2.5	37.14	Si
125	4X/2Y Ø8/14.7	388	-125116	SLU 51	12805	29910	42024	2.5	77.07	722	-101869	SLU 42	12600	26827	45230	2.5	37.14	Si
154	4X/2Y Ø8/14.7	388	-124973	SLU 51	12805	29910	42024	2.5	77.07	722	-101726	SLU 42	12600	26827	45230	2.5	37.14	Si
184	4X/2Y Ø8/14.7	388	-124829	SLU 51	12805	29910	42024	2.5	77.07	722	-101582	SLU 42	12600	26827	45230	2.5	37.14	Si
213	4X/2Y Ø8/14.7	388	-124684	SLU 51	12805	29910	42024	2.5	77.07	722	-101438	SLU 42	12600	26827	45230	2.5	37.14	Si
242	4X/2Y Ø8/10	388	-124542	SLU 51	12805	42315	43268	2.4	109.03	722	-101296	SLU 42	12600	39534	45230	2.5	54.73	Si
272	4X/2Y Ø8/10	388	-124399	SLU 51	12805	42315	43268	2.4	109.03	722	-101152	SLU 42	12600	39534	45230	2.5	54.73	Si
301	4X/2Y Ø8/10	388	-124256	SLU 51	12805	42315	43268	2.4	109.03	722	-101009	SLU 42	12600	39534	45230	2.5	54.73	Si
331	4X/2Y Ø8/10	388	-124112	SLU 51	12805	42315	43268	2.4	109.03	722	-100866	SLU 42	12600	39534	45230	2.5	54.73	Si
360	4X/2Y Ø8/10	388	-123971	SLU 51	12805	42315	43268	2.4	109.03	722	-100725	SLU 42	12600	39534	45230	2.5	54.73	Si
380	4X/2Y Ø8/10	-1704	-105917	SLU 51	12805	42315	43268	2.4	24.83	-597	-78347	SLU 32	12600	39534	45230	2.5	66.23	Si
409	4X/2Y Ø8/10	-1704	-105776	SLU 51	12805	42315	43268	2.4	24.83	-597	-78206	SLU 32	12600	39534	45230	2.5	66.23	Si
438	4X/2Y Ø8/10	-1704	-105634	SLU 51	12805	42315	43268	2.4	24.83	-597	-78065	SLU 32	12600	39534	45230	2.5	66.23	Si
467	4X/2Y Ø8/14.4	-1704	-105493	SLU 51	12805	30516	42024	2.5	17.91	-597	-77923	SLU 32	12600	27370	45230	2.5	45.85	Si
496	4X/2Y Ø8/14.4	-1704	-105352	SLU 51	12805	30516	42024	2.5	17.91	-597	-77782	SLU 32	12600	27370	45230	2.5	45.85	Si
525	4X/2Y Ø8/14.4	-1704	-105210	SLU 51	12805	30516	42024	2.5	17.91	-597	-77641	SLU 32	12600	27370	45230	2.5	45.85	Si
554	4X/2Y Ø8/14.4	-1704	-105069	SLU 51	12805	30516	42024	2.5	17.91	-597	-77499	SLU 32	12600	27370	45230	2.5	45.85	Si
583	4X/2Y Ø8/14.4	-1704	-104928	SLU 51	12805	30516	42024	2.5	17.91	-597	-77358	SLU 32	12600	27370	45230	2.5	45.85	Si
612	4X/2Y Ø8/10	-1704	-104786	SLU 51	12805	42315	43268	2.4	24.83	-597	-77216	SLU 32	12600	39534	45230	2.5	66.23	Si
641	4X/2Y Ø8/10	-1704	-104645	SLU 51	12805	42315	43268	2.4	24.83	-597	-77075	SLU 32	12600	39534	45230	2.5	66.23	Si
670	4X/2Y Ø8/10	-1704	-104503	SLU 51	12805	42315	43268	2.4	24.83	-597	-76934	SLU 32	12600	39534	45230	2.5	66.23	Si
690	4X/2Y Ø8/10	-1400	-86344	SLU 52	12805	42315	43268	2.4	30.23	-302	-68797	SLU 37	12600	39534	45230	2.5	130.92	Si
719	4X/2Y Ø8/10	-1400	-86205	SLU 52	12805	42315	43268	2.4	30.23	-302	-68658	SLU 37	12600	39534	45230	2.5	130.92	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
748	4X/2Y Ø8/10	-1400	-86063	SLU 52	12805	42315	43268	2.4	30.23	-302	-68516	SLU 37	12600	39534	45230	2.5	130.92	Si
777	4X/2Y Ø8/14.4	-1400	-85922	SLU 52	12805	30516	42024	2.5	21.8	-302	-68375	SLU 37	12600	27370	45230	2.5	90.63	Si
806	4X/2Y Ø8/14.4	-1400	-85781	SLU 52	12805	30516	42024	2.5	21.8	-302	-68234	SLU 37	12600	27370	45230	2.5	90.63	Si
835	4X/2Y Ø8/14.4	-1400	-85639	SLU 52	12805	30516	42024	2.5	21.8	-302	-68092	SLU 37	12600	27370	45230	2.5	90.63	Si
864	4X/2Y Ø8/14.4	-1400	-85498	SLU 52	12805	30516	42024	2.5	21.8	-302	-67951	SLU 37	12600	27370	45230	2.5	90.63	Si
893	4X/2Y Ø8/14.4	-1400	-85357	SLU 52	12805	30516	42024	2.5	21.8	-302	-67810	SLU 37	12600	27370	45230	2.5	90.63	Si
922	4X/2Y Ø8/10	-1400	-85215	SLU 52	12805	42315	43268	2.4	30.23	-302	-67668	SLU 37	12600	39534	45230	2.5	130.92	Si
951	4X/2Y Ø8/10	-1400	-85074	SLU 52	12805	42315	43268	2.4	30.23	-302	-67527	SLU 37	12600	39534	45230	2.5	130.92	Si
980	4X/2Y Ø8/10	-1400	-84935	SLU 52	12805	42315	43268	2.4	30.23	-302	-67388	SLU 37	12600	39534	45230	2.5	130.92	Si
1000	4X/2Y Ø8/10	-1784	-66089	SLU 52	12805	42315	43268	2.4	23.72	210	-53013	SLU 42	12600	39534	43533	2.5	187.95	Si
1029	4X/2Y Ø8/10	-1784	-65947	SLU 52	12805	42315	43268	2.4	23.72	210	-52872	SLU 42	12600	39534	43513	2.5	187.95	Si
1058	4X/2Y Ø8/10	-1784	-65806	SLU 52	12805	42315	43268	2.4	23.72	210	-52730	SLU 42	12600	39534	43493	2.5	187.95	Si
1087	4X/2Y Ø8/14.4	-1784	-65665	SLU 52	12805	30516	42024	2.5	17.11	210	-52589	SLU 42	12600	27370	43474	2.5	130.12	Si
1116	4X/2Y Ø8/14.4	-1784	-65523	SLU 52	12805	30516	42024	2.5	17.11	210	-52448	SLU 42	12600	27370	43454	2.5	130.12	Si
1145	4X/2Y Ø8/14.4	-1784	-65382	SLU 52	12805	30516	42024	2.5	17.11	210	-52306	SLU 42	12600	27370	43435	2.5	130.12	Si
1174	4X/2Y Ø8/14.4	-1784	-65240	SLU 52	12805	30516	42022	2.5	17.11	210	-52165	SLU 42	12595	27370	43415	2.5	130.12	Si
1203	4X/2Y Ø8/14.4	-1784	-65099	SLU 52	12805	30516	42004	2.5	17.11	210	-52024	SLU 42	12576	27370	43395	2.5	130.12	Si
1232	4X/2Y Ø8/10	-1784	-64958	SLU 52	12805	42315	43228	2.4	23.72	210	-51882	SLU 42	12557	39534	43376	2.5	187.95	Si
1261	4X/2Y Ø8/10	-1784	-64816	SLU 52	12805	42315	43209	2.4	23.72	210	-51741	SLU 42	12538	39534	43356	2.5	187.95	Si
1290	4X/2Y Ø8/10	-1784	-64675	SLU 52	12805	42315	43190	2.4	23.72	210	-51599	SLU 42	12519	39534	43337	2.5	187.95	Si
1310	4X/2Y Ø8/10	-1633	-45643	SLU 52	11988	40552	41884	2.3	24.83	-419	-36997	SLU 39	10562	39534	41312	2.5	94.33	Si
1339	4X/2Y Ø8/10	-1633	-45504	SLU 52	11971	40552	41865	2.3	24.83	-419	-36858	SLU 39	10544	39534	41293	2.5	94.33	Si
1368	4X/2Y Ø8/10	-1633	-45362	SLU 52	11953	40552	41846	2.3	24.83	-419	-36717	SLU 39	10525	39534	41274	2.5	94.33	Si
1397	4X/2Y Ø8/14.4	-1633	-45221	SLU 52	11935	30516	39444	2.5	18.68	-419	-36575	SLU 39	10506	27370	41254	2.5	65.31	Si
1426	4X/2Y Ø8/14.4	-1633	-45080	SLU 52	11918	30516	39425	2.5	18.68	-419	-36434	SLU 39	10487	27370	41234	2.5	65.31	Si
1455	4X/2Y Ø8/14.4	-1633	-44938	SLU 52	11900	30516	39407	2.5	18.68	-419	-36293	SLU 39	10468	27370	41215	2.5	65.31	Si
1484	4X/2Y Ø8/14.4	-1633	-44797	SLU 52	11883	30516	39389	2.5	18.68	-419	-36151	SLU 39	10449	27370	41195	2.5	65.31	Si
1513	4X/2Y Ø8/14.4	-1633	-44656	SLU 52	11865	30516	39371	2.5	18.68	-419	-36010	SLU 39	10430	27370	41176	2.5	65.31	Si
1542	4X/2Y Ø8/10	-1633	-44514	SLU 52	11847	40552	41730	2.3	24.83	-419	-35868	SLU 39	10411	39534	41156	2.5	94.33	Si
1571	4X/2Y Ø8/10	-1633	-44373	SLU 52	11830	40552	41711	2.3	24.83	-419	-35727	SLU 39	10392	39534	41136	2.5	94.33	Si
1600	4X/2Y Ø8/10	-1633	-44231	SLU 52	11812	40552	41691	2.3	24.83	-419	-35586	SLU 39	10373	39534	41117	2.5	94.33	Si
1620	4X/2Y Ø8/10	-2535	-25020	SLU 52	9420	38789	40248	2.2	15.3	365	-19488	SLU 43	8216	38743	39455	2.45	106.08	Si
1649	4X/2Y Ø8/10	-2535	-24881	SLU 52	9403	38789	40229	2.2	15.3	365	-19349	SLU 43	8197	38743	39435	2.45	106.08	Si
1678	4X/2Y Ø8/10	-2535	-24739	SLU 52	9385	38789	40209	2.2	15.3	365	-19208	SLU 43	8178	38743	39415	2.45	106.08	Si
1707	4X/2Y Ø8/14.4	-2535	-24598	SLU 52	9368	30516	36788	2.5	12.04	365	-19066	SLU 43	8159	27370	38827	2.5	74.94	Si
1736	4X/2Y Ø8/14.4	-2535	-24457	SLU 52	9350	30516	36769	2.5	12.04	365	-18925	SLU 43	8141	27370	38807	2.5	74.94	Si
1765	4X/2Y Ø8/14.4	-2535	-24315	SLU 52	9333	30516	36751	2.5	12.04	365	-18783	SLU 43	8122	27370	38788	2.5	74.94	Si
1794	4X/2Y Ø8/14.4	-2535	-24174	SLU 52	9315	30516	36733	2.5	12.04	365	-18642	SLU 43	8103	27370	38768	2.5	74.94	Si
1823	4X/2Y Ø8/14.4	-2535	-24033	SLU 52	9297	30516	36715	2.5	12.04	365	-18501	SLU 43	8084	27370	38749	2.5	74.94	Si
1852	4X/2Y Ø8/10	-2535	-23891	SLU 52	9280	38789	40090	2.2	15.3	365	-18359	SLU 43	8065	38743	39296	2.45	106.08	Si
1881	4X/2Y Ø8/10	-2535	-23750	SLU 52	9262	38789	40070	2.2	15.3	365	-18218	SLU 43	8046	38743	39276	2.45	106.08	Si
1910	4X/2Y Ø8/10	-2535	-23608	SLU 52	9245	38789	40050	2.2	15.3	365	-18077	SLU 43	8027	38743	39256	2.45	106.08	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	1058	-73734	SLV 15	12805	42320	43268	2.4	39.99	2461	-87277	SLV 7	12600	39538	45230	2.5	16.07	Si
-111	4X/2Y Ø8/10	1058	-73626	SLV 15	12805	42320	43268	2.4	39.99	2461	-87168	SLV 7	12600	39538	45230	2.5	16.07	Si
-81	4X/2Y Ø8/10	1058	-73515	SLV 15	12805	42320	43268	2.4	39.99	2461	-87058	SLV 7	12600	39538	45230	2.5	16.07	Si
-52	4X/2Y Ø8/10	1058	-73405	SLV 15	12805	42320	43268	2.4	39.99	2461	-86948	SLV 7	12600	39538	45230	2.5	16.07	Si
-22	4X/2Y Ø8/14.7	1058	-73295	SLV 15	12805	29910	42024	2.5	28.26	2461	-86837	SLV 7	12600	26827	45230	2.5	10.9	Si
7	4X/2Y Ø8/14.7	1058	-73184	SLV 15	12805	29910	42024	2.5	28.26	2461	-86727	SLV 7	12600	26827	45230	2.5	10.9	Si
36	4X/2Y Ø8/14.7	1058	-73074	SLV 15	12805	29910	42024	2.5	28.26	2461	-86617	SLV 7	12600	26827	45230	2.5	10.9	Si
66	4X/2Y Ø8/14.7	1058	-72964	SLV 15	12805	29910	42024	2.5	28.26	2461	-86506	SLV 7	12600	26827	45230	2.5	10.9	Si
95	4X/2Y Ø8/14.7	1058	-72854	SLV 15	12805	29910	42024	2.5	28.26	2461	-86396	SLV 7	12600	26827	45230	2.5	10.9	Si
125	4X/2Y Ø8/14.7	1058	-72743	SLV 15	12805	29910	42024	2.5	28.26	2461	-86286	SLV 7	12600	26827	45230	2.5	10.9	Si
154	4X/2Y Ø8/14.7	1058	-72633	SLV 15	12805	29910	42024	2.5	28.26	2461	-86176	SLV 7	12600	26827	45230	2.5	10.9	Si
184	4X/2Y Ø8/14.7	1058	-72523	SLV 15	12805	29910	42024	2.5	28.26	2461	-86065	SLV 7	12600	26827	45230	2.5	10.9	Si
213	4X/2Y Ø8/14.7	1058	-72411	SLV 15	12805	29910	42024	2.5	28.26	2461	-85954	SLV 7	12600	26827	45230	2.5	10.9	Si
242	4X/2Y Ø8/10	1058	-72302	SLV 15	12805	42315	43268	2.4	39.98	2461	-85845	SLV 7	12600	39534	45230	2.5	16.06	Si
272	4X/2Y Ø8/10	1058	-72192	SLV 15	12805	42315	43268	2.4	39.98	2461	-85734	SLV 7	12600	39534	45230	2.5	16.06	Si
301	4X/2Y Ø8/10	1058	-72081	SLV 15	12805	42315	43268	2.4	39.98	2461	-85624	SLV 7	12600	39534	45230	2.5	16.06	Si
331	4X/2Y Ø8/10	1058	-71971	SLV 15	12805	42315	43268	2.4	39.98	2461	-85514	SLV 7	12600	39534	45230	2.5	16.06	Si
360	4X/2Y Ø8/10	1058	-71863	SLV 15	12805	42315	43268	2.4	39.98	2461	-85405	SLV 7	12600	39534	45230	2.5	16.06	Si
380	4X/2Y Ø8/10	-1902	-68363	SLV 1	12805	42315	43268	2.4	22.25	-1061	-56927	SLV 9	12600	39534	44075	2.5	37.27	Si
409	4X/2Y Ø8/10	-1902	-68254	SLV 1	12805	42315	43268	2.4	22.25	-1061	-56818	SLV 9	12600	39534	44060	2.5	37.27	Si
438	4X/2Y Ø8/10	-1902	-68145	SLV 1	12805	42315	43268	2.4	22.25	-1061	-56709	SLV 9	12600	39534	44045	2.5	37.27	Si
467	4X/2Y Ø8/14.4	-1902	-68037	SLV 1	12805	30516	42024	2.5	16.04	-1061	-56601	SLV 9	12600	27370	44030	2.5	25.8	Si
496	4X/2Y Ø8/14.4	-1902	-67928	SLV 1	12805	30516	42024	2.5	16.04	-1061	-56492	SLV 9	12600	27370	44015	2.5	25.8	Si
525	4X/2Y Ø8/14.4	-1902	-67819	SLV 1	12805	30516	42024	2.5	16.04	-1061	-56383	SLV 9	12600	27370	44000	2.5	25.8	Si
554	4X/2Y Ø8/14.4	-1902	-67710	SLV 1	12805	30516	42024	2.5	16.04	-1061	-56274	SLV 9	12600	27370	43985	2.5	25.8	Si
583	4X/2Y Ø8/14.4	-1902	-67602	SLV 1	12805	30516	42024	2.5	16.04	-1061	-56166	SLV 9	12600	27370	43970	2.5	25.8	Si
612	4X/2Y Ø8/10	-1902	-67493	SLV 1	12805	42315	43268	2.4	22.25	-1061	-56057	SLV 9	12600	39534	43955	2.5	37.27	Si
641	4X/2Y Ø8/10	-1902	-67384	SLV 1	12805	42315	43268	2.4	22.25	-1061	-55948	SLV 9	12600	39534	43939	2.5	37.27	Si
670	4X/2Y Ø8/10	-1902	-67275	SLV 1	12805	42315	43268	2.4	22.25	-1061	-55839	SLV 9	12600	39534	43924	2.5	37.27	Si
690	4X/2Y Ø8/10	-1775	-58617	SLV 3	12805	42315	42387	2.4	23.84	-1314	-46210	SLV 9	11797	39534	42590	2.5	30.08	Si
719	4X/2Y Ø8/10	-1775	-58510	SLV 3	12805	42315	42373	2.4	23.84	-1314	-46103	SLV 9	11782	39534	42575	2.5	30.08	Si
748	4X/2Y Ø8/10	-1775	-58401	SLV 3	12805	42315	42358	2.4	23.84	-1314	-45995	SLV 9	11768	39534	42560	2.5	30.08	Si
777	4X/2Y Ø8/14.4	-1775	-58292	SLV 3	12805	30516	41127	2.5	17.19	-1314	-45886	SLV 9	11753	27370	42545	2.5	20.82	Si
806	4X/2Y Ø8/14.4	-1775	-58184	SLV 3	12805	30516	41113	2.5	17.19	-1314	-45777	SLV 9	11739	27370	42530	2.5	20.82	Si
835	4X/2Y Ø8/14.4	-1775	-58075	SLV 3	12805	30516	41099	2.5	17.19	-1314	-45668	SLV 9	11724	27370	42514	2.5	20.82	Si
864	4X/2Y Ø8/14.4	-1775	-57966	SLV 3	12805	30516	41085	2.5	17.19	-1314	-45560	SLV 9	11710	27370	42499	2.5	20.82	Si
893	4X/2Y Ø8/14.4	-1775	-57857	SLV 3	12805	30516	41071	2.5	17.19	-1314	-45451	SLV 9	11695	27370	42484	2.5	20.82	Si
922	4X/2Y Ø8/10	-1775	-57749	SLV 3	12805	41434	42898	2.35	23.34	-1314	-45342	SLV 9	11680	39534	42469	2.5	30.08	Si
951	4X/2Y Ø8/10	-1775	-57640	SLV 3	12805	41434	42884	2.35	23.34	-1314	-45233	SLV 9	11666	39534	42454	2.5	30.08	Si
980	4X/2Y Ø8/10	-1775	-57533	SLV 3	12805	41434	42869	2.35	23.34	-1314	-45126	SLV 9	11651	39534	42439	2.5	30.08	Si
1000	4X/2Y Ø8/10	-2035	-44795	SLV 3	11882	40552	41768	2.3	19.93	1321	-45329	SLV 7	11679	39534	42467	2.5	29.92	Si
1029	4X/2Y Ø8/10	-2035	-44686	SLV 3	11869	40552	41754	2.3	19.93	1321	-45220	SLV 7	11664	39534	42452	2.5	29.92	Si
1058	4X/2Y Ø8/10	-2035	-44578	SLV 3	11855	40552	41739	2.3	19.93	1321	-45112	SLV 7	11649	39534	42437	2.5	29.92	Si
1087	4X/2Y Ø8/14.4	-2035	-44469	SLV 3	11842	30516	39347	2.5	15	1321	-45003	SLV 7	11635	27370	42422	2.5	20.72	Si
1116	4X/2Y Ø8/14.4	-2035	-44360	SLV 3	11828	30516	39333	2.5	15	1321	-44894	SLV 7	11620	27370	42407	2.5	20.72	Si
1145	4X/2Y Ø8/14.4	-2035	-44251	SLV 3	11815	30516	39319	2.5	15	1321	-44785	SLV 7	11606	27370	42392	2.5	20.72	Si
1174	4X/2Y Ø8/14.4	-2035	-44143	SLV 3	11801	30516	39305	2.5	15	1321	-44677	SLV 7	11591	27370	42377	2.5	20.72	Si
1203	4X/2Y Ø8/14.4	-2035	-44034	SLV 3	11788	30516	39291	2.5	15	1321	-44568	SLV 7	11577	27370	42362	2.5	20.72	Si
1232	4X/2Y Ø8/10	-2035	-43925	SLV 3	11774	40552	41650	2.3	19.93	1321	-44459	SLV 7	11562	39534	42347	2.5	29.92	Si
1261	4X/2Y Ø8/10	-2035	-43816	SLV 3	11761	40552	41635	2.3	19.93	1321	-44350	SLV 7	11547	39534	42332	2.5	29.92	Si
1290	4X/2Y Ø8/10	-2035	-43708	SLV 3	11747	40552	41620	2.3	19.93	1321	-44242	SLV 7	11533	39534	42317	2.5	29.92	Si
1310	4X/2Y Ø8/10	-1964	-30743	SLV 3	10133	39671	40446	2.25	20.2	-1560	-23881	SLV 9	8805	38743	40073	2.45	24.83	Si
1339	4X/2Y Ø8/10	-1964	-30636	SLV 3	10120	39671	40431	2.25	20.2	-1560	-23774	SLV 9	8790	38743	40057	2.45	24.83	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1368	4X/2Y Ø8/10	-1964	-30527	SLV 3	10106	39671	40416	2.25	20.2	-1560	-23665	SLV 9	8776	38743	40042	2.45	24.83	Si
1397	4X/2Y Ø8/14.4	-1964	-30419	SLV 3	10092	30516	37537	2.5	15.53	-1560	-23557	SLV 9	8761	27370	39449	2.5	17.54	Si
1426	4X/2Y Ø8/14.4	-1964	-30310	SLV 3	10079	30516	37523	2.5	15.53	-1560	-23448	SLV 9	8747	27370	39434	2.5	17.54	Si
1455	4X/2Y Ø8/14.4	-1964	-30201	SLV 3	10065	30516	37509	2.5	15.53	-1560	-23339	SLV 9	8732	27370	39419	2.5	17.54	Si
1484	4X/2Y Ø8/14.4	-1964	-30092	SLV 3	10052	30516	37495	2.5	15.53	-1560	-23230	SLV 9	8717	27370	39404	2.5	17.54	Si
1513	4X/2Y Ø8/14.4	-1964	-29984	SLV 3	10038	30516	37481	2.5	15.53	-1560	-23122	SLV 9	8703	27370	39389	2.5	17.54	Si
1542	4X/2Y Ø8/10	-1964	-29875	SLV 3	10025	39671	40326	2.25	20.2	-1560	-23013	SLV 9	8688	38743	39950	2.45	24.83	Si
1571	4X/2Y Ø8/10	-1964	-29766	SLV 3	10011	39671	40310	2.25	20.2	-1560	-22904	SLV 9	8674	38743	39935	2.45	24.83	Si
1600	4X/2Y Ø8/10	-1964	-29657	SLV 3	9998	39671	40295	2.25	20.2	-1560	-22795	SLV 9	8659	38743	39920	2.45	24.83	Si
1620	4X/2Y Ø8/10	-2625	-16662	SLV 3	8380	38789	39072	2.2	14.78	1461	-16153	SLV 11	7769	38743	38986	2.45	26.52	Si
1649	4X/2Y Ø8/10	-2625	-16555	SLV 3	8366	38789	39057	2.2	14.78	1461	-16046	SLV 11	7755	38743	38971	2.45	26.52	Si
1678	4X/2Y Ø8/10	-2625	-16446	SLV 3	8353	38789	39042	2.2	14.78	1461	-15937	SLV 11	7740	38743	38955	2.45	26.52	Si
1707	4X/2Y Ø8/14.4	-2625	-16337	SLV 3	8339	30516	35724	2.5	11.62	1461	-15828	SLV 11	7726	27370	38378	2.5	18.73	Si
1736	4X/2Y Ø8/14.4	-2625	-16228	SLV 3	8326	30516	35710	2.5	11.62	1461	-15720	SLV 11	7711	27370	38363	2.5	18.73	Si
1765	4X/2Y Ø8/14.4	-2625	-16120	SLV 3	8312	30516	35696	2.5	11.62	1461	-15611	SLV 11	7696	27370	38348	2.5	18.73	Si
1794	4X/2Y Ø8/14.4	-2625	-16011	SLV 3	8299	30516	35682	2.5	11.62	1461	-15502	SLV 11	7682	27370	38333	2.5	18.73	Si
1823	4X/2Y Ø8/14.4	-2625	-15902	SLV 3	8285	30516	35668	2.5	11.62	1461	-15393	SLV 11	7667	27370	38318	2.5	18.73	Si
1852	4X/2Y Ø8/10	-2625	-15793	SLV 3	8272	38789	38950	2.2	14.78	1461	-15285	SLV 11	7653	38743	38863	2.45	26.52	Si
1881	4X/2Y Ø8/10	-2625	-15685	SLV 3	8258	38789	38935	2.2	14.78	1461	-15176	SLV 11	7638	38743	38848	2.45	26.52	Si
1910	4X/2Y Ø8/10	-2625	-15576	SLV 3	8245	38789	38920	2.2	14.78	1461	-15067	SLV 11	7624	38743	38833	2.45	26.52	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	568	-76214	SLD 15	15794	44083	42024	2.5	74.03	1135	-81521	SLD 7	16098	39538	45230	2.5	34.85	Si
-111	4X/2Y Ø8/10	568	-76105	SLD 15	15780	44083	42024	2.5	74.03	1135	-81413	SLD 7	16098	39538	45230	2.5	34.85	Si
-81	4X/2Y Ø8/10	568	-75995	SLD 15	15767	44083	42024	2.5	74.03	1135	-81303	SLD 7	16098	39538	45230	2.5	34.85	Si
-52	4X/2Y Ø8/10	568	-75885	SLD 15	15753	44083	42024	2.5	74.03	1135	-81192	SLD 7	16098	39538	45230	2.5	34.85	Si
-22	4X/2Y Ø8/14.7	568	-75775	SLD 15	15739	29910	42024	2.5	52.69	1135	-81082	SLD 7	16098	26827	45230	2.5	23.65	Si
7	4X/2Y Ø8/14.7	568	-75664	SLD 15	15726	29910	42024	2.5	52.69	1135	-80972	SLD 7	16098	26827	45230	2.5	23.65	Si
36	4X/2Y Ø8/14.7	568	-75554	SLD 15	15712	29910	42024	2.5	52.69	1135	-80861	SLD 7	16098	26827	45230	2.5	23.65	Si
66	4X/2Y Ø8/14.7	568	-75444	SLD 15	15698	29910	42024	2.5	52.69	1135	-80751	SLD 7	16098	26827	45230	2.5	23.65	Si
95	4X/2Y Ø8/14.7	568	-75333	SLD 15	15684	29910	42024	2.5	52.69	1135	-80641	SLD 7	16098	26827	45230	2.5	23.65	Si
125	4X/2Y Ø8/14.7	568	-75223	SLD 15	15671	29910	42024	2.5	52.69	1135	-80531	SLD 7	16098	26827	45230	2.5	23.65	Si
154	4X/2Y Ø8/14.7	568	-75113	SLD 15	15657	29910	42024	2.5	52.69	1135	-80420	SLD 7	16098	26827	45230	2.5	23.65	Si
184	4X/2Y Ø8/14.7	568	-75002	SLD 15	15643	29910	42024	2.5	52.69	1135	-80310	SLD 7	16098	26827	45230	2.5	23.65	Si
213	4X/2Y Ø8/14.7	568	-74891	SLD 15	15629	29910	42024	2.5	52.69	1135	-80199	SLD 7	16098	26827	45230	2.5	23.65	Si
242	4X/2Y Ø8/10	568	-74782	SLD 15	15616	44078	42024	2.5	74.03	1135	-80089	SLD 7	16098	39534	45230	2.5	34.85	Si
272	4X/2Y Ø8/10	568	-74672	SLD 15	15602	44078	42024	2.5	74.03	1135	-79979	SLD 7	16098	39534	45230	2.5	34.85	Si
301	4X/2Y Ø8/10	568	-74561	SLD 15	15588	44078	42024	2.5	74.03	1135	-79869	SLD 7	16098	39534	45230	2.5	34.85	Si
331	4X/2Y Ø8/10	568	-74451	SLD 15	15575	44078	42024	2.5	74.03	1135	-79758	SLD 7	16098	39534	45230	2.5	34.85	Si
360	4X/2Y Ø8/10	568	-74343	SLD 15	15561	44078	42024	2.5	74.03	1135	-79650	SLD 7	16098	39534	45230	2.5	34.85	Si
380	4X/2Y Ø8/10	-1368	-66294	SLD 1	14559	44078	42024	2.5	30.73	-469	-61790	SLD 9	13884	39534	44749	2.5	84.33	Si
409	4X/2Y Ø8/10	-1368	-66185	SLD 1	14545	44078	42024	2.5	30.73	-469	-61681	SLD 9	13870	39534	44734	2.5	84.33	Si
438	4X/2Y Ø8/10	-1368	-66077	SLD 1	14532	44078	42024	2.5	30.73	-469	-61572	SLD 9	13855	39534	44719	2.5	84.33	Si
467	4X/2Y Ø8/14.4	-1368	-65968	SLD 1	14518	30516	42024	2.5	22.31	-469	-61464	SLD 9	13841	27370	44704	2.5	58.38	Si
496	4X/2Y Ø8/14.4	-1368	-65859	SLD 1	14505	30516	42024	2.5	22.31	-469	-61355	SLD 9	13826	27370	44689	2.5	58.38	Si
525	4X/2Y Ø8/14.4	-1368	-65750	SLD 1	14491	30516	42024	2.5	22.31	-469	-61246	SLD 9	13811	27370	44674	2.5	58.38	Si
554	4X/2Y Ø8/14.4	-1368	-65642	SLD 1	14478	30516	42024	2.5	22.31	-469	-61137	SLD 9	13797	27370	44659	2.5	58.38	Si
583	4X/2Y Ø8/14.4	-1368	-65533	SLD 1	14464	30516	42024	2.5	22.31	-469	-61029	SLD 9	13782	27370	44644	2.5	58.38	Si
612	4X/2Y Ø8/10	-1368	-65424	SLD 1	14451	44078	42024	2.5	30.73	-469	-60920	SLD 9	13768	39534	44629	2.5	84.33	Si
641	4X/2Y Ø8/10	-1368	-65315	SLD 1	14437	44078	42024	2.5	30.73	-469	-60811	SLD 9	13753	39534	44614	2.5	84.33	Si
670	4X/2Y Ø8/10	-1368	-65207	SLD 1	14424	44078	42018	2.5	30.73	-469	-60702	SLD 9	13739	39534	44598	2.5	84.33	Si
690	4X/2Y Ø8/10	-1193	-55050	SLD 3	13159	44078	40710	2.5	34.13	-548	-50133	SLD 9	12322	39534	43133	2.5	72.13	Si
719	4X/2Y Ø8/10	-1193	-54943	SLD 3	13146	44078	40696	2.5	34.12	-548	-50026	SLD 9	12308	39534	43119	2.5	72.13	Si
748	4X/2Y Ø8/10	-1193	-54834	SLD 3	13132	44078	40682	2.5	34.11	-548	-49918	SLD 9	12293	39534	43104	2.5	72.13	Si
777	4X/2Y Ø8/14.4	-1193	-54725	SLD 3	13119	30516	40668	2.5	25.59	-548	-49809	SLD 9	12279	27370	43088	2.5	49.94	Si
806	4X/2Y Ø8/14.4	-1193	-54617	SLD 3	13105	30516	40654	2.5	25.59	-548	-49700	SLD 9	12264	27370	43073	2.5	49.94	Si
835	4X/2Y Ø8/14.4	-1193	-54508	SLD 3	13092	30516	40640	2.5	25.59	-548	-49591	SLD 9	12250	27370	43058	2.5	49.94	Si
864	4X/2Y Ø8/14.4	-1193	-54399	SLD 3	13078	30516	40626	2.5	25.59	-548	-49483	SLD 9	12235	27370	43043	2.5	49.94	Si
893	4X/2Y Ø8/14.4	-1193	-54290	SLD 3	13065	30516	40612	2.5	25.59	-548	-49374	SLD 9	12221	27370	43028	2.5	49.94	Si
922	4X/2Y Ø8/10	-1193	-54182	SLD 3	13051	44078	40598	2.5	34.04	-548	-49265	SLD 9	12206	39534	43013	2.5	72.13	Si
951	4X/2Y Ø8/10	-1193	-54073	SLD 3	13037	44078	40584	2.5	34.03	-548	-49156	SLD 9	12191	39534	42998	2.5	72.13	Si
980	4X/2Y Ø8/10	-1193	-53966	SLD 3	13024	44078	40570	2.5	34.02	-548	-49050	SLD 9	12177	39534	42983	2.5	72.13	Si
1000	4X/2Y Ø8/10	-1444	-42017	SLD 3	11537	44078	39031	2.5	27.02	580	-42224	SLD 7	11262	39534	42037	2.5	68.13	Si
1029	4X/2Y Ø8/10	-1444	-41909	SLD 3	11523	44078	39017	2.5	27.01	580	-42115	SLD 7	11248	39534	42022	2.5	68.13	Si
1058	4X/2Y Ø8/10	-1444	-41800	SLD 3	11509	44078	39003	2.5	27	580	-42006	SLD 7	11233	39534	42007	2.5	68.13	Si
1087	4X/2Y Ø8/14.4	-1444	-41691	SLD 3	11496	30516	38989	2.5	21.13	580	-41897	SLD 7	11219	27370	41992	2.5	47.17	Si
1116	4X/2Y Ø8/14.4	-1444	-41582	SLD 3	11482	30516	38975	2.5	21.13	580	-41789	SLD 7	11204	27370	41977	2.5	47.17	Si
1145	4X/2Y Ø8/14.4	-1444	-41474	SLD 3	11469	30516	38961	2.5	21.13	580	-41680	SLD 7	11190	27370	41962	2.5	47.17	Si
1174	4X/2Y Ø8/14.4	-1444	-41365	SLD 3	11455	30516	38947	2.5	21.13	580	-41571	SLD 7	11175	27370	41947	2.5	47.17	Si
1203	4X/2Y Ø8/14.4	-1444	-41256	SLD 3	11442	30516	38933	2.5	21.13	580	-41462	SLD 7	11160	27370	41931	2.5	47.17	Si
1232	4X/2Y Ø8/10	-1444	-41147	SLD 3	11428	44078	38919	2.5	26.95	580	-41354	SLD 7	11146	39534	41916	2.5	68.13	Si
1261	4X/2Y Ø8/10	-1444	-41039	SLD 3	11415	44078	38905	2.5	26.94	580	-41245	SLD 7	11131	39534	41901	2.5	68.13	Si
1290	4X/2Y Ø8/10	-1444	-40930	SLD 3	11401	44078	38891	2.5	26.93	580	-41136	SLD 7	11117	39534	41886	2.5	68.13	Si
1310	4X/2Y Ø8/10	-1379	-28812	SLD 3	9892	44078	37330	2.5	27.08	-708	-26050	SLD 9	9095	39534	39795	2.5	55.86	Si
1339	4X/2Y Ø8/10	-1379	-28705	SLD 3	9879	44078	37316	2.5	27.07	-708	-25943	SLD 9	9081	39534	39780	2.5	55.86	Si
1368	4X/2Y Ø8/10	-1379	-28596	SLD 3	9866	44078	37302	2.5	27.06	-708	-25834	SLD 9	9066	39534	39765	2.5	55.86	Si
1397	4X/2Y Ø8/14.4	-1379	-28487	SLD 3	9852	30516	37288	2.5	22.13	-708	-25725	SLD 9	9052	27370	39750	2.5	38.67	Si
1426	4X/2Y Ø8/14.4	-1379	-28379	SLD 3	9839	30516	37274	2.5	22.13	-708	-25616	SLD 9	9037	27370	39735	2.5	38.67	Si
1455	4X/2Y Ø8/14.4	-1379	-28270	SLD 3	9825	30516	37260	2.5	22.13	-708	-25508	SLD 9	9023	27370	39720	2.5	38.67	Si
1484	4X/2Y Ø8/14.4	-1379	-28161	SLD 3	9811	30516	37246	2.5	22.13	-708	-25399	SLD 9	9008	27370	39705	2.5	38.67	Si
1513	4X/2Y Ø8/14.4	-1379	-28052	SLD 3	9798	30516	37232	2.5	22.13	-708	-25290	SLD 9	8993	27370	39690	2.5	38.67	Si
1542	4X/2Y Ø8/10	-1379	-27944	SLD 3	9784	44078	37218	2.5	27	-708	-25181	SLD 9	8979	39534	39675	2.5	55.86	Si
1571	4X/2Y Ø8/10	-1379	-27835	SLD 3	9771	44078	37204	2.5	26.99	-708	-25073	SLD 9	8964	39534	39660	2.5	55.86	Si
1600	4X/2Y Ø8/10	-1379	-27726	SLD 3	9757	44078	37190	2.5	26.98	-708	-24964	SLD 9	8950	39534	39644	2.5	55.86	Si
1620	4X/2Y Ø8/10	-1925	-15538	SLD 3	8240	44078	35621	2.5	18.51	698	-15312	SLD 11	7656	39534	38307	2.5	54.91	Si
1649	4X/2Y Ø8/10	-1925	-15431	SLD 3	8227	44078	35607	2.5	18.5	698	-15205	SLD 11	7642	39534	38292	2.5	54.89	Si
1678	4X/2Y Ø8/10	-1925	-15323	SLD 3	8213	44078	35593	2.5	18.49	698	-15096	SLD 11	7627	39534	38277	2.5	54.87	Si
1707	4X/2Y Ø8/14.4	-1925	-15214	SLD 3	8200	30516	35579	2.5	15.85	698	-14987	SLD 11	7613	27370	38262	2.5	39.23	Si
1736	4X/2Y Ø8/14.4	-1925	-15105	SLD 3	8186	30516	35565	2.5	15.85	698	-14879	SLD 11	7598	27370	38246	2.5	39.23	Si
1765	4X/2Y Ø8/14.4	-1925	-14996	SLD 3	8172	30516	35551	2.5	15.85	698	-14770	SLD 11	7584	27370	38231	2.5	39.23	Si
1794	4X/2Y Ø8/14.4	-1925	-14888	SLD 3	8159	30516	35537	2.5	15.85	698	-14661	SLD 11	7569	27370	38216	2.5	39.23	Si
1823	4X/2Y Ø8/14.4	-1925	-14779	SLD 3	8145	30516	35523	2.5	15.85	698	-14552	SLD 11	7555	27370	38201	2.5	39.23	Si
1852	4X/2Y Ø8/10	-1925	-14670	SLD 3	8132	44078	35509	2.5	18.45	698	-14444	SLD 11	7540	39534	38186	2.5	54.74	Si
1881	4X/2Y Ø8/10	-1925	-14561	SLD 3	8118	44078	35495	2.5	18.44	698	-14335	SLD 11	7525	39534	38171	2.5	54.71	Si
1910	4X/2Y Ø8/10	-1925	-14453	SLD 3	8105	44078	35481	2.5	18.43	698	-14226	SLD 11	7511	39534	38156	2.5	54.69	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	-72104	-136467	-89155	SLE RA 12	-71.2	-72104	-136467	-89155	SLE RA 12	-972.2	Si
-111	-66072	-128725	-89047	SLE RA 12	-69.9	-66072	-128725	-89047	SLE RA 12	-958.1	Si
-81	-59936	-120850	-88936	SLE RA 12	-68.6	-59936	-120850	-88936	SLE RA 12	-943.8	Si
-52	-53801	-112974	-88826	SLE RA 12	-67.2	-53801	-112974	-88826	SLE RA 12	-929.5	Si
-22	-47665	-105099	-88716	SLE RA 12	-65.8	-47665	-105099	-88716	SLE RA 12	-915.1	Si
7	-41529	-97223	-88605	SLE RA 12	-64.5	-41529	-97223	-88605	SLE RA 12	-900.8	Si
36	-35393	-89348	-88495	SLE RA 12	-63.1	-35393	-89348	-88495	SLE RA 12	-886.5	Si
66	-29257	-81472	-88385	SLE RA 12	-61.8	-29257	-81472	-88385	SLE RA 12	-872.1	Si
95	-23122	-73597	-88275	SLE RA 12	-60.4	-23122	-73597	-88275	SLE RA 12	-857.8	Si
125	-16986	-65721	-88164	SLE RA 12	-59.1	-16986	-65721	-88164	SLE RA 12	-843.5	Si
154	-5564	-61638	-88276	SLE RA 13	-57.9	-5564	-61638	-88276	SLE RA 13	-830.9	Si
184	4694	-60123	-88166	SLE RA 13	-57.6	4694	-60123	-88166	SLE RA 13	-827.6	Si
213	15052	-58593	-88055	SLE RA 13	-58.1	15052	-58593	-88055	SLE RA 13	-833.4	Si
242	25211	-57092	-87946	SLE RA 13	-58.5	25211	-57092	-87946	SLE RA 13	-839	Si
272	52377	-72731	-83223	SLE RA 7	-59.4	35469	-55577	-87835	SLE RA 13	-844.7	Si
301	65947	-75710	-83113	SLE RA 7	-60.6	45728	-54062	-87725	SLE RA 13	-850.5	Si
331	79516	-78690	-83002	SLE RA 7	-61.8	79516	-78690	-83002	SLE RA 7	-863.4	Si
360	92855	-81619	-82894	SLE RA 7	-63	92855	-81619	-82894	SLE RA 7	-876.4	Si
380	56603	207076	-74657	SLE RA 12	-69.7	90986	181907	-74756	SLE RA 13	-912	Si
409	50495	172224	-74548	SLE RA 12	-65.3	80841	149676	-74647	SLE RA 13	-868.4	Si
438	44387	137372	-74439	SLE RA 12	-61	70697	117445	-74538	SLE RA 13	-824.8	Si
467	38279	102521	-74331	SLE RA 12	-56.7	60552	85214	-74429	SLE RA 13	-781.2	Si
496	32172	67669	-74222	SLE RA 12	-52.3	32172	67669	-74222	SLE RA 12	-737.7	Si
525	26064	32817	-74113	SLE RA 12	-48	26064	32817	-74113	SLE RA 12	-694.6	Si
554	30118	-11479	-74103	SLE RA 13	-45.9	30118	-11479	-74103	SLE RA 13	-675	Si
583	19973	-43710	-73994	SLE RA 13	-48.7	19973	-43710	-73994	SLE RA 13	-700.3	Si
612	9829	-75941	-73886	SLE RA 13	-51.5	9829	-75941	-73886	SLE RA 13	-725.6	Si
641	-316	-108172	-73777	SLE RA 13	-54.4	-316	-108172	-73777	SLE RA 13	-754.1	Si
670	-10461	-140403	-73668	SLE RA 13	-58.6	-10461	-140403	-73668	SLE RA 13	-793.2	Si
690	25619	132723	-60863	SLE RA 13	-51.4	25619	132723	-60863	SLE RA 13	-686.9	Si
719	20201	104554	-60756	SLE RA 13	-47.8	20201	104554	-60756	SLE RA 13	-651.5	Si
748	14689	75891	-60647	SLE RA 13	-44.2	14689	75891	-60647	SLE RA 13	-615.5	Si
777	12808	45574	-60441	SLE RA 12	-40.6	12808	45574	-60441	SLE RA 12	-579.7	Si
806	7797	17484	-60333	SLE RA 12	-37.1	7797	17484	-60333	SLE RA 12	-544.7	Si
835	2786	-10606	-60224	SLE RA 12	-36	2786	-10606	-60224	SLE RA 12	-532.4	Si
864	-7362	-38761	-60212	SLE RA 13	-39.4	-7362	-38761	-60212	SLE RA 13	-566.1	Si
893	-12874	-67424	-60103	SLE RA 13	-42.9	-12874	-67424	-60103	SLE RA 13	-600.3	Si
922	-18387	-96087	-59995	SLE RA 13	-46.3	-18387	-96087	-59995	SLE RA 13	-634.4	Si
951	-23900	-124750	-59886	SLE RA 13	-49.8	-23900	-124750	-59886	SLE RA 13	-668.6	Si
980	-29317	-152919	-59779	SLE RA 13	-53.3	-29317	-152919	-59779	SLE RA 13	-702.2	Si
1000	17499	180209	-46519	SLE RA 12	-47.8	17499	180209	-46519	SLE RA 12	-607.6	Si
1029	17213	143811	-46410	SLE RA 12	-43.7	17213	143811	-46410	SLE RA 12	-567.5	Si
1058	16928	107413	-46302	SLE RA 12	-39.6	16928	107413	-46302	SLE RA 12	-527.4	Si
1087	16643	71016	-46193	SLE RA 12	-35.5	16643	71016	-46193	SLE RA 12	-487.3	Si
1116	16358	34618	-46084	SLE RA 12	-31.4	16358	34618	-46084	SLE RA 12	-447.2	Si
1145	16072	-1779	-45975	SLE RA 12	-27.7	16072	-1779	-45975	SLE RA 12	-410.9	Si
1174	15787	-38177	-45867	SLE RA 12	-31.6	15787	-38177	-45867	SLE RA 12	-448.7	Si
1203	15502	-74574	-45758	SLE RA 12	-35.6	15502	-74574	-45758	SLE RA 12	-486.4	Si
1232	15217	-110972	-45649	SLE RA 12	-39.5	15217	-110972	-45649	SLE RA 12	-524.2	Si
1261	14931	-147370	-45540	SLE RA 12	-43.5	14931	-147370	-45540	SLE RA 12	-561.9	Si
1290	13415	-184432	-45510	SLE RA 13	-47.5	13415	-184432	-45510	SLE RA 13	-600.1	Si
1310	42284	175079	-32195	SLE RA 13	-40.8	42284	175079	-32195	SLE RA 13	-498.7	Si
1339	34072	142201	-32088	SLE RA 13	-36.5	34072	142201	-32088	SLE RA 13	-456	Si
1368	25717	108745	-31980	SLE RA 13	-32.2	25717	108745	-31980	SLE RA 13	-412.6	Si
1397	17361	75290	-31871	SLE RA 13	-27.8	17361	75290	-31871	SLE RA 13	-369.1	Si
1426	9006	41834	-31762	SLE RA 13	-23.5	9006	41834	-31762	SLE RA 13	-325.6	Si
1455	651	8379	-31653	SLE RA 13	-19.1	651	8379	-31653	SLE RA 13	-282.2	Si
1484	-7705	-25076	-31545	SLE RA 13	-21.4	-7705	-25076	-31545	SLE RA 13	-304.8	Si
1513	-16060	-58532	-31436	SLE RA 13	-25.6	-16060	-58532	-31436	SLE RA 13	-346.4	Si
1542	-24416	-91987	-31327	SLE RA 13	-29.8	-24416	-91987	-31327	SLE RA 13	-388	Si
1571	-32771	-125443	-31218	SLE RA 13	-34.1	-32771	-125443	-31218	SLE RA 13	-429.6	Si
1600	-41126	-158898	-31110	SLE RA 13	-38.3	-41126	-158898	-31110	SLE RA 13	-471.1	Si
1620	10072	211340	-17476	SLE RA 11	-40.8	9083	211898	-17670	SLE RA 13	-419.5	Si
1649	12790	160942	-17563	SLE RA 13	-28.8	12790	160942	-17563	SLE RA 13	-333.7	Si
1678	16562	109092	-17454	SLE RA 13	-23.2	16562	109092	-17454	SLE RA 13	-280.4	Si
1707	20334	57243	-17345	SLE RA 13	-17.7	20334	57243	-17345	SLE RA 13	-227.1	Si
1736	24106	5393	-17237	SLE RA 13	-12.1	24106	5393	-17237	SLE RA 13	-173.7	Si
1765	27878	-46457	-17128	SLE RA 13	-16.9	27878	-46457	-17128	SLE RA 13	-219.8	Si
1794	31650	-98306	-17019	SLE RA 13	-22.8	31650	-98306	-17019	SLE RA 13	-277.3	Si
1823	35422	-150156	-16910	SLE RA 13	-28.7	35422	-150156	-16910	SLE RA 13	-334.9	Si
1852	39194	-202006	-16802	SLE RA 13	-42.3	39194	-202006	-16802	SLE RA 13	-438.5	Si
1881	42967	-253855	-16693	SLE RA 13	-53.5	42967	-253855	-16693	SLE RA 13	587	Si
1910	46739	-305705	-16584	SLE RA 13	-64.6	46739	-305705	-16584	SLE RA 13	871.4	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	-83187	-122521	-77814	SLE QP 2	-63.9	Si
-111	-76005	-115377	-77705	SLE QP 2	-62.6	Si
-81	-68699	-108109	-77595	SLE QP 2	-61.2	Si
-52	-61393	-100841	-77485	SLE QP 2	-59.9	Si
-22	-54086	-93574	-77375	SLE QP 2	-58.5	Si
7	-46780	-86306	-77264	SLE QP 2	-57.1	Si
36	-39474	-79038	-77154	SLE QP 2	-55.8	Si
66	-32168	-71770	-77044	SLE QP 2	-54.4	Si
95	-24862	-64503	-76933	SLE QP 2	-53	Si
125	-17556	-57235	-76823	SLE QP 2	-51.7	Si
154	-10250	-49967	-76713	SLE QP 2	-50.3	Si
184	-2944	-42700	-76603	SLE QP 2	-48.9	Si
213	4433	-35361	-76491	SLE QP 2	-48.1	Si
242	11669	-28164	-76382	SLE QP 2	-47.8	Si
272	18975	-20896	-76272	SLE QP 2	-47.4	Si
301	26281	-13629	-76161	SLE QP 2	-47	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
331	33587	-6361	-76051	SLE QP 2	-46.7	Si
360	40769	783	-75943	SLE QP 2	-46.5	Si
380	34211	177163	-64947	SLE QP 2	-59.2	Si
409	31792	147448	-64838	SLE QP 2	-55.7	Si
438	29374	117732	-64729	SLE QP 2	-52.2	Si
467	26955	88017	-64620	SLE QP 2	-48.7	Si
496	24537	58302	-64512	SLE QP 2	-45.2	Si
525	22118	28587	-64403	SLE QP 2	-41.7	Si
554	19700	-1128	-64294	SLE QP 2	-38.4	Si
583	17281	-30843	-64185	SLE QP 2	-41.5	Si
612	14863	-60559	-64077	SLE QP 2	-44.5	Si
641	12444	-90274	-63968	SLE QP 2	-47.6	Si
670	10025	-119989	-63859	SLE QP 2	-50.6	Si
690	9592	109482	-52706	SLE QP 2	-43	Si
719	8106	86111	-52599	SLE QP 2	-40.3	Si
748	6594	62330	-52490	SLE QP 2	-37.5	Si
777	5082	38549	-52381	SLE QP 2	-34.7	Si
806	3570	14768	-52272	SLE QP 2	-31.9	Si
835	2058	-9013	-52164	SLE QP 2	-31.1	Si
864	546	-32794	-52055	SLE QP 2	-33.6	Si
893	-966	-56575	-51946	SLE QP 2	-36.2	Si
922	-2478	-80356	-51837	SLE QP 2	-38.8	Si
951	-3990	-104137	-51729	SLE QP 2	-41.5	Si
980	-5476	-127508	-51622	SLE QP 2	-44.1	Si
1000	2208	152768	-40168	SLE QP 2	-40.1	Si
1029	4539	121904	-40059	SLE QP 2	-36.8	Si
1058	6870	91040	-39951	SLE QP 2	-33.5	Si
1087	9200	60177	-39842	SLE QP 2	-30.2	Si
1116	11531	29313	-39733	SLE QP 2	-26.9	Si
1145	13862	-1551	-39624	SLE QP 2	-23.9	Si
1174	16193	-32415	-39516	SLE QP 2	-27.4	Si
1203	18523	-63278	-39407	SLE QP 2	-30.9	Si
1232	20854	-94142	-39298	SLE QP 2	-34.4	Si
1261	23185	-125006	-39189	SLE QP 2	-37.9	Si
1290	25516	-155869	-39081	SLE QP 2	-41.4	Si
1310	21122	148046	-27502	SLE QP 2	-33.6	Si
1339	17099	120074	-27396	SLE QP 2	-30.2	Si
1368	13006	91611	-27287	SLE QP 2	-26.7	Si
1397	8914	63149	-27178	SLE QP 2	-23.2	Si
1426	4821	34686	-27069	SLE QP 2	-19.7	Si
1455	728	6224	-26961	SLE QP 2	-16.2	Si
1484	-3365	-22239	-26852	SLE QP 2	-18.1	Si
1513	-7458	-50701	-26743	SLE QP 2	-21.5	Si
1542	-11551	-79164	-26634	SLE QP 2	-24.8	Si
1571	-15643	-107626	-26526	SLE QP 2	-28.2	Si
1600	-19736	-136089	-26417	SLE QP 2	-31.6	Si
1620	-4069	174311	-14749	SLE QP 2	-28	Si
1649	1122	133075	-14642	SLE QP 2	-23.2	Si
1678	6405	91115	-14533	SLE QP 2	-18.9	Si
1707	11687	49155	-14424	SLE QP 2	-14.5	Si
1736	16970	7195	-14316	SLE QP 2	-10.2	Si
1765	22252	-34764	-14207	SLE QP 2	-13.5	Si
1794	27535	-76724	-14098	SLE QP 2	-18.5	Si
1823	32817	-118684	-13989	SLE QP 2	-23.4	Si
1852	38100	-160644	-13881	SLE QP 2	-28.4	Si
1881	43382	-202604	-13772	SLE QP 2	-43.7	Si
1910	48665	-244563	-13663	SLE QP 2	-53	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

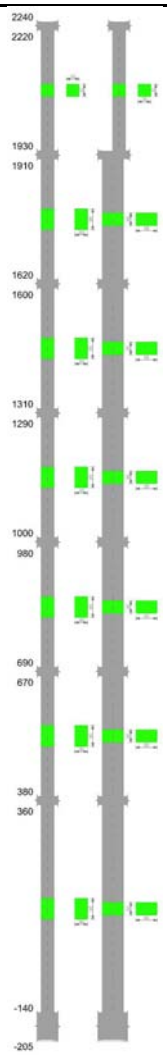
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.

Pilastro 39B

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x50	No	No	No	No		C30/37	B450C	
380	670	R 30x50	No	No	No	No		C30/37	B450C	
690	980	R 30x50	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	
1620	1910	R 30x50	No	No	No	No		C30/37	B450C	
1930	2220	R 30x30	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.67	-19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.67	19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.67	19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.9	-6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.9	6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.9	-6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.9	6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.2	-9.67	-19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.67	-19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.67	19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.67	19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.9	-6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.9	6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.9	-6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.9	6.9	1.6	2.011	-140	380	R 30x50	B450C
p.3	-9.67	-19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	9.67	-19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	9.67	19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.67	19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.9	-6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.9	6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	9.9	-6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	9.9	6.9	1.6	2.011	380	690	R 30x50	B450C
p.4	-9.67	-19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.67	-19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.67	19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.67	19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.9	-6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.9	6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.9	-6.9	1.6	2.011	690	1000	R 30x50	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.4	9.9	6.9	1.6	2.011	690	1000	R 30x50	B450C
p.5	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.5	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.6	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.6	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.6	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.6	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.6	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.6	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.6	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.6	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.7	-9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.7	9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.9	9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.9	-9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	-9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.9	-9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.9	9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.13	-9.67	5.33	1.6	2.011	1920	2240	R 30x30	B450C
p.13	9.67	5.33	1.6	2.011	1920	2240	R 30x30	B450C
p.13	9.67	24.67	1.6	2.011	1920	2240	R 30x30	B450C
p.13	-9.67	24.67	1.6	2.011	1920	2240	R 30x30	B450C
p.14	-9.9	15	1.6	2.011	1930.1	2240	R 30x30	B450C
p.15	9.9	15	1.6	2.011	1930.1	2240	R 30x30	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2.1	0	1,2	-424637	-424637	-156548	-667210	-667210	SLU 52	1.571	Si
-111	16.08	2.1	0	1,2	-424255	-424255	-156407	-667210	-667210	SLU 52	1.573	Si
-81	16.08	1.1	0	2	-423866	-423866	-156264	-667210	-667210	SLU 52	1.574	Si
-52	16.08	1.1	0	2	-423477	-423477	-156120	-667210	-667210	SLU 52	1.576	Si
-22	16.08	1.1	0	2	-423088	-423088	-155977	-667210	-667210	SLU 52	1.577	Si
7	16.08	1.1	0	2	-422699	-422699	-155834	-667210	-667210	SLU 52	1.578	Si
36	16.08	1.1	0	2	-422310	-422310	-155690	-667210	-667210	SLU 52	1.58	Si
66	16.08	1.1	0	2	-421921	-421921	-155547	-667210	-667210	SLU 52	1.581	Si
95	16.08	1.1	0	2	-421532	-421532	-155404	-667210	-667210	SLU 52	1.583	Si
125	16.08	1.1	0	2	-421143	-421143	-155260	-667210	-667210	SLU 52	1.584	Si
154	16.08	1.1	0	2	-420754	-420754	-155117	-667210	-667210	SLU 52	1.586	Si
184	16.08	1.1	0	2	-420365	-420365	-154973	-667210	-667210	SLU 52	1.587	Si
213	16.08	1.1	0	2	-419973	-419973	-154829	-667210	-667210	SLU 52	1.589	Si
242	16.08	1.1	0	2	-419588	-419588	-154687	-667210	-667210	SLU 52	1.59	Si
272	16.08	1.1	0	2	419199	-419199	-154543	667210	-667210	SLU 52	1.592	Si
301	16.08	1.1	0	2	418810	-418810	-154400	667210	-667210	SLU 52	1.593	Si
331	16.08	1.1	0	2	418421	-418421	-154257	667210	-667210	SLU 52	1.595	Si
360	16.08	1.1	0	2	418038	-418038	-154116	667210	-667210	SLU 52	1.596	Si
380	16.08	2.1	0	2,3	269320	311123	-134660	518400	598864	SLU 51	1.925	Si
409	16.08	2.1	0	2,3	269101	269101	-134550	530708	530708	SLU 52	1.972	Si
438	16.08	1.1	0	3	268818	268818	-134409	530708	530708	SLU 52	1.974	Si
467	16.08	1.1	0	3	268535	268535	-134268	530708	530708	SLU 52	1.976	Si
496	16.08	1.1	0	3	268253	268253	-134126	530708	530708	SLU 52	1.978	Si
525	16.08	1.1	0	3	267970	267970	-133985	530708	530708	SLU 52	1.98	Si
554	16.08	1.1	0	3	267687	-267687	-133844	530708	-530708	SLU 52	1.983	Si
583	16.08	1.1	0	3	-267404	-267404	-133702	-530708	-530708	SLU 52	1.985	Si
612	16.08	1.1	0	3	-267122	-267122	-133561	-530708	-530708	SLU 52	1.987	Si
641	16.08	1.1	0	3	-266839	-266839	-133419	-530708	-530708	SLU 52	1.989	Si
670	16.08	1.1	0	3	-266561	-266561	-133280	-530708	-530708	SLU 52	1.991	Si
690	16.08	2.1	0	3,4	222971	222971	-111486	530708	530708	SLU 52	2.38	Si
719	16.08	2.1	0	3,4	222689	222689	-111344	530708	530708	SLU 52	2.383	Si
748	16.08	1.1	0	4	222406	222406	-111203	530708	530708	SLU 52	2.386	Si
777	16.08	1.1	0	4	222123	222123	-111062	530708	530708	SLU 52	2.389	Si
806	16.08	1.1	0	4	221840	221840	-110920	530708	530708	SLU 52	2.392	Si
835	16.08	1.1	0	4	221558	221558	-110779	530708	530708	SLU 52	2.395	Si
864	16.08	1.1	0	4	-221275	-221275	-110637	-530708	-530708	SLU 52	2.398	Si
893	16.08	1.1	0	4	-220992	-220992	-110496	-530708	-530708	SLU 52	2.401	Si
922	16.08	1.1	0	4	-220709	-220709	-110355	-530708	-530708	SLU 52	2.405	Si
951	16.08	1.1	0	4	-220427	-220427	-110213	-530708	-530708	SLU 52	2.408	Si
980	16.08	1.1	0	4	-220144	-220144	-110072	-530708	-530708	SLU 52	2.411	Si
1000	16.08	2.1	0	4,5	176863	190720	-88431	524416	565505	SLU 52	2.965	Si
1029	16.08	2.1	0	4,5	176585	176585	-88293	530708	530708	SLU 52	3.005	Si
1058	16.08	1.1	0	5	176302	176302	-88151	530708	530708	SLU 52	3.01	Si
1087	16.08	1.1	0	5	176020	176020	-88010	530708	530708	SLU 52	3.015	Si
1116	16.08	1.1	0	5	175737	175737	-87868	530708	530708	SLU 52	3.02	Si
1145	16.08	1.1	0	5	175454	-175454	-87727	530708	-530708	SLU 52	3.025	Si
1174	16.08	1.1	0	5	-175171	-175171	-87586	-530708	-530708	SLU 52	3.03	Si
1203	16.08	1.1	0	5	-174889	-174889	-87444	-530708	-530708	SLU 52	3.035	Si
1232	16.08	1.1	0	5	-174606	-174606	-87303	-530708	-530708	SLU 52	3.039	Si
1261	16.08	1.1	0	5	-174214	-180867	-87107	-527620	-547767	SLU 51	3.029	Si
1290	16.08	1.1	0	5	-173937	-221463	-86968	-508761	-647776	SLU 51	2.925	Si
1310	16.08	2.1	0	5,6	129962	223609	-64981	474024	815592	SLU 52	3.647	Si
1339	16.08	2.1	0	5,6	129679	180404	-64840	499168	694423	SLU 52	3.849	Si
1368	16.08	1.1	0	6	129396	137200	-64698	525850	557563	SLU 52	4.064	Si
1397	16.08	1.1	0	6	129114	129114	-64557	530708	530708	SLU 52	4.11	Si
1426	16.08	1.1	0	6	128831	128831	-64415	530708	530708	SLU 52	4.119	Si
1455	16.08	1.1	0	6	128548	128548	-64274	530708	530708	SLU 52	4.128	Si
1484	16.08	1.1	0	6	-128265	-128265	-64133	-530708	-530708	SLU 52	4.138	Si
1513	16.08	1.1	0	6	-127983	-127983	-63991	-530708	-530708	SLU 52	4.147	Si
1542	16.08	1.1	0	6	-127700	-127700	-63850	-530708	-530708	SLU 52	4.156	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1571	16.08	1.1	0	6	-127417	-165231	-63709	-506806	-657214	SLU 52	3.978	Si
1600	16.08	1.1	0	6	-127134	-208436	-63567	-480181	-787254	SLU 52	3.777	Si
1620	16.08	2.1	0	6,7,9,10	170288	244251	-43200	735403	1054817	SLU 52	4.319	Si
1649	16.08	2.1	0	6,7,9,10	128169	190057	-43061	634075	940243	SLU 52	4.947	Si
1678	16.08	1.1	0	7,9,10	85840	134912	-42920	485208	762591	SLU 52	5.653	Si
1707	16.08	1.1	0	7,9,10	85557	85557	-42778	530708	530708	SLU 52	6.203	Si
1736	16.08	1.1	0	7,9,10	-85274	85274	-42637	-530708	530708	SLU 52	6.224	Si
1765	16.08	1.1	0	7,9,10	-84991	-84991	-42496	-530708	-530708	SLU 52	6.244	Si
1794	16.08	1.1	0	7,9,10	-86119	-85667	-42354	-538099	-535273	SLU 52	6.248	Si
1823	16.08	1.1	0	7,9,10	-128977	-140812	-42213	-707897	-772853	SLU 52	5.489	Si
1852	16.08	1.1	0	7,9,10	-171835	-195957	-42072	-820667	-935871	SLU 52	4.776	Si
1881	16.08	1.1	0	7,9,10	-214693	-251102	-41930	-889147	-1039935	SLU 52	4.141	Si
1910	28.88	2.7	0	7,8,9,10,11,12	-257550	-306247	-41789	-1111236	-1321342	SLU 52	4.315	Si
1930	17.78	2.7	0	8,9,11,12,13	-170617	130639	-15493	-712488	545542	SLU 51	4.176	Si
1959	10.87	3.1	0	8,9,11,12,13,14,15	-133426	107187	-15409	-593869	477080	SLU 51	4.451	Si
1988	12.06	1.3	0	13,14,15	-95582	83323	-15325	-563929	491599	SLU 51	5.9	Si
2017	12.06	1.3	0	13,14,15	-57739	59459	-15240	-457891	471534	SLU 51	7.93	Si
2046	12.06	1.3	0	13,14,15	-30310	35595	-15155	-308483	362274	SLU 51	10.178	Si
2075	12.06	1.3	0	13,14,15	30178	30178	-15089	316346	316346	SLU 52	10.483	Si
2104	12.06	1.3	0	13,14,15	59343	-29658	-14829	546211	-272977	SLU 48	9.204	Si
2133	12.06	1.3	0	13,14,15	95999	-34987	-14744	713268	-259948	SLU 48	7.43	Si
2162	12.06	1.3	0	13,14,15	132393	-59321	-14835	741785	-332372	SLU 52	5.603	Si
2191	12.06	1.3	0	13,14,15	170545	-82892	-14750	740664	-359995	SLU 52	4.343	Si
2220	16.59	2.7	0	13,14,15	208040	-106057	-14666	837113	-426752	SLU 52	4.024	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	16.08	2.1	0	1,2	952784	-350899	-98967	-2.02	1.92	1329215	-489534	SLV 9	1.395				Si
-111	16.08	2.1	0	1,2	881716	-324006	-98859	-2.02	1.92	1306376	-480056	SLV 9	1.482				Si
-81	16.08	1.1	0	2	809445	-296650	-98749	-2.02	1.92	1275502	-467453	SLV 9	1.576				Si
-52	16.08	1.1	0	2	737210	-269298	-98638	-2.02	1.92	1235485	-451315	SLV 9	1.676				Si
-22	16.08	1.1	0	2	665023	-241952	-98528	-2.02	1.92	1184393	-430912	SLV 9	1.781				Si
7	16.08	1.1	0	2	592897	-214613	-98418	-2.02	1.92	1121648	-406006	SLV 9	1.892				Si
36	16.08	1.1	0	2	520861	-187285	-98307	-2.02	1.92	1045984	-376102	SLV 9	2.008				Si
66	16.08	1.1	0	2	448964	-159978	-98197	-2.02	1.92	956793	-340932	SLV 9	2.131				Si
95	16.08	1.1	0	2	377272	-132708	-98087	-2.02	1.92	854135	-300449	SLV 9	2.264				Si
125	16.08	1.1	0	2	305929	-105521	-97977	-2.02	1.92	738316	-254659	SLV 9	2.413				Si
154	16.08	1.1	0	2	-47652	-26175	-105423	-2.02	1.92	-122841	-67476	SLV 1	2.578				Si
184	16.08	1.1	0	2	-35341	-33918	-105313	-2.02	1.92	-91200	-87529	SLV 1	2.581				Si
213	16.08	1.1	0	2	-26340	-50588	-105202	-2.02	1.92	-68046	-130684	SLV 1	2.583				Si
242	16.08	1.1	0	2	-32949	-63833	-105093	-2.02	1.92	-85205	-165073	SLV 1	2.586				Si
272	16.08	1.1	0	2	-77964	-78485	-104982	-2.02	1.92	-201828	-203176	SLV 1	2.589				Si
301	16.08	1.1	0	2	-86228	-88820	-104872	-2.02	1.92	-223453	-230173	SLV 1	2.591				Si
331	16.08	1.1	0	2	158002	-108363	-102601	-2.02	1.92	400934	-274975	SLV 3	2.538				Si
360	16.08	1.1	0	2	208322	-123122	-102493	-2.02	1.92	506845	-299554	SLV 3	2.433				Si
380	16.08	2.1	0	2,3	-71955	371112	-89169	-2.02	1.92	-163157	841495	SLV 3	2.267				Si
409	16.08	2.1	0	2,3	-56748	302493	-89061	-2.02	1.92	-138660	739125	SLV 3	2.443				Si
438	16.08	1.1	0	3	-44376	233989	-88952	-2.02	1.92	-117217	618074	SLV 3	2.641				Si
467	16.08	1.1	0	3	-37259	165765	-88843	-2.02	1.92	-106772	475027	SLV 3	2.866				Si
496	16.08	1.1	0	3	5899	87341	-90560	-2.02	1.92	17702	262110	SLV 1	3.001				Si
525	16.08	1.1	0	3	30767	29340	-90451	-2.02	1.92	92442	88155	SLV 1	3.005				Si
554	16.08	1.1	0	3	46280	-43944	-90342	-2.02	1.92	139219	-132191	SLV 1	3.008				Si
583	16.08	1.1	0	3	117072	-112934	-88408	-2.02	1.92	341607	-329532	SLV 3	2.918				Si
612	16.08	1.1	0	3	131193	-181114	-88299	-2.02	1.92	352446	-486555	SLV 3	2.686				Si
641	16.08	1.1	0	3	147399	-249603	-88191	-2.02	1.92	366114	-619972	SLV 3	2.484				Si
670	16.08	1.1	0	3	164504	-317031	-88084	-2.02	1.92	379526	-731422	SLV 3	2.307				Si
690	16.08	2.1	0	3,4	-198446	254888	-73279	-2.02	1.92	-535627	687969	SLV 3	2.699				Si
719	16.08	2.1	0	3,4	-170993	206000	-73171	-2.02	1.92	-497182	598971	SLV 3	2.908				Si
748	16.08	1.1	0	4	-144900	157254	-73062	-2.02	1.92	-454597	493355	SLV 3	3.137				Si
777	16.08	1.1	0	4	-121092	108839	-72953	-2.02	1.92	-411445	369812	SLV 3	3.398				Si
806	16.08	1.1	0	4	125437	51236	-74338	-2.02	1.92	450977	184206	SLV 1	3.595				Si
835	16.08	1.1	0	4	100748	15102	-74229	-2.02	1.92	368860	55293	SLV 1	3.661				Si
864	16.08	1.1	0	4	58233	-37785	-74120	-2.02	1.92	213517	-138544	SLV 1	3.667				Si
893	16.08	1.1	0	4	92126	-92447	-72518	-2.02	1.92	328814	-329958	SLV 3	3.569				Si
922	16.08	1.1	0	4	106709	-140645	-72409	-2.02	1.92	353407	-465799	SLV 3	3.312				Si
951	16.08	1.1	0	4	127695	-189315	-72301	-2.02	1.92	392474	-581864	SLV 3	3.074				Si
980	16.08	1.1	0	4	152182	-238166	-72192	-2.02	1.92	434990	-680763	SLV 3	2.858				Si
1000	16.08	2.1	0	4,5	-149395	240779	-57716	-2.02	1.92	-485252	782078	SLV 3	3.248				Si
1029	16.08	2.1	0	4,5	-128238	189960	-57609	-2.02	1.92	-456957	676892	SLV 3	3.563				Si
1058	16.08	1.1	0	5	-110938	138654	-57500	-2.02	1.92	-433291	541541	SLV 3	3.906				Si
1087	16.08	1.1	0	5	38314	75776	-58633	-2.02	1.92	174742	345597	SLV 1	4.561				Si
1116	16.08	1.1	0	5	123063	36814	-57283	-2.02	1.92	559606	167407	SLV 3	4.547				Si
1145	16.08	1.1	0	5	124755	-34967	-57174	-2.02	1.92	568699	-159399	SLV 3	4.559				Si
1174	16.08	1.1	0	5	136557	-79533	-57065	-2.02	1.92	574355	-334514	SLV 3	4.206				Si
1203	16.08	1.1	0	5	154782	-129541	-56957	-2.02	1.92	594165	-497272	SLV 3	3.839				Si
1232	16.08	1.1	0	5	176938	-180791	-56848	-2.02	1.92	619427	-632913	SLV 3	3.501				Si
1261	16.08	1.1	0	5	201566	-232479	-56739	-2.02	1.92	641127	-739455	SLV 3	3.181				Si
1290	16.08	1.1	0	5	227342	-283475	-56632	-2.02	1.92	655169	-816938	SLV 3	2.882				Si
1310	16.08	2.1	0	5,6	269644	250965	-41598	-2.02	1.92	858888	799390	SLV 5	3.185				Si
1339	16.08	2.1	0	5,6	215217	202093	-41489	-2.02	1.92	809640	760268	SLV 5	3.762				Si
1368	16.08	1.1	0	6	-159323	159046	-41581	-2.02	1.92	-698285	697069	SLV 3	4.383				Si
1397	16.08	1.1	0	6	-132104	108609	-41472	-2.02	1.92	-661681	543998	SLV 3	5.009				Si
1426	16.08	1.1	0	6	108639	59490	-41363	-2.02	1.92	619729	339362	SLV 3	5.704				Si
1455	16.08	1.1	0	6	123900	-10714	-41255	-2.02	1.92	763167	-65992	SLV 3	6.16				Si
1484	16.08	1.1	0	6	113730	-63439	-41146	-2.02	1.92	641497	-357829	SLV 3	5.641				Si
1513	16.08	1.1	0	6	120019	-119328	-41037	-2.02	1.92	600646	-597188	SLV 3	5.005				Si
1542	16.08	1.1	0	6	137847	-177584	-40928	-2.02	1.92	600500	-773608	SLV 3	4.356				Si
1571	16.08	1.1	0	6	162767	-236497	-40820	-2.02	1.92	607306	-882404	SLV 3	3.731				Si
1600	16.08	1.1	0	6	191750	-295680	-40711	-2.02	1.92	608215	-937872	SLV 3	3.172				Si
1620	16.08	2.1	0	6,7,9,10	315588	287823	-27461	-2.02	1.92	875449	798429	SLV 1	2.774				Si
1649	16.08	2.1	0	6,7,9,10	243660	223688	-27354	-2.02	1.92	885025	812483	SLV 1	3.632				Si
1678	16.08	1.1	0	7,9,10	175083	158991	-27245	-2.02	1.92	868415	788597	SLV 1	4.96				Si
1707	16.08	1.1	0	7,9,10	93415	96188	-27136	-2.02	1.92	654316	673737	SLV 1	7.004				Si
1736	16.08	1.1	0	7,9,10	93805	22135	-26322	-2.02	1.92	836682	197427	SLV 3	8.919				Si
1765	16.08	1.1	0	7,9,10	-166015	18542	-24958	-2.02	1.92	-1324224	147897	SLV 9	7.977				Si
1794	16.08	1.1	0	7,9,10	156581	-95965	-23783	-2.02	1.92	1027710	-629863	SLV 7	6.563				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1823	16.08	1.1	0	7,9,10	195566	-150545	-23674	-2.02	1.92	977898	-752777	SLV 7	5				Si
1852	16.08	1.1	0	7,9,10	236186	-205700	-23566	-2.02	1.92	911131	-793524	SLV 7	3.858				Si
1881	16.08	1.1	0	7,9,10	277628	-261091	-23457	-2.02	1.92	855153	-804216	SLV 7	3.08				Si
1910	28.88	2.7	0	7,8,9,10,11,12	319532	-316602	-23348	-2.02	1.92	933396	-924837	SLV 7	2.921				Si
1930	17.78	2.7	0	8,9,11,12,13	-175874	248965	-9961	-2.02	1.92	-322938	457146	SLV 1	1.836				Si
1959	10.87	3.1	0	8,9,11,12,13,14,15	-138924	205691	-9897	-2.02	1.92	-296467	438947	SLV 1	2.134				Si
1988	12.06	1.3	0	13,14,15	-30119	162711	-9347	-2.02	1.92	-114878	620608	SLV 3	3.814				Si
2017	12.06	1.3	0	13,14,15	9157	124218	-8160	-2.02	1.92	49327	669178	SLV 7	5.387				Si
2046	12.06	1.3	0	13,14,15	19135	93630	-8095	-2.02	1.92	127359	623173	SLV 7	6.656				Si
2075	12.06	1.3	0	13,14,15	27893	74497	-8030	-2.02	1.92	213436	570053	SLV 7	7.652				Si
2104	12.06	1.3	0	13,14,15	38010	-80719	-9106	-2.02	1.92	254980	-541483	SLV 9	6.708				Si
2133	12.06	1.3	0	13,14,15	61525	-109943	-9041	-2.02	1.92	282836	-505418	SLV 9	4.597				Si
2162	12.06	1.3	0	13,14,15	145695	-139733	-9440	-2.02	1.92	400833	-384429	SLV 1	2.751				Si
2191	12.06	1.3	0	13,14,15	183460	-182543	-9375	-2.02	1.92	384775	-382853	SLV 1	2.097				Si
2220	16.59	2.7	0	13,14,15	220970	-225748	-9311	-2.02	1.92	432961	-442322	SLV 1	1.959				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2.1	0	1,2	363036	-231076	-98196	765154	-487029	SLD 9	2.108	Si
-111	16.08	2.1	0	1,2	335411	-214467	-98088	727179	-464968	SLD 9	2.168	Si
-81	16.08	1.1	0	2	307323	-197571	-97977	685999	-441013	SLD 9	2.232	Si
-52	16.08	1.1	0	2	279256	-180678	-97867	642278	-415551	SLD 9	2.3	Si
-22	16.08	1.1	0	2	251216	-163787	-97757	595872	-388495	SLD 9	2.372	Si
7	16.08	1.1	0	2	223211	-146901	-97647	546540	-359692	SLD 9	2.449	Si
36	16.08	1.1	0	2	195259	-130022	-97536	494030	-328972	SLD 9	2.53	Si
66	16.08	1.1	0	2	167386	-113154	-97426	438082	-296146	SLD 9	2.617	Si
95	16.08	1.1	0	2	-38639	-47986	-100277	-104718	-130051	SLD 1	2.71	Si
125	16.08	1.1	0	2	-32057	-45247	-100167	-86977	-122762	SLD 1	2.713	Si
154	16.08	1.1	0	2	-25764	-42373	-100057	-69978	-115092	SLD 1	2.716	Si
184	16.08	1.1	0	2	-20139	-39168	-99947	-54760	-106504	SLD 1	2.719	Si
213	16.08	1.1	0	2	-16269	-40481	-99835	-44288	-110196	SLD 1	2.722	Si
242	16.08	1.1	0	2	-19381	-39556	-99726	-52816	-107795	SLD 1	2.725	Si
272	16.08	1.1	0	2	-39314	-39233	-99616	-107256	-107035	SLD 1	2.728	Si
301	16.08	1.1	0	2	-40749	-37199	-99505	-111295	-101597	SLD 1	2.731	Si
331	16.08	1.1	0	2	20240	-26938	-99395	55340	-73655	SLD 1	2.734	Si
360	16.08	1.1	0	2	26722	-24296	-99287	73143	-66502	SLD 1	2.737	Si
380	16.08	2.1	0	2,3	72581	243522	-86477	190958	640697	SLD 1	2.631	Si
409	16.08	2.1	0	2,3	60948	199959	-86368	169411	555802	SLD 1	2.78	Si
438	16.08	1.1	0	3	48704	156437	-86259	143523	461001	SLD 1	2.947	Si
467	16.08	1.1	0	3	35698	113021	-86150	111970	354499	SLD 1	3.137	Si
496	16.08	1.1	0	3	22083	70015	-86042	69750	221148	SLD 1	3.159	Si
525	16.08	1.1	0	3	27181	27034	-85933	85961	85499	SLD 1	3.163	Si
554	16.08	1.1	0	3	27854	-23170	-85824	88202	-73369	SLD 1	3.167	Si
583	16.08	1.1	0	3	16094	-62769	-85715	51028	-199015	SLD 1	3.171	Si
612	16.08	1.1	0	3	47996	-117129	-84883	150499	-367275	SLD 3	3.136	Si
641	16.08	1.1	0	3	46046	-164202	-84774	136462	-486632	SLD 3	2.964	Si
670	16.08	1.1	0	3	44691	-210534	-84667	125623	-591795	SLD 3	2.811	Si
690	16.08	2.1	0	3,4	-58575	164099	-70512	-198068	554887	SLD 3	3.381	Si
719	16.08	2.1	0	3,4	-51930	132636	-70403	-184611	471520	SLD 3	3.555	Si
748	16.08	1.1	0	4	-45930	101252	-70294	-171987	379144	SLD 3	3.745	Si
777	16.08	1.1	0	4	-3204	63131	-70783	-12300	242390	SLD 1	3.839	Si
806	16.08	1.1	0	4	61822	35089	-70675	237726	134929	SLD 1	3.845	Si
835	16.08	1.1	0	4	49033	8874	-70566	188841	34178	SLD 1	3.851	Si
864	16.08	1.1	0	4	26226	-25471	-70457	101159	-98248	SLD 1	3.857	Si
893	16.08	1.1	0	4	12320	-53139	-70348	47594	-205287	SLD 1	3.863	Si
922	16.08	1.1	0	4	38529	-90144	-69642	148723	-347955	SLD 3	3.86	Si
951	16.08	1.1	0	4	42149	-121481	-69533	154845	-446289	SLD 3	3.674	Si
980	16.08	1.1	0	4	47339	-152921	-69424	165702	-535280	SLD 3	3.5	Si
1000	16.08	2.1	0	4,5	-44486	165195	-55460	-180066	668660	SLD 3	4.048	Si
1029	16.08	2.1	0	4,5	-39027	130378	-55353	-168600	563246	SLD 3	4.32	Si
1058	16.08	1.1	0	5	-35067	95150	-55245	-162342	440491	SLD 3	4.629	Si
1087	16.08	1.1	0	5	26227	55162	-55638	128107	269443	SLD 1	4.885	Si
1116	16.08	1.1	0	5	37466	27131	-55529	183366	132782	SLD 1	4.894	Si
1145	16.08	1.1	0	5	31941	-16960	-55421	156629	-83166	SLD 1	4.904	Si
1174	16.08	1.1	0	5	26702	-47248	-55312	131198	-232150	SLD 1	4.913	Si
1203	16.08	1.1	0	5	58781	-86919	-54701	272395	-402785	SLD 3	4.634	Si
1232	16.08	1.1	0	5	63969	-122103	-54592	277350	-529406	SLD 3	4.336	Si
1261	16.08	1.1	0	5	70310	-157513	-54483	285989	-640689	SLD 3	4.068	Si
1290	16.08	1.1	0	5	77281	-192416	-54377	295930	-736813	SLD 3	3.829	Si
1310	16.08	2.1	0	5,6	147736	182438	-40056	635891	785255	SLD 5	4.304	Si
1339	16.08	2.1	0	5,6	119208	146948	-39947	573039	706385	SLD 5	4.807	Si
1368	16.08	1.1	0	6	91208	111568	-39838	488763	597868	SLD 5	5.359	Si
1397	16.08	1.1	0	6	64516	76445	-39729	387124	458706	SLD 5	6	Si
1426	16.08	1.1	0	6	43789	46868	-40094	288706	309002	SLD 1	6.593	Si
1455	16.08	1.1	0	6	38383	651	-39985	260882	4428	SLD 1	6.797	Si
1484	16.08	1.1	0	6	46034	-39525	-39480	312239	-268089	SLD 3	6.783	Si
1513	16.08	1.1	0	6	41733	-77548	-39371	258871	-481037	SLD 3	6.203	Si
1542	16.08	1.1	0	6	41901	-116674	-39262	237055	-660078	SLD 3	5.657	Si
1571	16.08	1.1	0	6	44833	-156108	-39153	231907	-807500	SLD 3	5.173	Si
1600	16.08	1.1	0	6	49379	-195669	-39045	232827	-922591	SLD 3	4.715	Si
1620	16.08	2.1	0	6,7,9,10	186576	200408	-26002	798730	857941	SLD 1	4.281	Si
1649	16.08	2.1	0	6,7,9,10	144216	156711	-25896	769731	836423	SLD 1	5.337	Si
1678	16.08	1.1	0	7,9,10	103224	112542	-25787	691104	753494	SLD 1	6.695	Si
1707	16.08	1.1	0	7,9,10	55979	69307	-25678	471837	584179	SLD 1	8.429	Si
1736	16.08	1.1	0	7,9,10	43161	20283	-25276	450907	211891	SLD 3	10.447	Si
1765	16.08	1.1	0	7,9,10	-81860	647	-24646	-840106	6640	SLD 9	10.263	Si
1794	16.08	1.1	0	7,9,10	-128176	-22058	-24537	-1111835	-191340	SLD 9	8.674	Si
1823	16.08	1.1	0	7,9,10	-142165	-64480	-24962	-1045979	-474414	SLD 5	7.357	Si
1852	16.08	1.1	0	7,9,10	-182877	-92837	-24853	-1130373	-573830	SLD 5	6.181	Si
1881	16.08	1.1	0	7,9,10	-223512	-121155	-24745	-1157751	-627561	SLD 5	5.18	Si
1910	28.88	2.7	0	7,8,9,10,11,12	-323596	-107776	-24102	-1630717	-543120	SLD 9	5.039	Si
1930	17.78	2.7	0	8,9,11,12,13	-130422	158025	-9362	-397625	481778	SLD 1	3.049	Si
1959	10.87	3.1	0	8,9,11,12,13,14,15	-102598	130437	-9298	-340558	432965	SLD 1	3.319	Si
1988	12.06	1.3	0	13,14,15	-40344	102712	-9035	-219624	559141	SLD 3	5.444	Si
2017	12.06	1.3	0	13,14,15	-11488	76300	-8502	-96482	640800	SLD 7	8.398	Si
2046	12.06	1.3	0	13,14,15	3552	53044	-8437	41721	623037	SLD 7	11.746	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
2075	12.06	1.3	0	13,14,15	23226	29753	-8839	298273	382092	SLD 3	12.842	Si
2104	12.06	1.3	0	13,14,15	34285	-35292	-8764	378024	-389126	SLD 9	11.026	Si
2133	12.06	1.3	0	13,14,15	56039	-56075	-8699	415009	-415275	SLD 9	7.406	Si
2162	12.06	1.3	0	13,14,15	103328	-78981	-8841	463141	-354012	SLD 1	4.482	Si
2191	12.06	1.3	0	13,14,15	131595	-106434	-8776	441040	-356712	SLD 1	3.351	Si
2220	16.59	2.7	0	13,14,15	159552	-133889	-8712	487311	-408931	SLD 1	3.054	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	526	-156349	SLU 51	12805	37030	37944	2.1	70.38	288	-129826	SLU 41	12600	39538	45230	2.5	137.13	Si
-111	4X/2Y Ø8/10	526	-156208	SLU 51	12805	37030	37995	2.1	70.38	288	-129685	SLU 41	12600	39538	45230	2.5	137.13	Si
-81	4X/2Y Ø8/10	526	-156064	SLU 51	12805	37030	38047	2.1	70.38	288	-129542	SLU 41	12600	39538	45230	2.5	137.13	Si
-52	4X/2Y Ø8/10	526	-155921	SLU 51	12805	37030	38099	2.1	70.38	288	-129398	SLU 41	12600	39538	45230	2.5	137.13	Si
-22	4X/2Y Ø8/14.7	526	-155778	SLU 51	12805	29910	33891	2.5	56.85	288	-129255	SLU 41	12600	26827	45230	2.5	93.04	Si
7	4X/2Y Ø8/14.7	526	-155634	SLU 51	12805	29910	33937	2.5	56.85	288	-129112	SLU 41	12600	26827	45230	2.5	93.04	Si
36	4X/2Y Ø8/14.7	526	-155491	SLU 51	12805	29910	33983	2.5	56.85	288	-128968	SLU 41	12600	26827	45230	2.5	93.04	Si
66	4X/2Y Ø8/14.7	526	-155347	SLU 51	12805	29910	34030	2.5	56.85	288	-128825	SLU 41	12600	26827	45230	2.5	93.04	Si
95	4X/2Y Ø8/14.7	526	-155204	SLU 51	12805	29910	34076	2.5	56.85	288	-128682	SLU 41	12600	26827	45230	2.5	93.04	Si
125	4X/2Y Ø8/14.7	526	-155061	SLU 51	12805	29910	34122	2.5	56.85	288	-128538	SLU 41	12600	26827	45230	2.5	93.04	Si
154	4X/2Y Ø8/14.7	526	-154917	SLU 51	12805	29910	34168	2.5	56.85	288	-128395	SLU 41	12600	26827	45230	2.5	93.04	Si
184	4X/2Y Ø8/14.7	526	-154774	SLU 51	12805	29910	34214	2.5	56.85	288	-128251	SLU 41	12600	26827	45230	2.5	93.04	Si
213	4X/2Y Ø8/14.7	526	-154629	SLU 51	12805	29910	34261	2.5	56.85	288	-128107	SLU 41	12600	26827	45230	2.5	93.04	Si
242	4X/2Y Ø8/10	526	-154487	SLU 51	12805	37907	38044	2.15	72.05	288	-127965	SLU 41	12600	39534	45230	2.5	137.11	Si
272	4X/2Y Ø8/10	526	-154344	SLU 51	12805	37907	38095	2.15	72.05	288	-127821	SLU 41	12600	39534	45230	2.5	137.11	Si
301	4X/2Y Ø8/10	526	-154200	SLU 51	12805	37907	38146	2.15	72.05	288	-127678	SLU 41	12600	39534	45230	2.5	137.11	Si
331	4X/2Y Ø8/10	526	-154057	SLU 51	12805	37907	38197	2.15	72.05	288	-127534	SLU 41	12600	39534	45230	2.5	137.11	Si
360	4X/2Y Ø8/10	526	-153916	SLU 51	12805	37907	38248	2.15	72.05	288	-127394	SLU 41	12600	39534	45230	2.5	137.11	Si
380	4X/2Y Ø8/10	-1873	-134660	SLU 51	12805	41434	42515	2.35	22.12	-858	-127731	SLU 46	12600	39534	45230	2.5	46.09	Si
409	4X/2Y Ø8/10	-1873	-134519	SLU 51	12805	41434	42563	2.35	22.12	-858	-127589	SLU 46	12600	39534	45230	2.5	46.09	Si
438	4X/2Y Ø8/10	-1873	-134377	SLU 51	12805	41434	42610	2.35	22.12	-858	-127448	SLU 46	12600	39534	45230	2.5	46.09	Si
467	4X/2Y Ø8/14.4	-1873	-134236	SLU 51	12805	30516	40827	2.5	16.29	-858	-127307	SLU 46	12600	27370	45230	2.5	31.91	Si
496	4X/2Y Ø8/14.4	-1873	-134095	SLU 51	12805	30516	40873	2.5	16.29	-858	-127165	SLU 46	12600	27370	45230	2.5	31.91	Si
525	4X/2Y Ø8/14.4	-1873	-133953	SLU 51	12805	30516	40918	2.5	16.29	-858	-127024	SLU 46	12600	27370	45230	2.5	31.91	Si
554	4X/2Y Ø8/14.4	-1873	-133812	SLU 51	12805	30516	40964	2.5	16.29	-858	-126883	SLU 46	12600	27370	45230	2.5	31.91	Si
583	4X/2Y Ø8/14.4	-1873	-133670	SLU 51	12805	30516	41009	2.5	16.29	-858	-126741	SLU 46	12600	27370	45230	2.5	31.91	Si
612	4X/2Y Ø8/10	-1873	-133529	SLU 51	12805	41434	42896	2.35	22.12	-858	-126600	SLU 46	12600	39534	45230	2.5	46.09	Si
641	4X/2Y Ø8/10	-1873	-133388	SLU 51	12805	42315	42316	2.4	22.59	-858	-126458	SLU 46	12600	39534	45230	2.5	46.09	Si
670	4X/2Y Ø8/10	-1873	-133249	SLU 51	12805	42315	42362	2.4	22.59	-858	-126319	SLU 46	12600	39534	45230	2.5	46.09	Si
690	4X/2Y Ø8/10	-1149	-111486	SLU 52	12805	42315	43268	2.4	36.82	-464	-111486	SLU 52	12600	39534	45230	2.5	85.13	Si
719	4X/2Y Ø8/10	-1149	-111344	SLU 52	12805	42315	43268	2.4	36.82	-464	-111344	SLU 52	12600	39534	45230	2.5	85.13	Si
748	4X/2Y Ø8/10	-1149	-111203	SLU 52	12805	42315	43268	2.4	36.82	-464	-111203	SLU 52	12600	39534	45230	2.5	85.13	Si
777	4X/2Y Ø8/14.4	-1149	-111062	SLU 52	12805	30516	42024	2.5	26.56	-464	-111062	SLU 52	12600	27370	45230	2.5	58.94	Si
806	4X/2Y Ø8/14.4	-1149	-110920	SLU 52	12805	30516	42024	2.5	26.56	-464	-110920	SLU 52	12600	27370	45230	2.5	58.94	Si
835	4X/2Y Ø8/14.4	-1149	-110779	SLU 52	12805	30516	42024	2.5	26.56	-464	-110779	SLU 52	12600	27370	45230	2.5	58.94	Si
864	4X/2Y Ø8/14.4	-1149	-110637	SLU 52	12805	30516	42024	2.5	26.56	-464	-110637	SLU 52	12600	27370	45230	2.5	58.94	Si
893	4X/2Y Ø8/14.4	-1149	-110496	SLU 52	12805	30516	42024	2.5	26.56	-464	-110496	SLU 52	12600	27370	45230	2.5	58.94	Si
922	4X/2Y Ø8/10	-1149	-110355	SLU 52	12805	42315	43268	2.4	36.82	-464	-110355	SLU 52	12600	39534	45230	2.5	85.13	Si
951	4X/2Y Ø8/10	-1149	-110213	SLU 52	12805	42315	43268	2.4	36.82	-464	-110213	SLU 52	12600	39534	45230	2.5	85.13	Si
980	4X/2Y Ø8/10	-1149	-110072	SLU 52	12805	42315	43268	2.4	36.82	-464	-110072	SLU 52	12600	39534	45230	2.5	85.13	Si
1000	4X/2Y Ø8/10	-1424	-88377	SLU 51	12805	42315	43268	2.4	29.71	-346	-88377	SLU 51	12600	39534	45230	2.5	114.21	Si
1029	4X/2Y Ø8/10	-1424	-88238	SLU 51	12805	42315	43268	2.4	29.71	-346	-88238	SLU 51	12600	39534	45230	2.5	114.21	Si
1058	4X/2Y Ø8/10	-1424	-88097	SLU 51	12805	42315	43268	2.4	29.71	-346	-88097	SLU 51	12600	39534	45230	2.5	114.21	Si
1087	4X/2Y Ø8/14.4	-1424	-87955	SLU 51	12805	30516	42024	2.5	21.42	-346	-87955	SLU 51	12600	27370	45230	2.5	79.07	Si
1116	4X/2Y Ø8/14.4	-1424	-87814	SLU 51	12805	30516	42024	2.5	21.42	-346	-87814	SLU 51	12600	27370	45230	2.5	79.07	Si
1145	4X/2Y Ø8/14.4	-1424	-87673	SLU 51	12805	30516	42024	2.5	21.42	-346	-87673	SLU 51	12600	27370	45230	2.5	79.07	Si
1174	4X/2Y Ø8/14.4	-1424	-87531	SLU 51	12805	30516	42024	2.5	21.42	-346	-87531	SLU 51	12600	27370	45230	2.5	79.07	Si
1203	4X/2Y Ø8/14.4	-1424	-87390	SLU 51	12805	30516	42024	2.5	21.42	-346	-87390	SLU 51	12600	27370	45230	2.5	79.07	Si
1232	4X/2Y Ø8/10	-1424	-87249	SLU 51	12805	42315	43268	2.4	29.71	-346	-87249	SLU 51	12600	39534	45230	2.5	114.21	Si
1261	4X/2Y Ø8/10	-1424	-87107	SLU 51	12805	42315	43268	2.4	29.71	-346	-87107	SLU 51	12600	39534	45230	2.5	114.21	Si
1290	4X/2Y Ø8/10	-1424	-86968	SLU 51	12805	42315	43268	2.4	29.71	-346	-86968	SLU 51	12600	39534	45230	2.5	114.21	Si
1310	4X/2Y Ø8/10	-1490	-64981	SLU 52	12805	42315	43231	2.4	28.4	-726	-63888	SLU 49	12600	39534	45040	2.5	54.45	Si
1339	4X/2Y Ø8/10	-1490	-64840	SLU 52	12805	42315	43212	2.4	28.4	-726	-63746	SLU 49	12600	39534	45020	2.5	54.45	Si
1368	4X/2Y Ø8/10	-1490	-64698	SLU 52	12805	42315	43193	2.4	28.4	-726	-63605	SLU 49	12600	39534	45001	2.5	54.45	Si
1397	4X/2Y Ø8/14.4	-1490	-64557	SLU 52	12805	30516	41934	2.5	20.48	-726	-63464	SLU 49	12600	27370	44981	2.5	37.7	Si
1426	4X/2Y Ø8/14.4	-1490	-64415	SLU 52	12805	30516	41916	2.5	20.48	-726	-63322	SLU 49	12600	27370	44962	2.5	37.7	Si
1455	4X/2Y Ø8/14.4	-1490	-64274	SLU 52	12805	30516	41898	2.5	20.48	-726	-63181	SLU 49	12600	27370	44942	2.5	37.7	Si
1484	4X/2Y Ø8/14.4	-1490	-64133	SLU 52	12805	30516	41879	2.5	20.48	-726	-63039	SLU 49	12600	27370	44922	2.5	37.7	Si
1513	4X/2Y Ø8/14.4	-1490	-63991	SLU 52	12805	30516	41861	2.5	20.48	-726	-62898	SLU 49	12600	27370	44903	2.5	37.7	Si
1542	4X/2Y Ø8/10	-1490	-63850	SLU 52	12805	42315	43081	2.4	28.4	-726	-62757	SLU 49	12600	39534	44883	2.5	54.45	Si
1571	4X/2Y Ø8/10	-1490	-63709	SLU 52	12805	42315	43062	2.4	28.4	-726	-62615	SLU 49	12600	39534	44864	2.5	54.45	Si
1600	4X/2Y Ø8/10	-1490	-63567	SLU 52	12805	42315	43043	2.4	28.4	-726	-62474	SLU 49	12600	39534	44844	2.5	54.45	Si
1620	4X/2Y Ø8/10	-1908	-42137	SLU 50	11551	40552	41405	2.3	21.25	-1478	-43200	SLU 52	11393	39534	42172	2.5	26.75	Si
1649	4X/2Y Ø8/10	-1908	-41998	SLU 50	11534	40552	41386	2.3	21.25	-1478	-43061	SLU 52	11375	39534	42153	2.5	26.75	Si
1678	4X/2Y Ø8/10	-1908	-41857	SLU 50	11517	40552	41367	2.3	21.25	-1478	-42920	SLU 52	11356	39534	42133	2.5	26.75	Si
1707	4X/2Y Ø8/14.4	-1908	-41716	SLU 50	11499	30516	38992	2.5	15.99	-1478	-42778	SLU 52	11337	27370	42114	2.5	18.52	Si
1736	4X/2Y Ø8/14.4	-1908	-41574	SLU 50	11481	30516	38974	2.5	15.99	-1478	-42637	SLU 52	11318	27370	42094	2.5	18.52	Si
1765	4X/2Y Ø8/14.4	-1908	-41433	SLU 50	11464	30516	38956	2.5	15.99	-1478	-42496	SLU 52	11299	27370	42075	2.5	18.52	Si
1794	4X/2Y Ø8/14.4	-1908	-41292	SLU 50	11446	30516	38938	2.5	15.99	-1478	-42354	SLU 52	11280	27370	42055	2.5	18.52	Si
1823	4X/2Y Ø8/14.4	-1908	-41150	SLU 50	11429	30516	38919	2.5	15.99	-1478	-42213	SLU 52	11261	27370	42036	2.5	18.52	Si
1852	4X/2Y Ø8/10	-1908	-41009	SLU 50	11411	40552	41251	2.3	21.25	-1478	-42072	SLU 52	11242	39534	42016	2.5	26.75	Si
1881	4X/2Y Ø8/10	-1908	-40867	SLU 50	11393	40552	41232	2.3	21.25	-1478	-41930	SLU 52	11223	39534	41996	2.5	26.75	Si
1910	4X/2Y Ø8/10	-1908	-40726	SLU 50	11376	40552	41213	2.3	21.25	-1478	-41789	SLU 52	11204	39534	41977	2.5	26.75	Si
1930	3X/2Y Ø8/10	-823	-15493	SLU 51	5671	25543	25856	1.95	31.04	1316	-15512	SLU 52	5714	22039	22170	2.5	16.75	Si
1959	3X/2Y Ø8/10	-823	-15409	SLU 51	5661	25543	25844	1.95	31.04	1316	-15428	SLU 52	5704	22039	22159	2.5	16.75	Si
1988	3X/2Y Ø8/10	-823	-15325	SLU 51	5650	25543	25831	1.95	31.04	1316	-15343	SLU 52	5693	22039	22148	2.5	16.75	Si
2017	3X/2Y Ø8/10	-823	-15240	SLU 51	5640	25543	25818	1.95	31.04	1316	-15259	SLU 52	5683	22039	22137	2.5	16.75	Si
2046	3X/2Y Ø8/10	-823	-15155	SLU 51	5629	25543	25806	1.95	31.04	1316	-15174	SLU 52	5672	22039	22126	2.5	16.75	Si
2075	3X/2Y Ø8/10	-823	-15070	SLU 51	5619	25543	25793	1.95	31.04	1316	-15089	SLU 52	5662	22039	22115	2.5	16.75	Si
2104	3X/2Y Ø8/10	-823	-14985	SLU 51	5608	25543	25780	1.95	31.04	1316	-15004	SLU 52	5651	22039	22104	2.5	16.75	Si
2133	3X/2Y Ø8/10	-823	-14900	SLU 51	5598	25543	25767	1.95	31.04	1316	-14919	SLU 52	5641	22039	22093	2.5	16.75	Si
2162	3X/2Y Ø8/10	-823	-14816	SLU 51	5587	25543	25755	1.95	31.04	1316	-14835	SLU 52	5630	22039	22082	2.5	16.75	Si
2191	3X/2Y Ø8/10	-823	-14731	SLU 51	5577	25543	25742	1.95	31.04	1316	-14750	SLU 52	5620	22039	22071	2.5	16.75	Si
2220	3X/2Y Ø8/10	-823	-14647	SLU 51	5567	25543	25729	1.95	31.04	1316	-14666	SLU 52	5609	22039	22061	2.5	16.75	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	1194	-91020	SLV 13	12805	42320	43268	2.4	35.44	2555	-96417	SLV 7	12600	39538	45230	2.5	15.47	Si
-111	4X/2Y Ø8/10	1194	-90912	SLV 13	12805	42320	43268	2.4	35.44	2555	-96309	SLV 7	12600	39538	45230	2.5	15.47	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-81	4X/2Y Ø8/10	1194	-90802	SLV 13	12805	42320	43268	2.4	35.44	2555	-96199	SLV 7	12600	39538	45230	2.5	15.47	Si
-52	4X/2Y Ø8/10	1194	-90691	SLV 13	12805	42320	43268	2.4	35.44	2555	-96088	SLV 7	12600	39538	45230	2.5	15.47	Si
-22	4X/2Y Ø8/14.7	1194	-90581	SLV 13	12805	29910	42024	2.5	25.05	2555	-95978	SLV 7	12600	26827	45230	2.5	10.5	Si
7	4X/2Y Ø8/14.7	1194	-90471	SLV 13	12805	29910	42024	2.5	25.05	2555	-95868	SLV 7	12600	26827	45230	2.5	10.5	Si
36	4X/2Y Ø8/14.7	1194	-90361	SLV 13	12805	29910	42024	2.5	25.05	2555	-95757	SLV 7	12600	26827	45230	2.5	10.5	Si
66	4X/2Y Ø8/14.7	1194	-90250	SLV 13	12805	29910	42024	2.5	25.05	2555	-95647	SLV 7	12600	26827	45230	2.5	10.5	Si
95	4X/2Y Ø8/14.7	1194	-90140	SLV 13	12805	29910	42024	2.5	25.05	2555	-95537	SLV 7	12600	26827	45230	2.5	10.5	Si
125	4X/2Y Ø8/14.7	1194	-90030	SLV 13	12805	29910	42024	2.5	25.05	2555	-95427	SLV 7	12600	26827	45230	2.5	10.5	Si
154	4X/2Y Ø8/14.7	1194	-89919	SLV 13	12805	29910	42024	2.5	25.05	2555	-95316	SLV 7	12600	26827	45230	2.5	10.5	Si
184	4X/2Y Ø8/14.7	1194	-89809	SLV 13	12805	29910	42024	2.5	25.05	2555	-95206	SLV 7	12600	26827	45230	2.5	10.5	Si
213	4X/2Y Ø8/14.7	1194	-89698	SLV 13	12805	29910	42024	2.5	25.05	2555	-95095	SLV 7	12600	26827	45230	2.5	10.5	Si
242	4X/2Y Ø8/10	1194	-89589	SLV 13	12805	42315	43268	2.4	35.44	2555	-94985	SLV 7	12600	39534	45230	2.5	15.47	Si
272	4X/2Y Ø8/10	1194	-89478	SLV 13	12805	42315	43268	2.4	35.44	2555	-94875	SLV 7	12600	39534	45230	2.5	15.47	Si
301	4X/2Y Ø8/10	1194	-89368	SLV 13	12805	42315	43268	2.4	35.44	2555	-94765	SLV 7	12600	39534	45230	2.5	15.47	Si
331	4X/2Y Ø8/10	1194	-89258	SLV 13	12805	42315	43268	2.4	35.44	2555	-94654	SLV 7	12600	39534	45230	2.5	15.47	Si
360	4X/2Y Ø8/10	1194	-89149	SLV 13	12805	42315	43268	2.4	35.44	2555	-94546	SLV 7	12600	39534	45230	2.5	15.47	Si
380	4X/2Y Ø8/10	-2372	-89169	SLV 3	12805	42315	43268	2.4	17.84	-2153	-84609	SLV 9	12600	39534	45230	2.5	18.36	Si
409	4X/2Y Ø8/10	-2372	-89061	SLV 3	12805	42315	43268	2.4	17.84	-2153	-84500	SLV 9	12600	39534	45230	2.5	18.36	Si
438	4X/2Y Ø8/10	-2372	-88952	SLV 3	12805	42315	43268	2.4	17.84	-2153	-84391	SLV 9	12600	39534	45230	2.5	18.36	Si
467	4X/2Y Ø8/14.4	-2372	-88843	SLV 3	12805	30516	42024	2.5	12.86	-2153	-84282	SLV 9	12600	27370	45230	2.5	12.71	Si
496	4X/2Y Ø8/14.4	-2372	-88734	SLV 3	12805	30516	42024	2.5	12.86	-2153	-84174	SLV 9	12600	27370	45230	2.5	12.71	Si
525	4X/2Y Ø8/14.4	-2372	-88626	SLV 3	12805	30516	42024	2.5	12.86	-2153	-84065	SLV 9	12600	27370	45230	2.5	12.71	Si
554	4X/2Y Ø8/14.4	-2372	-88517	SLV 3	12805	30516	42024	2.5	12.86	-2153	-83956	SLV 9	12600	27370	45230	2.5	12.71	Si
583	4X/2Y Ø8/14.4	-2372	-88408	SLV 3	12805	30516	42024	2.5	12.86	-2153	-83847	SLV 9	12600	27370	45230	2.5	12.71	Si
612	4X/2Y Ø8/10	-2372	-88299	SLV 3	12805	42315	43268	2.4	17.84	-2153	-83739	SLV 9	12600	39534	45230	2.5	18.36	Si
641	4X/2Y Ø8/10	-2372	-88191	SLV 3	12805	42315	43268	2.4	17.84	-2153	-83630	SLV 9	12600	39534	45230	2.5	18.36	Si
670	4X/2Y Ø8/10	-2372	-88084	SLV 3	12805	42315	43268	2.4	17.84	-2153	-83523	SLV 9	12600	39534	45230	2.5	18.36	Si
690	4X/2Y Ø8/10	-1694	-73279	SLV 3	12805	42315	43268	2.4	24.99	-2035	-69576	SLV 9	12600	39534	45230	2.5	19.43	Si
719	4X/2Y Ø8/10	-1694	-73171	SLV 3	12805	42315	43268	2.4	24.99	-2035	-69467	SLV 9	12600	39534	45230	2.5	19.43	Si
748	4X/2Y Ø8/10	-1694	-73062	SLV 3	12805	42315	43268	2.4	24.99	-2035	-69358	SLV 9	12600	39534	45230	2.5	19.43	Si
777	4X/2Y Ø8/14.4	-1694	-72953	SLV 3	12805	30516	42024	2.5	18.02	-2035	-69250	SLV 9	12600	27370	45230	2.5	13.45	Si
806	4X/2Y Ø8/14.4	-1694	-72844	SLV 3	12805	30516	42024	2.5	18.02	-2035	-69141	SLV 9	12600	27370	45230	2.5	13.45	Si
835	4X/2Y Ø8/14.4	-1694	-72736	SLV 3	12805	30516	42024	2.5	18.02	-2035	-69032	SLV 9	12600	27370	45230	2.5	13.45	Si
864	4X/2Y Ø8/14.4	-1694	-72627	SLV 3	12805	30516	42024	2.5	18.02	-2035	-68923	SLV 9	12600	27370	45230	2.5	13.45	Si
893	4X/2Y Ø8/14.4	-1694	-72518	SLV 3	12805	30516	42024	2.5	18.02	-2035	-68815	SLV 9	12600	27370	45230	2.5	13.45	Si
922	4X/2Y Ø8/10	-1694	-72409	SLV 3	12805	42315	43268	2.4	24.99	-2035	-68706	SLV 9	12600	39534	45230	2.5	19.43	Si
951	4X/2Y Ø8/10	-1694	-72301	SLV 3	12805	42315	43268	2.4	24.99	-2035	-68597	SLV 9	12600	39534	45230	2.5	19.43	Si
980	4X/2Y Ø8/10	-1694	-72192	SLV 3	12805	42315	43268	2.4	24.99	-2035	-68488	SLV 9	12600	39534	45230	2.5	19.43	Si
1000	4X/2Y Ø8/10	-1802	-57716	SLV 3	12805	41434	42894	2.35	23	-1937	-54706	SLV 9	12600	39534	43767	2.5	20.41	Si
1029	4X/2Y Ø8/10	-1802	-57609	SLV 3	12805	41434	42880	2.35	23	-1937	-54599	SLV 9	12600	39534	43752	2.5	20.41	Si
1058	4X/2Y Ø8/10	-1802	-57500	SLV 3	12805	41434	42865	2.35	23	-1937	-54490	SLV 9	12600	39534	43737	2.5	20.41	Si
1087	4X/2Y Ø8/14.4	-1802	-57392	SLV 3	12805	30516	41011	2.5	16.94	-1937	-54381	SLV 9	12600	27370	43722	2.5	14.13	Si
1116	4X/2Y Ø8/14.4	-1802	-57283	SLV 3	12805	30516	40997	2.5	16.94	-1937	-54272	SLV 9	12600	27370	43707	2.5	14.13	Si
1145	4X/2Y Ø8/14.4	-1802	-57174	SLV 3	12805	30516	40983	2.5	16.94	-1937	-54164	SLV 9	12600	27370	43692	2.5	14.13	Si
1174	4X/2Y Ø8/14.4	-1802	-57065	SLV 3	12805	30516	40969	2.5	16.94	-1937	-54055	SLV 9	12600	27370	43677	2.5	14.13	Si
1203	4X/2Y Ø8/14.4	-1802	-56957	SLV 3	12805	30516	40955	2.5	16.94	-1937	-53946	SLV 9	12600	27370	43662	2.5	14.13	Si
1232	4X/2Y Ø8/10	-1802	-56848	SLV 3	12805	41434	42777	2.35	23	-1937	-53837	SLV 9	12600	39534	43647	2.5	20.41	Si
1261	4X/2Y Ø8/10	-1802	-56739	SLV 3	12805	41434	42762	2.35	23	-1937	-53729	SLV 9	12600	39534	43632	2.5	20.41	Si
1290	4X/2Y Ø8/10	-1802	-56632	SLV 3	12805	41434	42748	2.35	23	-1937	-53622	SLV 9	12600	39534	43617	2.5	20.41	Si
1310	4X/2Y Ø8/10	-2055	-41798	SLV 3	11509	40552	41359	2.3	19.73	-2595	-39623	SLV 9	10914	39534	41677	2.5	15.23	Si
1339	4X/2Y Ø8/10	-2055	-41690	SLV 3	11496	40552	41344	2.3	19.73	-2595	-39514	SLV 9	10899	39534	41661	2.5	15.23	Si
1368	4X/2Y Ø8/10	-2055	-41581	SLV 3	11482	40552	41329	2.3	19.73	-2595	-39406	SLV 9	10885	39534	41646	2.5	15.23	Si
1397	4X/2Y Ø8/14.4	-2055	-41472	SLV 3	11469	30516	38961	2.5	14.85	-2595	-39297	SLV 9	10870	27370	41631	2.5	10.55	Si
1426	4X/2Y Ø8/14.4	-2055	-41363	SLV 3	11455	30516	38947	2.5	14.85	-2595	-39188	SLV 9	10856	27370	41616	2.5	10.55	Si
1455	4X/2Y Ø8/14.4	-2055	-41255	SLV 3	11442	30516	38933	2.5	14.85	-2595	-39079	SLV 9	10841	27370	41601	2.5	10.55	Si
1484	4X/2Y Ø8/14.4	-2055	-41146	SLV 3	11428	30516	38919	2.5	14.85	-2595	-38971	SLV 9	10827	27370	41586	2.5	10.55	Si
1513	4X/2Y Ø8/14.4	-2055	-41037	SLV 3	11415	30516	38905	2.5	14.85	-2595	-38862	SLV 9	10812	27370	41571	2.5	10.55	Si
1542	4X/2Y Ø8/10	-2055	-40928	SLV 3	11401	40552	41240	2.3	19.73	-2595	-38753	SLV 9	10797	39534	41556	2.5	15.23	Si
1571	4X/2Y Ø8/10	-2055	-40820	SLV 3	11387	40552	41225	2.3	19.73	-2595	-38644	SLV 9	10783	39534	41541	2.5	15.23	Si
1600	4X/2Y Ø8/10	-2055	-40711	SLV 3	11374	40552	41211	2.3	19.73	-2595	-38536	SLV 9	10768	39534	41526	2.5	15.23	Si
1620	4X/2Y Ø8/10	-2272	-26755	SLV 3	9636	39671	39893	2.25	17.46	-3099	-25500	SLV 9	9022	39534	39719	2.5	12.76	Si
1649	4X/2Y Ø8/10	-2272	-26649	SLV 3	9623	39671	39878	2.25	17.46	-3099	-25393	SLV 9	9007	39534	39704	2.5	12.76	Si
1678	4X/2Y Ø8/10	-2272	-26540	SLV 3	9610	39671	39863	2.25	17.46	-3099	-25284	SLV 9	8993	39534	39689	2.5	12.76	Si
1707	4X/2Y Ø8/14.4	-2272	-26431	SLV 3	9596	30516	37024	2.5	13.43	-3099	-25176	SLV 9	8978	27370	39674	2.5	8.83	Si
1736	4X/2Y Ø8/14.4	-2272	-26322	SLV 3	9583	30516	37010	2.5	13.43	-3099	-25067	SLV 9	8964	27370	39659	2.5	8.83	Si
1765	4X/2Y Ø8/14.4	-2272	-26214	SLV 3	9569	30516	36996	2.5	13.43	-3099	-24958	SLV 9	8949	27370	39644	2.5	8.83	Si
1794	4X/2Y Ø8/14.4	-2272	-26105	SLV 3	9555	30516	36982	2.5	13.43	-3099	-24849	SLV 9	8934	27370	39629	2.5	8.83	Si
1823	4X/2Y Ø8/14.4	-2272	-25996	SLV 3	9542	30516	36968	2.5	13.43	-3099	-24741	SLV 9	8920	27370	39614	2.5	8.83	Si
1852	4X/2Y Ø8/10	-2272	-25887	SLV 3	9528	39671	39773	2.25	17.46	-3099	-24632	SLV 9	8905	39534	39598	2.5	12.76	Si
1881	4X/2Y Ø8/10	-2272	-25779	SLV 3	9515	39671	39758	2.25	17.46	-3099	-24523	SLV 9	8891	39534	39583	2.5	12.76	Si
1910	4X/2Y Ø8/10	-2272	-25670	SLV 3	9501	39671	39743	2.25	17.46	-3099	-24414	SLV 9	8876	39534	39568	2.5	12.76	Si
1930	3X/2Y Ø8/10	-1584	-9961	SLV 1	4989	24888	25402	1.9	15.71	1343	-9961	SLV 1	5023	21598	21769	2.45	16.08	Si
1959	3X/2Y Ø8/10	-1584	-9897	SLV 1	4981	24888	25392	1.9	15.71	1343	-9897	SLV 1	5015	21598	21760	2.45	16.08	Si
1988	3X/2Y Ø8/10	-1584	-9832	SLV 1	4973	24888	25382	1.9	15.71	1343	-9832	SLV 1	5007	21598	21752	2.45	16.08	Si
2017	3X/2Y Ø8/10	-1584	-9767	SLV 1	4965	24888	25372	1.9	15.71	1343	-9767	SLV 1	4999	21598	21743	2.45	16.08	Si
2046	3X/2Y Ø8/10	-1584	-9701	SLV 1	4957	24888	25362	1.9	15.71	1343	-9701	SLV 1	4991	21598	21735	2.45	16.08	Si
2075	3X/2Y Ø8/10	-1584	-9636	SLV 1	4949	24888	25352	1.9	15.71	1343	-9636	SLV 1	4983	21598	21726	2.45	16.08	Si
2104	3X/2Y Ø8/10	-1584	-9571	SLV 1	4941	24888	25342	1.9	15.71	1343	-9571	SLV 1	4975	21598	21718	2.45	16.08	Si
2133	3X/2Y Ø8/10	-1584	-9506	SLV 1	4933	24888	25332	1.9	15.71	1343	-9506	SLV 1	4967	21598	21709	2.45	16.08	Si
2162	3X/2Y Ø8/10	-1584	-9440	SLV 1	4924	24888	25322	1.9	15.71	1343	-9440	SLV 1	4959	21598	21701	2.45	16.08	Si
2191	3X/2Y Ø8/10	-1584	-9375	SLV 1	4916	24888	25312	1.9	15.71	1343	-9375	SLV 1	4950	21598	21692	2.45	16.08	Si
2220	3X/2Y Ø8/10	-1584	-9311	SLV 1	4909	24888	25303	1.9	15.71	1343	-9311	SLV 1	4942	21598	21684	2.45	16.08	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	678	-95076	SLD 13	16055	44083	42024	2.5	61.96	1050	-97189	SLD 7	16098	39538	45230	2.5	37.65	Si
-111	4X/2Y Ø8/10	678	-94968	SLD 13	16055	44083	42024	2.5	61.96	1050	-97080	SLD 7	16098	39538	45230	2.5	37.65	Si
-81	4X/2Y Ø8/10	678	-94858	SLD 13	16055	44083	42024	2.5	61.96	1050	-96970	SLD 7	16098	39538	45230	2.5	37.65	Si
-52	4X/2Y Ø8/10	678	-94747	SLD 13	16055	44083	42024	2.5	61.96	1050	-96860	SLD 7	16098	39538	45230	2.5	37.65	Si
-22	4X/2Y Ø8/14.7	678	-94637	SLD 13	16055	29910	42024	2.5	44.1	1050	-96749	SLD 7	16098	26827	45230	2.5	25.54	Si
7	4X/2Y Ø8/14.7	678	-94527	SLD 13	16055	29910	42024	2.5	44.1	1050	-96639	SLD 7	16098	26827	45230	2.5	25.54	Si
36	4X/2Y Ø8/14.7	678	-94416	SLD 13	16055	29910	42024	2.5	44.1	1050	-96529	SLD 7	16098	26827	45230	2.5	25.54	Si
66	4X/2Y Ø8/14.7	678	-94306	SLD 13	16055	29910	42024	2.5	44.1	1050	-96418	SLD 7	16098	26827	45230	2.5	25.54	Si
95	4X/2Y Ø8/14.7	678	-94196	SLD 13	16055	29910	42024	2.5	44.1	1050	-96308	SLD 7	16098	26827	45230	2.5	25.54	Si
125	4X/2Y Ø8/14.7	678	-94086	SLD 13	16055	29910	42024	2.5	44.1	1050	-96198	SLD 7	16098	26827	45230	2.5	25.54	Si
154	4X/2Y Ø8/14.7	678	-93975	SLD 13	16055	29910	42024	2.5	44.1	1050	-96087	SLD 7	16098	26827	45230	2.5	25.54	Si
184	4X/2Y Ø8/14.7	678	-93865	SLD 13	16055	29910	42024	2.5	44.1	1050	-95977	SLD 7	16098	26827	45230	2.5	25.54	Si
213	4X/2Y Ø8/14.7	678	-93754	SLD 13	16055	29910	42024	2.5	44.1	1050	-95866	SLD 7	16098	26827	45230	2.5	25.54	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
242	4X/2Y Ø8/10	678	-93644	SLD 13	16055	44078	42024	2.5	61.96	1050	-95757	SLD 7	16098	39534	45230	2.5	37.64	Si
272	4X/2Y Ø8/10	678	-93534	SLD 13	16055	44078	42024	2.5	61.96	1050	-95646	SLD 7	16098	39534	45230	2.5	37.64	Si
301	4X/2Y Ø8/10	678	-93424	SLD 13	16055	44078	42024	2.5	61.96	1050	-95536	SLD 7	16098	39534	45230	2.5	37.64	Si
331	4X/2Y Ø8/10	678	-93313	SLD 13	16055	44078	42024	2.5	61.96	1050	-95426	SLD 7	16098	39534	45230	2.5	37.64	Si
360	4X/2Y Ø8/10	678	-93205	SLD 13	16055	44078	42024	2.5	61.96	1050	-95317	SLD 7	16098	39534	45230	2.5	37.64	Si
380	4X/2Y Ø8/10	-1629	-85753	SLD 3	16055	44078	42024	2.5	25.79	-1116	-83962	SLD 9	16098	39534	45230	2.5	35.42	Si
409	4X/2Y Ø8/10	-1629	-85644	SLD 3	16055	44078	42024	2.5	25.79	-1116	-83853	SLD 9	16098	39534	45230	2.5	35.42	Si
438	4X/2Y Ø8/10	-1629	-85536	SLD 3	16055	44078	42024	2.5	25.79	-1116	-83745	SLD 9	16098	39534	45230	2.5	35.42	Si
467	4X/2Y Ø8/14.4	-1629	-85427	SLD 3	16055	30516	42024	2.5	18.73	-1116	-83636	SLD 9	16098	27370	45230	2.5	24.52	Si
496	4X/2Y Ø8/14.4	-1629	-85318	SLD 3	16055	30516	42024	2.5	18.73	-1116	-83527	SLD 9	16098	27370	45230	2.5	24.52	Si
525	4X/2Y Ø8/14.4	-1629	-85209	SLD 3	16055	30516	42024	2.5	18.73	-1116	-83418	SLD 9	16098	27370	45230	2.5	24.52	Si
554	4X/2Y Ø8/14.4	-1629	-85101	SLD 3	16055	30516	42024	2.5	18.73	-1116	-83310	SLD 9	16098	27370	45230	2.5	24.52	Si
583	4X/2Y Ø8/14.4	-1629	-84992	SLD 3	16055	30516	42024	2.5	18.73	-1116	-83201	SLD 9	16098	27370	45230	2.5	24.52	Si
612	4X/2Y Ø8/10	-1629	-84883	SLD 3	16055	44078	42024	2.5	25.79	-1116	-83092	SLD 9	16098	39534	45230	2.5	35.42	Si
641	4X/2Y Ø8/10	-1629	-84774	SLD 3	16055	44078	42024	2.5	25.79	-1116	-82983	SLD 9	16098	39534	45230	2.5	35.42	Si
670	4X/2Y Ø8/10	-1629	-84667	SLD 3	16055	44078	42024	2.5	25.79	-1116	-82876	SLD 9	16098	39534	45230	2.5	35.42	Si
690	4X/2Y Ø8/10	-1089	-70512	SLD 3	15084	44078	42024	2.5	38.58	-928	-69048	SLD 9	14857	39534	45230	2.5	42.61	Si
719	4X/2Y Ø8/10	-1089	-70403	SLD 3	15071	44078	42024	2.5	38.58	-928	-68940	SLD 9	14842	39534	45230	2.5	42.61	Si
748	4X/2Y Ø8/10	-1089	-70294	SLD 3	15057	44078	42024	2.5	38.58	-928	-68831	SLD 9	14828	39534	45230	2.5	42.61	Si
777	4X/2Y Ø8/14.4	-1089	-70185	SLD 3	15043	30516	42024	2.5	28.01	-928	-68722	SLD 9	14813	27370	45230	2.5	29.5	Si
806	4X/2Y Ø8/14.4	-1089	-70077	SLD 3	15030	30516	42024	2.5	28.01	-928	-68613	SLD 9	14799	27370	45230	2.5	29.5	Si
835	4X/2Y Ø8/14.4	-1089	-69968	SLD 3	15016	30516	42024	2.5	28.01	-928	-68505	SLD 9	14784	27370	45230	2.5	29.5	Si
864	4X/2Y Ø8/14.4	-1089	-69859	SLD 3	15003	30516	42024	2.5	28.01	-928	-68396	SLD 9	14770	27370	45230	2.5	29.5	Si
893	4X/2Y Ø8/14.4	-1089	-69750	SLD 3	14989	30516	42024	2.5	28.01	-928	-68287	SLD 9	14755	27370	45230	2.5	29.5	Si
922	4X/2Y Ø8/10	-1089	-69642	SLD 3	14976	44078	42024	2.5	38.58	-928	-68178	SLD 9	14740	39534	45230	2.5	42.61	Si
951	4X/2Y Ø8/10	-1089	-69533	SLD 3	14962	44078	42024	2.5	38.58	-928	-68070	SLD 9	14726	39534	45230	2.5	42.61	Si
980	4X/2Y Ø8/10	-1089	-69424	SLD 3	14949	44078	42024	2.5	38.58	-928	-67961	SLD 9	14711	39534	45230	2.5	42.61	Si
1000	4X/2Y Ø8/10	-1231	-55460	SLD 3	13210	44078	40762	2.5	33.11	-887	-54261	SLD 9	12875	39534	43706	2.5	44.58	Si
1029	4X/2Y Ø8/10	-1231	-55353	SLD 3	13197	44078	40749	2.5	33.1	-887	-54154	SLD 9	12861	39534	43691	2.5	44.58	Si
1058	4X/2Y Ø8/10	-1231	-55245	SLD 3	13183	44078	40735	2.5	33.09	-887	-54045	SLD 9	12847	39534	43676	2.5	44.58	Si
1087	4X/2Y Ø8/14.4	-1231	-55136	SLD 3	13170	30516	40721	2.5	24.79	-887	-53936	SLD 9	12832	27370	43661	2.5	30.86	Si
1116	4X/2Y Ø8/14.4	-1231	-55027	SLD 3	13156	30516	40707	2.5	24.79	-887	-53828	SLD 9	12817	27370	43646	2.5	30.86	Si
1145	4X/2Y Ø8/14.4	-1231	-54918	SLD 3	13143	30516	40693	2.5	24.79	-887	-53719	SLD 9	12803	27370	43630	2.5	30.86	Si
1174	4X/2Y Ø8/14.4	-1231	-54810	SLD 3	13129	30516	40679	2.5	24.79	-887	-53610	SLD 9	12788	27370	43615	2.5	30.86	Si
1203	4X/2Y Ø8/14.4	-1231	-54701	SLD 3	13116	30516	40665	2.5	24.79	-887	-53501	SLD 9	12774	27370	43600	2.5	30.86	Si
1232	4X/2Y Ø8/10	-1231	-54592	SLD 3	13102	44078	40651	2.5	33.02	-887	-53393	SLD 9	12759	39534	43585	2.5	44.58	Si
1261	4X/2Y Ø8/10	-1231	-54483	SLD 3	13089	44078	40637	2.5	33.01	-887	-53284	SLD 9	12745	39534	43570	2.5	44.58	Si
1290	4X/2Y Ø8/10	-1231	-54377	SLD 3	13075	44078	40623	2.5	33	-887	-53177	SLD 9	12730	39534	43555	2.5	44.58	Si
1310	4X/2Y Ø8/10	-1371	-40132	SLD 3	11302	44078	38788	2.5	28.3	-1274	-39253	SLD 9	10864	39534	41625	2.5	31.02	Si
1339	4X/2Y Ø8/10	-1371	-40023	SLD 3	11288	44078	38774	2.5	28.29	-1274	-39144	SLD 9	10850	39534	41610	2.5	31.02	Si
1368	4X/2Y Ø8/10	-1371	-39915	SLD 3	11275	44078	38760	2.5	28.28	-1274	-39036	SLD 9	10835	39534	41595	2.5	31.02	Si
1397	4X/2Y Ø8/14.4	-1371	-39806	SLD 3	11261	30516	38746	2.5	22.26	-1274	-38927	SLD 9	10821	27370	41580	2.5	21.48	Si
1426	4X/2Y Ø8/14.4	-1371	-39697	SLD 3	11248	30516	38732	2.5	22.26	-1274	-38818	SLD 9	10806	27370	41565	2.5	21.48	Si
1455	4X/2Y Ø8/14.4	-1371	-39588	SLD 3	11234	30516	38718	2.5	22.26	-1274	-38709	SLD 9	10792	27370	41550	2.5	21.48	Si
1484	4X/2Y Ø8/14.4	-1371	-39480	SLD 3	11221	30516	38704	2.5	22.26	-1274	-38601	SLD 9	10777	27370	41535	2.5	21.48	Si
1513	4X/2Y Ø8/14.4	-1371	-39371	SLD 3	11207	30516	38690	2.5	22.26	-1274	-38492	SLD 9	10762	27370	41520	2.5	21.48	Si
1542	4X/2Y Ø8/10	-1371	-39262	SLD 3	11194	44078	38676	2.5	28.22	-1274	-38383	SLD 9	10748	39534	41505	2.5	31.02	Si
1571	4X/2Y Ø8/10	-1371	-39153	SLD 3	11180	44078	38662	2.5	28.21	-1274	-38274	SLD 9	10733	39534	41490	2.5	31.02	Si
1600	4X/2Y Ø8/10	-1371	-39045	SLD 3	11166	44078	38648	2.5	28.2	-1274	-38166	SLD 9	10719	39534	41474	2.5	31.02	Si
1620	4X/2Y Ø8/10	-1545	-25710	SLD 3	9506	44078	36931	2.5	23.91	-1724	-25188	SLD 9	8980	39534	39676	2.5	22.94	Si
1649	4X/2Y Ø8/10	-1545	-25603	SLD 3	9493	44078	36917	2.5	23.9	-1724	-25081	SLD 9	8965	39534	39661	2.5	22.94	Si
1678	4X/2Y Ø8/10	-1545	-25494	SLD 3	9479	44078	36903	2.5	23.89	-1724	-24972	SLD 9	8951	39534	39646	2.5	22.94	Si
1707	4X/2Y Ø8/14.4	-1545	-25385	SLD 3	9466	30516	36889	2.5	19.75	-1724	-24864	SLD 9	8936	27370	39631	2.5	15.88	Si
1736	4X/2Y Ø8/14.4	-1545	-25276	SLD 3	9452	30516	36875	2.5	19.75	-1724	-24755	SLD 9	8922	27370	39616	2.5	15.88	Si
1765	4X/2Y Ø8/14.4	-1545	-25168	SLD 3	9439	30516	36861	2.5	19.75	-1724	-24646	SLD 9	8907	27370	39600	2.5	15.88	Si
1794	4X/2Y Ø8/14.4	-1545	-25059	SLD 3	9425	30516	36847	2.5	19.75	-1724	-24537	SLD 9	8893	27370	39585	2.5	15.88	Si
1823	4X/2Y Ø8/14.4	-1545	-24950	SLD 3	9412	30516	36833	2.5	19.75	-1724	-24429	SLD 9	8878	27370	39570	2.5	15.88	Si
1852	4X/2Y Ø8/10	-1545	-24841	SLD 3	9398	44078	36819	2.5	23.83	-1724	-24320	SLD 9	8863	39534	39555	2.5	22.94	Si
1881	4X/2Y Ø8/10	-1545	-24733	SLD 3	9385	44078	36805	2.5	23.82	-1724	-24211	SLD 9	8849	39534	39540	2.5	22.94	Si
1910	4X/2Y Ø8/10	-1545	-24624	SLD 3	9371	44078	36791	2.5	23.82	-1724	-24102	SLD 9	8834	39534	39525	2.5	22.93	Si
1930	3X/2Y Ø8/10	-990	-9362	SLD 1	4915	28818	23134	2.2	23.37	992	-9362	SLD 1	4949	22039	21377	2.5	21.55	Si
1959	3X/2Y Ø8/10	-990	-9298	SLD 1	4907	28818	23125	2.2	23.36	992	-9298	SLD 1	4941	22039	21369	2.5	21.54	Si
1988	3X/2Y Ø8/10	-990	-9233	SLD 1	4899	28818	23116	2.2	23.36	992	-9233	SLD 1	4933	22039	21361	2.5	21.53	Si
2017	3X/2Y Ø8/10	-990	-9167	SLD 1	4891	28818	23107	2.2	23.35	992	-9167	SLD 1	4925	22039	21352	2.5	21.52	Si
2046	3X/2Y Ø8/10	-990	-9102	SLD 1	4883	28818	23098	2.2	23.34	992	-9102	SLD 1	4916	22039	21344	2.5	21.51	Si
2075	3X/2Y Ø8/10	-990	-9037	SLD 1	4875	28818	23089	2.2	23.33	992	-9037	SLD 1	4908	22039	21336	2.5	21.5	Si
2104	3X/2Y Ø8/10	-990	-8972	SLD 1	4867	28818	23080	2.2	23.32	992	-8972	SLD 1	4900	22039	21327	2.5	21.49	Si
2133	3X/2Y Ø8/10	-990	-8906	SLD 1	4859	28818	23071	2.2	23.31	992	-8906	SLD 1	4892	22039	21319	2.5	21.49	Si
2162	3X/2Y Ø8/10	-990	-8841	SLD 1	4851	28818	23062	2.2	23.3	992	-8841	SLD 1	4884	22039	21310	2.5	21.48	Si
2191	3X/2Y Ø8/10	-990	-8776	SLD 1	4843	28818	23053	2.2	23.29	992	-8776	SLD 1	4876	22039	21302	2.5	21.47	Si
2220	3X/2Y Ø8/10	-990	-8712	SLD 1	4835	28818	23044	2.2	23.28	992	-8712	SLD 1	4868	22039	21294	2.5	21.46	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	-1902	-166555	-110421	SLE RA 12	-82	-1902	-166555	-110421	SLE RA 12	-1134.2	Si
-111	-2537	-156045	-110313	SLE RA 12	-80.8	-2537	-156045	-110313	SLE RA 12	-1121.9	Si
-81	-3183	-145352	-110202	SLE RA 12	-79.6	-3183	-145352	-110202	SLE RA 12	-1109.4	Si
-52	-3828	-134659	-110092	SLE RA 12	-78.4	-3828	-134659	-110092	SLE RA 12	-1096.9	Si
-22	-4474	-123967	-109982	SLE RA 12	-77.2	-4474	-123967	-109982	SLE RA 12	-1084.5	Si
7	-5120	-113274	-109872	SLE RA 12	-76	-5120	-113274	-109872	SLE RA 12	-1072	Si
36	-5766	-102582	-109761	SLE RA 12	-74.8	-5766	-102582	-109761	SLE RA 12	-1059.9	Si
66	-6412	-91889	-109651	SLE RA 12	-73.6	-6412	-91889	-109651	SLE RA 12	-1048	Si
95	-7058	-81197	-109541	SLE RA 12	-72.4	-7058	-81197	-109541	SLE RA 12	-1036.2	Si
125	-7704	-70504	-109430	SLE RA 12	-71.2	-7704	-70504	-109430	SLE RA 12	-1024.3	Si
154	-5804	-65276	-109453	SLE RA 13	-70.5	-5804	-65276	-109453	SLE RA 13	-1017.4	Si
184	-4258	-61373	-109343	SLE RA 13	-69.9	-4258	-61373	-109343	SLE RA 13	-1011	Si
213	-2697	-57432	-109231	SLE RA 13	-69.3	-2697	-57432	-109231	SLE RA 13	-1004.6	Si
242	-1165	-53566	-109122	SLE RA 13	-68.7	-1165	-53566	-109122	SLE RA 13	-999	Si
272	381	-49663	-109012	SLE RA 13	-68.1	381	-49663	-109012	SLE RA 13	-993.6	Si
301	13722	-70379	-103816	SLE RA 7	-68.3	1928	-45760	-108902	SLE RA 13	-988.8	Si
331	17547	-71267	-103705	SLE RA 7	-68.6	3474	-41856	-108791	SLE RA 13	-984.7	Si
360	21308	-72141	-103597	SLE RA 7	-68.9	21308	-72141	-103597	SLE RA 7	-986.8	Si
380	103774	221213	-95059	SLE RA 12	-86.2	103774	221213	-95059	SLE RA 12	-1139.3	Si
409	88330	182550	-94950	SLE RA 12	-80.8	88330	182550	-94950	SLE RA 12	-1084.5	Si
438	72887	143886	-94841	SLE RA 12	-75.4	72887	143886	-94841	SLE RA 12	-1029.8	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
467	57444	105222	-94733	SLE RA 12	-70	57444	105222	-94733	SLE RA 12	-975	Si
496	42000	66559	-94624	SLE RA 12	-64.6	42000	66559	-94624	SLE RA 12	-920.2	Si
525	26557	27895	-94515	SLE RA 12	-59.2	26557	27895	-94515	SLE RA 12	-865.5	Si
554	16996	-19991	-94428	SLE RA 13	-57.6	16996	-19991	-94428	SLE RA 13	-848.6	Si
583	-188	-55495	-94319	SLE RA 13	-60.3	-188	-55495	-94319	SLE RA 13	-873.3	Si
612	-17373	-91000	-94210	SLE RA 13	-65.4	-17373	-91000	-94210	SLE RA 13	-922.9	Si
641	-35216	-126760	-94080	SLE RA 12	-70.5	-35216	-126760	-94080	SLE RA 12	-974.5	Si
670	-50393	-164757	-93973	SLE RA 12	-75.6	-50393	-164757	-93973	SLE RA 12	-1026.4	Si
690	51901	124538	-78728	SLE RA 13	-62.5	51901	124538	-78728	SLE RA 13	-853.3	Si
719	42572	100724	-78619	SLE RA 13	-59.2	42572	100724	-78619	SLE RA 13	-819.4	Si
748	33244	76910	-78511	SLE RA 13	-55.9	33244	76910	-78511	SLE RA 13	-785.4	Si
777	23915	53097	-78402	SLE RA 13	-52.5	23915	53097	-78402	SLE RA 13	-751.5	Si
806	14586	29283	-78293	SLE RA 13	-49.2	14586	29283	-78293	SLE RA 13	-717.5	Si
835	7693	4441	-78149	SLE RA 12	-45.9	7693	4441	-78149	SLE RA 12	-684.2	Si
864	-4072	-18344	-78076	SLE RA 13	-47.1	-4072	-18344	-78076	SLE RA 13	-695.5	Si
893	-13401	-42157	-77967	SLE RA 13	-50.4	-13401	-42157	-77967	SLE RA 13	-727.5	Si
922	-22729	-65971	-77858	SLE RA 13	-53.6	-22729	-65971	-77858	SLE RA 13	-759.6	Si
951	-32058	-89784	-77749	SLE RA 13	-56.8	-32058	-89784	-77749	SLE RA 13	-791.7	Si
980	-41387	-113598	-77641	SLE RA 13	-60	-41387	-113598	-77641	SLE RA 13	-823.7	Si
1000	41105	135708	-62447	SLE RA 12	-53.7	41105	135708	-62447	SLE RA 12	-716.3	Si
1029	34217	106754	-62340	SLE RA 12	-50	34217	106754	-62340	SLE RA 12	-678.8	Si
1058	27208	77293	-62231	SLE RA 12	-46.2	27208	77293	-62231	SLE RA 12	-640.7	Si
1087	20199	47831	-62122	SLE RA 12	-42.4	20199	47831	-62122	SLE RA 12	-602.6	Si
1116	13190	18369	-62014	SLE RA 12	-38.5	13190	18369	-62014	SLE RA 12	-564.5	Si
1145	6181	-11092	-61905	SLE RA 12	-37.2	6181	-11092	-61905	SLE RA 12	-550.1	Si
1174	-3613	-39939	-61832	SLE RA 13	-40.2	-3613	-39939	-61832	SLE RA 13	-578.3	Si
1203	-10036	-69355	-61724	SLE RA 13	-43.8	-10036	-69355	-61724	SLE RA 13	-614	Si
1232	-16459	-98772	-61615	SLE RA 13	-47.4	-16459	-98772	-61615	SLE RA 13	-649.7	Si
1261	-22883	-128189	-61506	SLE RA 13	-51.1	-22883	-128189	-61506	SLE RA 13	-685.4	Si
1290	-28742	-157892	-61363	SLE RA 12	-54.7	-28742	-157892	-61363	SLE RA 12	-720.7	Si
1310	84064	159657	-45956	SLE RA 13	-49.8	84064	159657	-45956	SLE RA 13	-634.6	Si
1339	69553	128781	-45847	SLE RA 13	-45.3	69553	128781	-45847	SLE RA 13	-588.9	Si
1368	55043	97905	-45739	SLE RA 13	-40.9	55043	97905	-45739	SLE RA 13	-543.2	Si
1397	40533	67029	-45630	SLE RA 13	-36.4	40533	67029	-45630	SLE RA 13	-497.5	Si
1426	26022	36153	-45521	SLE RA 13	-31.9	26022	36153	-45521	SLE RA 13	-451.8	Si
1455	11512	5277	-45412	SLE RA 13	-27.5	11512	5277	-45412	SLE RA 13	-406.1	Si
1484	-3261	-25679	-45274	SLE RA 12	-29.1	-3261	-25679	-45274	SLE RA 12	-420.1	Si
1513	-17509	-56475	-45195	SLE RA 13	-33.4	-17509	-56475	-45195	SLE RA 13	-463.9	Si
1542	-32019	-87351	-45086	SLE RA 13	-37.7	-32019	-87351	-45086	SLE RA 13	-507.7	Si
1571	-46529	-118227	-44977	SLE RA 13	-42.1	-46529	-118227	-44977	SLE RA 13	-551.5	Si
1600	-61040	-149103	-44869	SLE RA 13	-46.4	-61040	-149103	-44869	SLE RA 13	-595.3	Si
1620	119591	173982	-30592	SLE RA 13	-45	119591	173982	-30592	SLE RA 13	-546.2	Si
1649	89966	135471	-30485	SLE RA 13	-38.7	89966	135471	-30485	SLE RA 13	-480.2	Si
1678	59821	96285	-30377	SLE RA 13	-32.2	59821	96285	-30377	SLE RA 13	-413	Si
1707	29676	57098	-30268	SLE RA 13	-25.7	29676	57098	-30268	SLE RA 13	-345.8	Si
1736	-469	17912	-30159	SLE RA 13	-19.3	-469	17912	-30159	SLE RA 13	-279.6	Si
1765	-30614	-21274	-30050	SLE RA 13	-21.7	-30614	-21274	-30050	SLE RA 13	-306.4	Si
1794	-60758	-60461	-29942	SLE RA 13	-28	-60758	-60461	-29942	SLE RA 13	-371.7	Si
1823	-90903	-99647	-29833	SLE RA 13	-34.4	-90903	-99647	-29833	SLE RA 13	-437	Si
1852	-121048	-138834	-29724	SLE RA 13	-40.7	-121048	-138834	-29724	SLE RA 13	-502.4	Si
1881	-151193	-178020	-29615	SLE RA 13	-47.1	-151193	-178020	-29615	SLE RA 13	-567.7	Si
1910	-181338	-217207	-29507	SLE RA 13	-49.6	-181338	-217207	-29507	SLE RA 13	-810	Si
1930	-121915	91921	-11031	SLE RA 12	-58.9	-121915	91921	-11031	SLE RA 12	-575.1	Si
1959	-95268	75409	-10967	SLE RA 12	-51.6	-95268	75409	-10967	SLE RA 12	-530.9	Si
1988	-68155	58608	-10902	SLE RA 12	-33.3	-68155	58608	-10902	SLE RA 12	-375.8	Si
2017	-41041	41806	-10836	SLE RA 12	-25.3	-41041	41806	-10836	SLE RA 12	-297.6	Si
2046	-13927	25005	-10771	SLE RA 12	-17.2	-13927	25005	-10771	SLE RA 12	-219.3	Si
2075	16356	7409	-10589	SLE RA 8	-14.1	16356	7409	-10589	SLE RA 8	-188.6	Si
2104	42668	-8772	-10536	SLE RA 9	-19	42668	-8772	-10536	SLE RA 9	-235.4	Si
2133	68990	-24726	-10471	SLE RA 9	-26.6	67817	-25235	-10588	SLE RA 13	-309.5	Si
2162	95137	-41841	-10523	SLE RA 13	-40.1	95137	-41841	-10523	SLE RA 13	-426.9	Si
2191	122457	-58447	-10457	SLE RA 13	-54.5	122457	-58447	-10457	SLE RA 13	-545.4	Si
2220	149305	-74767	-10393	SLE RA 13	-61.5	149305	-74767	-10393	SLE RA 13	-601.8	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	-25001	-152798	-97692	SLE QP 2	-74.7	Si
-111	-23674	-142948	-97584	SLE QP 2	-73.5	Si
-81	-22324	-132929	-97474	SLE QP 2	-72.2	Si
-52	-20974	-122909	-97363	SLE QP 2	-70.9	Si
-22	-19623	-112890	-97253	SLE QP 2	-69.7	Si
7	-18273	-102870	-97143	SLE QP 2	-68.4	Si
36	-16923	-92850	-97032	SLE QP 2	-67.2	Si
66	-15573	-82831	-96922	SLE QP 2	-65.9	Si
95	-14222	-72811	-96812	SLE QP 2	-64.6	Si
125	-12872	-62792	-96702	SLE QP 2	-63.4	Si
154	-11522	-52772	-96591	SLE QP 2	-62.1	Si
184	-10171	-42752	-96481	SLE QP 2	-60.8	Si
213	-8808	-32636	-96370	SLE QP 2	-59.6	Si
242	-7471	-22713	-96260	SLE QP 2	-58.3	Si
272	-6121	-12694	-96150	SLE QP 2	-57	Si
301	-4770	-2674	-96040	SLE QP 2	-55.8	Si
331	-3420	7346	-95929	SLE QP 2	-56.1	Si
360	-2093	17195	-95821	SLE QP 2	-57.1	Si
380	88911	192145	-83531	SLE QP 2	-75.3	Si
409	75952	158711	-83423	SLE QP 2	-70.7	Si
438	62993	125277	-83314	SLE QP 2	-66	Si
467	50034	91843	-83205	SLE QP 2	-61.4	Si
496	37075	58409	-83096	SLE QP 2	-56.7	Si
525	24116	24974	-82988	SLE QP 2	-52.1	Si
554	11157	-8460	-82879	SLE QP 2	-49.3	Si
583	-1802	-41894	-82770	SLE QP 2	-52.3	Si
612	-14761	-75328	-82661	SLE QP 2	-56.8	Si
641	-27720	-108762	-82553	SLE QP 2	-61.3	Si
670	-40456	-141620	-82446	SLE QP 2	-65.8	Si
690	37019	105349	-68688	SLE QP 2	-53.6	Si
719	30774	84999	-68580	SLE QP 2	-50.9	Si
748	24529	64648	-68471	SLE QP 2	-48.2	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
777	18284	44298	-68362	SLE QP 2	-45.4	Si
806	12038	23947	-68253	SLE QP 2	-42.7	Si
835	5793	3596	-68145	SLE QP 2	-39.9	Si
864	-452	-16754	-68036	SLE QP 2	-41	Si
893	-6698	-37105	-67927	SLE QP 2	-43.6	Si
922	-12943	-57455	-67818	SLE QP 2	-46.2	Si
951	-19188	-77806	-67710	SLE QP 2	-48.8	Si
980	-25433	-98156	-67601	SLE QP 2	-51.4	Si
1000	33060	115532	-53952	SLE QP 2	-46	Si
1029	27675	90959	-53845	SLE QP 2	-42.9	Si
1058	22196	65955	-53736	SLE QP 2	-39.7	Si
1087	16717	40951	-53627	SLE QP 2	-36.5	Si
1116	11238	15947	-53519	SLE QP 2	-33.3	Si
1145	5758	-9057	-53410	SLE QP 2	-32.1	Si
1174	279	-34061	-53301	SLE QP 2	-34.4	Si
1203	-5200	-59065	-53192	SLE QP 2	-37.4	Si
1232	-10679	-84069	-53084	SLE QP 2	-40.5	Si
1261	-16159	-109072	-52975	SLE QP 2	-43.6	Si
1290	-21543	-133645	-52868	SLE QP 2	-46.6	Si
1310	67837	135893	-38993	SLE QP 2	-42.1	Si
1339	56090	109320	-38884	SLE QP 2	-38.3	Si
1368	44344	82746	-38775	SLE QP 2	-34.5	Si
1397	32597	56173	-38667	SLE QP 2	-30.7	Si
1426	20850	29600	-38558	SLE QP 2	-26.8	Si
1455	9103	3026	-38449	SLE QP 2	-23	Si
1484	-2644	-23547	-38340	SLE QP 2	-24.8	Si
1513	-14391	-50120	-38232	SLE QP 2	-28.5	Si
1542	-26137	-76694	-38123	SLE QP 2	-32.2	Si
1571	-37884	-103267	-38014	SLE QP 2	-35.9	Si
1600	-49631	-129840	-37905	SLE QP 2	-39.5	Si
1620	94455	142132	-24967	SLE QP 2	-36.5	Si
1649	71416	111647	-24860	SLE QP 2	-31.5	Si
1678	47973	80627	-24751	SLE QP 2	-26.4	Si
1707	24529	49606	-24642	SLE QP 2	-21.3	Si
1736	1086	18586	-24534	SLE QP 2	-16.2	Si
1765	-22357	-12434	-24425	SLE QP 2	-16.9	Si
1794	-45800	-43454	-24316	SLE QP 2	-21.9	Si
1823	-69244	-74474	-24207	SLE QP 2	-26.9	Si
1852	-92687	-105494	-24099	SLE QP 2	-31.9	Si
1881	-116130	-136515	-23990	SLE QP 2	-36.8	Si
1910	-139573	-167535	-23881	SLE QP 2	-35.9	Si
1930	-89475	73257	-8926	SLE QP 2	-44.2	Si
1959	-69571	60347	-8862	SLE QP 2	-39	Si
1988	-49317	47210	-8796	SLE QP 2	-25.9	Si
2017	-29064	34073	-8731	SLE QP 2	-19.7	Si
2046	-8810	20937	-8666	SLE QP 2	-13.6	Si
2075	11443	7800	-8601	SLE QP 2	-11.5	Si
2104	31696	-5336	-8535	SLE QP 2	-14.5	Si
2133	51950	-18473	-8470	SLE QP 2	-20.6	Si
2162	72203	-31609	-8405	SLE QP 2	-26.6	Si
2191	92457	-44746	-8340	SLE QP 2	-41.1	Si
2220	112361	-57656	-8275	SLE QP 2	-46.6	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

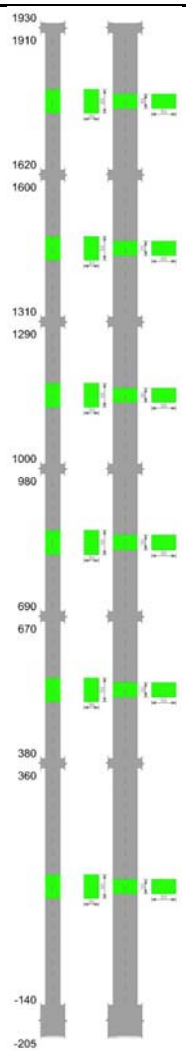
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 2230 in quanto nodo interno a piastra.

Pilastro 44B

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x50	No	No	No	No		C30/37	B450C	
380	670	R 30x50	No	No	No	No		C30/37	B450C	
690	980	R 30x50	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	
1620	1910	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.67	-19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.67	19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.67	19.67	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.9	-6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	-9.9	6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.9	-6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.1	9.9	6.9	1.6	2.011	-172.5	-140	R 30x50	B450C
p.2	-9.67	-19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.67	-19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.67	19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.67	19.67	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.9	-6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	-9.9	6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.9	-6.9	1.6	2.011	-140	380	R 30x50	B450C
p.2	9.9	6.9	1.6	2.011	-140	380	R 30x50	B450C
p.3	-9.67	-19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	9.67	-19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	9.67	19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.67	19.67	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.9	-6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	-9.9	6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	9.9	-6.9	1.6	2.011	380	690	R 30x50	B450C
p.3	9.9	6.9	1.6	2.011	380	690	R 30x50	B450C
p.4	-9.67	-19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.67	-19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.67	19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.67	19.67	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.9	-6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	-9.9	6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.9	-6.9	1.6	2.011	690	1000	R 30x50	B450C
p.4	9.9	6.9	1.6	2.011	690	1000	R 30x50	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.5	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.5	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.5	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.5	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.6	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.6	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.6	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.6	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.6	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.6	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.6	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.6	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.7	-9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.7	9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.7	9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.7	-9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.8	-9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.8	-9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.8	9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.8	9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2.1	0	1,2	262114	-262114	-96632	667210	-667210	SLU 52	2.545	Si
-111	16.08	2.1	0	1,2	261732	-261732	-96491	667210	-667210	SLU 52	2.549	Si
-81	16.08	1.1	0	2	261343	-261343	-96348	667210	-667210	SLU 52	2.553	Si
-52	16.08	1.1	0	2	260954	-260954	-96204	667210	-667210	SLU 52	2.557	Si
-22	16.08	1.1	0	2	260565	-260565	-96061	667210	-667210	SLU 52	2.561	Si
7	16.08	1.1	0	2	260176	-260176	-95918	667210	-667210	SLU 52	2.564	Si
36	16.08	1.1	0	2	259787	-259787	-95774	667210	-667210	SLU 52	2.568	Si
66	16.08	1.1	0	2	259398	-259398	-95631	667210	-667210	SLU 52	2.572	Si
95	16.08	1.1	0	2	259010	-259010	-95487	667210	-667210	SLU 52	2.576	Si
125	16.08	1.1	0	2	258621	-258621	-95344	667210	-667210	SLU 52	2.58	Si
154	16.08	1.1	0	2	258232	-258232	-95201	667210	-667210	SLU 52	2.584	Si
184	16.08	1.1	0	2	257843	-257843	-95057	667210	-667210	SLU 52	2.588	Si
213	16.08	1.1	0	2	257450	-257450	-94912	667210	-667210	SLU 52	2.592	Si
242	16.08	1.1	0	2	257065	-257065	-94770	667210	-667210	SLU 52	2.595	Si
272	16.08	1.1	0	2	256676	-256676	-94627	667210	-667210	SLU 52	2.599	Si
301	16.08	1.1	0	2	256287	-256287	-94484	667210	-667210	SLU 52	2.603	Si
331	16.08	1.1	0	2	255898	-255898	-94340	667210	-667210	SLU 52	2.607	Si
360	16.08	1.1	0	2	255516	-255516	-94199	667210	-667210	SLU 52	2.611	Si
380	16.08	2.1	0	2,3	-145967	356153	-72984	-420885	1026940	SLU 51	2.883	Si
409	16.08	2.1	0	2,3	-145684	303394	-72842	-446506	929870	SLU 51	3.065	Si
438	16.08	1.1	0	3	-145402	250636	-72701	-473766	816653	SLU 51	3.258	Si
467	16.08	1.1	0	3	-145119	197877	-72559	-501388	683670	SLU 51	3.455	Si
496	16.08	1.1	0	3	-144836	145119	-72418	-530550	531585	SLU 51	3.663	Si
525	16.08	1.1	0	3	-144553	144553	-72277	-530708	530708	SLU 51	3.671	Si
554	16.08	1.1	0	3	-144271	144271	-72135	-530708	530708	SLU 51	3.679	Si
583	16.08	1.1	0	3	-143988	-143988	-71994	-530708	-530708	SLU 51	3.686	Si
612	16.08	1.1	0	3	-143705	-143705	-71853	-530708	-530708	SLU 51	3.693	Si
641	16.08	1.1	0	3	-143422	-143422	-71711	-530708	-530708	SLU 51	3.7	Si
670	16.08	1.1	0	3	-143144	-170522	-71572	-515599	-614214	SLU 51	3.602	Si
690	16.08	2.1	0	3,4	131219	120966	-60483	572873	528108	SLU 52	4.366	Si
719	16.08	2.1	0	3,4	120790	120790	-60395	530708	530708	SLU 51	4.394	Si
748	16.08	1.1	0	4	120507	120507	-60253	530708	530708	SLU 51	4.404	Si
777	16.08	1.1	0	4	120224	120224	-60112	530708	530708	SLU 51	4.414	Si
806	16.08	1.1	0	4	119941	119941	-59971	530708	530708	SLU 51	4.425	Si
835	16.08	1.1	0	4	119659	-119659	-59829	530708	-530708	SLU 51	4.435	Si
864	16.08	1.1	0	4	119376	-119376	-59688	530708	-530708	SLU 51	4.446	Si
893	16.08	1.1	0	4	-119093	-119093	-59547	-530708	-530708	SLU 51	4.456	Si
922	16.08	1.1	0	4	-118810	-118810	-59405	-530708	-530708	SLU 51	4.467	Si
951	16.08	1.1	0	4	-118528	-118528	-59264	-530708	-530708	SLU 51	4.478	Si
980	16.08	1.1	0	4	-118245	-118245	-59122	-530708	-530708	SLU 51	4.488	Si
1000	16.08	2.1	0	4,5	95976	131079	-47988	501210	684529	SLU 52	5.222	Si
1029	16.08	2.1	0	4,5	95698	105063	-47849	522874	574044	SLU 52	5.464	Si
1058	16.08	1.1	0	5	95494	95494	-47747	530708	530708	SLU 51	5.557	Si
1087	16.08	1.1	0	5	95212	95212	-47606	530708	530708	SLU 51	5.574	Si
1116	16.08	1.1	0	5	94929	94929	-47464	530708	530708	SLU 51	5.591	Si
1145	16.08	1.1	0	5	-94646	-94646	-47323	-530708	-530708	SLU 51	5.607	Si
1174	16.08	1.1	0	5	-94363	-94363	-47182	-530708	-530708	SLU 51	5.624	Si
1203	16.08	1.1	0	5	-94081	-94081	-47040	-530708	-530708	SLU 51	5.641	Si
1232	16.08	1.1	0	5	-93798	-93798	-46899	-530708	-530708	SLU 51	5.658	Si
1261	16.08	1.1	0	5	-93515	-108992	-46758	-517608	-603275	SLU 51	5.535	Si
1290	16.08	1.1	0	5	-107989	-135148	-46619	-568338	-711269	SLU 51	5.263	Si
1310	16.08	2.1	0	5,6	70446	132692	-35223	461286	868881	SLU 52	6.548	Si
1339	16.08	2.1	0	5,6	71106	103820	-35081	498494	727844	SLU 52	7.011	Si
1368	16.08	1.1	0	6	80233	74949	-34940	597546	558192	SLU 52	7.448	Si
1397	16.08	1.1	0	6	89382	69648	-34824	669085	521362	SLU 51	7.486	Si
1426	16.08	1.1	0	6	98440	69365	-34682	732721	516304	SLU 51	7.443	Si
1455	16.08	1.1	0	6	107499	-69082	-34541	794975	-510877	SLU 51	7.395	Si
1484	16.08	1.1	0	6	116557	-68799	-34400	855642	-505054	SLU 51	7.341	Si
1513	16.08	1.1	0	6	125616	-69746	-34258	912986	-506922	SLU 51	7.268	Si
1542	16.08	1.1	0	6	134674	-98456	-34117	915605	-669372	SLU 51	6.799	Si
1571	16.08	1.1	0	6	144125	-127151	-33950	911447	-804104	SLU 52	6.324	Si
1600	16.08	1.1	0	6	153095	-155525	-33811	898792	-913056	SLU 52	5.871	Si
1620	16.08	2.1	0	6,7,8	-106236	162821	-12770	-798047	1223120	SLU 49	7.512	Si
1649	16.08	2.1	0	6,7,8	-107184	130806	-12629	-947020	1155725	SLU 49	8.835	Si
1678	16.08	1.1	0	7,8	-108133	98790	-12487	-1136029	1037875	SLU 49	10.506	Si
1707	16.08	1.1	0	7,8	-109082	66775	-12346	-1370268	838814	SLU 49	12.562	Si
1736	16.08	1.1	0	7,8	-109887	34666	-12247	-1642348	518109	SLU 51	14.946	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1765	16.08	1.1	0	7,8	-111398	24211	-12106	-1746196	379521	SLU 51	15.675	Si
1794	16.08	1.1	0	7,8	-112909	-29285	-11964	-1726023	-447671	SLU 51	15.287	Si
1823	16.08	1.1	0	7,8	-114420	-61260	-11823	-1469012	-786500	SLU 51	12.839	Si
1852	16.08	1.1	0	7,8	-115932	-93235	-11682	-1237802	-995473	SLU 51	10.677	Si
1881	16.08	1.1	0	7,8	-117443	-125211	-11540	-1038031	-1106686	SLU 51	8.839	Si
1910	16.08	1.1	0	7,8	-118954	-157186	-11399	-875596	-1157010	SLU 51	7.361	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	16.08	2.1	0	1,2	908318	-331468	-64013	-2.02	1.92	1370445	-500109	SLV 9	1.509				Si
-111	16.08	2.1	0	1,2	848437	-309552	-63905	-2.02	1.92	1372484	-500750	SLV 9	1.618				Si
-81	16.08	1.1	0	2	787550	-287262	-63795	-2.02	1.92	1371617	-500303	SLV 9	1.742				Si
-52	16.08	1.1	0	2	726703	-264980	-63684	-2.02	1.92	1365401	-497870	SLV 9	1.879				Si
-22	16.08	1.1	0	2	665909	-242708	-63574	-2.02	1.92	1352423	-492926	SLV 9	2.031				Si
7	16.08	1.1	0	2	605180	-220449	-63464	-2.02	1.92	1330237	-484565	SLV 9	2.198				Si
36	16.08	1.1	0	2	544546	-198210	-63353	-2.02	1.92	1296096	-471767	SLV 9	2.38				Si
66	16.08	1.1	0	2	484052	-176003	-63243	-2.02	1.92	1247775	-453696	SLV 9	2.578				Si
95	16.08	1.1	0	2	423754	-153847	-63133	-2.02	1.92	1181837	-429075	SLV 9	2.789				Si
125	16.08	1.1	0	2	363773	-131785	-63023	-2.02	1.92	1096371	-397184	SLV 9	3.014				Si
154	16.08	1.1	0	2	304390	-109949	-62912	-2.02	1.92	989816	-357532	SLV 9	3.252				Si
184	16.08	1.1	0	2	246125	-88779	-62802	-2.02	1.92	862829	-311230	SLV 9	3.506				Si
213	16.08	1.1	0	2	189802	-70397	-62691	-2.02	1.92	717147	-265987	SLV 9	3.778				Si
242	16.08	1.1	0	2	118304	-64868	-65674	-2.02	1.92	464657	-254777	SLV 5	3.928				Si
272	16.08	1.1	0	2	91491	-71038	-65563	-2.02	1.92	365500	-283789	SLV 5	3.995				Si
301	16.08	1.1	0	2	-21349	-84282	-65669	-2.02	1.92	-88353	-348801	SLV 1	4.138				Si
331	16.08	1.1	0	2	-46007	-95165	-65559	-2.02	1.92	-184025	-380655	SLV 1	4				Si
360	16.08	1.1	0	2	223699	-136512	-62543	-2.02	1.92	754903	-460679	SLV 3	3.375				Si
380	16.08	2.1	0	2,3	-152203	319310	-49036	-2.02	1.92	-460633	966372	SLV 3	3.026				Si
409	16.08	2.1	0	2,3	-140999	266696	-48927	-2.02	1.92	-475996	900331	SLV 3	3.376				Si
438	16.08	1.1	0	3	-131497	214436	-48818	-2.02	1.92	-493065	804056	SLV 3	3.75				Si
467	16.08	1.1	0	3	-124025	163034	-48709	-2.02	1.92	-513007	674362	SLV 3	4.136				Si
496	16.08	1.1	0	3	-118829	114439	-48601	-2.02	1.92	-538144	518265	SLV 3	4.529				Si
525	16.08	1.1	0	3	-75582	59133	-50950	-2.02	1.92	-383579	300096	SLV 1	5.075				Si
554	16.08	1.1	0	3	-131253	48933	-48218	-2.02	1.92	-662471	246978	SLV 9	5.047				Si
583	16.08	1.1	0	3	-134730	31367	-48109	-2.02	1.92	-699211	162785	SLV 9	5.19				Si
612	16.08	1.1	0	3	79680	-111209	-48166	-2.02	1.92	379979	-530336	SLV 3	4.769				Si
641	16.08	1.1	0	3	92555	-163598	-48057	-2.02	1.92	396976	-701686	SLV 3	4.289				Si
670	16.08	1.1	0	3	106200	-215366	-47950	-2.02	1.92	410446	-832350	SLV 3	3.865				Si
690	16.08	2.1	0	3,4	255993	-27434	-40218	-2.02	1.92	1291857	-138444	SLV 9	5.046				Si
719	16.08	2.1	0	3,4	185548	87573	-42215	-2.02	1.92	897513	423597	SLV 1	4.837				Si
748	16.08	1.1	0	4	161625	64569	-42106	-2.02	1.92	840958	335963	SLV 1	5.203				Si
777	16.08	1.1	0	4	138318	42096	-41998	-2.02	1.92	775692	236076	SLV 1	5.608				Si
806	16.08	1.1	0	4	118441	21309	-41889	-2.02	1.92	712940	128266	SLV 1	6.019				Si
835	16.08	1.1	0	4	91769	-12229	-41780	-2.02	1.92	587624	-78308	SLV 1	6.403				Si
864	16.08	1.1	0	4	92955	-47567	-39706	-2.02	1.92	573489	-293467	SLV 3	6.17				Si
893	16.08	1.1	0	4	87798	-73864	-39598	-2.02	1.92	515201	-433439	SLV 3	5.868				Si
922	16.08	1.1	0	4	86656	-102090	-39489	-2.02	1.92	479328	-564702	SLV 3	5.531				Si
951	16.08	1.1	0	4	88452	-130990	-39380	-2.02	1.92	459544	-680548	SLV 3	5.195				Si
980	16.08	1.1	0	4	92321	-160192	-39271	-2.02	1.92	448921	-778950	SLV 3	4.863				Si
1000	16.08	2.1	0	4,5	-82466	169989	-31724	-2.02	1.92	-438430	903749	SLV 3	5.317				Si
1029	16.08	2.1	0	4,5	-83468	137103	-31617	-2.02	1.92	-486825	799644	SLV 3	5.832				Si
1058	16.08	1.1	0	5	-87338	104573	-31508	-2.02	1.92	-554073	663415	SLV 3	6.344				Si
1087	16.08	1.1	0	5	-70109	74064	-31399	-2.02	1.92	-496387	524391	SLV 3	7.08				Si
1116	16.08	1.1	0	5	97692	44430	-31291	-2.02	1.92	717713	326416	SLV 3	7.347				Si
1145	16.08	1.1	0	5	117429	-34633	-31182	-2.02	1.92	855871	-252420	SLV 3	7.288				Si
1174	16.08	1.1	0	5	113329	-59644	-31073	-2.02	1.92	783180	-412181	SLV 3	6.911				Si
1203	16.08	1.1	0	5	112546	-89772	-30964	-2.02	1.92	722034	-575928	SLV 3	6.415				Si
1232	16.08	1.1	0	5	114234	-122133	-30856	-2.02	1.92	671283	-717703	SLV 3	5.876				Si
1261	16.08	1.1	0	5	117719	-155517	-30747	-2.02	1.92	627332	-828757	SLV 3	5.329				Si
1290	16.08	1.1	0	5	122432	-188842	-30640	-2.02	1.92	588407	-907574	SLV 3	4.806				Si
1310	16.08	2.1	0	5,6	-160591	203887	-22794	-2.02	1.92	-713056	905300	SLV 3	4.44				Si
1339	16.08	2.1	0	5,6	-118051	158807	-23718	-2.02	1.92	-668200	898892	SLV 1	5.66				Si
1368	16.08	1.1	0	6	-109586	129574	-23609	-2.02	1.92	-704639	833161	SLV 1	6.43				Si
1397	16.08	1.1	0	6	192337	72836	-22468	-2.02	1.92	1282019	485491	SLV 3	6.665				Si
1426	16.08	1.1	0	6	184389	44793	-22359	-2.02	1.92	1379449	335102	SLV 3	7.481				Si
1455	16.08	1.1	0	6	181486	-29551	-22251	-2.02	1.92	1438111	-234161	SLV 3	7.924				Si
1484	16.08	1.1	0	6	184188	-64683	-22142	-2.02	1.92	1294143	-454475	SLV 3	7.026				Si
1513	16.08	1.1	0	6	192448	-92431	-22033	-2.02	1.92	1202682	-577636	SLV 3	6.249				Si
1542	16.08	1.1	0	6	231862	-113378	-19493	-2.02	1.92	1229852	-601384	SLV 7	5.304				Si
1571	16.08	1.1	0	6	260278	-145244	-19384	-2.02	1.92	1152006	-642857	SLV 7	4.426				Si
1600	16.08	1.1	0	6	290484	-177483	-19278	-2.02	1.92	1087964	-664736	SLV 7	3.745				Si
1620	16.08	2.1	0	6,7,8	-89731	156343	-9105	-2.02	1.92	-546010	951337	SLV 5	6.085				Si
1649	16.08	2.1	0	6,7,8	-89183	123501	-8997	-2.02	1.92	-654230	905978	SLV 5	7.336				Si
1678	16.08	1.1	0	7,8	-137598	68096	-8293	-2.02	1.92	-1196949	592361	SLV 9	8.699				Si
1707	16.08	1.1	0	7,8	-140345	64647	-6766	-2.02	1.92	-1206265	555645	SLV 13	8.595				Si
1736	16.08	1.1	0	7,8	-145426	41549	-8076	-2.02	1.92	-1458127	416589	SLV 9	10.027				Si
1765	16.08	1.1	0	7,8	-156303	30863	-7967	-2.02	1.92	-1586029	313175	SLV 9	10.147				Si
1794	16.08	1.1	0	7,8	-170925	25577	-7858	-2.02	1.92	-1657675	248053	SLV 9	9.698				Si
1823	16.08	1.1	0	7,8	-188438	22122	-7750	-2.02	1.92	-1706475	200339	SLV 9	9.056				Si
1852	16.08	1.1	0	7,8	77222	-121553	-6165	-2.02	1.92	578551	-910680	SLV 7	7.492				Si
1881	16.08	1.1	0	7,8	96456	-154933	-6057	-2.02	1.92	505971	-812719	SLV 7	5.246				Si
1910	16.08	1.1	0	7,8	116413	-188489	-5948	-2.02	1.92	463879	-751081	SLV 7	3.985				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2.1	0	1,2	365004	-202273	-62004	1014432	-562163	SLD 9	2.779	Si
-111	16.08	2.1	0	1,2	343017	-190486	-61896	986581	-547874	SLD 9	2.876	Si
-81	16.08	1.1	0	2	320666	-178499	-61786	954972	-531586	SLD 9	2.978	Si
-52	16.08	1.1	0	2	298338	-166515	-61675	919888	-513430	SLD 9	3.083	Si
-22	16.08	1.1	0	2	276040	-154538	-61565	881105	-493277	SLD 9	3.192	Si
7	16.08	1.1	0	2	253779	-142567	-61455	838545	-471074	SLD 9	3.304	Si
36	16.08	1.1	0	2	231574	-130608	-61344	792154	-446776	SLD 9	3.421	Si
66	16.08	1.1	0	2	209450	-118667	-61234	741966	-420373	SLD 9	3.542	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
95	16.08	1.1	0	2	187441	-106755	-61124	688224	-391971	SLD 9	3.672	Si
125	16.08	1.1	0	2	165618	-94897	-61014	630972	-361537	SLD 9	3.81	Si
154	16.08	1.1	0	2	144152	-83169	-60903	570356	-329070	SLD 9	3.957	Si
184	16.08	1.1	0	2	123355	-71824	-60793	507010	-295209	SLD 9	4.11	Si
213	16.08	1.1	0	2	103855	-61905	-60682	442528	-263779	SLD 9	4.261	Si
242	16.08	1.1	0	2	78847	-57001	-61784	342185	-247375	SLD 5	4.34	Si
272	16.08	1.1	0	2	72139	-56362	-61674	315978	-246872	SLD 5	4.38	Si
301	16.08	1.1	0	2	21359	-58094	-61649	94159	-256094	SLD 1	4.408	Si
331	16.08	1.1	0	2	13823	-59233	-61539	61045	-261583	SLD 1	4.416	Si
360	16.08	1.1	0	2	134078	-72934	-60293	547922	-298053	SLD 3	4.087	Si
380	16.08	2.1	0	2,3	-98242	255330	-47221	-357386	928843	SLD 3	3.638	Si
409	16.08	2.1	0	2,3	-91800	215449	-47113	-362708	851258	SLD 3	3.951	Si
438	16.08	1.1	0	3	-86007	175773	-47004	-368005	752092	SLD 3	4.279	Si
467	16.08	1.1	0	3	-80942	136574	-46895	-374457	631828	SLD 3	4.626	Si
496	16.08	1.1	0	3	-76648	98761	-46786	-383506	494150	SLD 3	5.004	Si
525	16.08	1.1	0	3	-53576	56812	-47643	-295988	313863	SLD 1	5.525	Si
554	16.08	1.1	0	3	-11321	13401	-47534	-64729	76618	SLD 1	5.717	Si
583	16.08	1.1	0	3	-6373	-22911	-47425	-36520	-131292	SLD 1	5.73	Si
612	16.08	1.1	0	3	26524	-69395	-46351	150341	-393342	SLD 3	5.668	Si
641	16.08	1.1	0	3	33989	-109160	-46243	175438	-563441	SLD 3	5.162	Si
670	16.08	1.1	0	3	41704	-148396	-46136	197753	-703673	SLD 3	4.742	Si
690	16.08	2.1	0	3,4	122993	35901	-39654	744656	217364	SLD 5	6.054	Si
719	16.08	2.1	0	3,4	113771	56725	-39579	669225	333666	SLD 1	5.882	Si
748	16.08	1.1	0	4	97875	41217	-39470	610730	257186	SLD 1	6.24	Si
777	16.08	1.1	0	4	82144	25963	-39361	544965	172248	SLD 1	6.634	Si
806	16.08	1.1	0	4	67677	11446	-39252	468573	79247	SLD 1	6.924	Si
835	16.08	1.1	0	4	49365	-9279	-39144	342733	-64421	SLD 1	6.943	Si
864	16.08	1.1	0	4	20837	-25857	-39035	145071	-180023	SLD 1	6.962	Si
893	16.08	1.1	0	4	34264	-46701	-38150	238681	-325316	SLD 3	6.966	Si
922	16.08	1.1	0	4	26362	-64119	-38042	177413	-431511	SLD 3	6.73	Si
951	16.08	1.1	0	4	19637	-81894	-37933	127317	-530955	SLD 3	6.483	Si
980	16.08	1.1	0	4	13797	-99832	-37824	86099	-622979	SLD 3	6.24	Si
1000	16.08	2.1	0	4,5	103361	68703	-31167	707864	470510	SLD 5	6.848	Si
1029	16.08	2.1	0	4,5	84663	54638	-31060	622277	401593	SLD 5	7.35	Si
1058	16.08	1.1	0	5	-18589	70652	-30372	-147399	560237	SLD 3	7.929	Si
1087	16.08	1.1	0	5	-17332	48664	-30263	-148697	417499	SLD 3	8.579	Si
1116	16.08	1.1	0	5	46916	26962	-30154	411148	236276	SLD 3	8.763	Si
1145	16.08	1.1	0	5	25858	-10736	-30657	229232	-95173	SLD 1	8.865	Si
1174	16.08	1.1	0	5	37865	-35037	-29937	330970	-306243	SLD 3	8.741	Si
1203	16.08	1.1	0	5	29781	-56848	-29828	246132	-469833	SLD 3	8.265	Si
1232	16.08	1.1	0	5	22844	-79581	-29719	177710	-619072	SLD 3	7.779	Si
1261	16.08	1.1	0	5	16764	-102744	-29610	122720	-752130	SLD 3	7.32	Si
1290	16.08	1.1	0	5	-111994	-70786	-30083	-769509	-486366	SLD 5	6.871	Si
1310	16.08	2.1	0	5,6	-42783	129401	-22059	-321197	971486	SLD 3	7.508	Si
1339	16.08	2.1	0	5,6	-22806	101153	-22364	-198098	878631	SLD 1	8.686	Si
1368	16.08	1.1	0	6	-16645	79260	-22255	-159729	760595	SLD 1	9.596	Si
1397	16.08	1.1	0	6	109740	46333	-21733	992748	419141	SLD 3	9.046	Si
1426	16.08	1.1	0	6	109861	24970	-21624	1070920	243407	SLD 3	9.748	Si
1455	16.08	1.1	0	6	112079	-16010	-21515	1121119	-160148	SLD 3	10.003	Si
1484	16.08	1.1	0	6	116605	-40808	-21407	1067003	-373417	SLD 3	9.151	Si
1513	16.08	1.1	0	6	123371	-62111	-21298	1031233	-519170	SLD 3	8.359	Si
1542	16.08	1.1	0	6	132134	-85567	-21189	990541	-641449	SLD 3	7.496	Si
1571	16.08	1.1	0	6	142561	-110048	-21080	947261	-731224	SLD 3	6.645	Si
1600	16.08	1.1	0	6	154083	-134599	-20973	903599	-789341	SLD 3	5.864	Si
1620	16.08	2.1	0	6,7,8	-72136	118393	-8316	-577826	948353	SLD 5	8.01	Si
1649	16.08	2.1	0	6,7,8	-72079	94583	-8207	-688558	903533	SLD 5	9.553	Si
1678	16.08	1.1	0	7,8	-93938	61004	-7853	-1072950	696786	SLD 9	11.422	Si
1707	16.08	1.1	0	7,8	-96877	50004	-7165	-1195671	617158	SLD 13	12.342	Si
1736	16.08	1.1	0	7,8	-93792	32036	-7056	-1402276	478972	SLD 13	14.951	Si
1765	16.08	1.1	0	7,8	-100610	13934	-7527	-1680532	232752	SLD 9	16.703	Si
1794	16.08	1.1	0	7,8	-106386	796	-7418	-1883291	14097	SLD 9	17.702	Si
1823	16.08	1.1	0	7,8	-99997	-24919	-7554	-1524327	-379861	SLD 5	15.244	Si
1852	16.08	1.1	0	7,8	-52819	-74095	-7437	-662058	-928737	SLD 1	12.534	Si
1881	16.08	1.1	0	7,8	-49750	-97270	-7328	-508227	-993670	SLD 1	10.216	Si
1910	16.08	1.1	0	7,8	-46055	-120532	-7219	-397988	-1041585	SLD 1	8.642	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	-436	-62165	SLU 7	12805	42320	42857	2.4	97.08	205	-73449	SLU 15	12600	39538	45230	2.5	193.14	Si
-111	4X/2Y Ø8/10	-436	-62056	SLU 7	12805	42320	42843	2.4	97.08	205	-73341	SLU 15	12600	39538	45230	2.5	193.14	Si
-81	4X/2Y Ø8/10	-436	-61946	SLU 7	12805	42320	42828	2.4	97.08	205	-73230	SLU 15	12600	39538	45230	2.5	193.14	Si
-52	4X/2Y Ø8/10	-436	-61836	SLU 7	12805	42320	42814	2.4	97.08	205	-73120	SLU 15	12600	39538	45230	2.5	193.14	Si
-22	4X/2Y Ø8/14.7	-436	-61725	SLU 7	12805	29910	41569	2.5	68.61	205	-73010	SLU 15	12600	26827	45230	2.5	131.05	Si
7	4X/2Y Ø8/14.7	-436	-61615	SLU 7	12805	29910	41555	2.5	68.61	205	-72899	SLU 15	12600	26827	45230	2.5	131.05	Si
36	4X/2Y Ø8/14.7	-436	-61505	SLU 7	12805	29910	41541	2.5	68.61	205	-72789	SLU 15	12600	26827	45230	2.5	131.05	Si
66	4X/2Y Ø8/14.7	-436	-61395	SLU 7	12805	29910	41527	2.5	68.61	205	-72679	SLU 15	12600	26827	45230	2.5	131.05	Si
95	4X/2Y Ø8/14.7	-436	-61284	SLU 7	12805	29910	41512	2.5	68.61	205	-72568	SLU 15	12600	26827	45230	2.5	131.05	Si
125	4X/2Y Ø8/14.7	-436	-61174	SLU 7	12805	29910	41498	2.5	68.61	205	-72458	SLU 15	12600	26827	45230	2.5	131.05	Si
154	4X/2Y Ø8/14.7	-436	-61064	SLU 7	12805	29910	41484	2.5	68.61	205	-72348	SLU 15	12600	26827	45230	2.5	131.05	Si
184	4X/2Y Ø8/14.7	-436	-60953	SLU 7	12805	29910	41470	2.5	68.61	205	-72238	SLU 15	12600	26827	45230	2.5	131.05	Si
213	4X/2Y Ø8/14.7	-436	-60842	SLU 7	12805	29910	41456	2.5	68.61	205	-72126	SLU 15	12600	26827	45230	2.5	131.05	Si
242	4X/2Y Ø8/10	-436	-60733	SLU 7	12805	42315	42668	2.4	97.07	205	-72017	SLU 15	12600	39534	45230	2.5	193.12	Si
272	4X/2Y Ø8/10	-436	-60622	SLU 7	12805	42315	42653	2.4	97.07	205	-71907	SLU 15	12600	39534	45230	2.5	193.12	Si
301	4X/2Y Ø8/10	-436	-60512	SLU 7	12805	42315	42638	2.4	97.07	205	-71796	SLU 15	12600	39534	45230	2.5	193.12	Si
331	4X/2Y Ø8/10	-436	-60402	SLU 7	12805	42315	42624	2.4	97.07	205	-71686	SLU 15	12600	39534	45230	2.5	193.12	Si
360	4X/2Y Ø8/10	-436	-60293	SLU 7	12805	42315	42609	2.4	97.07	205	-71578	SLU 15	12600	39534	45230	2.5	193.12	Si
380	4X/2Y Ø8/10	-1819	-72984	SLU 51	12805	42315	43268	2.4	23.26	328	-72907	SLU 52	12600	39534	45230	2.5	120.7	Si
409	4X/2Y Ø8/10	-1819	-72842	SLU 51	12805	42315	43268	2.4	23.26	328	-72766	SLU 52	12600	39534	45230	2.5	120.7	Si
438	4X/2Y Ø8/10	-1819	-72701	SLU 51	12805	42315	43268	2.4	23.26	328	-72624	SLU 52	12600	39534	45230	2.5	120.7	Si
467	4X/2Y Ø8/14.4	-1819	-72559	SLU 51	12805	30516	42024	2.5	16.77	328	-72483	SLU 52	12600	27370	45230	2.5	83.56	Si
496	4X/2Y Ø8/14.4	-1819	-72418	SLU 51	12805	30516	42024	2.5	16.77	328	-72341	SLU 52	12600	27370	45230	2.5	83.56	Si
525	4X/2Y Ø8/14.4	-1819	-72277	SLU 51	12805	30516	42024	2.5	16.77	328	-72200	SLU 52	12600	27370	45230	2.5	83.56	Si
554	4X/2Y Ø8/14.4	-1819	-72135	SLU 51	12805	30516	42024	2.5	16.77	328	-72059	SLU 52	12600	27370	45230	2.5	83.56	Si
583	4X/2Y Ø8/14.4	-1819	-71994	SLU 51	12805	30516	42024	2.5	16.77	328	-71917	SLU 52	12600	27370	45230	2.5	83.56	Si
612	4X/2Y Ø8/10	-1819	-71853	SLU 51	12805	42315	43268	2.4	23.26	328	-71776	SLU 52	12600	39534	45230	2.5	120.7	Si
641	4X/2Y Ø8/10	-1819	-71711	SLU 51	12805	42315	43268	2.4	23.26	328	-71635	SLU 52	12600	39534	45230	2.5	120.7	Si
670	4X/2Y Ø8/10	-1819	-71572	SLU 51	12805	42315	43268	2.4	23.26	328	-71496	SLU 52	12600	39534	45230	2.5	120.7	Si
690	4X/2Y Ø8/10	-581	-60536	SLU 51	12805	42315	42641	2.4	72.82	-755	-60483	SLU 52	12600	39534	44568	2.5	52.39	Si
719	4X/2Y Ø8/10	-581	-60395	SLU 51	12805	42315	42623	2.4	72.82	-755	-60341	SLU 52	12600	39534	44548	2.5	52.39	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
748	4X/2Y Ø8/10	-581	-60253	SLU 51	12805	42315	42604	2.4	72.82	-755	-60200	SLU 52	12600	39534	44529	2.5	52.39	Si
777	4X/2Y Ø8/14.4	-581	-60112	SLU 51	12805	30516	41362	2.5	52.51	-755	-60059	SLU 52	12600	27370	44509	2.5	36.27	Si
806	4X/2Y Ø8/14.4	-581	-59971	SLU 51	12805	30516	41343	2.5	52.51	-755	-59917	SLU 52	12600	27370	44490	2.5	36.27	Si
835	4X/2Y Ø8/14.4	-581	-59829	SLU 51	12805	30516	41325	2.5	52.51	-755	-59776	SLU 52	12600	27370	44470	2.5	36.27	Si
864	4X/2Y Ø8/14.4	-581	-59688	SLU 51	12805	30516	41307	2.5	52.51	-755	-59635	SLU 52	12600	27370	44450	2.5	36.27	Si
893	4X/2Y Ø8/14.4	-581	-59547	SLU 51	12805	30516	41289	2.5	52.51	-755	-59493	SLU 52	12600	27370	44431	2.5	36.27	Si
922	4X/2Y Ø8/10	-581	-59405	SLU 51	12805	42315	42492	2.4	72.82	-755	-59352	SLU 52	12600	39534	44411	2.5	52.39	Si
951	4X/2Y Ø8/10	-581	-59264	SLU 51	12805	42315	42473	2.4	72.82	-755	-59210	SLU 52	12600	39534	44392	2.5	52.39	Si
980	4X/2Y Ø8/10	-581	-59122	SLU 51	12805	42315	42454	2.4	72.82	-755	-59069	SLU 52	12600	39534	44372	2.5	52.39	Si
1000	4X/2Y Ø8/10	-918	-48027	SLU 51	12285	41434	41590	2.35	45.15	-709	-48027	SLU 51	12040	39534	42842	2.5	55.79	Si
1029	4X/2Y Ø8/10	-918	-47889	SLU 51	12267	41434	41571	2.35	45.15	-709	-47889	SLU 51	12022	39534	42822	2.5	55.79	Si
1058	4X/2Y Ø8/10	-918	-47747	SLU 51	12250	41434	41552	2.35	45.15	-709	-47747	SLU 51	12003	39534	42803	2.5	55.79	Si
1087	4X/2Y Ø8/14.4	-918	-47606	SLU 51	12232	30516	39751	2.5	33.25	-709	-47606	SLU 51	11984	27370	42783	2.5	38.62	Si
1116	4X/2Y Ø8/14.4	-918	-47464	SLU 51	12215	30516	39733	2.5	33.25	-709	-47464	SLU 51	11965	27370	42763	2.5	38.62	Si
1145	4X/2Y Ø8/14.4	-918	-47323	SLU 51	12197	30516	39714	2.5	33.25	-709	-47323	SLU 51	11946	27370	42744	2.5	38.62	Si
1174	4X/2Y Ø8/14.4	-918	-47182	SLU 51	12179	30516	39696	2.5	33.25	-709	-47182	SLU 51	11927	27370	42724	2.5	38.62	Si
1203	4X/2Y Ø8/14.4	-918	-47040	SLU 51	12162	30516	39678	2.5	33.25	-709	-47040	SLU 51	11908	27370	42705	2.5	38.62	Si
1232	4X/2Y Ø8/10	-915	-46824	SLU 49	12135	40552	42045	2.3	44.32	-709	-46899	SLU 51	11889	39534	42685	2.5	55.79	Si
1261	4X/2Y Ø8/10	-918	-46758	SLU 51	12127	40552	42036	2.3	44.19	-709	-46758	SLU 51	11870	39534	42665	2.5	55.79	Si
1290	4X/2Y Ø8/10	-918	-46619	SLU 51	12109	40552	42017	2.3	44.19	-709	-46619	SLU 51	11851	39534	42646	2.5	55.79	Si
1310	4X/2Y Ø8/10	-996	-35223	SLU 52	10691	39671	41067	2.25	39.85	320	-35164	SLU 50	10316	39534	41058	2.5	123.55	Si
1339	4X/2Y Ø8/10	-996	-35081	SLU 52	10673	39671	41047	2.25	39.85	320	-35022	SLU 50	10298	39534	41039	2.5	123.55	Si
1368	4X/2Y Ø8/10	-996	-34940	SLU 52	10655	39671	41028	2.25	39.85	320	-34881	SLU 50	10279	39534	41019	2.5	123.55	Si
1397	4X/2Y Ø8/14.4	-996	-34799	SLU 52	10638	30516	38101	2.5	30.65	320	-34739	SLU 50	10260	27370	41000	2.5	85.54	Si
1426	4X/2Y Ø8/14.4	-996	-34657	SLU 52	10620	30516	38083	2.5	30.65	320	-34598	SLU 50	10241	27370	40980	2.5	85.54	Si
1455	4X/2Y Ø8/14.4	-996	-34516	SLU 52	10603	30516	38065	2.5	30.65	320	-34457	SLU 50	10222	27370	40960	2.5	85.54	Si
1484	4X/2Y Ø8/14.4	-996	-34375	SLU 52	10585	30516	38047	2.5	30.65	320	-34315	SLU 50	10203	27370	40941	2.5	85.54	Si
1513	4X/2Y Ø8/14.4	-996	-34233	SLU 52	10567	30516	38029	2.5	30.65	320	-34174	SLU 50	10184	27370	40921	2.5	85.54	Si
1542	4X/2Y Ø8/10	-996	-34092	SLU 52	10550	39671	40910	2.25	39.85	320	-34033	SLU 50	10165	39534	40902	2.5	123.55	Si
1571	4X/2Y Ø8/10	-996	-33950	SLU 52	10532	39671	40890	2.25	39.85	320	-33891	SLU 50	10146	39534	40882	2.5	123.55	Si
1600	4X/2Y Ø8/10	-996	-33811	SLU 52	10515	39671	40871	2.25	39.85	320	-33752	SLU 50	10127	39534	40863	2.5	123.55	Si
1620	4X/2Y Ø8/10	-1104	-12770	SLU 49	7895	37907	39106	2.15	34.34	-137	-9493	SLU 34	6877	37953	38609	2.4	277.5	Si
1649	4X/2Y Ø8/10	-1104	-12629	SLU 49	7878	37907	39086	2.15	34.34	-137	-9352	SLU 34	6858	37953	38589	2.4	277.5	Si
1678	4X/2Y Ø8/10	-1104	-12487	SLU 49	7860	37907	39065	2.15	34.34	-137	-9210	SLU 34	6839	37953	38569	2.4	277.5	Si
1707	4X/2Y Ø8/14.4	-1104	-12346	SLU 49	7842	30516	35210	2.5	27.64	-137	-9069	SLU 34	6820	27370	37441	2.5	200.12	Si
1736	4X/2Y Ø8/14.4	-1104	-12204	SLU 49	7825	30516	35191	2.5	27.64	-137	-8928	SLU 34	6801	27370	37422	2.5	200.12	Si
1765	4X/2Y Ø8/14.4	-1104	-12063	SLU 49	7807	30516	35173	2.5	27.64	-137	-8786	SLU 34	6782	27370	37402	2.5	200.12	Si
1794	4X/2Y Ø8/14.4	-1104	-11922	SLU 49	7790	30516	35155	2.5	27.64	-137	-8645	SLU 34	6763	27370	37382	2.5	200.12	Si
1823	4X/2Y Ø8/14.4	-1104	-11780	SLU 49	7772	30516	35137	2.5	27.64	-137	-8503	SLU 34	6744	27370	37363	2.5	200.12	Si
1852	4X/2Y Ø8/10	-1104	-11639	SLU 49	7754	37907	38944	2.15	34.34	-137	-8362	SLU 34	6725	37953	38448	2.4	277.5	Si
1881	4X/2Y Ø8/10	-1104	-11498	SLU 49	7737	37907	38924	2.15	34.34	-137	-8221	SLU 34	6706	37953	38428	2.4	277.5	Si
1910	4X/2Y Ø8/10	-1104	-11356	SLU 49	7719	37907	38904	2.15	34.34	-137	-8079	SLU 34	6687	37953	38408	2.4	277.5	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	958	-57014	SLV 13	12805	41438	42799	2.35	43.25	2312	-57415	SLV 7	12600	39538	44143	2.5	17.1	Si
-111	4X/2Y Ø8/10	958	-56906	SLV 13	12805	41438	42785	2.35	43.25	2312	-57307	SLV 7	12600	39538	44128	2.5	17.1	Si
-81	4X/2Y Ø8/10	958	-56795	SLV 13	12805	41438	42770	2.35	43.25	2312	-57196	SLV 7	12600	39538	44112	2.5	17.1	Si
-52	4X/2Y Ø8/10	958	-56685	SLV 13	12805	41438	42755	2.35	43.25	2312	-57086	SLV 7	12600	39538	44097	2.5	17.1	Si
-22	4X/2Y Ø8/14.7	958	-56575	SLV 13	12805	29910	40906	2.5	31.22	2312	-56976	SLV 7	12600	26827	44082	2.5	11.6	Si
7	4X/2Y Ø8/14.7	958	-56464	SLV 13	12805	29910	40892	2.5	31.22	2312	-56865	SLV 7	12600	26827	44067	2.5	11.6	Si
36	4X/2Y Ø8/14.7	958	-56354	SLV 13	12805	29910	40878	2.5	31.22	2312	-56755	SLV 7	12600	26827	44051	2.5	11.6	Si
66	4X/2Y Ø8/14.7	958	-56244	SLV 13	12805	29910	40863	2.5	31.22	2312	-56645	SLV 7	12600	26827	44036	2.5	11.6	Si
95	4X/2Y Ø8/14.7	958	-56134	SLV 13	12805	29910	40849	2.5	31.22	2312	-56535	SLV 7	12600	26827	44021	2.5	11.6	Si
125	4X/2Y Ø8/14.7	958	-56023	SLV 13	12805	29910	40835	2.5	31.22	2312	-56424	SLV 7	12600	26827	44005	2.5	11.6	Si
154	4X/2Y Ø8/14.7	958	-55913	SLV 13	12805	29910	40821	2.5	31.22	2312	-56314	SLV 7	12600	26827	43990	2.5	11.6	Si
184	4X/2Y Ø8/14.7	958	-55803	SLV 13	12805	29910	40807	2.5	31.22	2312	-56204	SLV 7	12600	26827	43975	2.5	11.6	Si
213	4X/2Y Ø8/14.7	958	-55691	SLV 13	12805	29910	40792	2.5	31.22	2312	-56092	SLV 7	12600	26827	43959	2.5	11.6	Si
242	4X/2Y Ø8/10	958	-55582	SLV 13	12805	41434	42607	2.35	43.25	2312	-55983	SLV 7	12600	39534	43944	2.5	17.1	Si
272	4X/2Y Ø8/10	958	-55472	SLV 13	12805	41434	42592	2.35	43.25	2312	-55873	SLV 7	12600	39534	43929	2.5	17.1	Si
301	4X/2Y Ø8/10	958	-55362	SLV 13	12805	41434	42577	2.35	43.25	2312	-55762	SLV 7	12600	39534	43914	2.5	17.1	Si
331	4X/2Y Ø8/10	958	-55251	SLV 13	12805	41434	42562	2.35	43.25	2312	-55652	SLV 7	12600	39534	43898	2.5	17.1	Si
360	4X/2Y Ø8/10	958	-55143	SLV 13	12805	41434	42548	2.35	43.25	2312	-55544	SLV 7	12600	39534	43883	2.5	17.1	Si
380	4X/2Y Ø8/10	-1833	-49036	SLV 3	12410	41434	41726	2.35	22.61	781	-43212	SLV 7	11395	39534	42174	2.5	50.62	Si
409	4X/2Y Ø8/10	-1833	-48927	SLV 3	12397	41434	41711	2.35	22.61	781	-43103	SLV 7	11380	39534	42159	2.5	50.62	Si
438	4X/2Y Ø8/10	-1833	-48818	SLV 3	12383	41434	41697	2.35	22.61	781	-42994	SLV 7	11366	39534	42144	2.5	50.62	Si
467	4X/2Y Ø8/14.4	-1833	-48709	SLV 3	12370	30516	39893	2.5	16.65	781	-42885	SLV 7	11351	27370	42129	2.5	35.05	Si
496	4X/2Y Ø8/14.4	-1833	-48601	SLV 3	12356	30516	39879	2.5	16.65	781	-42777	SLV 7	11337	27370	42114	2.5	35.05	Si
525	4X/2Y Ø8/14.4	-1833	-48492	SLV 3	12343	30516	39865	2.5	16.65	781	-42668	SLV 7	11322	27370	42099	2.5	35.05	Si
554	4X/2Y Ø8/14.4	-1833	-48383	SLV 3	12329	30516	39851	2.5	16.65	781	-42559	SLV 7	11307	27370	42083	2.5	35.05	Si
583	4X/2Y Ø8/14.4	-1833	-48274	SLV 3	12316	30516	39837	2.5	16.65	781	-42450	SLV 7	11293	27370	42068	2.5	35.05	Si
612	4X/2Y Ø8/10	-1833	-48166	SLV 3	12302	41434	41609	2.35	22.61	781	-42342	SLV 7	11278	39534	42053	2.5	50.62	Si
641	4X/2Y Ø8/10	-1833	-48057	SLV 3	12288	41434	41594	2.35	22.61	781	-42233	SLV 7	11264	39534	42038	2.5	50.62	Si
670	4X/2Y Ø8/10	-1833	-47950	SLV 3	12275	41434	41580	2.35	22.61	781	-42126	SLV 7	11249	39534	42023	2.5	50.62	Si
690	4X/2Y Ø8/10	-1024	-40359	SLV 3	11330	40552	41163	2.3	39.59	-1427	-40218	SLV 9	10994	39534	41759	2.5	27.69	Si
719	4X/2Y Ø8/10	-1024	-40250	SLV 3	11317	40552	41148	2.3	39.59	-1427	-40110	SLV 9	10979	39534	41744	2.5	27.69	Si
748	4X/2Y Ø8/10	-1024	-40141	SLV 3	11303	40552	41133	2.3	39.59	-1427	-40001	SLV 9	10965	39534	41729	2.5	27.69	Si
777	4X/2Y Ø8/14.4	-1024	-40033	SLV 3	11289	30516	38775	2.5	29.79	-1427	-39892	SLV 9	10950	27370	41714	2.5	19.17	Si
806	4X/2Y Ø8/14.4	-1024	-39924	SLV 3	11276	30516	38761	2.5	29.79	-1427	-39783	SLV 9	10935	27370	41699	2.5	19.17	Si
835	4X/2Y Ø8/14.4	-1024	-39815	SLV 3	11262	30516	38747	2.5	29.79	-1427	-39675	SLV 9	10921	27370	41684	2.5	19.17	Si
864	4X/2Y Ø8/14.4	-1024	-39706	SLV 3	11249	30516	38733	2.5	29.79	-1427	-39566	SLV 9	10906	27370	41669	2.5	19.17	Si
893	4X/2Y Ø8/14.4	-1024	-39598	SLV 3	11235	30516	38719	2.5	29.79	-1427	-39457	SLV 9	10892	27370	41653	2.5	19.17	Si
922	4X/2Y Ø8/10	-1024	-39489	SLV 3	11222	40552	41044	2.3	39.59	-1427	-39348	SLV 9	10877	39534	41638	2.5	27.69	Si
951	4X/2Y Ø8/10	-1024	-39380	SLV 3	11208	40552	41029	2.3	39.59	-1427	-39240	SLV 9	10863	39534	41623	2.5	27.69	Si
980	4X/2Y Ø8/10	-1024	-39271	SLV 3	11195	40552	41014	2.3	39.59	-1427	-39131	SLV 9	10848	39534	41608	2.5	27.69	Si
1000	4X/2Y Ø8/10	-1205	-31724	SLV 3	10255	39671	40582	2.25	32.92	-1439	-31596	SLV 9	9838	39534	40564	2.5	27.48	Si
1029	4X/2Y Ø8/10	-1205	-31617	SLV 3	10242	39671	40567	2.25	32.92	-1439	-31489	SLV 9	9824	39534	40549	2.5	27.48	Si
1058	4X/2Y Ø8/10	-1205	-31508	SLV 3	10228	39671	40552	2.25	32.92	-1439	-31380	SLV 9	9810	39534	40534	2.5	27.48	Si
1087	4X/2Y Ø8/14.4	-1205	-31399	SLV 3	10215	30516	37664	2.5	25.33	-1439	-31272	SLV 9	9795	27370	40519	2.5	19.03	Si
1116	4X/2Y Ø8/14.4	-1205	-31291	SLV 3	10201	30516	37650	2.5	25.33	-1439	-31163	SLV 9	9780	27370	40504	2.5	19.03	Si
1145	4X/2Y Ø8/14.4	-1205	-31182	SLV 3	10188	30516	37636	2.5	25.33	-1439	-31054	SLV 9	9766	27370	40489	2.5	19.03	Si
1174	4X/2Y Ø8/14.4	-1205	-31073	SLV 3	10174	30516	37622	2.5	25.33	-1439	-30945	SLV 9	9751	27370	40474	2.5	19.03	Si
1203	4X/2Y Ø8/14.4	-1205	-30964	SLV 3	10160	30516	37607	2.5	25.33	-1439	-30837	SLV 9	9737	27370	40459	2.5	19.03	Si
1232	4X/2Y Ø8/10	-1205	-30856	SLV 3	10147	39671	40461	2.25	32.92	-1439	-30728	SLV 9	9722	39534	40443	2.5	27.48	Si
1261	4X/2Y Ø8/10	-1205	-30747	SLV 3	10133	39671	40446	2.25	32.92	-1439	-30619	SLV 9	9708	39534	40428	2.5	27.48	Si
1290	4X/2Y Ø8/10	-1205	-30640	SLV 3	10120	39671	40432	2.25	32.92	-1439	-30512	SLV 9	9693	39534	40414	2.5	27.48	Si
1310	4X/2Y Ø8/10	-1339	-22794	SLV 3	9143	38789	39935	2.2	28.96	1284	-20363	SLV 7	8333	38743	39578	2.45	30.18	Si
1339	4X/2Y Ø8/10	-1339	-22686	SLV 3	9130	38789	39920	2.2	28.96	1284	-20254	SLV 7	8319	38743	39562	2.45	30.18	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1368	4X/2Y Ø8/10	-1339	-22577	SLV 3	9116	38789	39905	2.2	28.96	1284	-20146	SLV 7	8304	38743	39547	2.45	30.18	Si
1397	4X/2Y Ø8/14.4	-1339	-22468	SLV 3	9103	30516	36513	2.5	22.79	1284	-20037	SLV 7	8290	27370	38962	2.5	21.32	Si
1426	4X/2Y Ø8/14.4	-1339	-22359	SLV 3	9089	30516	36499	2.5	22.79	1284	-19928	SLV 7	8275	27370	38946	2.5	21.32	Si
1455	4X/2Y Ø8/14.4	-1339	-22251	SLV 3	9076	30516	36485	2.5	22.79	1284	-19819	SLV 7	8260	27370	38931	2.5	21.32	Si
1484	4X/2Y Ø8/14.4	-1339	-22142	SLV 3	9062	30516	36471	2.5	22.79	1284	-19711	SLV 7	8246	27370	38916	2.5	21.32	Si
1513	4X/2Y Ø8/14.4	-1339	-22033	SLV 3	9048	30516	36457	2.5	22.79	1284	-19602	SLV 7	8231	27370	38901	2.5	21.32	Si
1542	4X/2Y Ø8/10	-1339	-21924	SLV 3	9035	38789	39813	2.2	28.96	1284	-19493	SLV 7	8217	38743	39455	2.45	30.18	Si
1571	4X/2Y Ø8/10	-1339	-21816	SLV 3	9021	38789	39798	2.2	28.96	1284	-19384	SLV 7	8202	38743	39440	2.45	30.18	Si
1600	4X/2Y Ø8/10	-1339	-21709	SLV 3	9008	38789	39783	2.2	28.96	1284	-19278	SLV 7	8188	38743	39425	2.45	30.18	Si
1620	4X/2Y Ø8/10	-1318	-8454	SLV 3	7358	37907	38489	2.15	28.76	-816	-9075	SLV 1	6821	37953	38550	2.4	46.52	Si
1649	4X/2Y Ø8/10	-1318	-8345	SLV 3	7344	37907	38474	2.15	28.76	-816	-8966	SLV 1	6806	37953	38534	2.4	46.52	Si
1678	4X/2Y Ø8/10	-1318	-8236	SLV 3	7331	37907	38458	2.15	28.76	-816	-8857	SLV 1	6791	37953	38519	2.4	46.52	Si
1707	4X/2Y Ø8/14.4	-1318	-8127	SLV 3	7317	30516	34666	2.5	23.15	-816	-8748	SLV 1	6777	27370	37397	2.5	33.55	Si
1736	4X/2Y Ø8/14.4	-1318	-8019	SLV 3	7304	30516	34652	2.5	23.15	-816	-8640	SLV 1	6762	27370	37382	2.5	33.55	Si
1765	4X/2Y Ø8/14.4	-1318	-7910	SLV 3	7290	30516	34638	2.5	23.15	-816	-8531	SLV 1	6748	27370	37367	2.5	33.55	Si
1794	4X/2Y Ø8/14.4	-1318	-7801	SLV 3	7277	30516	34624	2.5	23.15	-816	-8422	SLV 1	6733	27370	37352	2.5	33.55	Si
1823	4X/2Y Ø8/14.4	-1318	-7692	SLV 3	7263	30516	34610	2.5	23.15	-816	-8313	SLV 1	6719	27370	37336	2.5	33.55	Si
1852	4X/2Y Ø8/10	-1318	-7584	SLV 3	7250	37907	38365	2.15	28.76	-816	-8205	SLV 1	6704	37953	38426	2.4	46.52	Si
1881	4X/2Y Ø8/10	-1318	-7475	SLV 3	7236	37907	38350	2.15	28.76	-816	-8096	SLV 1	6689	37953	38410	2.4	46.52	Si
1910	4X/2Y Ø8/10	-1318	-7366	SLV 3	7222	37907	38334	2.15	28.76	-816	-7987	SLV 1	6675	37953	38395	2.4	46.52	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/2Y Ø8/10	486	-59264	SLD 13	13684	44083	41252	2.5	84.85	999	-59424	SLD 7	13567	39538	44421	2.5	39.58	Si
-111	4X/2Y Ø8/10	486	-59155	SLD 13	13670	44083	41238	2.5	84.82	999	-59316	SLD 7	13553	39538	44406	2.5	39.58	Si
-81	4X/2Y Ø8/10	486	-59045	SLD 13	13656	44083	41224	2.5	84.79	999	-59205	SLD 7	13538	39538	44391	2.5	39.58	Si
-52	4X/2Y Ø8/10	486	-58935	SLD 13	13643	44083	41210	2.5	84.76	999	-59095	SLD 7	13523	39538	44376	2.5	39.58	Si
-22	4X/2Y Ø8/14.7	486	-58825	SLD 13	13629	29910	41196	2.5	61.52	999	-58985	SLD 7	13508	26827	44360	2.5	26.86	Si
7	4X/2Y Ø8/14.7	486	-58714	SLD 13	13615	29910	41181	2.5	61.52	999	-58874	SLD 7	13494	26827	44345	2.5	26.86	Si
36	4X/2Y Ø8/14.7	486	-58604	SLD 13	13602	29910	41167	2.5	61.52	999	-58764	SLD 7	13479	26827	44330	2.5	26.86	Si
66	4X/2Y Ø8/14.7	486	-58494	SLD 13	13588	29910	41153	2.5	61.52	999	-58654	SLD 7	13464	26827	44315	2.5	26.86	Si
95	4X/2Y Ø8/14.7	486	-58383	SLD 13	13574	29910	41139	2.5	61.52	999	-58543	SLD 7	13449	26827	44299	2.5	26.86	Si
125	4X/2Y Ø8/14.7	486	-58273	SLD 13	13560	29910	41125	2.5	61.52	999	-58433	SLD 7	13435	26827	44284	2.5	26.86	Si
154	4X/2Y Ø8/14.7	486	-58163	SLD 13	13547	29910	41110	2.5	61.52	999	-58323	SLD 7	13420	26827	44269	2.5	26.86	Si
184	4X/2Y Ø8/14.7	486	-58052	SLD 13	13533	29910	41096	2.5	61.52	999	-58213	SLD 7	13405	26827	44253	2.5	26.86	Si
213	4X/2Y Ø8/14.7	486	-57941	SLD 13	13519	29910	41082	2.5	61.52	999	-58101	SLD 7	13390	26827	44238	2.5	26.86	Si
242	4X/2Y Ø8/10	486	-57832	SLD 13	13505	44078	41068	2.5	84.47	999	-57992	SLD 7	13375	39534	44223	2.5	39.58	Si
272	4X/2Y Ø8/10	486	-57722	SLD 13	13492	44078	41054	2.5	84.44	999	-57882	SLD 7	13361	39534	44207	2.5	39.58	Si
301	4X/2Y Ø8/10	486	-57611	SLD 13	13478	44078	41039	2.5	84.41	999	-57771	SLD 7	13346	39534	44192	2.5	39.58	Si
331	4X/2Y Ø8/10	486	-57501	SLD 13	13464	44078	41025	2.5	84.38	999	-57661	SLD 7	13331	39534	44177	2.5	39.58	Si
360	4X/2Y Ø8/10	486	-57393	SLD 13	13451	44078	41011	2.5	84.35	999	-57553	SLD 7	13317	39534	44162	2.5	39.58	Si
380	4X/2Y Ø8/10	-1386	-47221	SLD 3	12184	44078	39701	2.5	28.64	398	-44931	SLD 7	11625	39534	42412	2.5	99.22	Si
409	4X/2Y Ø8/10	-1386	-47113	SLD 3	12171	44078	39687	2.5	28.63	398	-44822	SLD 7	11611	39534	42397	2.5	99.22	Si
438	4X/2Y Ø8/10	-1386	-47004	SLD 3	12157	44078	39673	2.5	28.62	398	-44714	SLD 7	11596	39534	42382	2.5	99.22	Si
467	4X/2Y Ø8/14.4	-1386	-46895	SLD 3	12144	30516	39659	2.5	22.02	398	-44605	SLD 7	11582	27370	42367	2.5	68.69	Si
496	4X/2Y Ø8/14.4	-1386	-46786	SLD 3	12130	30516	39645	2.5	22.02	398	-44496	SLD 7	11567	27370	42352	2.5	68.69	Si
525	4X/2Y Ø8/14.4	-1386	-46678	SLD 3	12117	30516	39631	2.5	22.02	398	-44387	SLD 7	11552	27370	42337	2.5	68.69	Si
554	4X/2Y Ø8/14.4	-1386	-46569	SLD 3	12103	30516	39617	2.5	22.02	398	-44279	SLD 7	11538	27370	42322	2.5	68.69	Si
583	4X/2Y Ø8/14.4	-1386	-46460	SLD 3	12090	30516	39603	2.5	22.02	398	-44170	SLD 7	11523	27370	42307	2.5	68.69	Si
612	4X/2Y Ø8/10	-1386	-46351	SLD 3	12076	44078	39589	2.5	28.56	398	-44061	SLD 7	11509	39534	42292	2.5	99.22	Si
641	4X/2Y Ø8/10	-1386	-46243	SLD 3	12063	44078	39575	2.5	28.55	398	-43952	SLD 7	11494	39534	42277	2.5	99.22	Si
670	4X/2Y Ø8/10	-1386	-46136	SLD 3	12049	44078	39561	2.5	28.54	398	-43846	SLD 7	11480	39534	42262	2.5	99.22	Si
690	4X/2Y Ø8/10	-628	-38912	SLD 3	11150	44078	38631	2.5	61.52	-800	-38849	SLD 9	10810	39534	41569	2.5	49.45	Si
719	4X/2Y Ø8/10	-628	-38803	SLD 3	11136	44078	38617	2.5	61.49	-800	-38740	SLD 9	10796	39534	41554	2.5	49.45	Si
748	4X/2Y Ø8/10	-628	-38694	SLD 3	11123	44078	38603	2.5	61.47	-800	-38631	SLD 9	10781	39534	41539	2.5	49.45	Si
777	4X/2Y Ø8/14.4	-628	-38585	SLD 3	11109	30516	38589	2.5	48.59	-800	-38523	SLD 9	10767	27370	41524	2.5	34.23	Si
806	4X/2Y Ø8/14.4	-628	-38477	SLD 3	11096	30516	38575	2.5	48.59	-800	-38414	SLD 9	10752	27370	41509	2.5	34.23	Si
835	4X/2Y Ø8/14.4	-628	-38368	SLD 3	11082	30516	38561	2.5	48.59	-800	-38305	SLD 9	10737	27370	41494	2.5	34.23	Si
864	4X/2Y Ø8/14.4	-628	-38259	SLD 3	11069	30516	38547	2.5	48.59	-800	-38196	SLD 9	10723	27370	41479	2.5	34.23	Si
893	4X/2Y Ø8/14.4	-628	-38150	SLD 3	11055	30516	38533	2.5	48.59	-800	-38088	SLD 9	10708	27370	41464	2.5	34.23	Si
922	4X/2Y Ø8/10	-628	-38042	SLD 3	11042	44078	38519	2.5	61.34	-800	-37979	SLD 9	10694	39534	41449	2.5	49.45	Si
951	4X/2Y Ø8/10	-628	-37933	SLD 3	11028	44078	38505	2.5	61.31	-800	-37870	SLD 9	10679	39534	41434	2.5	49.45	Si
980	4X/2Y Ø8/10	-628	-37824	SLD 3	11014	44078	38491	2.5	61.29	-800	-37761	SLD 9	10665	39534	41418	2.5	49.45	Si
1000	4X/2Y Ø8/10	-822	-30587	SLD 3	10113	44078	37559	2.5	45.71	-833	-30529	SLD 9	9695	39534	40416	2.5	47.49	Si
1029	4X/2Y Ø8/10	-822	-30480	SLD 3	10100	44078	37545	2.5	45.7	-833	-30422	SLD 9	9681	39534	40401	2.5	47.49	Si
1058	4X/2Y Ø8/10	-822	-30372	SLD 3	10087	44078	37531	2.5	45.68	-833	-30313	SLD 9	9667	39534	40386	2.5	47.49	Si
1087	4X/2Y Ø8/14.4	-822	-30263	SLD 3	10073	30516	37517	2.5	37.14	-833	-30204	SLD 9	9652	27370	40371	2.5	32.88	Si
1116	4X/2Y Ø8/14.4	-822	-30154	SLD 3	10060	30516	37503	2.5	37.14	-833	-30096	SLD 9	9637	27370	40356	2.5	32.88	Si
1145	4X/2Y Ø8/14.4	-822	-30045	SLD 3	10046	30516	37489	2.5	37.14	-833	-29987	SLD 9	9623	27370	40341	2.5	32.88	Si
1174	4X/2Y Ø8/14.4	-822	-29937	SLD 3	10032	30516	37475	2.5	37.14	-833	-29878	SLD 9	9608	27370	40326	2.5	32.88	Si
1203	4X/2Y Ø8/14.4	-822	-29828	SLD 3	10019	30516	37461	2.5	37.14	-833	-29769	SLD 9	9594	27370	40311	2.5	32.88	Si
1232	4X/2Y Ø8/10	-822	-29719	SLD 3	10005	44078	37447	2.5	45.58	-833	-29661	SLD 9	9579	39534	40296	2.5	47.49	Si
1261	4X/2Y Ø8/10	-822	-29610	SLD 3	9992	44078	37433	2.5	45.56	-833	-29552	SLD 9	9565	39534	40280	2.5	47.49	Si
1290	4X/2Y Ø8/10	-822	-29504	SLD 3	9979	44078	37419	2.5	45.54	-833	-29445	SLD 9	9550	39534	40266	2.5	47.49	Si
1310	4X/2Y Ø8/10	-890	-22059	SLD 3	9052	44078	36461	2.5	40.95	617	-21082	SLD 7	8430	39534	39106	2.5	63.43	Si
1339	4X/2Y Ø8/10	-890	-21950	SLD 3	9038	44078	36447	2.5	40.93	617	-20973	SLD 7	8415	39534	39091	2.5	63.41	Si
1368	4X/2Y Ø8/10	-890	-21842	SLD 3	9025	44078	36433	2.5	40.92	617	-20864	SLD 7	8400	39534	39076	2.5	63.38	Si
1397	4X/2Y Ø8/14.4	-890	-21733	SLD 3	9011	30516	36419	2.5	34.27	617	-20755	SLD 7	8386	27370	39061	2.5	44.4	Si
1426	4X/2Y Ø8/14.4	-890	-21624	SLD 3	8998	30516	36405	2.5	34.27	617	-20647	SLD 7	8371	27370	39046	2.5	44.4	Si
1455	4X/2Y Ø8/14.4	-890	-21515	SLD 3	8984	30516	36391	2.5	34.27	617	-20538	SLD 7	8357	27370	39031	2.5	44.4	Si
1484	4X/2Y Ø8/14.4	-890	-21407	SLD 3	8970	30516	36377	2.5	34.27	617	-20429	SLD 7	8342	27370	39016	2.5	44.4	Si
1513	4X/2Y Ø8/14.4	-890	-21298	SLD 3	8957	30516	36363	2.5	34.27	617	-20320	SLD 7	8328	27370	39001	2.5	44.4	Si
1542	4X/2Y Ø8/10	-890	-21189	SLD 3	8943	44078	36349	2.5	40.82	617	-20212	SLD 7	8313	39534	38986	2.5	63.24	Si
1571	4X/2Y Ø8/10	-890	-21080	SLD 3	8930	44078	36335	2.5	40.81	617	-20103	SLD 7	8298	39534	38971	2.5	63.21	Si
1600	4X/2Y Ø8/10	-890	-20973	SLD 3	8917	44078	36321	2.5	40.79	617	-19996	SLD 7	8284	39534	38956	2.5	63.19	Si
1620	4X/2Y Ø8/10	-898	-8055	SLD 3	7308	44078	34657	2.5	38.59	-357	-8307	SLD 1	6718	39534	37336	2.5	104.61	Si
1649	4X/2Y Ø8/10	-898	-7946	SLD 3	7295	44078	34643	2.5	38.58	-357	-8198	SLD 1	6703	39534	37320	2.5	104.57	Si
1678	4X/2Y Ø8/10	-898	-7837	SLD 3	7281	44078	34629	2.5	38.56	-357	-8089	SLD 1	6689	39534	37305	2.5	104.53	Si
1707	4X/2Y Ø8/14.4	-898	-7729	SLD 3	7268	30516	34615	2.5	33.98	-357	-7981	SLD 1	6674	27370	37290	2.5	76.69	Si
1736	4X/2Y Ø8/14.4	-898	-7620	SLD 3	7254	30516	34601	2.5	33.98	-357	-7872	SLD 1	6659	27370	37275	2.5	76.69	Si
1765	4X/2Y Ø8/14.4	-898	-7511	SLD 3	7241	30516	34587	2.5	33.98	-357	-7763	SLD 1	6645	27370	37260	2.5	76.69	Si
1794	4X/2Y Ø8/14.4	-898	-7402	SLD 3	7227	30516	34573	2.5	33.98	-357	-7654	SLD 1	6630	27370	37245	2.5	76.69	Si
1823	4X/2Y Ø8/14.4	-898	-7294	SLD 3	7213	30516	34559	2.5	33.98	-357	-7546	SLD 1	6616	27370	37230	2.5	76.69	Si
1852	4X/2Y Ø8/10	-898	-7185	SLD 3	7200	44078	34545	2.5	38.47	-357	-7437	SLD 1	6601	39534	37215	2.5	104.28	Si
1881	4X/2Y Ø8/10	-898	-7076	SLD 3	7186	44078	34531	2.5	38.45	-357	-7328	SLD 1	6587	39534	37200	2.5	104.23	Si
1910	4X/2Y Ø8/10	-898	-6967	SLD 3	7173	44078	34517	2.5	38.44	-357	-7219	SLD 1	6572	39534	37185	2.5	104.19	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	28286	-122048	-67899	SLE RA 12	-54.4	28286	-122048	-67899	SLE RA 12	-738.3	Si
-111	30917	-117527	-67791	SLE RA 12	-54.1	30917	-117527	-67791	SLE RA 12	-734.6	Si
-81	33594	-112929	-67680	SLE RA 12	-53.7	33594	-112929	-67680	SLE RA 12	-730.9	Si
-52	36271	-108330	-67570	SLE RA 12	-53.3	36271	-108330	-67570	SLE RA 12	-727.2	Si
-22	38947	-103731	-67460	SLE RA 12	-52.9	38947	-103731	-67460	SLE RA 12	-723.5	Si
7	41624	-99133	-67349	SLE RA 12	-52.5	41624	-99133	-67349	SLE RA 12	-719.8	Si
36	44301	-94534	-67239	SLE RA 12	-52.1	44301	-94534	-67239	SLE RA 12	-716.1	Si
66	46978	-89935	-67129	SLE RA 12	-51.7	46978	-89935	-67129	SLE RA 12	-712.4	Si
95	49654	-85337	-67019	SLE RA 12	-51.3	49654	-85337	-67019	SLE RA 12	-708.7	Si
125	52331	-80738	-66908	SLE RA 12	-50.9	52331	-80738	-66908	SLE RA 12	-705	Si
154	55559	-80523	-66807	SLE RA 13	-51.1	55559	-80523	-66807	SLE RA 13	-706.5	Si
184	58399	-82553	-66697	SLE RA 13	-51.4	58399	-82553	-66697	SLE RA 13	-710	Si
213	61267	-84602	-66585	SLE RA 13	-51.8	61267	-84602	-66585	SLE RA 13	-713.6	Si
242	64080	-86612	-66476	SLE RA 13	-52.1	64080	-86612	-66476	SLE RA 13	-717.1	Si
272	66921	-88642	-66366	SLE RA 13	-52.5	66921	-88642	-66366	SLE RA 13	-720.6	Si
301	66907	-110079	-63139	SLE RA 6	-53	69761	-90671	-66256	SLE RA 13	-724.1	Si
331	70354	-116278	-63028	SLE RA 6	-53.9	73723	-92656	-66068	SLE RA 11	-727.8	Si
360	73742	-122371	-62920	SLE RA 6	-54.7	73742	-122371	-62920	SLE RA 6	-732.5	Si
380	-72589	249320	-51283	SLE RA 12	-62	-72589	249320	-51283	SLE RA 12	-767	Si
409	-66562	212364	-51174	SLE RA 12	-57.4	-66562	212364	-51174	SLE RA 12	-721.7	Si
438	-60535	175408	-51065	SLE RA 12	-52.9	-60535	175408	-51065	SLE RA 12	-676.4	Si
467	-54508	138452	-50957	SLE RA 12	-48.3	-54508	138452	-50957	SLE RA 12	-631.1	Si
496	-48480	101496	-50848	SLE RA 12	-43.8	-48480	101496	-50848	SLE RA 12	-585.7	Si
525	-42453	64540	-50739	SLE RA 12	-39.2	-42453	64540	-50739	SLE RA 12	-540.4	Si
554	-36426	27584	-50630	SLE RA 12	-34.6	-36426	27584	-50630	SLE RA 12	-495.1	Si
583	-26638	-17127	-50471	SLE RA 13	-32.7	-26638	-17127	-50471	SLE RA 13	-474.6	Si
612	-20170	-50054	-50362	SLE RA 13	-35.8	-20170	-50054	-50362	SLE RA 13	-503.7	Si
641	-18344	-83284	-50304	SLE RA 12	-39.4	-18344	-83284	-50304	SLE RA 12	-537.2	Si
670	-12421	-119603	-50197	SLE RA 12	-42.9	-12421	-119603	-50197	SLE RA 12	-570.3	Si
690	92317	51970	-42489	SLE RA 13	-36.5	92317	51970	-42489	SLE RA 13	-496.2	Si
719	76938	40271	-42380	SLE RA 13	-34.1	76938	40271	-42380	SLE RA 13	-470.3	Si
748	61558	28573	-42271	SLE RA 13	-31.7	61558	28573	-42271	SLE RA 13	-444.5	Si
777	46179	16875	-42162	SLE RA 13	-29.2	46179	16875	-42162	SLE RA 13	-418.6	Si
806	30799	5177	-42054	SLE RA 13	-26.8	30799	5177	-42054	SLE RA 13	-392.7	Si
835	16428	-8407	-41981	SLE RA 12	-26.2	16428	-8407	-41981	SLE RA 12	-383.9	Si
864	2544	-20262	-41872	SLE RA 12	-26.5	2544	-20262	-41872	SLE RA 12	-384.4	Si
893	-15339	-29918	-41727	SLE RA 13	-28.3	-15339	-29918	-41727	SLE RA 13	-403.8	Si
922	-30718	-41616	-41619	SLE RA 13	-30.6	-30718	-41616	-41619	SLE RA 13	-427.9	Si
951	-46097	-53314	-41510	SLE RA 13	-32.9	-46097	-53314	-41510	SLE RA 13	-451.9	Si
980	-61477	-65013	-41401	SLE RA 13	-35.2	-61477	-65013	-41401	SLE RA 13	-475.9	Si
1000	68632	91378	-33722	SLE RA 12	-34.2	68632	91378	-33722	SLE RA 12	-443.7	Si
1029	54365	72995	-33615	SLE RA 12	-31.1	54365	72995	-33615	SLE RA 12	-411.6	Si
1058	39848	54291	-33506	SLE RA 12	-28	39848	54291	-33506	SLE RA 12	-378.9	Si
1087	25331	35586	-33397	SLE RA 12	-24.9	25331	35586	-33397	SLE RA 12	-346.2	Si
1116	10814	16881	-33288	SLE RA 12	-21.7	10814	16881	-33288	SLE RA 12	-313.6	Si
1145	-7498	-684	-33153	SLE RA 13	-19.6	-7498	-684	-33153	SLE RA 13	-292.4	Si
1174	-21270	-19294	-33044	SLE RA 13	-22.6	-21270	-19294	-33044	SLE RA 13	-322.5	Si
1203	-32737	-39233	-32962	SLE RA 12	-25.5	-35041	-37904	-32936	SLE RA 13	-352.6	Si
1232	-47254	-57938	-32853	SLE RA 12	-28.5	-47254	-57938	-32853	SLE RA 12	-383.2	Si
1261	-61771	-76643	-32745	SLE RA 12	-31.5	-61771	-76643	-32745	SLE RA 12	-414	Si
1290	-76038	-95025	-32638	SLE RA 12	-34.5	-76038	-95025	-32638	SLE RA 12	-444.2	Si
1310	44552	93143	-24711	SLE RA 13	-27.5	44552	93143	-24711	SLE RA 13	-348.5	Si
1339	50715	72878	-24602	SLE RA 13	-25.7	50715	72878	-24602	SLE RA 13	-330.9	Si
1368	56879	52612	-24493	SLE RA 13	-23.8	56879	52612	-24493	SLE RA 13	-313.2	Si
1397	63043	32347	-24384	SLE RA 13	-21.9	63043	32347	-24384	SLE RA 13	-295.6	Si
1426	69206	12082	-24276	SLE RA 13	-20	69206	12082	-24276	SLE RA 13	-278	Si
1455	75292	-8624	-24184	SLE RA 12	-20	75292	-8624	-24184	SLE RA 12	-278.4	Si
1484	81409	-28781	-24075	SLE RA 12	-22.6	81409	-28781	-24075	SLE RA 12	-304	Si
1513	87527	-48939	-23966	SLE RA 12	-25.2	87527	-48939	-23966	SLE RA 12	-329.5	Si
1542	93645	-69097	-23858	SLE RA 12	-27.8	93645	-69097	-23858	SLE RA 12	-355.1	Si
1571	100024	-89244	-23732	SLE RA 13	-30.4	100024	-89244	-23732	SLE RA 13	-380.7	Si
1600	106081	-109160	-23625	SLE RA 13	-32.9	106081	-109160	-23625	SLE RA 13	-406	Si
1620	-72309	114129	-8989	SLE RA 10	-22.7	-72309	114129	-8989	SLE RA 10	-257.9	Si
1649	-73420	91693	-8880	SLE RA 10	-20.3	-73420	91693	-8880	SLE RA 10	-233.9	Si
1678	-74532	69257	-8771	SLE RA 10	-17.8	-74532	69257	-8771	SLE RA 10	-209.9	Si
1707	-75643	46821	-8662	SLE RA 10	-15.3	-75643	46821	-8662	SLE RA 10	-185.8	Si
1736	-76659	24323	-8582	SLE RA 12	-12.9	-76659	24323	-8582	SLE RA 12	-161.9	Si
1765	-78146	1913	-8473	SLE RA 12	-10.4	-78146	1913	-8473	SLE RA 12	-138.2	Si
1794	-79632	-20496	-8365	SLE RA 12	-12.5	-79632	-20496	-8365	SLE RA 12	-158.3	Si
1823	-81119	-42905	-8256	SLE RA 12	-15	-81119	-42905	-8256	SLE RA 12	-182.6	Si
1852	-82605	-65315	-8147	SLE RA 12	-17.6	-82605	-65315	-8147	SLE RA 12	-206.8	Si
1881	-84092	-87724	-8038	SLE RA 12	-20.1	-84092	-87724	-8038	SLE RA 12	-231	Si
1910	-85578	-110133	-7930	SLE RA 12	-22.6	-85578	-110133	-7930	SLE RA 12	-255.3	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	6752	-117676	-60714	SLE QP 2	-48.3	Si
-111	10147	-112588	-60606	SLE QP 2	-48	Si
-81	13600	-107411	-60495	SLE QP 2	-47.6	Si
-52	17053	-102234	-60385	SLE QP 2	-47.2	Si
-22	20506	-97057	-60275	SLE QP 2	-46.8	Si
7	23959	-91881	-60165	SLE QP 2	-46.4	Si
36	27412	-86704	-60054	SLE QP 2	-46	Si
66	30866	-81527	-59944	SLE QP 2	-45.6	Si
95	34319	-76351	-59834	SLE QP 2	-45.2	Si
125	37772	-71174	-59723	SLE QP 2	-44.8	Si
154	41225	-65997	-59613	SLE QP 2	-44.4	Si
184	44678	-60820	-59503	SLE QP 2	-44	Si
213	48165	-55594	-59391	SLE QP 2	-43.6	Si
242	51584	-50467	-59282	SLE QP 2	-43.2	Si
272	55037	-45290	-59172	SLE QP 2	-42.8	Si
301	58491	-40114	-59062	SLE QP 2	-42.4	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
331	61944	-34937	-58951	SLE QP 2	-42	Si
360	65338	-29848	-58843	SLE QP 2	-41.6	Si
380	-54288	213879	-46041	SLE QP 2	-53.8	Si
409	-50010	182010	-45932	SLE QP 2	-49.9	Si
438	-45731	150140	-45823	SLE QP 2	-46.1	Si
467	-41453	118271	-45715	SLE QP 2	-42.2	Si
496	-37175	86401	-45606	SLE QP 2	-38.3	Si
525	-32896	54532	-45497	SLE QP 2	-34.4	Si
554	-28618	22662	-45388	SLE QP 2	-30.5	Si
583	-24339	-9207	-45280	SLE QP 2	-28.7	Si
612	-20061	-41077	-45171	SLE QP 2	-31.9	Si
641	-15782	-72946	-45062	SLE QP 2	-35	Si
670	-11577	-104266	-44955	SLE QP 2	-38.1	Si
690	69830	46940	-37958	SLE QP 2	-31.8	Si
719	58468	36158	-37850	SLE QP 2	-29.7	Si
748	47107	25377	-37741	SLE QP 2	-27.7	Si
777	35745	14595	-37632	SLE QP 2	-25.7	Si
806	24384	3813	-37523	SLE QP 2	-23.6	Si
835	13023	-6969	-37415	SLE QP 2	-23.2	Si
864	1661	-17750	-37306	SLE QP 2	-23.5	Si
893	-9700	-28532	-37197	SLE QP 2	-25.2	Si
922	-21062	-39314	-37088	SLE QP 2	-27.1	Si
951	-32423	-50096	-36980	SLE QP 2	-29	Si
980	-43785	-60878	-36871	SLE QP 2	-30.9	Si
1000	58028	80613	-29829	SLE QP 2	-30	Si
1029	46088	64364	-29722	SLE QP 2	-27.3	Si
1058	33938	47831	-29613	SLE QP 2	-24.6	Si
1087	21788	31297	-29504	SLE QP 2	-21.9	Si
1116	9638	14764	-29396	SLE QP 2	-19.2	Si
1145	-2511	-1770	-29287	SLE QP 2	-17.2	Si
1174	-14661	-18303	-29178	SLE QP 2	-19.8	Si
1203	-26811	-34837	-29069	SLE QP 2	-22.4	Si
1232	-38961	-51370	-28961	SLE QP 2	-25	Si
1261	-51110	-67904	-28852	SLE QP 2	-27.6	Si
1290	-63051	-84152	-28745	SLE QP 2	-30.1	Si
1310	37335	80214	-21558	SLE QP 2	-23.8	Si
1339	42323	62941	-21450	SLE QP 2	-22.2	Si
1368	47311	45668	-21341	SLE QP 2	-20.5	Si
1397	52298	28395	-21232	SLE QP 2	-18.9	Si
1426	57286	11122	-21123	SLE QP 2	-17.3	Si
1455	62273	-6151	-21015	SLE QP 2	-17	Si
1484	67261	-23424	-20906	SLE QP 2	-19.2	Si
1513	72249	-40697	-20797	SLE QP 2	-21.4	Si
1542	77236	-57970	-20688	SLE QP 2	-23.6	Si
1571	82224	-75243	-20580	SLE QP 2	-25.8	Si
1600	87126	-92218	-20473	SLE QP 2	-27.9	Si
1620	-59910	92131	-7773	SLE QP 2	-18.8	Si
1649	-60586	74228	-7664	SLE QP 2	-16.8	Si
1678	-61262	56325	-7556	SLE QP 2	-14.8	Si
1707	-61938	38422	-7447	SLE QP 2	-12.8	Si
1736	-62614	20520	-7338	SLE QP 2	-10.8	Si
1765	-63290	2617	-7229	SLE QP 2	-8.8	Si
1794	-63966	-15286	-7121	SLE QP 2	-10.2	Si
1823	-64642	-33189	-7012	SLE QP 2	-12.1	Si
1852	-65317	-51092	-6903	SLE QP 2	-14.1	Si
1881	-65993	-68995	-6794	SLE QP 2	-16.1	Si
1910	-66669	-86898	-6686	SLE QP 2	-18	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

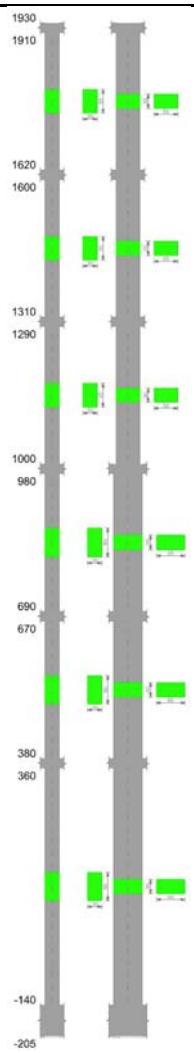
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.

Pilastro 45

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60_1	No	No	No	No		C30/37	B450C	
380	670	R 30x60_1	No	No	No	No		C30/37	B450C	
690	980	R 30x60_1	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	
1620	1910	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.9	8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.9	8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.10	-9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	-9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.11	-9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	-9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2	0	1,2	612298	612298	-225732	785458	785458	SLU 51	1.283	Si
-111	18.42	2	0	1,2	611839	611839	-225563	804436	804436	SLU 51	1.315	Si
-81	20.11	1.1	0	2	611372	611372	-225391	818158	818158	SLU 51	1.338	Si
-52	20.11	1.1	0	2	610906	610906	-225219	818158	818158	SLU 51	1.339	Si
-22	20.11	1.1	0	2	610439	610439	-225047	818158	818158	SLU 51	1.34	Si
7	20.11	1.1	0	2	609972	609972	-224875	818158	818158	SLU 51	1.341	Si
36	20.11	1.1	0	2	609505	609505	-224702	818158	818158	SLU 51	1.342	Si
66	20.11	1.1	0	2	609039	609039	-224530	818158	818158	SLU 51	1.343	Si
95	20.11	1.1	0	2	608572	608572	-224358	818158	818158	SLU 51	1.344	Si
125	20.11	1.1	0	2	608105	608105	-224186	818158	818158	SLU 51	1.345	Si
154	20.11	1.1	0	2	607639	607639	-224014	818158	818158	SLU 51	1.346	Si
184	20.11	1.1	0	2	607172	607172	-223842	818158	818158	SLU 51	1.347	Si
213	20.11	1.1	0	2	606701	606701	-223668	818158	818158	SLU 51	1.349	Si
242	20.11	1.1	0	2	606239	606239	-223498	818158	818158	SLU 51	1.35	Si
272	20.11	1.1	0	2	605772	605772	-223326	818158	818158	SLU 51	1.351	Si
301	20.11	1.1	0	2	605305	605305	-223154	818158	818158	SLU 51	1.352	Si
331	20.11	1.1	0	2	604838	604838	-222982	818158	818158	SLU 51	1.353	Si
360	20.11	1.1	0	2	604380	604380	-222813	818158	818158	SLU 51	1.354	Si
380	20.11	2.2	0	2,3	-416318	-369369	-184685	-726011	-644138	SLU 52	1.744	Si
409	20.11	2.2	0	2,3	-369782	-369782	-184891	-647491	-647491	SLU 51	1.751	Si
438	20.11	1.1	0	3	-369442	-369442	-184721	-647491	-647491	SLU 51	1.753	Si
467	20.11	1.1	0	3	-369103	-369103	-184552	-647491	-647491	SLU 51	1.754	Si
496	20.11	1.1	0	3	-368764	-368764	-184382	-647491	-647491	SLU 51	1.756	Si
525	20.11	1.1	0	3	-368425	-368425	-184212	-647491	-647491	SLU 51	1.757	Si
554	20.11	1.1	0	3	368085	-368085	-184043	647491	-647491	SLU 51	1.759	Si
583	20.11	1.1	0	3	367746	367746	-183873	647491	647491	SLU 51	1.761	Si
612	20.11	1.1	0	3	367407	367407	-183703	647491	647491	SLU 51	1.762	Si
641	20.11	1.1	0	3	367067	367067	-183534	647491	647491	SLU 51	1.764	Si
670	20.11	1.1	0	3	366728	366728	-183364	647491	647491	SLU 51	1.766	Si
690	20.11	2.2	0	3,4,6,7	-296655	-296655	-148327	-647491	-647491	SLU 51	2.183	Si
719	20.11	2.2	0	3,4,6,7	-296316	-296316	-148158	-647491	-647491	SLU 51	2.185	Si
748	20.11	1.1	0	4,6,7	-295976	-295976	-147988	-647491	-647491	SLU 51	2.188	Si
777	20.11	1.1	0	4,6,7	-295637	-295637	-147819	-647491	-647491	SLU 51	2.19	Si
806	20.11	1.1	0	4,6,7	295298	-295298	-147649	647491	-647491	SLU 51	2.193	Si
835	20.11	1.1	0	4,6,7	294958	-294958	-147479	647491	-647491	SLU 51	2.195	Si
864	20.11	1.1	0	4,6,7	294619	294619	-147310	647491	647491	SLU 51	2.198	Si
893	20.11	1.1	0	4,6,7	294280	294280	-147140	647491	647491	SLU 51	2.2	Si
922	20.11	1.1	0	4,6,7	293941	293941	-146970	647491	647491	SLU 51	2.203	Si
951	20.37	1.6	0	4,5,6,7	293601	293601	-146801	649217	649217	SLU 51	2.211	Si
980	27.42	2	0	4,5,6,7	293262	293262	-146631	695580	695580	SLU 51	2.372	Si
1000	20.11	2.4	0	5,6,7,8	-224696	-224696	-112348	-556148	-556148	SLU 51	2.475	Si
1029	17.8	2.4	0	5,6,7,8	-224418	-224418	-112209	-541580	-541580	SLU 51	2.413	Si
1058	16.08	1.1	0	8	-224135	-224135	-112067	-530708	-530708	SLU 51	2.368	Si
1087	16.08	1.1	0	8	-223852	-223852	-111926	-530708	-530708	SLU 51	2.371	Si
1116	16.08	1.1	0	8	-223569	-223569	-111785	-530708	-530708	SLU 51	2.374	Si
1145	16.08	1.1	0	8	223287	-223287	-111643	530708	-530708	SLU 51	2.377	Si
1174	16.08	1.1	0	8	223004	223004	-111502	530708	530708	SLU 51	2.38	Si
1203	16.08	1.1	0	8	222721	222721	-111361	530708	530708	SLU 51	2.383	Si
1232	16.08	1.1	0	8	222438	222438	-111219	530708	530708	SLU 51	2.386	Si
1261	16.08	1.1	0	8	222156	222156	-111078	530708	530708	SLU 51	2.389	Si
1290	16.08	1.1	0	8	221873	221873	-110936	530708	530708	SLU 51	2.392	Si
1310	16.08	2.1	0	8,9	-185220	-154812	-77406	-627326	-524335	SLU 51	3.387	Si
1339	16.08	2.1	0	8,9	-154534	-154534	-77267	-530708	-530708	SLU 51	3.434	Si
1368	16.08	1.1	0	9	-154251	-154251	-77126	-530708	-530708	SLU 51	3.441	Si
1397	16.08	1.1	0	9	-153968	-153968	-76984	-530708	-530708	SLU 51	3.447	Si
1426	16.08	1.1	0	9	-153686	-153686	-76843	-530708	-530708	SLU 51	3.453	Si
1455	16.08	1.1	0	9	-153403	153403	-76701	-530708	530708	SLU 51	3.46	Si
1484	16.08	1.1	0	9	153120	153120	-76560	530708	530708	SLU 51	3.466	Si
1513	16.08	1.1	0	9	152837	152837	-76419	530708	530708	SLU 51	3.472	Si
1542	16.08	1.1	0	9	152555	152555	-76277	530708	530708	SLU 51	3.479	Si
1571	16.08	1.1	0	9	152272	152272	-76136	530708	530708	SLU 51	3.485	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1600	16.08	1.1	0	9	166041	151989	-75995	576646	527847	SLU 51	3.473	Si
1620	16.08	2.1	0	9,10,11	-237321	-85469	-42734	-1269627	-457242	SLU 51	5.35	Si
1649	16.08	2.1	0	9,10,11	-182296	-85191	-42595	-1038854	-485478	SLU 51	5.699	Si
1678	16.08	1.1	0	10,11	-126306	-84908	-42454	-764001	-513594	SLU 51	6.049	Si
1707	16.08	1.1	0	10,11	-84625	-84625	-42313	-530708	-530708	SLU 51	6.271	Si
1736	16.08	1.1	0	10,11	-84343	-84343	-42171	-530708	-530708	SLU 51	6.292	Si
1765	16.08	1.1	0	10,11	84060	-84060	-42030	530708	-530708	SLU 51	6.313	Si
1794	16.08	1.1	0	10,11	97657	-83777	-41889	612408	-525369	SLU 51	6.271	Si
1823	16.08	1.1	0	10,11	153647	-83494	-41747	917981	-498845	SLU 51	5.975	Si
1852	16.08	1.1	0	10,11	209638	-83212	-41606	1179958	-468361	SLU 51	5.629	Si
1881	16.08	1.1	0	10,11	265628	-82929	-41464	1402245	-437779	SLU 51	5.279	Si
1910	16.08	1.1	0	10,11	321619	-82646	-41323	1588635	-408230	SLU 51	4.939	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	16.08	2	0	1,2	1353823	261340	-150918	-2.02	1.92	1871015	361178	SLV 3	1.382				Si
-111	18.42	2	0	1,2	1250956	239915	-150788	-2.02	1.92	1834214	351776	SLV 3	1.466				Si
-81	20.11	1.1	0	2	1146322	218126	-150656	-2.02	1.92	1775103	337772	SLV 3	1.549				Si
-52	20.11	1.1	0	2	1041707	196345	-150523	-2.02	1.92	1681465	316930	SLV 3	1.614				Si
-22	20.11	1.1	0	2	937114	174578	-150391	-2.02	1.92	1576601	293710	SLV 3	1.682				Si
7	20.11	1.1	0	2	832554	152828	-150259	-2.02	1.92	1460877	268166	SLV 3	1.755				Si
36	20.11	1.1	0	2	728041	131106	-150126	-2.02	1.92	1334703	240353	SLV 3	1.833				Si
66	20.11	1.1	0	2	623607	109432	-149994	-2.02	1.92	1196788	210016	SLV 3	1.919				Si
95	20.11	1.1	0	2	519298	87845	-149862	-2.02	1.92	1045476	176854	SLV 3	2.013				Si
125	20.11	1.1	0	2	415223	66444	-149729	-2.02	1.92	878880	140638	SLV 3	2.117				Si
154	20.11	1.1	0	2	240503	61058	-152515	-2.02	1.92	519230	131820	SLV 7	2.159				Si
184	20.11	1.1	0	2	110329	32000	-152383	-2.02	1.92	238401	69146	SLV 7	2.161				Si
213	20.11	1.1	0	2	46229	-11477	-152249	-2.02	1.92	99979	-24821	SLV 7	2.163				Si
242	20.11	1.1	0	2	-350	-37265	-152118	-2.02	1.92	-758	-80663	SLV 7	2.165				Si
272	20.11	1.1	0	2	-74032	-67070	-151986	-2.02	1.92	-160387	-145304	SLV 7	2.166				Si
301	20.11	1.1	0	2	-148962	-97578	-151853	-2.02	1.92	-323001	-211581	SLV 7	2.168				Si
331	20.11	1.1	0	2	-224924	-128311	-151721	-2.02	1.92	-485645	-277044	SLV 7	2.159				Si
360	20.11	1.1	0	2	-299899	-158610	-151591	-2.02	1.92	-619273	-327520	SLV 7	2.065				Si
380	20.11	2.2	0	2,3	-192804	176809	-125792	-2.02	1.92	-473273	434010	SLV 7	2.455				Si
409	20.11	2.2	0	2,3	-156960	142534	-125662	-2.02	1.92	-401914	364974	SLV 7	2.561				Si
438	20.11	1.1	0	3	-121501	108480	-125531	-2.02	1.92	-318700	284545	SLV 7	2.623				Si
467	20.11	1.1	0	3	-86875	74926	-125401	-2.02	1.92	-228113	196738	SLV 7	2.626				Si
496	20.11	1.1	0	3	-54286	42924	-125270	-2.02	1.92	-142689	112825	SLV 7	2.628				Si
525	20.11	1.1	0	3	-58465	19874	-125140	-2.02	1.92	-153834	52292	SLV 7	2.631				Si
554	20.11	1.1	0	3	-64986	-44158	-125009	-2.02	1.92	-171172	-116310	SLV 7	2.634				Si
583	20.11	1.1	0	3	-77706	-72394	-124879	-2.02	1.92	-204889	-190884	SLV 7	2.637				Si
612	20.11	1.1	0	3	-95668	-105188	-124748	-2.02	1.92	-252514	-277641	SLV 7	2.639				Si
641	20.11	1.1	0	3	-115611	-138973	-124618	-2.02	1.92	-303810	-365202	SLV 7	2.628				Si
670	20.11	1.1	0	3	365410	-120246	-120196	-2.02	1.92	905569	-297998	SLV 11	2.478				Si
690	20.11	2.2	0	3,4,6,7	237998	185154	-100376	-2.02	1.92	675895	525824	SLV 7	2.84				Si
719	20.11	2.2	0	3,4,6,7	196818	148621	-100245	-2.02	1.92	589716	445306	SLV 7	2.996				Si
748	20.11	1.1	0	4,6,7	156388	112432	-100115	-2.02	1.92	495518	356242	SLV 7	3.169				Si
777	20.11	1.1	0	4,6,7	117752	77073	-99984	-2.02	1.92	387783	253818	SLV 7	3.293				Si
806	20.11	1.1	0	4,6,7	85105	44615	-99854	-2.02	1.92	280636	147119	SLV 7	3.298				Si
835	20.11	1.1	0	4,6,7	49294	-21106	-99723	-2.02	1.92	162760	-69688	SLV 7	3.302				Si
864	20.11	1.1	0	4,6,7	61725	-49548	-99593	-2.02	1.92	204073	-163812	SLV 7	3.306				Si
893	20.11	1.1	0	4,6,7	93950	-81818	-99462	-2.02	1.92	311021	-270860	SLV 7	3.31				Si
922	20.11	1.1	0	4,6,7	262364	-82788	-95884	-2.02	1.92	837854	-264383	SLV 11	3.193				Si
951	20.37	1.6	0	4,5,6,7	-153540	-153296	-99201	-2.02	1.92	-472205	-471455	SLV 7	3.075				Si
980	27.42	2	0	4,5,6,7	562765	171382	-80684	-2.02	1.92	1714208	522037	SLV 13	3.046				Si
1000	20.11	2.4	0	5,6,7,8	-387316	-155772	-61519	-2.02	1.92	-1166922	-469316	SLV 13	3.013				Si
1029	17.8	2.4	0	5,6,7,8	-307983	-125471	-61412	-2.02	1.92	-1010560	-411699	SLV 13	3.281				Si
1058	16.08	1.1	0	8	92931	95064	-75366	-2.02	1.92	320270	327619	SLV 7	3.446				Si
1087	16.08	1.1	0	8	67842	62383	-75258	-2.02	1.92	244991	225278	SLV 7	3.611				Si
1116	16.08	1.1	0	8	24381	21634	-75149	-2.02	1.92	88171	78237	SLV 7	3.616				Si
1145	16.08	1.1	0	8	-47511	-30023	-75040	-2.02	1.92	-172069	-108732	SLV 7	3.622				Si
1174	16.08	1.1	0	8	-55007	-52051	-74931	-2.02	1.92	-199504	-188783	SLV 7	3.627				Si
1203	16.08	1.1	0	8	-77416	-83525	-74823	-2.02	1.92	-275926	-297699	SLV 7	3.564				Si
1232	16.08	1.1	0	8	-104019	-116700	-74714	-2.02	1.92	-347860	-390269	SLV 7	3.344				Si
1261	16.08	1.1	0	8	370656	131113	-60542	-2.02	1.92	1135253	401577	SLV 13	3.063				Si
1290	16.08	1.1	0	8	451970	162006	-60434	-2.02	1.92	1240592	444682	SLV 13	2.745				Si
1310	16.08	2.1	0	8,9	-488346	-171962	-41761	-2.02	1.92	-1382831	-486937	SLV 13	2.832				Si
1339	16.08	2.1	0	8,9	-395697	-139024	-41655	-2.02	1.92	-1341670	-471381	SLV 13	3.391				Si
1368	16.08	1.1	0	9	-301868	-105770	-41546	-2.02	1.92	-1231628	-431544	SLV 13	4.08				Si
1397	16.08	1.1	0	9	-209116	-73126	-41437	-2.02	1.92	-1020043	-356703	SLV 13	4.878				Si
1426	16.08	1.1	0	9	50282	31162	-51054	-2.02	1.92	267663	165879	SLV 7	5.323				Si
1455	16.08	1.1	0	9	12743	-22818	-50945	-2.02	1.92	67977	-121726	SLV 7	5.335				Si
1484	16.08	1.1	0	9	14317	-40311	-50836	-2.02	1.92	76536	-215500	SLV 7	5.346				Si
1513	16.08	1.1	0	9	-79239	-67866	-50727	-2.02	1.92	-395147	-338433	SLV 7	4.987				Si
1542	16.08	1.1	0	9	277708	103907	-40893	-2.02	1.92	1181297	441994	SLV 13	4.254				Si
1571	16.08	1.1	0	9	371412	137057	-40785	-2.02	1.92	1311654	484022	SLV 13	3.532				Si
1600	16.08	1.1	0	9	465630	170524	-40676	-2.02	1.92	1363951	499509	SLV 13	2.929				Si
1620	16.08	2.1	0	9,10,11	-492843	-148087	-22076	-2.02	1.92	-1406615	-422652	SLV 13	2.854				Si
1649	16.08	2.1	0	9,10,11	-374055	-117489	-21969	-2.02	1.92	-1423232	-447030	SLV 13	3.805				Si
1678	16.08	1.1	0	10,11	-253380	-86484	-21861	-2.02	1.92	-1394626	-476013	SLV 13	5.504				Si
1707	16.08	1.1	0	10,11	-110675	-44717	-21101	-2.02	1.92	-1021904	-412888	SLV 9	9.233				Si
1736	16.08	1.1	0	10,11	-13497	-28277	-27252	-2.02	1.92	-134597	-281987	SLV 7	9.972				Si
1765	16.08	1.1	0	10,11	-47346	-67833	-27143	-2.02	1.92	-392140	-561821	SLV 7	8.282				Si
1794	16.08	1.1	0	10,11	-84861	-114795	-27035	-2.02	1.92	-570092	-771185	SLV 7	6.718				Si
1823	16.08	1.1	0	10,11	353933	71417	-21317	-2.02	1.92	1594561	321752	SLV 13	4.505				Si
1852	16.08	1.1	0	10,11	474801	102518	-21208	-2.02	1.92	1539113	332321	SLV 13	3.242				Si
1881	16.08	1.1	0	10,11	595750	133692	-21099	-2.02	1.92	1467834	329396	SLV 13	2.464				Si
1910	16.08	1.1	0	10,11	716739	164901	-20991	-2.02	1.92	1304887	300217	SLV 13	1.821				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2	0	1,2	595781	111708	-143529	1150998	215811	SLD 3	1.932	Si
-111	18.42	2	0	1,2	552906	102978	-143399	1112057	207120	SLD 3	2.011	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-81	20.11	1.1	0	2	509297	94101	-143267	1061458	196122	SLD 3	2.084	Si
-52	20.11	1.1	0	2	465698	85229	-143135	991963	181541	SLD 3	2.13	Si
-22	20.11	1.1	0	2	422113	76363	-143002	919360	166319	SLD 3	2.178	Si
7	20.11	1.1	0	2	378547	67508	-142870	843443	150415	SLD 3	2.228	Si
36	20.11	1.1	0	2	335008	58669	-142737	763999	133797	SLD 3	2.281	Si
66	20.11	1.1	0	2	230788	66586	-143717	528758	152554	SLD 7	2.291	Si
95	20.11	1.1	0	2	198391	54242	-143585	454951	124388	SLD 7	2.293	Si
125	20.11	1.1	0	2	166097	42010	-143453	381245	96427	SLD 7	2.295	Si
154	20.11	1.1	0	2	134071	30167	-143320	308021	69307	SLD 7	2.297	Si
184	20.11	1.1	0	2	80920	18916	-143188	186081	43498	SLD 7	2.3	Si
213	20.11	1.1	0	2	53365	-77	-143054	122832	-177	SLD 7	2.302	Si
242	20.11	1.1	0	2	31130	-10303	-142923	71718	-23735	SLD 7	2.304	Si
272	20.11	1.1	0	2	-332	-22189	-142791	-766	-51168	SLD 7	2.306	Si
301	20.11	1.1	0	2	-31997	-34421	-142658	-73852	-79447	SLD 7	2.308	Si
331	20.11	1.1	0	2	-64178	-46771	-142526	-148268	-108052	SLD 7	2.31	Si
360	20.11	1.1	0	2	-95971	-58958	-142396	-221919	-136331	SLD 7	2.312	Si
380	20.11	2.2	0	2,3	-155202	30764	-118160	-432496	85729	SLD 7	2.787	Si
409	20.11	2.2	0	2,3	-126330	23450	-118029	-352427	65419	SLD 7	2.79	Si
438	20.11	1.1	0	3	-97654	16271	-117899	-272731	45441	SLD 7	2.793	Si
467	20.11	1.1	0	3	-69385	9394	-117768	-193995	26264	SLD 7	2.796	Si
496	20.11	1.1	0	3	-42020	3430	-117638	-117616	9601	SLD 7	2.799	Si
525	20.11	1.1	0	3	-31914	1867	-117507	-89428	5231	SLD 7	2.802	Si
554	20.11	1.1	0	3	-19772	-21524	-117377	-55465	-60381	SLD 7	2.805	Si
583	20.11	1.1	0	3	-8885	-25892	-117246	-24953	-72715	SLD 7	2.808	Si
612	20.11	1.1	0	3	-362	-32403	-117116	-1017	-91102	SLD 7	2.811	Si
641	20.11	1.1	0	3	7170	-39449	-116985	20181	-111035	SLD 7	2.815	Si
670	20.11	1.1	0	3	139608	-46701	-116855	393384	-131593	SLD 7	2.818	Si
690	20.11	2.2	0	3,4,6,7	-239680	-88478	-86864	-832324	-307254	SLD 13	3.473	Si
719	20.11	2.2	0	3,4,6,7	45677	44709	-94203	159656	156273	SLD 7	3.495	Si
748	20.11	1.1	0	4,6,7	41893	33861	-94072	146633	118520	SLD 7	3.5	Si
777	20.11	1.1	0	4,6,7	39066	23472	-93942	136927	82269	SLD 7	3.505	Si
806	20.11	1.1	0	4,6,7	39115	14556	-93811	137290	51091	SLD 7	3.51	Si
835	20.11	1.1	0	4,6,7	35165	-11546	-93681	123598	-40580	SLD 7	3.515	Si
864	20.11	1.1	0	4,6,7	50580	-19448	-93550	178028	-68451	SLD 7	3.52	Si
893	20.11	1.1	0	4,6,7	74379	-28154	-93420	262159	-99231	SLD 7	3.525	Si
922	20.11	1.1	0	4,6,7	95110	-38483	-93289	335696	-135828	SLD 7	3.53	Si
951	20.37	1.6	0	4,5,6,7	33	-49308	-93159	118	-174826	SLD 7	3.546	Si
980	27.42	2	0	4,5,6,7	292373	81071	-85559	1077578	298798	SLD 13	3.686	Si
1000	20.11	2.4	0	5,6,7,8	-206851	-76123	-65213	-772333	-284224	SLD 13	3.734	Si
1029	17.8	2.4	0	5,6,7,8	-165200	-61663	-65107	-639240	-238605	SLD 13	3.869	Si
1058	16.08	1.1	0	8	10555	30341	-70792	40521	116478	SLD 7	3.839	Si
1087	16.08	1.1	0	8	12103	20051	-70684	46535	77094	SLD 7	3.845	Si
1116	16.08	1.1	0	8	4676	6248	-70575	18006	24061	SLD 7	3.851	Si
1145	16.08	1.1	0	8	-18558	-13791	-70466	-71572	-53188	SLD 7	3.857	Si
1174	16.08	1.1	0	8	-8632	-18953	-70357	-33341	-73209	SLD 7	3.863	Si
1203	16.08	1.1	0	8	-5343	-28541	-70249	-20670	-110417	SLD 7	3.869	Si
1232	16.08	1.1	0	8	-4298	-39015	-70140	-16655	-151169	SLD 7	3.875	Si
1261	16.08	1.1	0	8	192499	60676	-64237	721676	227472	SLD 13	3.749	Si
1290	16.08	1.1	0	8	235140	75402	-64128	833816	267379	SLD 13	3.546	Si
1310	16.08	2.1	0	8,9	-261844	-90160	-44280	-1119488	-385472	SLD 13	4.275	Si
1339	16.08	2.1	0	8,9	-213091	-72848	-44173	-994815	-340091	SLD 13	4.669	Si
1368	16.08	1.1	0	9	-163703	-55349	-44064	-837252	-283078	SLD 13	5.114	Si
1397	16.08	1.1	0	9	-114828	-38118	-43956	-648103	-215140	SLD 13	5.644	Si
1426	16.08	1.1	0	9	8923	8935	-47902	50627	50691	SLD 7	5.673	Si
1455	16.08	1.1	0	9	3320	-9472	-47793	18881	-53858	SLD 7	5.686	Si
1484	16.08	1.1	0	9	14172	-11635	-47684	80771	-66314	SLD 7	5.699	Si
1513	16.08	1.1	0	9	-10994	-18195	-47576	-62800	-103937	SLD 7	5.712	Si
1542	16.08	1.1	0	9	141391	54244	-43412	753531	289088	SLD 13	5.329	Si
1571	16.08	1.1	0	9	190632	71690	-43303	927673	348865	SLD 13	4.866	Si
1600	16.08	1.1	0	9	240173	89281	-43194	1069850	397701	SLD 13	4.455	Si
1620	16.08	2.1	0	9,10,11	-280741	-63376	-23494	-1541429	-347972	SLD 13	5.491	Si
1649	16.08	2.1	0	9,10,11	-214247	-52978	-23387	-1428694	-353280	SLD 13	6.668	Si
1678	16.08	1.1	0	10,11	-146686	-42457	-23278	-1187180	-343621	SLD 13	8.093	Si
1707	16.08	1.1	0	10,11	-69479	-27066	-22933	-714145	-278202	SLD 9	10.279	Si
1736	16.08	1.1	0	10,11	-10433	-22605	-25421	-111534	-241670	SLD 7	10.691	Si
1765	16.08	1.1	0	10,11	-5675	-40072	-25312	-59350	-419105	SLD 7	10.459	Si
1794	16.08	1.1	0	10,11	103447	-17215	-23489	992440	-165157	SLD 15	9.594	Si
1823	16.08	1.1	0	10,11	193151	11507	-22734	1548908	92277	SLD 13	8.019	Si
1852	16.08	1.1	0	10,11	260805	22069	-22626	1707579	144491	SLD 13	6.547	Si
1881	16.08	1.1	0	10,11	328502	32666	-22517	1751458	174164	SLD 13	5.332	Si
1910	16.08	1.1	0	10,11	396221	43281	-22408	1744535	190563	SLD 13	4.403	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-176	-137589	SLU 29	15366	51797	52691	2.35	295.04	-2267	-212315	SLU 46	15029	39680	40763	2.05	17.5	Si
-111	5X/2Y Ø8/10	-176	-137419	SLU 29	15366	51797	52691	2.35	295.04	-2267	-212146	SLU 46	15029	39680	40831	2.05	17.5	Si
-81	5X/2Y Ø8/10	-176	-137247	SLU 29	15366	51797	52691	2.35	295.04	-2267	-211974	SLU 46	15029	39680	40901	2.05	17.5	Si
-52	5X/2Y Ø8/10	-176	-137075	SLU 29	15366	51797	52691	2.35	295.04	-2267	-211802	SLU 46	15029	39680	40970	2.05	17.5	Si
-22	5X/2Y Ø8/14.7	-176	-136903	SLU 29	15366	37388	50429	2.5	212.96	-2411	-136903	SLU 29	15029	32833	55356	2.5	13.62	Si
7	5X/2Y Ø8/14.7	-176	-136731	SLU 29	15366	37388	50429	2.5	212.96	-2411	-136731	SLU 29	15029	32833	55356	2.5	13.62	Si
36	5X/2Y Ø8/14.7	-176	-136559	SLU 29	15366	37388	50429	2.5	212.96	-2411	-136559	SLU 29	15029	32833	55356	2.5	13.62	Si
66	5X/2Y Ø8/14.7	-176	-136387	SLU 29	15366	37388	50429	2.5	212.96	-2411	-136387	SLU 29	15029	32833	55356	2.5	13.62	Si
95	5X/2Y Ø8/14.7	-176	-136215	SLU 29	15366	37388	50429	2.5	212.96	-2411	-136215	SLU 29	15029	32833	55356	2.5	13.62	Si
125	5X/2Y Ø8/14.7	-176	-136043	SLU 29	15366	37388	50429	2.5	212.96	-2411	-136043	SLU 29	15029	32833	55356	2.5	13.62	Si
154	5X/2Y Ø8/14.7	-176	-135871	SLU 29	15366	37388	50429	2.5	212.96	-2411	-135871	SLU 29	15029	32833	55356	2.5	13.62	Si
184	5X/2Y Ø8/14.7	-176	-135699	SLU 29	15366	37388	50429	2.5	212.96	-2411	-135699	SLU 29	15029	32833	55356	2.5	13.62	Si
213	5X/2Y Ø8/14.7	-176	-135525	SLU 29	15366	37388	50429	2.5	212.96	-2411	-135525	SLU 29	15029	32833	55356	2.5	13.62	Si
242	5X/2Y Ø8/10	-176	-135355	SLU 29	15366	51792	52691	2.35	295.01	-2267	-210081	SLU 46	15029	40644	41044	2.1	17.93	Si
272	5X/2Y Ø8/10	-176	-135183	SLU 29	15366	51792	52691	2.35	295.01	-2267	-209909	SLU 46	15029	40644	41113	2.1	17.93	Si
301	5X/2Y Ø8/10	-176	-135011	SLU 29	15366	51792	52691	2.35	295.01	-2267	-209737	SLU 46	15029	40644	41181	2.1	17.93	Si
331	5X/2Y Ø8/10	-176	-134839	SLU 29	15366	51792	52691	2.35	295.01	-2267	-209565	SLU 46	15029	40644	41250	2.1	17.93	Si
360	5X/2Y Ø8/10	-176	-134669	SLU 29	15366	51792	52691	2.35	295.01	-2267	-209396	SLU 46	15029	40644	41317	2.1	17.93	Si
380	5X/2Y Ø8/10	718	-184030	SLU 50	15366	46282	46833	2.1	64.48	2457	-172786	SLU 45	15029	48385	49643	2.5	19.69	Si
409	5X/2Y Ø8/10	718	-183860	SLU 50	15366	46282	46895	2.1	64.48	2457	-172617	SLU 45	15029	48385	49703	2.5	19.69	Si
438	5X/2Y Ø8/10	718	-183691	SLU 50	15366	46282	46956	2.1	64.48	2457	-172447	SLU 45	15029	48385	49763	2.5	19.69	Si
467	5X/2Y Ø8/14.4	757	-167270	SLU 24	15366	38145	47000	2.5	50.36	2457	-172277	SLU 45	15029	33497	49823	2.5	13.63	Si
496	5X/2Y Ø8/14.4	757	-167140	SLU 24	15366	38145	47042	2.5	50.36	2457	-172108	SLU 45	15029	33497	49883	2.5	13.63	Si
525	5X/2Y Ø8/14.4	757	-167009	SLU 24	15366	38145	47084	2.5	50.36	2457	-171938	SLU 45	15029	33497	49943	2.5	13.63	Si
554	5X/2Y Ø8/14.4	757	-166879	SLU 24	15366	38145	47126	2.5	50.36	2457	-171768	SLU 45	15029	33497	50003	2.5	13.63	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
583	5X/2Y Ø8/14.4	757	-166748	SLU 24	15366	38145	47168	2.5	50.36	2457	-171599	SLU 45	15029	33497	50063	2.5	13.63	Si
612	5X/2Y Ø8/10	718	-182673	SLU 50	15366	46282	47325	2.1	64.48	2457	-171429	SLU 45	15029	48385	50123	2.5	19.69	Si
641	5X/2Y Ø8/10	718	-182503	SLU 50	15366	46282	47387	2.1	64.48	2457	-171259	SLU 45	15029	48385	50183	2.5	19.69	Si
670	5X/2Y Ø8/10	718	-182334	SLU 50	15366	46282	47448	2.1	64.48	2457	-171090	SLU 45	15029	48385	50243	2.5	19.69	Si
690	5X/2Y Ø8/10	453	-134243	SLU 24	15366	51792	52691	2.35	114.21	1229	-147691	SLU 49	15029	48385	55356	2.5	39.36	Si
719	5X/2Y Ø8/10	453	-134112	SLU 24	15366	51792	52691	2.35	114.21	1229	-147522	SLU 49	15029	48385	55356	2.5	39.36	Si
748	5X/2Y Ø8/10	453	-133982	SLU 24	15366	51792	52691	2.35	114.21	1229	-147352	SLU 49	15029	48385	55356	2.5	39.36	Si
777	5X/2Y Ø8/14.4	453	-133851	SLU 24	15366	38145	50429	2.5	84.12	1229	-147182	SLU 49	15029	33497	55356	2.5	27.25	Si
806	5X/2Y Ø8/14.4	453	-133721	SLU 24	15366	38145	50429	2.5	84.12	1229	-147013	SLU 49	15029	33497	55356	2.5	27.25	Si
835	5X/2Y Ø8/14.4	453	-133590	SLU 24	15366	38145	50429	2.5	84.12	1229	-146843	SLU 49	15029	33497	55356	2.5	27.25	Si
864	5X/2Y Ø8/14.4	453	-133460	SLU 24	15366	38145	50429	2.5	84.12	1229	-146673	SLU 49	15029	33497	55356	2.5	27.25	Si
893	5X/2Y Ø8/14.4	453	-133329	SLU 24	15366	38145	50429	2.5	84.12	1229	-146504	SLU 49	15029	33497	55356	2.5	27.25	Si
922	5X/2Y Ø8/10	453	-133199	SLU 24	15366	51792	52691	2.35	114.21	1229	-146334	SLU 49	15029	48385	55356	2.5	39.36	Si
951	5X/2Y Ø8/10	453	-133068	SLU 24	15366	51792	52691	2.35	114.21	1229	-146164	SLU 49	15029	48385	55356	2.5	39.36	Si
980	5X/2Y Ø8/10	453	-132938	SLU 24	15366	51792	52691	2.35	114.21	1229	-145995	SLU 49	15029	48385	55356	2.5	39.36	Si
1000	4X/2Y Ø8/10	376	-101568	SLU 24	12805	42315	43268	2.4	112.48	1153	-111479	SLU 50	12600	39534	45230	2.5	34.28	Si
1029	4X/2Y Ø8/10	376	-101461	SLU 24	12805	42315	43268	2.4	112.48	1153	-111341	SLU 50	12600	39534	45230	2.5	34.28	Si
1058	4X/2Y Ø8/10	376	-101353	SLU 24	12805	42315	43268	2.4	112.48	1153	-111199	SLU 50	12600	39534	45230	2.5	34.28	Si
1087	4X/2Y Ø8/14.4	376	-101244	SLU 24	12805	30516	42024	2.5	81.11	1153	-111058	SLU 50	12600	27370	45230	2.5	23.73	Si
1116	4X/2Y Ø8/14.4	376	-101135	SLU 24	12805	30516	42024	2.5	81.11	1153	-110916	SLU 50	12600	27370	45230	2.5	23.73	Si
1145	4X/2Y Ø8/14.4	376	-101026	SLU 24	12805	30516	42024	2.5	81.11	1153	-110775	SLU 50	12600	27370	45230	2.5	23.73	Si
1174	4X/2Y Ø8/14.4	376	-100918	SLU 24	12805	30516	42024	2.5	81.11	1153	-110634	SLU 50	12600	27370	45230	2.5	23.73	Si
1203	4X/2Y Ø8/14.4	376	-100809	SLU 24	12805	30516	42024	2.5	81.11	1153	-110492	SLU 50	12600	27370	45230	2.5	23.73	Si
1232	4X/2Y Ø8/10	376	-100700	SLU 24	12805	42315	43268	2.4	112.48	1153	-110351	SLU 50	12600	39534	45230	2.5	34.28	Si
1261	4X/2Y Ø8/10	376	-100591	SLU 24	12805	42315	43268	2.4	112.48	1153	-110210	SLU 50	12600	39534	45230	2.5	34.28	Si
1290	4X/2Y Ø8/10	376	-100483	SLU 24	12805	42315	43268	2.4	112.48	1153	-110068	SLU 50	12600	39534	45230	2.5	34.28	Si
1310	4X/2Y Ø8/10	538	-70399	SLU 26	12805	42315	43268	2.4	78.66	1218	-76810	SLU 49	12600	39534	45230	2.5	32.45	Si
1339	4X/2Y Ø8/10	538	-70292	SLU 26	12805	42315	43268	2.4	78.66	1218	-76671	SLU 49	12600	39534	45230	2.5	32.45	Si
1368	4X/2Y Ø8/10	538	-70184	SLU 26	12805	42315	43268	2.4	78.66	1218	-76529	SLU 49	12600	39534	45230	2.5	32.45	Si
1397	4X/2Y Ø8/14.4	538	-70075	SLU 26	12805	30516	42024	2.5	56.73	1218	-76388	SLU 49	12600	27370	45230	2.5	22.47	Si
1426	4X/2Y Ø8/14.4	538	-69966	SLU 26	12805	30516	42024	2.5	56.73	1218	-76246	SLU 49	12600	27370	45230	2.5	22.47	Si
1455	4X/2Y Ø8/14.4	538	-69857	SLU 26	12805	30516	42024	2.5	56.73	1218	-76105	SLU 49	12600	27370	45230	2.5	22.47	Si
1484	4X/2Y Ø8/14.4	538	-69749	SLU 26	12805	30516	42024	2.5	56.73	1218	-75964	SLU 49	12600	27370	45230	2.5	22.47	Si
1513	4X/2Y Ø8/14.4	538	-69640	SLU 26	12805	30516	42024	2.5	56.73	1218	-75822	SLU 49	12600	27370	45230	2.5	22.47	Si
1542	4X/2Y Ø8/10	538	-69531	SLU 26	12805	42315	43268	2.4	78.66	1218	-75681	SLU 49	12600	39534	45230	2.5	32.45	Si
1571	4X/2Y Ø8/10	538	-69422	SLU 26	12805	42315	43268	2.4	78.66	1218	-75540	SLU 49	12600	39534	45230	2.5	32.45	Si
1600	4X/2Y Ø8/10	538	-69314	SLU 26	12805	42315	43268	2.4	78.66	1218	-75398	SLU 49	12600	39534	45230	2.5	32.45	Si
1620	4X/2Y Ø8/10	-473	-33129	SLU 34	10430	39671	40777	2.25	83.84	1931	-42734	SLU 51	11331	39534	42108	2.5	20.48	Si
1649	4X/2Y Ø8/10	-473	-32990	SLU 34	10413	39671	40757	2.25	83.84	1931	-42595	SLU 51	11312	39534	42089	2.5	20.48	Si
1678	4X/2Y Ø8/10	-473	-32849	SLU 34	10395	39671	40738	2.25	83.84	1931	-42454	SLU 51	11293	39534	42069	2.5	20.48	Si
1707	4X/2Y Ø8/14.4	-473	-32707	SLU 34	10377	30516	37832	2.5	64.49	1931	-42313	SLU 51	11274	27370	42049	2.5	14.18	Si
1736	4X/2Y Ø8/14.4	-473	-32566	SLU 34	10360	30516	37814	2.5	64.49	1931	-42171	SLU 51	11255	27370	42030	2.5	14.18	Si
1765	4X/2Y Ø8/14.4	-473	-32424	SLU 34	10342	30516	37796	2.5	64.49	1931	-42030	SLU 51	11237	27370	42010	2.5	14.18	Si
1794	4X/2Y Ø8/14.4	-473	-32283	SLU 34	10325	30516	37777	2.5	64.49	1931	-41889	SLU 51	11218	27370	41991	2.5	14.18	Si
1823	4X/2Y Ø8/14.4	-473	-32142	SLU 34	10307	30516	37759	2.5	64.49	1931	-41747	SLU 51	11199	27370	41971	2.5	14.18	Si
1852	4X/2Y Ø8/10	-473	-32000	SLU 34	10289	39671	40620	2.25	83.84	1931	-41606	SLU 51	11180	39534	41951	2.5	20.48	Si
1881	4X/2Y Ø8/10	-473	-31859	SLU 34	10272	39671	40601	2.25	83.84	1931	-41464	SLU 51	11161	39534	41932	2.5	20.48	Si
1910	4X/2Y Ø8/10	-473	-31718	SLU 34	10254	39671	40581	2.25	83.84	1931	-41323	SLU 51	11142	39534	41912	2.5	20.48	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-1053	-153836	SLV 7	15366	51797	52691	2.35	49.17	-3560	-150918	SLV 3	15029	48390	55356	2.5	13.59	Si
-111	5X/2Y Ø8/10	-1053	-153706	SLV 7	15366	51797	52691	2.35	49.17	-3560	-150788	SLV 3	15029	48390	55356	2.5	13.59	Si
-81	5X/2Y Ø8/10	-1053	-153574	SLV 7	15366	51797	52691	2.35	49.17	-3560	-150656	SLV 3	15029	48390	55356	2.5	13.59	Si
-52	5X/2Y Ø8/10	-1053	-153442	SLV 7	15366	51797	52691	2.35	49.17	-3560	-150523	SLV 3	15029	48390	55356	2.5	13.59	Si
-22	5X/2Y Ø8/14.7	-1053	-153309	SLV 7	15366	37388	50429	2.5	35.49	-3560	-150391	SLV 3	15029	32833	55356	2.5	9.22	Si
7	5X/2Y Ø8/14.7	-1053	-153177	SLV 7	15366	37388	50429	2.5	35.49	-3560	-150259	SLV 3	15029	32833	55356	2.5	9.22	Si
36	5X/2Y Ø8/14.7	-1053	-153045	SLV 7	15366	37388	50429	2.5	35.49	-3560	-150126	SLV 3	15029	32833	55356	2.5	9.22	Si
66	5X/2Y Ø8/14.7	-1053	-152912	SLV 7	15366	37388	50429	2.5	35.49	-3560	-149994	SLV 3	15029	32833	55356	2.5	9.22	Si
95	5X/2Y Ø8/14.7	-1053	-152780	SLV 7	15366	37388	50429	2.5	35.49	-3560	-149862	SLV 3	15029	32833	55356	2.5	9.22	Si
125	5X/2Y Ø8/14.7	-1053	-152648	SLV 7	15366	37388	50429	2.5	35.49	-3560	-149729	SLV 3	15029	32833	55356	2.5	9.22	Si
154	5X/2Y Ø8/14.7	-1053	-152515	SLV 7	15366	37388	50429	2.5	35.49	-3560	-149597	SLV 3	15029	32833	55356	2.5	9.22	Si
184	5X/2Y Ø8/14.7	-1053	-152383	SLV 7	15366	37388	50429	2.5	35.49	-3560	-149465	SLV 3	15029	32833	55356	2.5	9.22	Si
213	5X/2Y Ø8/14.7	-1053	-152249	SLV 7	15366	37388	50429	2.5	35.49	-3560	-149331	SLV 3	15029	32833	55356	2.5	9.22	Si
242	5X/2Y Ø8/10	-1053	-152118	SLV 7	15366	51792	52691	2.35	49.16	-3560	-149200	SLV 3	15029	48385	55356	2.5	13.59	Si
272	5X/2Y Ø8/10	-1053	-151986	SLV 7	15366	51792	52691	2.35	49.16	-3560	-149068	SLV 3	15029	48385	55356	2.5	13.59	Si
301	5X/2Y Ø8/10	-1053	-151853	SLV 7	15366	51792	52691	2.35	49.16	-3560	-148935	SLV 3	15029	48385	55356	2.5	13.59	Si
331	5X/2Y Ø8/10	-1053	-151721	SLV 7	15366	51792	52691	2.35	49.16	-3560	-148803	SLV 3	15029	48385	55356	2.5	13.59	Si
360	5X/2Y Ø8/10	-1053	-151591	SLV 7	15366	51792	52691	2.35	49.16	-3560	-148673	SLV 3	15029	48385	55356	2.5	13.59	Si
380	5X/2Y Ø8/10	1880	-100431	SLV 9	15366	51792	52691	2.35	27.54	3166	-109120	SLV 15	15029	48385	55356	2.5	15.28	Si
409	5X/2Y Ø8/10	1880	-100300	SLV 9	15366	51792	52691	2.35	27.54	3166	-108990	SLV 15	15029	48385	55356	2.5	15.28	Si
438	5X/2Y Ø8/10	1880	-100170	SLV 9	15366	51792	52691	2.35	27.54	3166	-108859	SLV 15	15029	48385	55356	2.5	15.28	Si
467	5X/2Y Ø8/14.4	1880	-100039	SLV 9	15366	38145	50429	2.5	20.29	3166	-108729	SLV 15	15029	33497	55356	2.5	10.58	Si
496	5X/2Y Ø8/14.4	1880	-99909	SLV 9	15366	38145	50429	2.5	20.29	3166	-108598	SLV 15	15029	33497	55356	2.5	10.58	Si
525	5X/2Y Ø8/14.4	1880	-99778	SLV 9	15366	38145	50429	2.5	20.29	3166	-108468	SLV 15	15029	33497	55356	2.5	10.58	Si
554	5X/2Y Ø8/14.4	1880	-99648	SLV 9	15366	38145	50429	2.5	20.29	3166	-108337	SLV 15	15029	33497	55356	2.5	10.58	Si
583	5X/2Y Ø8/14.4	1880	-99517	SLV 9	15366	38145	50429	2.5	20.29	3166	-108207	SLV 15	15029	33497	55356	2.5	10.58	Si
612	5X/2Y Ø8/10	1880	-99387	SLV 9	15366	51792	52691	2.35	27.54	3166	-108076	SLV 15	15029	48385	55356	2.5	15.28	Si
641	5X/2Y Ø8/10	1880	-99256	SLV 9	15366	51792	52691	2.35	27.54	3166	-107946	SLV 15	15029	48385	55356	2.5	15.28	Si
670	5X/2Y Ø8/10	1880	-99126	SLV 9	15366	51792	52691	2.35	27.54	3166	-107815	SLV 15	15029	48385	55356	2.5	15.28	Si
690	5X/2Y Ø8/10	1632	-80134	SLV 9	15366	51792	52691	2.35	31.73	3605	-81989	SLV 13	15029	48385	55356	2.5	13.42	Si
719	5X/2Y Ø8/10	1632	-80004	SLV 9	15366	51792	52691	2.35	31.73	3605	-81859	SLV 13	15029	48385	55356	2.5	13.42	Si
748	5X/2Y Ø8/10	1632	-79873	SLV 9	15366	51792	52691	2.35	31.73	3605	-81728	SLV 13	15029	48385	55356	2.5	13.42	Si
777	5X/2Y Ø8/14.4	1632	-79743	SLV 9	15366	38145	50429	2.5	23.37	3605	-81598	SLV 13	15029	33497	55356	2.5	9.29	Si
806	5X/2Y Ø8/14.4	1632	-79612	SLV 9	15366	38145	50429	2.5	23.37	3605	-81467	SLV 13	15029	33497	55356	2.5	9.29	Si
835	5X/2Y Ø8/14.4	1632	-79482	SLV 9	15366	38145	50429	2.5	23.37	3605	-81337	SLV 13	15029	33497	55356	2.5	9.29	Si
864	5X/2Y Ø8/14.4	1632	-79351	SLV 9	15366	38145	50429	2.5	23.37	3605	-81206	SLV 13	15029	33497	55356	2.5	9.29	Si
893	5X/2Y Ø8/14.4	1632	-79221	SLV 9	15366	38145	50429	2.5	23.37	3605	-81076	SLV 13	15029	33497	55356	2.5	9.29	Si
922	5X/2Y Ø8/10	1632	-79090	SLV 9	15366	51792	52691	2.35	31.73	3605	-80945	SLV 13	15029	48385	55356	2.5	13.42	Si
951	5X/2Y Ø8/10	1632	-78960	SLV 9	15366	51792	52691	2.35	31.73	3605	-80815	SLV 13	15029	48385	55356	2.5	13.42	Si
980	5X/2Y Ø8/10	1632	-78829	SLV 9	15366	51792	52691	2.35	31.73	3605	-80684	SLV 13	15029	48385	55356	2.5	13.42	Si
1000	4X/2Y Ø8/10	1469	-60136	SLV 9	12805	42315	42588	2.4	28.82	2852	-61519	SLV 13	12600	39534	44712	2.5	13.86	Si
1029	4X/2Y Ø8/10	1469	-60029	SLV 9	12805	42315	42574	2.4	28.82	2852	-61412	SLV 13	12600	39534	44697	2.5	13.86	Si
1058	4X/2Y Ø8/10	1469	-59921	SLV 9	12805	42315	42560	2.4	28.82	2852	-61304	SLV 13	12600	39534	44682	2.5	13.86	Si
1087	4X/2Y Ø8/14.4	1469	-59812	SLV 9	12805	30516	41323	2.5	20.78	2852	-61195	SLV 13	12600	27370	44667	2.5	9.6	Si
1116	4X/2Y Ø8/14.4	1469	-59703	SLV 9	12805	30516	41309	2.5	20.78	2852	-61086	SLV 13	12600	27370	44652	2.5	9.6	Si
1145	4X/2Y Ø8/14.4	1469	-59594	SLV 9	12805	30516	41295	2.5	20.78	2852	-60977	SLV 13	12600	27370	44637	2.5	9.6	Si
1174	4X/2Y Ø8/14.4	1469	-59486	SLV 9	12805	30516	41281	2.5	20.78	2852	-60869	SLV 13	12600	27370	44622	2.5	9.6	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1203	4X/2Y Ø8/14.4	1469	-59377	SLV 9	12805	30516	41267	2.5	20.78	2852	-60760	SLV 13	12600	27370	44606	2.5	9.6	Si
1232	4X/2Y Ø8/10	1469	-59268	SLV 9	12805	42315	42473	2.4	28.82	2852	-60651	SLV 13	12600	39534	44591	2.5	13.86	Si
1261	4X/2Y Ø8/10	1469	-59159	SLV 9	12805	42315	42459	2.4	28.82	2852	-60542	SLV 13	12600	39534	44576	2.5	13.86	Si
1290	4X/2Y Ø8/10	1469	-59051	SLV 9	12805	42315	42444	2.4	28.82	2852	-60434	SLV 13	12600	39534	44561	2.5	13.86	Si
1310	4X/2Y Ø8/10	1519	-40772	SLV 9	11381	40552	41219	2.3	26.7	3275	-41761	SLV 13	11201	39534	41973	2.5	12.07	Si
1339	4X/2Y Ø8/10	1519	-40665	SLV 9	11368	40552	41204	2.3	26.7	3275	-41655	SLV 13	11186	39534	41958	2.5	12.07	Si
1368	4X/2Y Ø8/10	1519	-40556	SLV 9	11355	40552	41190	2.3	26.7	3275	-41546	SLV 13	11172	39534	41943	2.5	12.07	Si
1397	4X/2Y Ø8/14.4	1519	-40448	SLV 9	11341	30516	38829	2.5	20.09	3275	-41437	SLV 13	11157	27370	41928	2.5	8.36	Si
1426	4X/2Y Ø8/14.4	1519	-40339	SLV 9	11328	30516	38815	2.5	20.09	3275	-41328	SLV 13	11143	27370	41913	2.5	8.36	Si
1455	4X/2Y Ø8/14.4	1519	-40230	SLV 9	11314	30516	38801	2.5	20.09	3275	-41220	SLV 13	11128	27370	41898	2.5	8.36	Si
1484	4X/2Y Ø8/14.4	1519	-40121	SLV 9	11300	30516	38787	2.5	20.09	3275	-41111	SLV 13	11113	27370	41883	2.5	8.36	Si
1513	4X/2Y Ø8/14.4	1519	-40013	SLV 9	11287	30516	38773	2.5	20.09	3275	-41002	SLV 13	11099	27370	41868	2.5	8.36	Si
1542	4X/2Y Ø8/10	1519	-39904	SLV 9	11273	40552	41100	2.3	26.7	3275	-40893	SLV 13	11084	39534	41853	2.5	12.07	Si
1571	4X/2Y Ø8/10	1519	-39795	SLV 9	11260	40552	41086	2.3	26.7	3275	-40785	SLV 13	11070	39534	41838	2.5	12.07	Si
1600	4X/2Y Ø8/10	1519	-39686	SLV 9	11246	40552	41071	2.3	26.7	3275	-40676	SLV 13	11055	39534	41822	2.5	12.07	Si
1620	4X/2Y Ø8/10	-1646	-27685	SLV 7	9752	39671	40022	2.25	24.1	4175	-22076	SLV 13	8563	38743	39819	2.45	9.28	Si
1649	4X/2Y Ø8/10	-1646	-27578	SLV 7	9739	39671	40007	2.25	24.1	4175	-21969	SLV 13	8548	38743	39804	2.45	9.28	Si
1678	4X/2Y Ø8/10	-1646	-27470	SLV 7	9725	39671	39992	2.25	24.1	4175	-21861	SLV 13	8534	38743	39788	2.45	9.28	Si
1707	4X/2Y Ø8/14.4	-1646	-27361	SLV 7	9712	30516	37143	2.5	18.54	4175	-21752	SLV 13	8519	27370	39199	2.5	6.56	Si
1736	4X/2Y Ø8/14.4	-1646	-27252	SLV 7	9698	30516	37129	2.5	18.54	4175	-21643	SLV 13	8505	27370	39184	2.5	6.56	Si
1765	4X/2Y Ø8/14.4	-1646	-27143	SLV 7	9685	30516	37115	2.5	18.54	4175	-21534	SLV 13	8490	27370	39169	2.5	6.56	Si
1794	4X/2Y Ø8/14.4	-1646	-27035	SLV 7	9671	30516	37101	2.5	18.54	4175	-21426	SLV 13	8476	27370	39154	2.5	6.56	Si
1823	4X/2Y Ø8/14.4	-1646	-26926	SLV 7	9658	30516	37087	2.5	18.54	4175	-21317	SLV 13	8461	27370	39139	2.5	6.56	Si
1852	4X/2Y Ø8/10	-1646	-26817	SLV 7	9644	39671	39902	2.25	24.1	4175	-21208	SLV 13	8446	38743	39697	2.45	9.28	Si
1881	4X/2Y Ø8/10	-1646	-26708	SLV 7	9631	39671	39887	2.25	24.1	4175	-21099	SLV 13	8432	38743	39681	2.45	9.28	Si
1910	4X/2Y Ø8/10	-1646	-26600	SLV 7	9617	39671	39872	2.25	24.1	4175	-20991	SLV 13	8417	38743	39666	2.45	9.28	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-425	-144641	SLD 7	19266	55104	50429	2.5	118.79	-1484	-143529	SLD 3	19310	48390	55356	2.5	32.6	Si
-111	5X/2Y Ø8/10	-425	-144511	SLD 7	19266	55104	50429	2.5	118.79	-1484	-143399	SLD 3	19310	48390	55356	2.5	32.6	Si
-81	5X/2Y Ø8/10	-425	-144379	SLD 7	19266	55104	50429	2.5	118.79	-1484	-143267	SLD 3	19310	48390	55356	2.5	32.6	Si
-52	5X/2Y Ø8/10	-425	-144247	SLD 7	19266	55104	50429	2.5	118.79	-1484	-143135	SLD 3	19310	48390	55356	2.5	32.6	Si
-22	5X/2Y Ø8/14.7	-425	-144114	SLD 7	19266	37388	50429	2.5	88.07	-1484	-143002	SLD 3	19310	32833	55356	2.5	22.12	Si
7	5X/2Y Ø8/14.7	-425	-143982	SLD 7	19266	37388	50429	2.5	88.07	-1484	-142870	SLD 3	19310	32833	55356	2.5	22.12	Si
36	5X/2Y Ø8/14.7	-425	-143850	SLD 7	19266	37388	50429	2.5	88.07	-1484	-142737	SLD 3	19310	32833	55356	2.5	22.12	Si
66	5X/2Y Ø8/14.7	-425	-143717	SLD 7	19266	37388	50429	2.5	88.07	-1484	-142605	SLD 3	19310	32833	55356	2.5	22.12	Si
95	5X/2Y Ø8/14.7	-425	-143585	SLD 7	19266	37388	50429	2.5	88.07	-1484	-142473	SLD 3	19310	32833	55356	2.5	22.12	Si
125	5X/2Y Ø8/14.7	-425	-143453	SLD 7	19266	37388	50429	2.5	88.07	-1484	-142340	SLD 3	19310	32833	55356	2.5	22.12	Si
154	5X/2Y Ø8/14.7	-425	-143320	SLD 7	19266	37388	50429	2.5	88.07	-1484	-142208	SLD 3	19310	32833	55356	2.5	22.12	Si
184	5X/2Y Ø8/14.7	-425	-143188	SLD 7	19266	37388	50429	2.5	88.07	-1484	-142076	SLD 3	19310	32833	55356	2.5	22.12	Si
213	5X/2Y Ø8/14.7	-425	-143054	SLD 7	19266	37388	50429	2.5	88.07	-1484	-141942	SLD 3	19310	32833	55356	2.5	22.12	Si
242	5X/2Y Ø8/10	-425	-142923	SLD 7	19266	55098	50429	2.5	118.79	-1484	-141811	SLD 3	19310	48385	55356	2.5	32.6	Si
272	5X/2Y Ø8/10	-425	-142791	SLD 7	19266	55098	50429	2.5	118.79	-1484	-141679	SLD 3	19310	48385	55356	2.5	32.6	Si
301	5X/2Y Ø8/10	-425	-142658	SLD 7	19266	55098	50429	2.5	118.79	-1484	-141546	SLD 3	19310	48385	55356	2.5	32.6	Si
331	5X/2Y Ø8/10	-425	-142526	SLD 7	19266	55098	50429	2.5	118.79	-1484	-141414	SLD 3	19310	48385	55356	2.5	32.6	Si
360	5X/2Y Ø8/10	-425	-142396	SLD 7	19266	55098	50429	2.5	118.79	-1484	-141284	SLD 3	19310	48385	55356	2.5	32.6	Si
380	5X/2Y Ø8/10	946	-108064	SLD 9	19266	55098	50429	2.5	53.33	1753	-111461	SLD 15	19310	48385	55356	2.5	27.6	Si
409	5X/2Y Ø8/10	946	-107933	SLD 9	19266	55098	50429	2.5	53.33	1753	-111331	SLD 15	19310	48385	55356	2.5	27.6	Si
438	5X/2Y Ø8/10	946	-107803	SLD 9	19266	55098	50429	2.5	53.33	1753	-111200	SLD 15	19310	48385	55356	2.5	27.6	Si
467	5X/2Y Ø8/14.4	946	-107672	SLD 9	19266	38145	50429	2.5	40.34	1753	-111070	SLD 15	19310	33497	55356	2.5	19.1	Si
496	5X/2Y Ø8/14.4	946	-107542	SLD 9	19266	38145	50429	2.5	40.34	1753	-110939	SLD 15	19310	33497	55356	2.5	19.1	Si
525	5X/2Y Ø8/14.4	946	-107411	SLD 9	19266	38145	50429	2.5	40.34	1753	-110809	SLD 15	19310	33497	55356	2.5	19.1	Si
554	5X/2Y Ø8/14.4	946	-107281	SLD 9	19266	38145	50429	2.5	40.34	1753	-110678	SLD 15	19310	33497	55356	2.5	19.1	Si
583	5X/2Y Ø8/14.4	946	-107150	SLD 9	19266	38145	50429	2.5	40.34	1753	-110548	SLD 15	19310	33497	55356	2.5	19.1	Si
612	5X/2Y Ø8/10	946	-107020	SLD 9	19266	55098	50429	2.5	53.33	1753	-110417	SLD 15	19310	48385	55356	2.5	27.6	Si
641	5X/2Y Ø8/10	946	-106889	SLD 9	19266	55098	50429	2.5	53.33	1753	-110287	SLD 15	19310	48385	55356	2.5	27.6	Si
670	5X/2Y Ø8/10	946	-106759	SLD 9	19266	55098	50429	2.5	53.33	1753	-110156	SLD 15	19310	48385	55356	2.5	27.6	Si
690	5X/2Y Ø8/10	745	-86177	SLD 9	18295	55098	50429	2.5	67.65	1810	-86864	SLD 13	18338	48385	55356	2.5	26.73	Si
719	5X/2Y Ø8/10	745	-86046	SLD 9	18279	55098	50429	2.5	67.65	1810	-86733	SLD 13	18320	48385	55356	2.5	26.73	Si
748	5X/2Y Ø8/10	745	-85916	SLD 9	18263	55098	50429	2.5	67.65	1810	-86603	SLD 13	18302	48385	55356	2.5	26.73	Si
777	5X/2Y Ø8/14.4	745	-85785	SLD 9	18247	38145	50429	2.5	51.17	1810	-86472	SLD 13	18285	33497	55356	2.5	18.51	Si
806	5X/2Y Ø8/14.4	745	-85655	SLD 9	18230	38145	50429	2.5	51.17	1810	-86342	SLD 13	18267	33497	55356	2.5	18.51	Si
835	5X/2Y Ø8/14.4	745	-85524	SLD 9	18214	38145	50429	2.5	51.17	1810	-86211	SLD 13	18249	33497	55356	2.5	18.51	Si
864	5X/2Y Ø8/14.4	745	-85394	SLD 9	18198	38145	50429	2.5	51.17	1810	-86081	SLD 13	18231	33497	55356	2.5	18.51	Si
893	5X/2Y Ø8/14.4	745	-85263	SLD 9	18182	38145	50429	2.5	51.17	1810	-85950	SLD 13	18213	33497	55356	2.5	18.51	Si
922	5X/2Y Ø8/10	745	-85133	SLD 9	18165	55098	50429	2.5	67.65	1810	-85820	SLD 13	18195	48385	55356	2.5	26.73	Si
951	5X/2Y Ø8/10	745	-85002	SLD 9	18149	55098	50429	2.5	67.65	1810	-85689	SLD 13	18178	48385	55356	2.5	26.73	Si
980	5X/2Y Ø8/10	745	-84872	SLD 9	18133	55098	50429	2.5	67.65	1810	-85559	SLD 13	18160	48385	55356	2.5	26.73	Si
1000	4X/2Y Ø8/10	666	-64710	SLD 9	14362	44078	41954	2.5	62.95	1499	-65213	SLD 13	14343	39534	45224	2.5	26.37	Si
1029	4X/2Y Ø8/10	666	-64603	SLD 9	14348	44078	41940	2.5	62.93	1499	-65107	SLD 13	14329	39534	45209	2.5	26.37	Si
1058	4X/2Y Ø8/10	666	-64495	SLD 9	14335	44078	41926	2.5	62.91	1499	-64998	SLD 13	14314	39534	45194	2.5	26.37	Si
1087	4X/2Y Ø8/14.4	666	-64386	SLD 9	14321	30516	41912	2.5	45.79	1499	-64889	SLD 13	14300	27370	45179	2.5	18.26	Si
1116	4X/2Y Ø8/14.4	666	-64277	SLD 9	14308	30516	41898	2.5	45.79	1499	-64780	SLD 13	14285	27370	45164	2.5	18.26	Si
1145	4X/2Y Ø8/14.4	666	-64168	SLD 9	14294	30516	41884	2.5	45.79	1499	-64672	SLD 13	14270	27370	45149	2.5	18.26	Si
1174	4X/2Y Ø8/14.4	666	-64060	SLD 9	14281	30516	41870	2.5	45.79	1499	-64563	SLD 13	14256	27370	45134	2.5	18.26	Si
1203	4X/2Y Ø8/14.4	666	-63951	SLD 9	14267	30516	41856	2.5	45.79	1499	-64454	SLD 13	14241	27370	45119	2.5	18.26	Si
1232	4X/2Y Ø8/10	666	-63842	SLD 9	14254	44078	41842	2.5	62.79	1499	-64345	SLD 13	14227	39534	45103	2.5	26.37	Si
1261	4X/2Y Ø8/10	666	-63733	SLD 9	14240	44078	41828	2.5	62.77	1499	-64237	SLD 13	14212	39534	45088	2.5	26.37	Si
1290	4X/2Y Ø8/10	666	-63625	SLD 9	14227	44078	41814	2.5	62.74	1499	-64128	SLD 13	14198	39534	45073	2.5	26.37	Si
1310	4X/2Y Ø8/10	749	-43924	SLD 9	11774	44078	39277	2.5	52.42	1723	-44280	SLD 13	11538	39534	42322	2.5	22.94	Si
1339	4X/2Y Ø8/10	749	-43817	SLD 9	11761	44078	39263	2.5	52.4	1723	-44173	SLD 13	11524	39534	42307	2.5	22.94	Si
1368	4X/2Y Ø8/10	749	-43708	SLD 9	11747	44078	39249	2.5	52.38	1723	-44064	SLD 13	11509	39534	42292	2.5	22.94	Si
1397	4X/2Y Ø8/14.4	749	-43599	SLD 9	11733	30516	39235	2.5	40.73	1723	-43956	SLD 13	11495	27370	42277	2.5	15.88	Si
1426	4X/2Y Ø8/14.4	749	-43491	SLD 9	11720	30516	39221	2.5	40.73	1723	-43847	SLD 13	11480	27370	42262	2.5	15.88	Si
1455	4X/2Y Ø8/14.4	749	-43382	SLD 9	11706	30516	39207	2.5	40.73	1723	-43738	SLD 13	11465	27370	42247	2.5	15.88	Si
1484	4X/2Y Ø8/14.4	749	-43273	SLD 9	11693	30516	39193	2.5	40.73	1723	-43629	SLD 13	11451	27370	42232	2.5	15.88	Si
1513	4X/2Y Ø8/14.4	749	-43164	SLD 9	11679	30516	39179	2.5	40.73	1723	-43521	SLD 13	11436	27370	42217	2.5	15.88	Si
1542	4X/2Y Ø8/10	749	-43056	SLD 9	11666	44078	39165	2.5	52.27	1723	-43412	SLD 13	11422	39534	42202	2.5	22.94	Si
1571	4X/2Y Ø8/10	749	-42947	SLD 9	11652	44078	39151	2.5	52.25	1723	-43303	SLD 13	11407	39534	42187	2.5	22.94	Si
1600	4X/2Y Ø8/10	749	-42838	SLD 9	11639	44078	39137	2.5	52.23	1723	-43194	SLD 13	11393	39534	42172	2.5	22.94	Si
1620	4X/2Y Ø8/10	-730	-25854	SLD 7	9524	44078	36949	2.5	50.64	2337	-23494	SLD 13	8753	39534	39441	2.5	16.88	Si
1649	4X/2Y Ø8/10	-730	-25747	SLD 7	9511	44078	36936	2.5	50.62	2337	-23387	SLD 13	8738	39534	39426	2.5	16.87	Si
1678	4X/2Y Ø8/10	-730	-25638	SLD 7	9497	44078	36922	2.5	50.6	2337	-23278	SLD 13	8724	39534	39411	2.5	16.87	Si
1707	4X/2Y Ø8/14.4	-730	-25529	SLD 7	9484	30516	36908	2.5	41.83	2337	-23169	SLD 13	8709	27370	39396	2.5	11.71	Si
1736	4X/2Y Ø8/14.4	-730	-25421	SLD 7	9470	30516	36894	2.5	41.83	2337	-23061	SLD 13	8695	27370	39381	2.5	11.71	Si
1765	4X/2Y Ø8/14.4	-730	-25312	SLD 7	9457	30516	36880	2.5	41.83	2337	-22952	SLD 13	8680	27370	39366	2.5	11.71	Si
1794	4X/2Y Ø8/14.4	-730	-25203	SLD 7	9443	30516	36866	2.5	41.83	2337	-22843	SLD 13	8666	27370	39351	2.5	11.71	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1823	4X/2Y Ø8/14.4	-730	-25094	SLD 7	9430	30516	36852	2.5	41.83	2337	-22734	SLD 13	8651	27370	39335	2.5	11.71	Si
1852	4X/2Y Ø8/10	-730	-24986	SLD 7	9416	44078	36837	2.5	50.49	2337	-22626	SLD 13	8636	39534	39320	2.5	16.83	Si
1881	4X/2Y Ø8/10	-730	-24877	SLD 7	9403	44078	36823	2.5	50.47	2337	-22517	SLD 13	8622	39534	39305	2.5	16.82	Si
1910	4X/2Y Ø8/10	-730	-24768	SLD 7	9389	44078	36809	2.5	50.45	2337	-22408	SLD 13	8607	39534	39290	2.5	16.82	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	514602	28324	-150431	SLE RA 7	-101.2	514602	28324	-150431	SLE RA 7	-1437.4	Si
-111	469753	26201	-150301	SLE RA 7	-97.2	469753	26201	-150301	SLE RA 7	-1385.8	Si
-81	424128	24042	-150168	SLE RA 7	-93.7	424128	24042	-150168	SLE RA 7	-1340.8	Si
-52	378503	21882	-150036	SLE RA 7	-91.3	378503	21882	-150036	SLE RA 7	-1311.3	Si
-22	332878	19723	-149904	SLE RA 7	-88.9	240390	15323	-158695	SLE RA 13	-1286.7	Si
7	211828	14227	-158563	SLE RA 13	-86.8	211828	14227	-158563	SLE RA 13	-1268.1	Si
36	183265	13131	-158430	SLE RA 13	-85.3	183265	13131	-158430	SLE RA 13	-1249.5	Si
66	154702	12034	-158298	SLE RA 13	-83.8	154702	12034	-158298	SLE RA 13	-1230.9	Si
95	126140	10938	-158166	SLE RA 13	-82.2	126140	10938	-158166	SLE RA 13	-1212.3	Si
125	97577	9841	-158033	SLE RA 13	-80.7	97577	9841	-158033	SLE RA 13	-1193.7	Si
154	76992	11176	-158054	SLE RA 12	-79.9	76992	11176	-158054	SLE RA 12	-1183	Si
184	73644	11369	-157922	SLE RA 12	-79.7	73644	11369	-157922	SLE RA 12	-1180.2	Si
213	70263	11565	-157788	SLE RA 12	-79.5	70263	11565	-157788	SLE RA 12	-1177.5	Si
242	66946	11756	-157657	SLE RA 12	-79.3	66946	11756	-157657	SLE RA 12	-1174.8	Si
272	63598	11950	-157525	SLE RA 12	-79.1	63598	11950	-157525	SLE RA 12	-1172	Si
301	-168997	-4031	-148448	SLE RA 7	-79	60249	12143	-157392	SLE RA 12	-1169.3	Si
331	-214622	-6191	-148315	SLE RA 7	-81.3	-214622	-6191	-148315	SLE RA 7	-1189.4	Si
360	-259472	-8314	-148185	SLE RA 7	-83.6	-259472	-8314	-148185	SLE RA 7	-1216.6	Si
380	-286067	-83579	-130398	SLE RA 13	-83.2	-286067	-83579	-130398	SLE RA 13	-1171.7	Si
409	-242812	-70319	-130267	SLE RA 13	-79.9	-242812	-70319	-130267	SLE RA 13	-1133.8	Si
438	-199557	-57060	-130137	SLE RA 13	-76.6	-199557	-57060	-130137	SLE RA 13	-1095.9	Si
467	-156301	-43801	-130006	SLE RA 13	-73.3	-156301	-43801	-130006	SLE RA 13	-1057.9	Si
496	-113046	-30542	-129876	SLE RA 13	-69.9	-113046	-30542	-129876	SLE RA 13	-1020	Si
525	-69791	-17283	-129745	SLE RA 13	-66.6	-69791	-17283	-129745	SLE RA 13	-982.1	Si
554	-26536	-4024	-129615	SLE RA 13	-63.3	-26536	-4024	-129615	SLE RA 13	-944.2	Si
583	50359	9745	-129735	SLE RA 12	-65	50359	9745	-129735	SLE RA 12	-964	Si
612	81132	21943	-129604	SLE RA 12	-67.5	81132	21943	-129604	SLE RA 12	-991.8	Si
641	111905	34141	-129474	SLE RA 12	-70	111905	34141	-129474	SLE RA 12	-1019.7	Si
670	146485	49012	-129093	SLE RA 13	-72.8	146485	49012	-129093	SLE RA 13	-1050.3	Si
690	-95656	-38237	-104713	SLE RA 12	-57.9	-95656	-38237	-104713	SLE RA 12	-837.1	Si
719	-71230	-31284	-104582	SLE RA 12	-56	-71230	-31284	-104582	SLE RA 12	-815.7	Si
748	-46804	-24331	-104452	SLE RA 12	-54.1	-46804	-24331	-104452	SLE RA 12	-794.4	Si
777	-22377	-17378	-104321	SLE RA 12	-52.3	-22377	-17378	-104321	SLE RA 12	-773	Si
806	6653	-10225	-103967	SLE RA 13	-50.7	6653	-10225	-103967	SLE RA 13	-755	Si
835	26475	-3473	-104060	SLE RA 12	-51.1	26475	-3473	-104060	SLE RA 12	-761.3	Si
864	52278	4572	-103706	SLE RA 13	-52.2	52278	4572	-103706	SLE RA 13	-774.8	Si
893	75090	11970	-103575	SLE RA 13	-53.9	75328	10432	-103799	SLE RA 12	-794.1	Si
922	99754	17385	-103669	SLE RA 12	-55.6	99754	17385	-103669	SLE RA 12	-813.6	Si
951	124181	24338	-103538	SLE RA 12	-57.3	124181	24338	-103538	SLE RA 12	-831.4	Si
980	148607	31291	-103408	SLE RA 12	-56	148607	31291	-103408	SLE RA 12	-808.5	Si
1000	-107257	-29400	-79136	SLE RA 13	-54.2	-107257	-29400	-79136	SLE RA 13	-774	Si
1029	-84653	-23875	-79029	SLE RA 13	-53.1	-82964	-23863	-79197	SLE RA 12	-763.8	Si
1058	-60283	-18346	-79088	SLE RA 12	-51.6	-60283	-18346	-79088	SLE RA 12	-749.6	Si
1087	-37603	-12828	-78979	SLE RA 12	-49.4	-37603	-12828	-78979	SLE RA 12	-724.5	Si
1116	-14922	-7310	-78870	SLE RA 12	-47.1	-14922	-7310	-78870	SLE RA 12	-699.3	Si
1145	7759	-1793	-78762	SLE RA 12	-46	7759	-1793	-78762	SLE RA 12	-686.7	Si
1174	30439	3725	-78653	SLE RA 12	-47.7	30439	3725	-78653	SLE RA 12	-706.1	Si
1203	53120	9242	-78544	SLE RA 12	-49.8	53120	9242	-78544	SLE RA 12	-729.4	Si
1232	76349	15483	-78268	SLE RA 13	-51.9	75801	14760	-78435	SLE RA 12	-752.7	Si
1261	99349	21106	-78159	SLE RA 13	-54	99349	21106	-78159	SLE RA 13	-776.2	Si
1290	122350	26728	-78050	SLE RA 13	-56.2	122350	26728	-78050	SLE RA 13	-799.8	Si
1310	-127543	-46081	-54641	SLE RA 12	-45.2	-127543	-46081	-54641	SLE RA 12	-623.1	Si
1339	-103712	-36804	-54534	SLE RA 12	-42.5	-103712	-36804	-54534	SLE RA 12	-593	Si
1368	-79463	-27363	-54426	SLE RA 12	-39.7	-79463	-27363	-54426	SLE RA 12	-562.3	Si
1397	-55214	-17922	-54317	SLE RA 12	-37	-55214	-17922	-54317	SLE RA 12	-531.7	Si
1426	-30964	-8481	-54208	SLE RA 12	-34.2	-30964	-8481	-54208	SLE RA 12	-501.1	Si
1455	-6715	959	-54099	SLE RA 12	-31.6	-6715	959	-54099	SLE RA 12	-472.5	Si
1484	17534	10400	-53991	SLE RA 12	-33.4	17534	10400	-53991	SLE RA 12	-490.4	Si
1513	41783	19841	-53882	SLE RA 12	-36	41783	19841	-53882	SLE RA 12	-519.2	Si
1542	66033	29281	-53773	SLE RA 12	-38.6	66033	29281	-53773	SLE RA 12	-547.9	Si
1571	90282	38722	-53664	SLE RA 12	-41.3	90282	38722	-53664	SLE RA 12	-576.7	Si
1600	114531	48163	-53556	SLE RA 12	-43.9	114531	48163	-53556	SLE RA 12	-605.4	Si
1620	-163556	-7525	-29783	SLE RA 10	-29.1	-163556	-7525	-29783	SLE RA 10	-396.8	Si
1649	-125641	-11595	-29676	SLE RA 10	-26.9	-125694	-9514	-30059	SLE RA 12	-370.7	Si
1678	-87109	-14917	-29950	SLE RA 12	-24.8	-87109	-14917	-29950	SLE RA 12	-344.4	Si
1707	-48523	-20319	-29842	SLE RA 12	-22.7	-48523	-20319	-29842	SLE RA 12	-318	Si
1736	-9937	-25722	-29733	SLE RA 12	-20.6	-9937	-25722	-29733	SLE RA 12	-291.7	Si
1765	28649	-31125	-29624	SLE RA 12	-22.4	28649	-31125	-29624	SLE RA 12	-311.6	Si
1794	67235	-36527	-29515	SLE RA 12	-25.6	67235	-36527	-29515	SLE RA 12	-347.7	Si
1823	105820	-41930	-29407	SLE RA 12	-28.8	105820	-41930	-29407	SLE RA 12	-383.7	Si
1852	144406	-47333	-29298	SLE RA 12	-32	144406	-47333	-29298	SLE RA 12	-419.7	Si
1881	182992	-52735	-29189	SLE RA 12	-35.1	182992	-52735	-29189	SLE RA 12	-455.8	Si
1910	221578	-58138	-29080	SLE RA 12	-38.3	221578	-58138	-29080	SLE RA 12	-491.8	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	103515	12444	-138652	SLE QP 2	-74.1	Si
-111	99813	12237	-138522	SLE QP 2	-72.6	Si
-81	96047	12027	-138390	SLE QP 2	-71.5	Si
-52	92281	11816	-138257	SLE QP 2	-71.2	Si
-22	88515	11605	-138125	SLE QP 2	-71	Si
7	84748	11395	-137993	SLE QP 2	-70.7	Si
36	80982	11184	-137860	SLE QP 2	-70.5	Si
66	77216	10974	-137728	SLE QP 2	-70.2	Si
95	73450	10763	-137596	SLE QP 2	-69.9	Si
125	69683	10552	-137463	SLE QP 2	-69.7	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
154	65917	10342	-137331	SLE QP 2	-69.4	Si
184	62151	10131	-137199	SLE QP 2	-69.2	Si
213	58348	9918	-137065	SLE QP 2	-68.9	Si
242	54618	9710	-136934	SLE QP 2	-68.6	Si
272	50852	9499	-136802	SLE QP 2	-68.4	Si
301	47086	9288	-136669	SLE QP 2	-68.1	Si
331	43320	9078	-136537	SLE QP 2	-67.9	Si
360	39617	8871	-136407	SLE QP 2	-67.6	Si
380	-130983	-62706	-113112	SLE QP 2	-65.8	Si
409	-106438	-52765	-112981	SLE QP 2	-63.6	Si
438	-81893	-42825	-112851	SLE QP 2	-61.5	Si
467	-57348	-32885	-112720	SLE QP 2	-59.4	Si
496	-32803	-22944	-112590	SLE QP 2	-57.2	Si
525	-8258	-13004	-112459	SLE QP 2	-55.1	Si
554	16287	-3063	-112329	SLE QP 2	-54.5	Si
583	40833	6877	-112198	SLE QP 2	-56	Si
612	65378	16818	-112068	SLE QP 2	-58	Si
641	89923	26758	-111937	SLE QP 2	-60	Si
670	114468	36699	-111807	SLE QP 2	-62	Si
690	-72955	-28484	-90255	SLE QP 2	-49	Si
719	-53817	-23351	-90125	SLE QP 2	-47.6	Si
748	-34680	-18218	-89994	SLE QP 2	-46.1	Si
777	-15542	-13086	-89864	SLE QP 2	-44.7	Si
806	3596	-7953	-89733	SLE QP 2	-43.6	Si
835	22734	-2820	-89603	SLE QP 2	-44	Si
864	41871	2313	-89472	SLE QP 2	-44.8	Si
893	61009	7445	-89342	SLE QP 2	-46.1	Si
922	80147	12578	-89211	SLE QP 2	-47.4	Si
951	99284	17711	-89081	SLE QP 2	-48.6	Si
980	118422	22843	-88950	SLE QP 2	-47.4	Si
1000	-83679	-22025	-67859	SLE QP 2	-45.6	Si
1029	-65984	-17972	-67752	SLE QP 2	-44.8	Si
1058	-47978	-13849	-67644	SLE QP 2	-43.7	Si
1087	-29972	-9725	-67535	SLE QP 2	-41.9	Si
1116	-11966	-5602	-67426	SLE QP 2	-40.2	Si
1145	6040	-1478	-67317	SLE QP 2	-39.2	Si
1174	24046	2646	-67209	SLE QP 2	-40.5	Si
1203	42052	6769	-67100	SLE QP 2	-42.2	Si
1232	60058	10893	-66991	SLE QP 2	-43.8	Si
1261	78064	15016	-66882	SLE QP 2	-45.4	Si
1290	96070	19140	-66774	SLE QP 2	-47	Si
1310	-100584	-34847	-46129	SLE QP 2	-37.2	Si
1339	-81764	-27953	-46022	SLE QP 2	-35.1	Si
1368	-62613	-20938	-45914	SLE QP 2	-33	Si
1397	-43462	-13922	-45805	SLE QP 2	-30.8	Si
1426	-24311	-6907	-45696	SLE QP 2	-28.7	Si
1455	-5161	108	-45587	SLE QP 2	-26.5	Si
1484	13990	7123	-45479	SLE QP 2	-27.9	Si
1513	33141	14138	-45370	SLE QP 2	-29.9	Si
1542	52292	21153	-45261	SLE QP 2	-31.9	Si
1571	71442	28168	-45152	SLE QP 2	-33.9	Si
1600	90593	35183	-45044	SLE QP 2	-36	Si
1620	-130270	-5004	-24555	SLE QP 2	-23.6	Si
1649	-100225	-8333	-24449	SLE QP 2	-21.8	Si
1678	-69654	-11721	-24340	SLE QP 2	-20	Si
1707	-39082	-15108	-24231	SLE QP 2	-18.3	Si
1736	-8510	-18495	-24122	SLE QP 2	-16.5	Si
1765	22062	-21882	-24014	SLE QP 2	-17.7	Si
1794	52633	-25270	-23905	SLE QP 2	-20.1	Si
1823	83205	-28657	-23796	SLE QP 2	-22.5	Si
1852	113777	-32044	-23687	SLE QP 2	-24.9	Si
1881	144348	-35432	-23579	SLE QP 2	-27.4	Si
1910	174920	-38819	-23470	SLE QP 2	-29.8	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

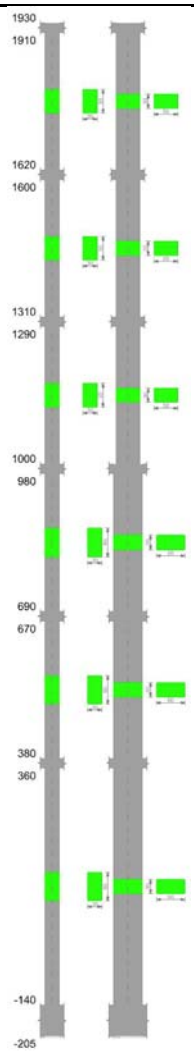
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.

Pilastro 46

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60_1	No	No	No	No		C30/37	B450C	
380	670	R 30x60_1	No	No	No	No		C30/37	B450C	
690	980	R 30x60_1	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	
1620	1910	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.9	8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.9	8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.10	-9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	-9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.11	-9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	-9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2	0	1,2	-316304	316304	-116610	-785458	785458	SLU 52	2.483	Si
-111	18.42	2	0	1,2	-315845	315845	-116441	-804436	804436	SLU 52	2.547	Si
-81	20.11	1.1	0	2	-315379	-315379	-116269	-818158	-818158	SLU 52	2.594	Si
-52	20.11	1.1	0	2	-314912	-314912	-116097	-818158	-818158	SLU 52	2.598	Si
-22	20.11	1.1	0	2	-314445	-314445	-115924	-818158	-818158	SLU 52	2.602	Si
7	20.11	1.1	0	2	-313978	-313978	-115752	-818158	-818158	SLU 52	2.606	Si
36	20.11	1.1	0	2	-313512	-313512	-115580	-818158	-818158	SLU 52	2.61	Si
66	20.11	1.1	0	2	-313045	-313045	-115408	-818158	-818158	SLU 52	2.614	Si
95	20.11	1.1	0	2	-312578	-312578	-115236	-818158	-818158	SLU 52	2.617	Si
125	20.11	1.1	0	2	312112	-312112	-115064	818158	-818158	SLU 52	2.621	Si
154	20.11	1.1	0	2	311645	-311645	-114892	818158	-818158	SLU 52	2.625	Si
184	20.11	1.1	0	2	311178	-311178	-114720	818158	-818158	SLU 52	2.629	Si
213	20.11	1.1	0	2	310707	-310707	-114546	818158	-818158	SLU 52	2.633	Si
242	20.11	1.1	0	2	310245	-310245	-114376	818158	-818158	SLU 52	2.637	Si
272	20.11	1.1	0	2	309778	-309778	-114204	818158	-818158	SLU 52	2.641	Si
301	20.11	1.1	0	2	309311	-309311	-114032	818158	-818158	SLU 52	2.645	Si
331	20.11	1.1	0	2	308845	-308845	-113860	818158	-818158	SLU 52	2.649	Si
360	20.11	1.1	0	2	308386	-308386	-113691	818158	-818158	SLU 52	2.653	Si
380	20.11	2.2	0	2,3	-188127	188127	-94064	-647491	647491	SLU 52	3.442	Si
409	20.11	2.2	0	2,3	187788	187788	-93894	647491	647491	SLU 52	3.448	Si
438	20.11	1.1	0	3	187448	187448	-93724	647491	647491	SLU 52	3.454	Si
467	20.11	1.1	0	3	187109	187109	-93555	647491	647491	SLU 52	3.461	Si
496	20.11	1.1	0	3	186770	186770	-93385	647491	647491	SLU 52	3.467	Si
525	20.11	1.1	0	3	186431	186431	-93215	647491	647491	SLU 52	3.473	Si
554	20.11	1.1	0	3	186091	-186091	-93046	647491	-647491	SLU 52	3.479	Si
583	20.11	1.1	0	3	185752	-185752	-92876	647491	-647491	SLU 52	3.486	Si
612	20.11	1.1	0	3	185413	-185413	-92706	647491	-647491	SLU 52	3.492	Si
641	20.11	1.1	0	3	185073	-185073	-92537	647491	-647491	SLU 52	3.499	Si
670	20.11	1.1	0	3	184740	-184740	-92370	647491	-647491	SLU 52	3.505	Si
690	20.11	2.2	0	3,4,6,7	-147791	189249	-73896	-619239	792946	SLU 52	4.19	Si
719	20.11	2.2	0	3,4,6,7	-147452	150020	-73726	-645746	656993	SLU 52	4.379	Si
748	20.11	1.1	0	4,6,7	147113	147113	-73556	647491	647491	SLU 52	4.401	Si
777	20.11	1.1	0	4,6,7	146773	146773	-73387	647491	647491	SLU 52	4.412	Si
806	20.11	1.1	0	4,6,7	146434	146434	-73217	647491	647491	SLU 52	4.422	Si
835	20.11	1.1	0	4,6,7	146095	-146095	-73047	647491	-647491	SLU 52	4.432	Si
864	20.11	1.1	0	4,6,7	145755	-145755	-72878	647491	-647491	SLU 52	4.442	Si
893	20.11	1.1	0	4,6,7	145416	-145416	-72708	647491	-647491	SLU 52	4.453	Si
922	20.11	1.1	0	4,6,7	145077	-145077	-72538	647491	-647491	SLU 52	4.463	Si
951	20.37	1.6	0	4,5,6,7	144737	-163813	-72369	636021	-719844	SLU 52	4.394	Si
980	27.42	2	0	4,5,6,7	144404	-202365	-72202	652300	-914123	SLU 52	4.517	Si
1000	20.11	2.4	0	5,6,7,8	-108828	215704	-54414	-476523	944496	SLU 52	4.379	Si
1029	17.8	2.4	0	5,6,7,8	-108545	170321	-54273	-495465	777444	SLU 52	4.565	Si
1058	16.08	1.1	0	8	-108263	124938	-54131	-518492	598351	SLU 52	4.789	Si
1087	16.08	1.1	0	8	-107980	107980	-53990	-530708	530708	SLU 52	4.915	Si
1116	16.08	1.1	0	8	107697	107697	-53849	530708	530708	SLU 52	4.928	Si
1145	16.08	1.1	0	8	107414	-107414	-53707	530708	-530708	SLU 52	4.941	Si
1174	16.08	1.1	0	8	107132	-107132	-53566	530708	-530708	SLU 52	4.954	Si
1203	16.08	1.1	0	8	106849	-106849	-53424	530708	-530708	SLU 52	4.967	Si
1232	16.08	1.1	0	8	106566	-147362	-53283	499836	-691184	SLU 52	4.69	Si
1261	16.08	1.1	0	8	106283	-192745	-53142	466654	-846277	SLU 52	4.391	Si
1290	16.08	1.1	0	8	103770	-248394	-51885	424117	-1015211	SLU 51	4.087	Si
1310	16.08	2.1	0	8,9	-70410	260186	-35205	-342172	1264420	SLU 51	4.86	Si
1339	16.08	2.1	0	8,9	-71511	205666	-35755	-391807	1126844	SLU 52	5.479	Si
1368	16.08	1.1	0	9	-71228	154843	-35614	-439837	956163	SLU 52	6.175	Si
1397	16.08	1.1	0	9	-70945	104019	-35473	-493256	723208	SLU 52	6.953	Si
1426	16.08	1.1	0	9	-70662	70662	-35331	-530708	530708	SLU 52	7.51	Si
1455	16.08	1.1	0	9	-70380	70380	-35190	-530708	530708	SLU 52	7.541	Si
1484	16.08	1.1	0	9	-70097	-70097	-35048	-530708	-530708	SLU 52	7.571	Si
1513	16.08	1.1	0	9	-69814	-99274	-34907	-496720	-706322	SLU 52	7.115	Si
1542	16.08	1.1	0	9	-69531	-150097	-34766	-440951	-951878	SLU 52	6.342	Si
1571	16.08	1.1	0	9	-69249	-200920	-34624	-390151	-1131996	SLU 52	5.634	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1600	16.08	1.1	0	9	-67593	-255586	-33796	-337429	-1275907	SLU 51	4.992	Si
1620	16.08	2.1	0	9,10,11	-101549	308924	-18212	-439509	1337035	SLU 51	4.328	Si
1649	16.08	2.1	0	9,10,11	-56759	241508	-18071	-339276	1443615	SLU 51	5.978	Si
1678	16.08	1.1	0	10,11	-35858	174092	-17929	-285433	1385770	SLU 51	7.96	Si
1707	16.08	1.1	0	10,11	35576	106675	-17788	383948	1151285	SLU 51	10.792	Si
1736	16.08	1.1	0	10,11	77562	38326	-17962	1037250	512534	SLU 52	13.373	Si
1765	16.08	1.1	0	10,11	123189	-35642	-17821	1475747	-426975	SLU 52	11.98	Si
1794	16.08	1.1	0	10,11	168815	-93526	-17680	1447083	-801702	SLU 52	8.572	Si
1823	16.08	1.1	0	10,11	211984	-162990	-17222	1264389	-972164	SLU 51	5.965	Si
1852	16.08	1.1	0	10,11	256775	-230407	-17081	1114065	-999663	SLU 51	4.339	Si
1881	16.08	1.1	0	10,11	301565	-297823	-16940	995792	-983435	SLU 51	3.302	Si
1910	22.12	2.1	0	10,11	346356	-365240	-16798	1073265	-1131781	SLU 51	3.099	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	16.08	2	0	1,2	-510038	-321697	-97464	-2.02	1.92	-1134098	-715312	SLV 11	2.224				Si
-111	18.42	2	0	1,2	-473662	-291340	-97334	-2.02	1.92	-1120027	-688907	SLV 11	2.365				Si
-81	20.11	1.1	0	2	-436686	-260460	-97202	-2.02	1.92	-1092290	-651494	SLV 11	2.501				Si
-52	20.11	1.1	0	2	-399750	-229584	-97069	-2.02	1.92	-1042736	-598862	SLV 11	2.608				Si
-22	20.11	1.1	0	2	-362864	-198712	-96937	-2.02	1.92	-987638	-540851	SLV 11	2.722				Si
7	20.11	1.1	0	2	-326039	-167847	-96805	-2.02	1.92	-927402	-477434	SLV 11	2.844				Si
36	20.11	1.1	0	2	-289300	-136997	-96672	-2.02	1.92	-861505	-407962	SLV 11	2.978				Si
66	20.11	1.1	0	2	-252683	-106177	-96540	-2.02	1.92	-789391	-331703	SLV 11	3.124				Si
95	20.11	1.1	0	2	44881	-98415	-104230	-2.02	1.92	141783	-310899	SLV 15	3.159				Si
125	20.11	1.1	0	2	44632	-56045	-104098	-2.02	1.92	141174	-177274	SLV 15	3.163				Si
154	20.11	1.1	0	2	44619	-10607	-103966	-2.02	1.92	141314	-33593	SLV 15	3.167				Si
184	20.11	1.1	0	2	44985	31286	-103833	-2.02	1.92	142652	99213	SLV 15	3.171				Si
213	20.11	1.1	0	2	46026	74298	-103700	-2.02	1.92	146142	235912	SLV 15	3.175				Si
242	20.11	1.1	0	2	48516	116697	-103569	-2.02	1.92	154244	371009	SLV 15	3.179				Si
272	20.11	1.1	0	2	49182	159555	-103436	-2.02	1.92	151718	492200	SLV 15	3.085				Si
301	20.11	1.1	0	2	-6738	202432	-103304	-2.02	1.92	-20215	607370	SLV 15	3				Si
331	20.11	1.1	0	2	26556	245320	-103172	-2.02	1.92	75887	701040	SLV 15	2.858				Si
360	20.11	1.1	0	2	28069	287484	-103041	-2.02	1.92	77084	789493	SLV 15	2.746				Si
380	20.11	2.2	0	2,3	135505	586635	-30149	-2.02	1.92	320039	1385524	SLV 1	2.362				Si
409	20.11	2.2	0	2,3	123061	474081	-30018	-2.02	1.92	357061	1375538	SLV 1	2.901				Si
438	20.11	1.1	0	3	-92819	-220050	-84346	-2.02	1.92	-307693	-729465	SLV 15	3.315				Si
467	20.11	1.1	0	3	-77620	-151410	-84216	-2.02	1.92	-281017	-548167	SLV 15	3.62				Si
496	20.11	1.1	0	3	-65190	-82940	-84085	-2.02	1.92	-255278	-324784	SLV 15	3.916				Si
525	20.11	1.1	0	3	-56573	-14523	-83955	-2.02	1.92	-221880	-56959	SLV 15	3.922				Si
554	20.11	1.1	0	3	-36802	56000	-83824	-2.02	1.92	-144563	219972	SLV 15	3.928				Si
583	20.11	1.1	0	3	102389	124202	-83694	-2.02	1.92	380155	461144	SLV 15	3.713				Si
612	20.11	1.1	0	3	113459	192802	-83563	-2.02	1.92	386866	657401	SLV 15	3.41				Si
641	20.11	1.1	0	3	127702	261474	-83433	-2.02	1.92	401646	822384	SLV 15	3.145				Si
670	20.11	1.1	0	3	-77272	-537531	-28846	-2.02	1.92	-207403	-1442760	SLV 1	2.684				Si
690	20.11	2.2	0	3,4,6,7	126272	530874	-24011	-2.02	1.92	317273	1333880	SLV 1	2.513				Si
719	20.11	2.2	0	3,4,6,7	113985	422976	-23880	-2.02	1.92	368847	1368716	SLV 1	3.236				Si
748	20.11	1.1	0	4,6,7	-99060	-173718	-65164	-2.02	1.92	-416253	-729968	SLV 15	4.202				Si
777	20.11	1.1	0	4,6,7	-83048	-115768	-65033	-2.02	1.92	-384220	-535602	SLV 15	4.627				Si
806	20.11	1.1	0	4,6,7	-70064	-58189	-64903	-2.02	1.92	-355453	-295207	SLV 15	5.073				Si
835	20.11	1.1	0	4,6,7	-50215	2963	-64772	-2.02	1.92	-255269	15062	SLV 15	5.084				Si
864	20.11	1.1	0	4,6,7	-10575	59856	-64642	-2.02	1.92	-53868	304890	SLV 15	5.094				Si
893	20.11	1.1	0	4,6,7	-7151	117528	-64511	-2.02	1.92	-34805	572011	SLV 15	4.867				Si
922	20.11	1.1	0	4,6,7	52032	-333124	-22967	-2.02	1.92	223578	-1431413	SLV 1	4.297				Si
951	20.37	1.6	0	4,5,6,7	58383	-440995	-22836	-2.02	1.92	192695	-1455526	SLV 1	3.301				Si
980	27.42	2	0	4,5,6,7	65502	-547035	-22708	-2.02	1.92	199719	-1667936	SLV 1	3.049				Si
1000	20.11	2.4	0	5,6,7,8	77506	491902	-17628	-2.02	1.92	185292	1175977	SLV 1	2.391				Si
1029	17.8	2.4	0	5,6,7,8	70759	390614	-17519	-2.02	1.92	212484	1172990	SLV 1	3.003				Si
1058	16.08	1.1	0	8	65633	289380	-17411	-2.02	1.92	254492	1122071	SLV 1	3.878				Si
1087	16.08	1.1	0	8	-64581	-87960	-47205	-2.02	1.92	-332373	-452694	SLV 15	5.147				Si
1116	16.08	1.1	0	8	-20813	-44738	-47096	-2.02	1.92	-120104	-258164	SLV 15	5.771				Si
1145	16.08	1.1	0	8	-16641	5148	-46987	-2.02	1.92	-96252	29775	SLV 15	5.784				Si
1174	16.08	1.1	0	8	-13641	46790	-46878	-2.02	1.92	-79079	271257	SLV 15	5.797				Si
1203	16.08	1.1	0	8	36981	-218670	-16867	-2.02	1.92	195147	-1153915	SLV 1	5.277				Si
1232	16.08	1.1	0	8	42777	-319806	-16758	-2.02	1.92	156462	-1169731	SLV 1	3.658				Si
1261	16.08	1.1	0	8	49264	-421056	-16649	-2.02	1.92	122120	-1043742	SLV 1	2.479				Si
1290	16.08	1.1	0	8	56247	-522352	-16541	-2.02	1.92	102002	-947271	SLV 1	1.813				Si
1310	16.08	2.1	0	8,9	109385	546738	-11679	-2.02	1.92	161362	806536	SLV 1	1.475				Si
1339	16.08	2.1	0	8,9	91283	440802	-11572	-2.02	1.92	176530	852460	SLV 1	1.934				Si
1368	16.08	1.1	0	9	73893	333036	-11463	-2.02	1.92	207561	935479	SLV 1	2.809				Si
1397	16.08	1.1	0	9	58252	225338	-11354	-2.02	1.92	283023	1094823	SLV 1	4.859				Si
1426	16.08	1.1	0	9	-34450	-52502	-29993	-2.02	1.92	-285386	-434937	SLV 15	8.284				Si
1455	16.08	1.1	0	9	-32150	-9661	-29884	-2.02	1.92	-292374	-87859	SLV 15	9.094				Si
1484	16.08	1.1	0	9	-32980	39131	-29775	-2.02	1.92	-288207	341963	SLV 15	8.739				Si
1513	16.08	1.1	0	9	-3262	-206916	-10919	-2.02	1.92	-19673	-1247738	SLV 1	6.03				Si
1542	16.08	1.1	0	9	-88357	-314586	-10810	-2.02	1.92	-254993	-907874	SLV 1	2.886				Si
1571	16.08	1.1	0	9	-104643	-422343	-10702	-2.02	1.92	-205202	-828201	SLV 1	1.961				Si
1600	16.08	1.1	0	9	-122117	-528275	-10595	-2.02	1.92	-181421	-784824	SLV 1	1.486				Si
1620	16.08	2.1	0	9,10,11	-91366	565227	-6208	-2.02	1.92	-117291	725616	SLV 1	1.284				Si
1649	16.08	2.1	0	9,10,11	-58597	440205	-6099	-2.02	1.92	-100738	756788	SLV 1	1.719				Si
1678	16.08	1.1	0	10,11	-26055	315186	-5990	-2.02	1.92	-67630	818124	SLV 1	2.596				Si
1707	16.08	1.1	0	10,11	31136	190175	-5882	-2.02	1.92	150262	917777	SLV 1	4.826				Si
1736	16.08	1.1	0	10,11	54565	65261	-5773	-2.02	1.92	734359	878316	SLV 1	13.458				Si
1765	16.08	1.1	0	10,11	80949	-60042	-5664	-2.02	1.92	978380	-725683	SLV 1	12.086				Si
1794	16.08	1.1	0	10,11	111696	-184968	-5555	-2.02	1.92	448852	-743293	SLV 1	4.019				Si
1823	16.08	1.1	0	10,11	143840	-309979	-5447	-2.02	1.92	321125	-692033	SLV 1	2.233				Si
1852	16.08	1.1	0	10,11	176455	-434999	-5338	-2.02	1.92	271737	-669890	SLV 1	1.54				Si
1881	16.08	1.1	0	10,11	209272	-560020	-5229	-2.02	1.92	245880	-657987	SLV 1	1.175				Si
1910	22.12	2.1	0	10,11	242191	-685044	-5120	-2.02	1.92	300464	-849869	SLV 1	1.241				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2	0	1,2	-237401	-149453	-82131	-778736	-490244	SLD 11	3.28	Si
-111	18.42	2	0	1,2	-218834	-136351	-82001	-751798	-468431	SLD 11	3.435	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-81	20.11	1.1	0	2	-199963	-123025	-81869	-716051	-440540	SLD 11	3.581	Si
-52	20.11	1.1	0	2	-181115	-109700	-81736	-666476	-403677	SLD 11	3.68	Si
-22	20.11	1.1	0	2	-162296	-96377	-81604	-614179	-364719	SLD 11	3.784	Si
7	20.11	1.1	0	2	3529	-106274	-84570	13739	-413775	SLD 15	3.893	Si
36	20.11	1.1	0	2	7252	-88220	-84438	28278	-344020	SLD 15	3.9	Si
66	20.11	1.1	0	2	11013	-70181	-84305	43015	-274104	SLD 15	3.906	Si
95	20.11	1.1	0	2	14829	-52182	-84173	58007	-204127	SLD 15	3.912	Si
125	20.11	1.1	0	2	18725	-34405	-84040	73365	-134799	SLD 15	3.918	Si
154	20.11	1.1	0	2	22764	-15063	-83908	89330	-59110	SLD 15	3.924	Si
184	20.11	1.1	0	2	27031	2561	-83776	106243	10066	SLD 15	3.93	Si
213	20.11	1.1	0	2	31743	20646	-83642	124962	81274	SLD 15	3.937	Si
242	20.11	1.1	0	2	37192	38494	-83511	146643	151776	SLD 15	3.943	Si
272	20.11	1.1	0	2	41804	56540	-83379	165089	223283	SLD 15	3.949	Si
301	20.11	1.1	0	2	18967	74597	-83246	75023	295060	SLD 15	3.955	Si
331	20.11	1.1	0	2	38241	92660	-83114	151499	367087	SLD 15	3.962	Si
360	20.11	1.1	0	2	42574	110418	-82984	167233	433732	SLD 15	3.928	Si
380	20.11	2.2	0	2,3	57196	299042	-46476	242603	1268416	SLD 1	4.242	Si
409	20.11	2.2	0	2,3	54738	241675	-46346	261183	1153149	SLD 1	4.771	Si
438	20.11	1.1	0	3	-33848	-42824	-68019	-163852	-207306	SLD 15	4.841	Si
467	20.11	1.1	0	3	-26997	-29346	-67889	-130937	-142331	SLD 15	4.85	Si
496	20.11	1.1	0	3	-21326	-15969	-67758	-103632	-77600	SLD 15	4.859	Si
525	20.11	1.1	0	3	-17102	-2655	-67628	-83269	-12927	SLD 15	4.869	Si
554	20.11	1.1	0	3	-6778	11969	-67497	-33064	58389	SLD 15	4.878	Si
583	20.11	1.1	0	3	62246	25194	-67367	304242	123142	SLD 15	4.888	Si
612	20.11	1.1	0	3	68466	38650	-67236	335292	189276	SLD 15	4.897	Si
641	20.11	1.1	0	3	75742	52148	-67106	371645	255876	SLD 15	4.907	Si
670	20.11	1.1	0	3	-17073	-273971	-45173	-79201	-1270904	SLD 1	4.639	Si
690	20.11	2.2	0	3,4,6,7	51669	280810	-36205	246889	1341795	SLD 1	4.778	Si
719	20.11	2.2	0	3,4,6,7	49423	223514	-36075	275018	1243762	SLD 1	5.565	Si
748	20.11	1.1	0	4,6,7	-43743	-24843	-52969	-271919	-154428	SLD 15	6.216	Si
777	20.11	1.1	0	4,6,7	-35721	-17448	-52839	-222599	-108727	SLD 15	6.232	Si
806	20.11	1.1	0	4,6,7	-28775	-10266	-52708	-179760	-64133	SLD 15	6.247	Si
835	20.11	1.1	0	4,6,7	-17831	-1035	-52578	-111669	-6482	SLD 15	6.263	Si
864	20.11	1.1	0	4,6,7	3230	5775	-52447	20277	36258	SLD 15	6.278	Si
893	20.11	1.1	0	4,6,7	6865	13008	-52317	43204	81870	SLD 15	6.294	Si
922	20.11	1.1	0	4,6,7	10045	20411	-52186	63378	128786	SLD 15	6.31	Si
951	20.37	1.6	0	4,5,6,7	41220	-235325	-35031	226849	-1295090	SLD 1	5.503	Si
980	27.42	2	0	4,5,6,7	45875	-291635	-34903	234259	-1489240	SLD 1	5.107	Si
1000	20.11	2.4	0	5,6,7,8	29689	276125	-26225	134502	1250961	SLD 1	4.53	Si
1029	17.8	2.4	0	5,6,7,8	29087	219014	-26116	154008	1159621	SLD 1	5.295	Si
1058	16.08	1.1	0	8	29050	161935	-26007	184939	1030917	SLD 1	6.366	Si
1087	16.08	1.1	0	8	-31568	-4608	-38608	-222214	-32438	SLD 15	7.039	Si
1116	16.08	1.1	0	8	-8666	-5179	-38499	-61177	-36556	SLD 15	7.059	Si
1145	16.08	1.1	0	8	-4798	-1945	-38390	-33966	-13767	SLD 15	7.079	Si
1174	16.08	1.1	0	8	-1316	-3368	-38281	-9344	-23907	SLD 15	7.099	Si
1203	16.08	1.1	0	8	1765	-3789	-38173	12564	-26976	SLD 15	7.119	Si
1232	16.08	1.1	0	8	27502	-181594	-25355	164533	-1086388	SLD 1	5.983	Si
1261	16.08	1.1	0	8	31855	-238682	-25246	153650	-1151276	SLD 1	4.823	Si
1290	16.08	1.1	0	8	36447	-295797	-25137	144590	-1173461	SLD 1	3.967	Si
1310	16.08	2.1	0	8,9	46459	317577	-16935	170280	1163975	SLD 1	3.665	Si
1339	16.08	2.1	0	8,9	37788	256027	-16829	172094	1166008	SLD 1	4.554	Si
1368	16.08	1.1	0	9	29342	193413	-16720	175903	1159497	SLD 1	5.995	Si
1397	16.08	1.1	0	9	21519	130834	-16611	182194	1107716	SLD 1	8.467	Si
1426	16.08	1.1	0	9	-20641	-2979	-24736	-226780	-32729	SLD 15	10.987	Si
1455	16.08	1.1	0	9	-20830	-4051	-24627	-229867	-44708	SLD 15	11.035	Si
1484	16.08	1.1	0	9	-22168	-2612	-24518	-245718	-28958	SLD 15	11.084	Si
1513	16.08	1.1	0	9	-11155	-120250	-16176	-103387	-1114516	SLD 1	9.268	Si
1542	16.08	1.1	0	9	-46324	-182811	-16067	-281859	-1112315	SLD 1	6.084	Si
1571	16.08	1.1	0	9	-53829	-245420	-15959	-247262	-1127332	SLD 1	4.593	Si
1600	16.08	1.1	0	9	-61949	-306966	-15852	-228639	-1132932	SLD 1	3.691	Si
1620	16.08	2.1	0	9,10,11	-71236	342061	-8361	-173630	833737	SLD 1	2.437	Si
1649	16.08	2.1	0	9,10,11	-42684	266933	-8252	-146953	919011	SLD 1	3.443	Si
1678	16.08	1.1	0	10,11	-14224	191807	-8143	-81889	1104233	SLD 1	5.757	Si
1707	16.08	1.1	0	10,11	24873	116684	-8034	241158	1131323	SLD 1	9.696	Si
1736	16.08	1.1	0	10,11	55510	36494	-8583	997416	655733	SLD 3	17.968	Si
1765	16.08	1.1	0	10,11	84214	-27927	-8474	1374728	-455886	SLD 3	16.324	Si
1794	16.08	1.1	0	10,11	102636	-108738	-7708	777926	-824178	SLD 1	7.579	Si
1823	16.08	1.1	0	10,11	130910	-183861	-7599	567251	-796692	SLD 1	4.333	Si
1852	16.08	1.1	0	10,11	159390	-258988	-7491	449710	-730720	SLD 1	2.821	Si
1881	16.08	1.1	0	10,11	187955	-334116	-7382	391304	-695598	SLD 1	2.082	Si
1910	22.12	2.1	0	10,11	216562	-409244	-7273	458617	-866663	SLD 1	2.118	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-341	-86842	SLU 15	15366	51797	52691	2.35	152.02	400	-94130	SLU 39	15029	48390	55356	2.5	120.87	Si
-111	5X/2Y Ø8/10	-341	-86712	SLU 15	15366	51797	52691	2.35	152.02	400	-93961	SLU 39	15029	48390	55356	2.5	120.87	Si
-81	5X/2Y Ø8/10	-341	-86579	SLU 15	15366	51797	52691	2.35	152.02	400	-93789	SLU 39	15029	48390	55356	2.5	120.87	Si
-52	5X/2Y Ø8/10	-341	-86447	SLU 15	15366	51797	52691	2.35	152.02	400	-93617	SLU 39	15029	48390	55356	2.5	120.87	Si
-22	5X/2Y Ø8/14.7	-341	-86314	SLU 15	15366	37388	50429	2.5	109.73	400	-93445	SLU 39	15029	32833	55356	2.5	82.01	Si
7	5X/2Y Ø8/14.7	-341	-86182	SLU 15	15366	37388	50429	2.5	109.73	400	-93273	SLU 39	15029	32833	55356	2.5	82.01	Si
36	5X/2Y Ø8/14.7	-341	-86050	SLU 15	15366	37388	50429	2.5	109.73	400	-93101	SLU 39	15029	32833	55356	2.5	82.01	Si
66	5X/2Y Ø8/14.7	-341	-85917	SLU 15	15366	37388	50429	2.5	109.73	400	-92928	SLU 39	15029	32833	55356	2.5	82.01	Si
95	5X/2Y Ø8/14.7	-341	-85785	SLU 15	15366	37388	50429	2.5	109.73	400	-92756	SLU 39	15029	32833	55356	2.5	82.01	Si
125	5X/2Y Ø8/14.7	-341	-85653	SLU 15	15366	37388	50429	2.5	109.73	400	-92584	SLU 39	15029	32833	55356	2.5	82.01	Si
154	5X/2Y Ø8/14.7	-341	-85520	SLU 15	15366	37388	50429	2.5	109.73	400	-92412	SLU 39	15029	32833	55356	2.5	82.01	Si
184	5X/2Y Ø8/14.7	-341	-85388	SLU 15	15366	37388	50429	2.5	109.73	400	-92240	SLU 39	15029	32833	55356	2.5	82.01	Si
213	5X/2Y Ø8/14.7	-341	-85254	SLU 15	15366	37388	50429	2.5	109.73	400	-92067	SLU 39	15029	32833	55356	2.5	82.01	Si
242	5X/2Y Ø8/10	-341	-85123	SLU 15	15366	51792	52691	2.35	152.01	400	-91896	SLU 39	15029	48385	55356	2.5	120.86	Si
272	5X/2Y Ø8/10	-341	-84991	SLU 15	15366	51792	52691	2.35	152.01	400	-91724	SLU 39	15029	48385	55356	2.5	120.86	Si
301	5X/2Y Ø8/10	-341	-84859	SLU 15	15366	51792	52691	2.35	152.01	400	-91552	SLU 39	15029	48385	55356	2.5	120.86	Si
331	5X/2Y Ø8/10	-341	-84726	SLU 15	15366	51792	52691	2.35	152.01	400	-91380	SLU 39	15029	48385	55356	2.5	120.86	Si
360	5X/2Y Ø8/10	-341	-84596	SLU 15	15366	51792	52691	2.35	152.01	400	-91211	SLU 39	15029	48385	55356	2.5	120.86	Si
380	5X/2Y Ø8/10	-1242	-92145	SLU 51	15366	51792	52691	2.35	41.71	404	-76307	SLU 39	15029	48385	55073	2.5	119.87	Si
409	5X/2Y Ø8/10	-1242	-91975	SLU 51	15366	51792	52691	2.35	41.71	404	-76137	SLU 39	15029	48385	55049	2.5	119.87	Si
438	5X/2Y Ø8/10	-1242	-91806	SLU 51	15366	51792	52691	2.35	41.71	404	-75968	SLU 39	15029	48385	55025	2.5	119.87	Si
467	5X/2Y Ø8/14.4	-1242	-91636	SLU 51	15366	38145	50429	2.5	30.72	404	-75798	SLU 39	15029	33497	55001	2.5	82.99	Si
496	5X/2Y Ø8/14.4	-1242	-91466	SLU 51	15366	38145	50429	2.5	30.72	404	-75628	SLU 39	15029	33497	54977	2.5	82.99	Si
525	5X/2Y Ø8/14.4	-1242	-91297	SLU 51	15366	38145	50429	2.5	30.72	404	-75459	SLU 39	15029	33497	54953	2.5	82.99	Si
554	5X/2Y Ø8/14.4	-1242	-91127	SLU 51	15366	38145	50429	2.5	30.72	404	-75289	SLU 39	15029	33497	54929	2.5	82.99	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
583	5X/2Y Ø8/14.4	-1242	-90957	SLU 51	15366	38145	50429	2.5	30.72	404	-75119	SLU 39	15029	33497	54905	2.5	82.99	Si
612	5X/2Y Ø8/10	-1242	-90788	SLU 51	15366	51792	52691	2.35	41.71	404	-74950	SLU 39	15029	48385	54881	2.5	119.87	Si
641	5X/2Y Ø8/10	-1242	-90618	SLU 51	15366	51792	52691	2.35	41.71	404	-74780	SLU 39	15029	48385	54857	2.5	119.87	Si
670	5X/2Y Ø8/10	-1242	-90451	SLU 51	15366	51792	52691	2.35	41.71	404	-74613	SLU 39	15029	48385	54834	2.5	119.87	Si
690	5X/2Y Ø8/10	-1418	-72302	SLU 51	15366	51792	51882	2.35	36.51	399	-60398	SLU 39	14721	48385	52824	2.5	121.27	Si
719	5X/2Y Ø8/10	-1418	-72132	SLU 51	15366	51792	51859	2.35	36.51	399	-60228	SLU 39	14698	48385	52800	2.5	121.27	Si
748	5X/2Y Ø8/10	-1418	-71963	SLU 51	15366	51792	51837	2.35	36.51	399	-60058	SLU 39	14675	48385	52776	2.5	121.27	Si
777	5X/2Y Ø8/14.4	-1418	-71793	SLU 51	15366	38145	49590	2.5	26.89	399	-59889	SLU 39	14652	33497	52752	2.5	83.95	Si
806	5X/2Y Ø8/14.4	-1418	-71623	SLU 51	15366	38145	49568	2.5	26.89	399	-59719	SLU 39	14628	33497	52728	2.5	83.95	Si
835	5X/2Y Ø8/14.4	-1418	-71454	SLU 51	15366	38145	49546	2.5	26.89	399	-59550	SLU 39	14605	33497	52704	2.5	83.95	Si
864	5X/2Y Ø8/14.4	-1418	-71284	SLU 51	15366	38145	49524	2.5	26.89	399	-59380	SLU 39	14582	33497	52680	2.5	83.95	Si
893	5X/2Y Ø8/14.4	-1418	-71114	SLU 51	15366	38145	49502	2.5	26.89	399	-59210	SLU 39	14559	33497	52656	2.5	83.95	Si
922	5X/2Y Ø8/10	-1418	-70945	SLU 51	15366	50690	52470	2.3	35.74	399	-59041	SLU 39	14536	48385	52632	2.5	121.27	Si
951	5X/2Y Ø8/10	-1418	-70775	SLU 51	15366	50690	52447	2.3	35.74	399	-58871	SLU 39	14513	48385	52608	2.5	121.27	Si
980	5X/2Y Ø8/10	-1418	-70608	SLU 51	15366	50690	52424	2.3	35.74	399	-58704	SLU 39	14490	48385	52585	2.5	121.27	Si
1000	4X/2Y Ø8/10	-1632	-53299	SLU 51	12805	41434	42299	2.35	25.39	343	-45003	SLU 39	11635	39534	42422	2.5	115.42	Si
1029	4X/2Y Ø8/10	-1632	-53157	SLU 51	12805	41434	42280	2.35	25.39	343	-44862	SLU 39	11616	39534	42403	2.5	115.42	Si
1058	4X/2Y Ø8/10	-1632	-53016	SLU 51	12805	41434	42261	2.35	25.39	343	-44720	SLU 39	11597	39534	42383	2.5	115.42	Si
1087	4X/2Y Ø8/14.4	-1632	-52874	SLU 51	12805	30516	40429	2.5	18.7	343	-44579	SLU 39	11578	27370	42364	2.5	79.91	Si
1116	4X/2Y Ø8/14.4	-1632	-52733	SLU 51	12805	30516	40411	2.5	18.7	343	-44438	SLU 39	11559	27370	42344	2.5	79.91	Si
1145	4X/2Y Ø8/14.4	-1632	-52592	SLU 51	12805	30516	40393	2.5	18.7	343	-44296	SLU 39	11540	27370	42324	2.5	79.91	Si
1174	4X/2Y Ø8/14.4	-1632	-52450	SLU 51	12805	30516	40375	2.5	18.7	343	-44155	SLU 39	11521	27370	42305	2.5	79.91	Si
1203	4X/2Y Ø8/14.4	-1632	-52309	SLU 51	12805	30516	40357	2.5	18.7	343	-44014	SLU 39	11502	27370	42285	2.5	79.91	Si
1232	4X/2Y Ø8/10	-1632	-52168	SLU 51	12800	41434	42147	2.35	25.39	343	-43872	SLU 39	11483	39534	42266	2.5	115.42	Si
1261	4X/2Y Ø8/10	-1632	-52026	SLU 51	12783	41434	42128	2.35	25.39	343	-43731	SLU 39	11464	39534	42246	2.5	115.42	Si
1290	4X/2Y Ø8/10	-1632	-51885	SLU 51	12765	41434	42109	2.35	25.39	343	-43589	SLU 39	11446	39534	42226	2.5	115.42	Si
1310	4X/2Y Ø8/10	-1785	-35205	SLU 51	10688	39671	41064	2.25	22.23	-233	-23966	SLU 17	8816	38743	40084	2.45	166.48	Si
1339	4X/2Y Ø8/10	-1785	-35066	SLU 51	10671	39671	41045	2.25	22.23	-233	-23859	SLU 17	8802	38743	40069	2.45	166.48	Si
1368	4X/2Y Ø8/10	-1785	-34925	SLU 51	10654	39671	41026	2.25	22.23	-233	-23750	SLU 17	8787	38743	40054	2.45	166.48	Si
1397	4X/2Y Ø8/14.4	-1785	-34784	SLU 51	10636	30516	38099	2.5	17.1	-233	-23642	SLU 17	8773	27370	39461	2.5	117.61	Si
1426	4X/2Y Ø8/14.4	-1785	-34642	SLU 51	10618	30516	38081	2.5	17.1	-233	-23533	SLU 17	8758	27370	39446	2.5	117.61	Si
1455	4X/2Y Ø8/14.4	-1785	-34501	SLU 51	10601	30516	38063	2.5	17.1	-233	-23424	SLU 17	8743	27370	39431	2.5	117.61	Si
1484	4X/2Y Ø8/14.4	-1785	-34359	SLU 51	10583	30516	38045	2.5	17.1	-233	-23315	SLU 17	8729	27370	39416	2.5	117.61	Si
1513	4X/2Y Ø8/14.4	-1785	-34218	SLU 51	10566	30516	38027	2.5	17.1	-233	-23207	SLU 17	8714	27370	39401	2.5	117.61	Si
1542	4X/2Y Ø8/10	-1785	-34077	SLU 51	10548	39671	40908	2.25	22.23	-233	-23098	SLU 17	8700	38743	39962	2.45	166.48	Si
1571	4X/2Y Ø8/10	-1785	-33935	SLU 51	10530	39671	40888	2.25	22.23	-233	-22989	SLU 17	8685	38743	39947	2.45	166.48	Si
1600	4X/2Y Ø8/10	-1785	-33796	SLU 51	10513	39671	40869	2.25	22.23	-233	-22882	SLU 17	8671	38743	39932	2.45	166.48	Si
1620	4X/2Y Ø8/10	-2325	-18212	SLU 51	8573	38789	39291	2.2	16.69	1573	-18528	SLU 52	8087	38743	39320	2.45	24.63	Si
1649	4X/2Y Ø8/10	-2325	-18071	SLU 51	8555	38789	39271	2.2	16.69	1573	-18386	SLU 52	8068	38743	39300	2.45	24.63	Si
1678	4X/2Y Ø8/10	-2325	-17929	SLU 51	8538	38789	39251	2.2	16.69	1573	-18245	SLU 52	8049	38743	39280	2.45	24.63	Si
1707	4X/2Y Ø8/14.4	-2325	-17788	SLU 51	8520	30516	35910	2.5	13.13	1573	-18104	SLU 52	8030	27370	38694	2.5	17.4	Si
1736	4X/2Y Ø8/14.4	-2325	-17646	SLU 51	8502	30516	35892	2.5	13.13	1573	-17962	SLU 52	8012	27370	38674	2.5	17.4	Si
1765	4X/2Y Ø8/14.4	-2325	-17505	SLU 51	8485	30516	35874	2.5	13.13	1573	-17821	SLU 52	7993	27370	38654	2.5	17.4	Si
1794	4X/2Y Ø8/14.4	-2325	-17364	SLU 51	8467	30516	35856	2.5	13.13	1573	-17680	SLU 52	7974	27370	38635	2.5	17.4	Si
1823	4X/2Y Ø8/14.4	-2325	-17222	SLU 51	8450	30516	35838	2.5	13.13	1573	-17538	SLU 52	7955	27370	38615	2.5	17.4	Si
1852	4X/2Y Ø8/10	-2325	-17081	SLU 51	8432	38789	39131	2.2	16.69	1573	-17397	SLU 52	7936	38743	39161	2.45	24.63	Si
1881	4X/2Y Ø8/10	-2325	-16940	SLU 51	8414	38789	39112	2.2	16.69	1573	-17255	SLU 52	7917	38743	39141	2.45	24.63	Si
1910	4X/2Y Ø8/10	-2325	-16798	SLU 51	8397	38789	39092	2.2	16.69	1573	-17114	SLU 52	7898	38743	39121	2.45	24.63	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	1459	-105287	SLV 15	15366	51797	52691	2.35	35.51	1639	-80624	SLV 7	15029	48390	55356	2.5	29.52	Si
-111	5X/2Y Ø8/10	1459	-105157	SLV 15	15366	51797	52691	2.35	35.51	1639	-80493	SLV 7	15029	48390	55356	2.5	29.52	Si
-81	5X/2Y Ø8/10	1459	-105024	SLV 15	15366	51797	52691	2.35	35.51	1639	-80361	SLV 7	15029	48390	55356	2.5	29.52	Si
-52	5X/2Y Ø8/10	1459	-104892	SLV 15	15366	51797	52691	2.35	35.51	1639	-80229	SLV 7	15029	48390	55356	2.5	29.52	Si
-22	5X/2Y Ø8/14.7	1459	-104760	SLV 15	15366	37388	50429	2.5	25.63	1639	-80096	SLV 7	15029	32833	55356	2.5	20.03	Si
7	5X/2Y Ø8/14.7	1459	-104627	SLV 15	15366	37388	50429	2.5	25.63	1639	-79964	SLV 7	15029	32833	55356	2.5	20.03	Si
36	5X/2Y Ø8/14.7	1459	-104495	SLV 15	15366	37388	50429	2.5	25.63	1639	-79832	SLV 7	15029	32833	55356	2.5	20.03	Si
66	5X/2Y Ø8/14.7	1459	-104363	SLV 15	15366	37388	50429	2.5	25.63	1639	-79699	SLV 7	15029	32833	55356	2.5	20.03	Si
95	5X/2Y Ø8/14.7	1459	-104230	SLV 15	15366	37388	50429	2.5	25.63	1639	-79567	SLV 7	15029	32833	55356	2.5	20.03	Si
125	5X/2Y Ø8/14.7	1459	-104098	SLV 15	15366	37388	50429	2.5	25.63	1639	-79435	SLV 7	15029	32833	55356	2.5	20.03	Si
154	5X/2Y Ø8/14.7	1459	-103966	SLV 15	15366	37388	50429	2.5	25.63	1639	-79302	SLV 7	15029	32833	55356	2.5	20.03	Si
184	5X/2Y Ø8/14.7	1459	-103833	SLV 15	15366	37388	50429	2.5	25.63	1639	-79170	SLV 7	15029	32833	55356	2.5	20.03	Si
213	5X/2Y Ø8/14.7	1459	-103700	SLV 15	15366	37388	50429	2.5	25.63	1639	-79036	SLV 7	15029	32833	55356	2.5	20.03	Si
242	5X/2Y Ø8/10	1459	-103569	SLV 15	15366	51792	52691	2.35	35.5	1639	-78905	SLV 7	15029	48385	55356	2.5	29.52	Si
272	5X/2Y Ø8/10	1459	-103436	SLV 15	15366	51792	52691	2.35	35.5	1639	-78773	SLV 7	15029	48385	55356	2.5	29.52	Si
301	5X/2Y Ø8/10	1459	-103304	SLV 15	15366	51792	52691	2.35	35.5	1639	-78640	SLV 7	15029	48385	55356	2.5	29.52	Si
331	5X/2Y Ø8/10	1459	-103172	SLV 15	15366	51792	52691	2.35	35.5	1639	-78508	SLV 7	15029	48385	55356	2.5	29.52	Si
360	5X/2Y Ø8/10	1459	-103041	SLV 15	15366	51792	52691	2.35	35.5	1639	-78378	SLV 7	15029	48385	55356	2.5	29.52	Si
380	5X/2Y Ø8/10	-3882	-30149	SLV 1	11320	47384	49044	2.15	12.21	901	-78441	SLV 11	15029	48385	55356	2.5	53.7	Si
409	5X/2Y Ø8/10	-3882	-30018	SLV 1	11304	47384	49026	2.15	12.21	901	-78310	SLV 11	15029	48385	55356	2.5	53.7	Si
438	5X/2Y Ø8/10	-3882	-29888	SLV 1	11287	47384	49007	2.15	12.21	901	-78180	SLV 11	15029	48385	55338	2.5	53.7	Si
467	5X/2Y Ø8/14.4	-3882	-29757	SLV 1	11271	38145	44176	2.5	9.83	901	-78049	SLV 11	15029	33497	55319	2.5	37.18	Si
496	5X/2Y Ø8/14.4	-3882	-29627	SLV 1	11255	38145	44159	2.5	9.83	901	-77919	SLV 11	15029	33497	55301	2.5	37.18	Si
525	5X/2Y Ø8/14.4	-3882	-29496	SLV 1	11239	38145	44142	2.5	9.83	901	-77788	SLV 11	15029	33497	55283	2.5	37.18	Si
554	5X/2Y Ø8/14.4	-3882	-29366	SLV 1	11222	38145	44126	2.5	9.83	901	-77658	SLV 11	15029	33497	55264	2.5	37.18	Si
583	5X/2Y Ø8/14.4	-3882	-29235	SLV 1	11206	38145	44109	2.5	9.83	901	-77527	SLV 11	15029	33497	55246	2.5	37.18	Si
612	5X/2Y Ø8/10	-3882	-29105	SLV 1	11190	47384	48895	2.15	12.21	901	-77397	SLV 11	15029	48385	55227	2.5	53.7	Si
641	5X/2Y Ø8/10	-3882	-28974	SLV 1	11174	47384	48877	2.15	12.21	901	-77266	SLV 11	15029	48385	55209	2.5	53.7	Si
670	5X/2Y Ø8/10	-3882	-28846	SLV 1	11158	47384	48858	2.15	12.21	901	-77138	SLV 11	15029	48385	55191	2.5	53.7	Si
690	5X/2Y Ø8/10	-3722	-24011	SLV 1	10556	47384	48168	2.15	12.73	1036	-50640	SLV 7	13388	48385	51444	2.5	46.71	Si
719	5X/2Y Ø8/10	-3722	-23880	SLV 1	10540	47384	48149	2.15	12.73	1036	-50509	SLV 7	13370	48385	51426	2.5	46.71	Si
748	5X/2Y Ø8/10	-3722	-23750	SLV 1	10523	47384	48130	2.15	12.73	1036	-50379	SLV 7	13352	48385	51408	2.5	46.71	Si
777	5X/2Y Ø8/14.4	-3722	-23619	SLV 1	10507	38145	43385	2.5	10.25	1036	-50248	SLV 7	13334	33497	51389	2.5	32.34	Si
806	5X/2Y Ø8/14.4	-3722	-23489	SLV 1	10491	38145	43369	2.5	10.25	1036	-50118	SLV 7	13316	33497	51371	2.5	32.34	Si
835	5X/2Y Ø8/14.4	-3722	-23358	SLV 1	10475	38145	43352	2.5	10.25	1036	-49987	SLV 7	13298	33497	51352	2.5	32.34	Si
864	5X/2Y Ø8/14.4	-3722	-23228	SLV 1	10458	38145	43335	2.5	10.25	1036	-49857	SLV 7	13281	33497	51334	2.5	32.34	Si
893	5X/2Y Ø8/14.4	-3722	-23097	SLV 1	10442	38145	43318	2.5	10.25	1036	-49726	SLV 7	13263	33497	51315	2.5	32.34	Si
922	5X/2Y Ø8/10	-3722	-22967	SLV 1	10426	47384	48019	2.15	12.73	1036	-49596	SLV 7	13245	48385	51297	2.5	46.71	Si
951	5X/2Y Ø8/10	-3722	-22836	SLV 1	10410	47384	48000	2.15	12.73	1036	-49465	SLV 7	13227	48385	51278	2.5	46.71	Si
980	5X/2Y Ø8/10	-3722	-22708	SLV 1	10394	47384	47982	2.15	12.73	1036	-49337	SLV 7	13210	48385	51260	2.5	46.71	Si
1000	4X/2Y Ø8/10	-3495	-17628	SLV 1	8500	38789	39208	2.2	11.1	765	-37085	SLV 7	10574	39534	41325	2.5	51.66	Si
1029	4X/2Y Ø8/10	-3495	-17519	SLV 1	8487	38789	39193	2.2	11.1	765	-36977	SLV 7	10559	39534	41310	2.5	51.66	Si
1058	4X/2Y Ø8/10	-3495	-17411	SLV 1	8473	38789	39178	2.2	11.1	765	-36868	SLV 7	10545	39534	41295	2.5	51.66	Si
1087	4X/2Y Ø8/14.4	-3495	-17302	SLV 1	8459	30516	35848	2.5	8.73	765	-36759	SLV 7	10530	27370	41280	2.5	35.76	Si
1116	4X/2Y Ø8/14.4	-3495	-17193	SLV 1	8446	30516	35834	2.5	8.73	765	-36650	SLV 7	10516	27370	41264	2.5	35.76	Si
1145	4X/2Y Ø8/14.4	-3495	-17084	SLV 1	8432	30516	35820	2.5	8.73	765	-36542	SLV 7	10501	27370	41249	2.5	35.76	Si
1174	4X/2Y Ø8/14.4	-3495	-16976	SLV 1	8419	30516	35806	2.5	8.73	765	-36433	SLV 7	10487	27370	41234	2.5	35.76	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1203	4X/2Y Ø8/14.4	-3495	-16867	SLV 1	8405	30516	35792	2.5	8.73	765	-36324	SLV 7	10472	27370	41219	2.5	35.76	Si
1232	4X/2Y Ø8/10	-3495	-16758	SLV 1	8392	38789	39086	2.2	11.1	765	-36215	SLV 7	10457	39534	41204	2.5	51.66	Si
1261	4X/2Y Ø8/10	-3495	-16649	SLV 1	8378	38789	39071	2.2	11.1	765	-36107	SLV 7	10443	39534	41189	2.5	51.66	Si
1290	4X/2Y Ø8/10	-3495	-16541	SLV 1	8365	38789	39055	2.2	11.1	765	-35998	SLV 7	10428	39534	41174	2.5	51.66	Si
1310	4X/2Y Ø8/10	-3719	-11679	SLV 1	7759	37907	38950	2.15	10.19	-805	-13393	SLV 5	7399	37953	39166	2.4	47.16	Si
1339	4X/2Y Ø8/10	-3719	-11572	SLV 1	7746	37907	38935	2.15	10.19	-805	-13287	SLV 5	7385	37953	39151	2.4	47.16	Si
1368	4X/2Y Ø8/10	-3719	-11463	SLV 1	7733	37907	38919	2.15	10.19	-805	-13178	SLV 5	7370	37953	39135	2.4	47.16	Si
1397	4X/2Y Ø8/14.4	-3719	-11354	SLV 1	7719	30516	35082	2.5	8.21	-805	-13069	SLV 5	7356	27370	37996	2.5	34.01	Si
1426	4X/2Y Ø8/14.4	-3719	-11245	SLV 1	7705	30516	35068	2.5	8.21	-805	-12960	SLV 5	7341	27370	37981	2.5	34.01	Si
1455	4X/2Y Ø8/14.4	-3719	-11137	SLV 1	7692	30516	35054	2.5	8.21	-805	-12852	SLV 5	7327	27370	37966	2.5	34.01	Si
1484	4X/2Y Ø8/14.4	-3719	-11028	SLV 1	7678	30516	35040	2.5	8.21	-805	-12743	SLV 5	7312	27370	37950	2.5	34.01	Si
1513	4X/2Y Ø8/14.4	-3719	-10919	SLV 1	7665	30516	35026	2.5	8.21	-805	-12634	SLV 5	7298	27370	37935	2.5	34.01	Si
1542	4X/2Y Ø8/10	-3719	-10810	SLV 1	7651	37907	38826	2.15	10.19	-805	-12525	SLV 5	7283	37953	39042	2.4	47.16	Si
1571	4X/2Y Ø8/10	-3719	-10702	SLV 1	7638	37907	38810	2.15	10.19	-805	-12417	SLV 5	7268	37953	39027	2.4	47.16	Si
1600	4X/2Y Ø8/10	-3719	-10595	SLV 1	7624	37907	38795	2.15	10.19	-805	-12310	SLV 5	7254	37953	39011	2.4	47.16	Si
1620	4X/2Y Ø8/10	-4311	-6208	SLV 1	7078	37907	38169	2.15	8.79	1752	-11687	SLV 7	7171	37953	38923	2.4	21.66	Si
1649	4X/2Y Ø8/10	-4311	-6099	SLV 1	7065	37907	38153	2.15	8.79	1752	-11578	SLV 7	7156	37953	38907	2.4	21.66	Si
1678	4X/2Y Ø8/10	-4311	-5990	SLV 1	7051	37907	38137	2.15	8.79	1752	-11470	SLV 7	7142	37953	38892	2.4	21.66	Si
1707	4X/2Y Ø8/14.4	-4311	-5882	SLV 1	7038	30516	34377	2.5	7.08	1752	-11361	SLV 7	7127	27370	37759	2.5	15.62	Si
1736	4X/2Y Ø8/14.4	-4311	-5773	SLV 1	7024	30516	34363	2.5	7.08	1752	-11252	SLV 7	7112	27370	37744	2.5	15.62	Si
1765	4X/2Y Ø8/14.4	-4311	-5664	SLV 1	7011	30516	34349	2.5	7.08	1752	-11143	SLV 7	7098	27370	37729	2.5	15.62	Si
1794	4X/2Y Ø8/14.4	-4311	-5555	SLV 1	6997	30516	34335	2.5	7.08	1752	-11035	SLV 7	7083	27370	37714	2.5	15.62	Si
1823	4X/2Y Ø8/14.4	-4311	-5447	SLV 1	6983	30516	34321	2.5	7.08	1752	-10926	SLV 7	7069	27370	37699	2.5	15.62	Si
1852	4X/2Y Ø8/10	-4311	-5338	SLV 1	6970	37907	38044	2.15	8.79	1752	-10817	SLV 7	7054	37953	38798	2.4	21.66	Si
1881	4X/2Y Ø8/10	-4311	-5229	SLV 1	6956	37907	38029	2.15	8.79	1752	-10708	SLV 7	7040	37953	38783	2.4	21.66	Si
1910	4X/2Y Ø8/10	-4311	-5120	SLV 1	6943	37907	38013	2.15	8.79	1752	-10600	SLV 7	7025	37953	38767	2.4	21.66	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	614	-85229	SLD 15	18178	55104	50429	2.5	82.07	800	-75482	SLD 7	16783	48390	54957	2.5	60.52	Si
-111	5X/2Y Ø8/10	614	-85099	SLD 15	18161	55104	50429	2.5	82.07	800	-75352	SLD 7	16765	48390	54938	2.5	60.52	Si
-81	5X/2Y Ø8/10	614	-84967	SLD 15	18145	55104	50429	2.5	82.07	800	-75220	SLD 7	16747	48390	54919	2.5	60.52	Si
-52	5X/2Y Ø8/10	614	-84835	SLD 15	18128	55104	50429	2.5	82.07	800	-75087	SLD 7	16729	48390	54901	2.5	60.52	Si
-22	5X/2Y Ø8/14.7	614	-84702	SLD 15	18112	37388	50429	2.5	60.84	800	-74955	SLD 7	16711	32833	54882	2.5	41.07	Si
7	5X/2Y Ø8/14.7	614	-84570	SLD 15	18095	37388	50429	2.5	60.84	800	-74823	SLD 7	16693	32833	54863	2.5	41.07	Si
36	5X/2Y Ø8/14.7	614	-84438	SLD 15	18079	37388	50429	2.5	60.84	800	-74690	SLD 7	16674	32833	54845	2.5	41.07	Si
66	5X/2Y Ø8/14.7	614	-84305	SLD 15	18062	37388	50429	2.5	60.84	800	-74558	SLD 7	16656	32833	54826	2.5	41.07	Si
95	5X/2Y Ø8/14.7	614	-84173	SLD 15	18046	37388	50429	2.5	60.84	800	-74426	SLD 7	16638	32833	54807	2.5	41.07	Si
125	5X/2Y Ø8/14.7	614	-84040	SLD 15	18029	37388	50429	2.5	60.84	800	-74293	SLD 7	16620	32833	54788	2.5	41.07	Si
154	5X/2Y Ø8/14.7	614	-83908	SLD 15	18013	37388	50429	2.5	60.84	800	-74161	SLD 7	16602	32833	54770	2.5	41.07	Si
184	5X/2Y Ø8/14.7	614	-83776	SLD 15	17997	37388	50429	2.5	60.84	800	-74029	SLD 7	16584	32833	54751	2.5	41.07	Si
213	5X/2Y Ø8/14.7	614	-83642	SLD 15	17980	37388	50429	2.5	60.84	800	-73895	SLD 7	16566	32833	54732	2.5	41.07	Si
242	5X/2Y Ø8/10	614	-83511	SLD 15	17964	55098	50429	2.5	82.07	800	-73764	SLD 7	16548	48385	54714	2.5	60.52	Si
272	5X/2Y Ø8/10	614	-83379	SLD 15	17947	55098	50429	2.5	82.07	800	-73632	SLD 7	16530	48385	54695	2.5	60.52	Si
301	5X/2Y Ø8/10	614	-83246	SLD 15	17931	55098	50429	2.5	82.07	800	-73499	SLD 7	16512	48385	54676	2.5	60.52	Si
331	5X/2Y Ø8/10	614	-83114	SLD 15	17914	55098	50429	2.5	82.07	800	-73367	SLD 7	16494	48385	54658	2.5	60.52	Si
360	5X/2Y Ø8/10	614	-82984	SLD 15	17898	55098	50429	2.5	82.07	800	-73237	SLD 7	16476	48385	54639	2.5	60.52	Si
380	5X/2Y Ø8/10	-1979	-46476	SLD 1	13353	55098	46329	2.5	23.41	419	-65786	SLD 11	15458	48385	53586	2.5	115.52	Si
409	5X/2Y Ø8/10	-1979	-46346	SLD 1	13336	55098	46312	2.5	23.4	419	-65655	SLD 11	15440	48385	53567	2.5	115.52	Si
438	5X/2Y Ø8/10	-1979	-46215	SLD 1	13320	55098	46296	2.5	23.4	419	-65525	SLD 11	15422	48385	53549	2.5	115.52	Si
467	5X/2Y Ø8/14.4	-1979	-46085	SLD 1	13304	38145	46279	2.5	19.28	419	-65394	SLD 11	15404	33497	53530	2.5	79.97	Si
496	5X/2Y Ø8/14.4	-1979	-45954	SLD 1	13288	38145	46262	2.5	19.28	419	-65264	SLD 11	15386	33497	53512	2.5	79.97	Si
525	5X/2Y Ø8/14.4	-1979	-45824	SLD 1	13271	38145	46245	2.5	19.28	419	-65133	SLD 11	15368	33497	53494	2.5	79.97	Si
554	5X/2Y Ø8/14.4	-1979	-45693	SLD 1	13255	38145	46228	2.5	19.28	419	-65003	SLD 11	15351	33497	53475	2.5	79.97	Si
583	5X/2Y Ø8/14.4	-1979	-45563	SLD 1	13239	38145	46212	2.5	19.28	419	-64872	SLD 11	15333	33497	53457	2.5	79.97	Si
612	5X/2Y Ø8/10	-1979	-45432	SLD 1	13223	55098	46195	2.5	23.35	419	-64742	SLD 11	15315	48385	53438	2.5	115.52	Si
641	5X/2Y Ø8/10	-1979	-45302	SLD 1	13206	55098	46178	2.5	23.34	419	-64611	SLD 11	15297	48385	53420	2.5	115.52	Si
670	5X/2Y Ø8/10	-1979	-45173	SLD 1	13191	55098	46161	2.5	23.33	419	-64483	SLD 11	15280	48385	53402	2.5	115.52	Si
690	5X/2Y Ø8/10	-1977	-36205	SLD 1	12074	55098	45006	2.5	22.77	482	-47092	SLD 7	12903	48385	50943	2.5	100.44	Si
719	5X/2Y Ø8/10	-1977	-36075	SLD 1	12058	55098	44990	2.5	22.76	482	-46962	SLD 7	12885	48385	50924	2.5	100.44	Si
748	5X/2Y Ø8/10	-1977	-35944	SLD 1	12042	55098	44973	2.5	22.75	482	-46831	SLD 7	12867	48385	50906	2.5	100.44	Si
777	5X/2Y Ø8/14.4	-1977	-35814	SLD 1	12025	38145	44956	2.5	19.3	482	-46701	SLD 7	12849	33497	50888	2.5	69.54	Si
806	5X/2Y Ø8/14.4	-1977	-35683	SLD 1	12009	38145	44939	2.5	19.3	482	-46570	SLD 7	12831	33497	50869	2.5	69.54	Si
835	5X/2Y Ø8/14.4	-1977	-35553	SLD 1	11993	38145	44922	2.5	19.3	482	-46440	SLD 7	12814	33497	50851	2.5	69.54	Si
864	5X/2Y Ø8/14.4	-1977	-35422	SLD 1	11977	38145	44906	2.5	19.3	482	-46309	SLD 7	12796	33497	50832	2.5	69.54	Si
893	5X/2Y Ø8/14.4	-1977	-35292	SLD 1	11960	38145	44889	2.5	19.3	482	-46179	SLD 7	12778	33497	50814	2.5	69.54	Si
922	5X/2Y Ø8/10	-1977	-35161	SLD 1	11944	55098	44872	2.5	22.7	482	-46048	SLD 7	12760	48385	50795	2.5	100.44	Si
951	5X/2Y Ø8/10	-1977	-35031	SLD 1	11928	55098	44855	2.5	22.69	482	-45918	SLD 7	12742	48385	50777	2.5	100.44	Si
980	5X/2Y Ø8/10	-1977	-34903	SLD 1	11912	55098	44839	2.5	22.68	482	-45790	SLD 7	12725	48385	50759	2.5	100.44	Si
1000	4X/2Y Ø8/10	-1971	-26225	SLD 1	9570	44078	36997	2.5	18.77	377	-34413	SLD 7	10216	39534	40954	2.5	104.89	Si
1029	4X/2Y Ø8/10	-1971	-26116	SLD 1	9557	44078	36983	2.5	18.76	377	-34305	SLD 7	10201	39534	40939	2.5	104.89	Si
1058	4X/2Y Ø8/10	-1971	-26007	SLD 1	9543	44078	36969	2.5	18.76	377	-34196	SLD 7	10187	39534	40924	2.5	104.89	Si
1087	4X/2Y Ø8/14.4	-1971	-25899	SLD 1	9530	30516	36955	2.5	15.48	377	-34087	SLD 7	10172	27370	40909	2.5	72.62	Si
1116	4X/2Y Ø8/14.4	-1971	-25790	SLD 1	9516	30516	36941	2.5	15.48	377	-33978	SLD 7	10158	27370	40894	2.5	72.62	Si
1145	4X/2Y Ø8/14.4	-1971	-25681	SLD 1	9503	30516	36927	2.5	15.48	377	-33870	SLD 7	10143	27370	40879	2.5	72.62	Si
1174	4X/2Y Ø8/14.4	-1971	-25572	SLD 1	9489	30516	36913	2.5	15.48	377	-33761	SLD 7	10129	27370	40864	2.5	72.62	Si
1203	4X/2Y Ø8/14.4	-1971	-25464	SLD 1	9476	30516	36899	2.5	15.48	377	-33652	SLD 7	10114	27370	40849	2.5	72.62	Si
1232	4X/2Y Ø8/10	-1971	-25355	SLD 1	9462	44078	36885	2.5	18.71	377	-33543	SLD 7	10099	39534	40834	2.5	104.89	Si
1261	4X/2Y Ø8/10	-1971	-25246	SLD 1	9449	44078	36871	2.5	18.71	377	-33435	SLD 7	10085	39534	40819	2.5	104.89	Si
1290	4X/2Y Ø8/10	-1971	-25137	SLD 1	9435	44078	36857	2.5	18.7	377	-33326	SLD 7	10070	39534	40804	2.5	104.89	Si
1310	4X/2Y Ø8/10	-2160	-16935	SLD 1	8414	44078	35801	2.5	16.57	-375	-17751	SLD 5	7983	39534	38645	2.5	103.12	Si
1339	4X/2Y Ø8/10	-2160	-16829	SLD 1	8401	44078	35787	2.5	16.57	-375	-17644	SLD 5	7969	39534	38630	2.5	103.08	Si
1368	4X/2Y Ø8/10	-2160	-16720	SLD 1	8387	44078	35773	2.5	16.56	-375	-17536	SLD 5	7954	39534	38615	2.5	103.04	Si
1397	4X/2Y Ø8/14.4	-2160	-16611	SLD 1	8373	30516	35759	2.5	14.13	-375	-17427	SLD 5	7940	27370	38600	2.5	73.04	Si
1426	4X/2Y Ø8/14.4	-2160	-16502	SLD 1	8360	30516	35745	2.5	14.13	-375	-17318	SLD 5	7925	27370	38585	2.5	73.04	Si
1455	4X/2Y Ø8/14.4	-2160	-16394	SLD 1	8346	30516	35731	2.5	14.13	-375	-17209	SLD 5	7911	27370	38570	2.5	73.04	Si
1484	4X/2Y Ø8/14.4	-2160	-16285	SLD 1	8333	30516	35717	2.5	14.13	-375	-17101	SLD 5	7896	27370	38554	2.5	73.04	Si
1513	4X/2Y Ø8/14.4	-2160	-16176	SLD 1	8319	30516	35703	2.5	14.13	-375	-16992	SLD 5	7882	27370	38539	2.5	73.04	Si
1542	4X/2Y Ø8/10	-2160	-16067	SLD 1	8306	44078	35689	2.5	16.52	-375	-16883	SLD 5	7867	39534	38524	2.5	102.8	Si
1571	4X/2Y Ø8/10	-2160	-15959	SLD 1	8292	44078	35675	2.5	16.51	-375	-16774	SLD 5	7852	39534	38509	2.5	102.76	Si
1600	4X/2Y Ø8/10	-2160	-15852	SLD 1	8279	44078	35661	2.5	16.51	-375	-16667	SLD 5	7838	39534	38494	2.5	102.72	Si
1620	4X/2Y Ø8/10	-2591	-8361	SLD 1	7346	44078	34696	2.5	13.39	1255	-10809	SLD 7	7053	39534	37682	2.5	30.03	Si
1649	4X/2Y Ø8/10	-2591	-8252	SLD 1	7333	44078	34682	2.5	13.39	1255	-10700	SLD 7	7038	39534	37667	2.5	30.02	Si
1678	4X/2Y Ø8/10	-2591	-8143	SLD 1	7319	44078	34668	2.5	13.38	1255	-10591	SLD 7	7024	39534	37652	2.5	30.01	Si
1707	4X/2Y Ø8/14.4	-2591	-8034	SLD 1	7306	30516	34654	2.5	11.78	1255	-10482	SLD 7	7009	27370	37637	2.5	21.81	Si
1736	4X/2Y Ø8/14.4	-2591	-7926	SLD 1	7292	30516	34640	2.5	11.78	1255	-10374	SLD 7	6995	27370	37622	2.5	21.81	Si
1765	4X/2Y Ø8/14.4	-2591	-7817	SLD 1	7279	30516	34626	2.5	11.78	1255	-10265	SLD 7	6980	27370	37607	2.5	21.81	Si
1794	4X/2Y Ø8/14.4	-2591	-7708	SLD 1	7265	30516	34612	2.5	11.78	1255	-10156	SLD 7	6966	27370	37592	2.5	21.81	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1823	4X/2Y Ø8/14.4	-2591	-7599	SLD 1	7252	30516	34598	2.5	11.78	1255	-10047	SLD 7	6951	27370	37577	2.5	21.81	Si
1852	4X/2Y Ø8/10	-2591	-7491	SLD 1	7238	44078	34584	2.5	13.35	1255	-9939	SLD 7	6936	39534	37562	2.5	29.93	Si
1881	4X/2Y Ø8/10	-2591	-7382	SLD 1	7224	44078	34570	2.5	13.34	1255	-9830	SLD 7	6922	39534	37547	2.5	29.92	Si
1910	4X/2Y Ø8/10	-2591	-7273	SLD 1	7211	44078	34556	2.5	13.34	1255	-9721	SLD 7	6907	39534	37532	2.5	29.91	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	-68448	-41076	-81531	SLE RA 12	-47.1	-68448	-41076	-81531	SLE RA 12	-677.5	Si
-111	-60330	-39081	-81401	SLE RA 12	-45.7	-60330	-39081	-81401	SLE RA 12	-658.7	Si
-81	-52072	-37051	-81269	SLE RA 12	-44.5	-52072	-37051	-81269	SLE RA 12	-643.2	Si
-52	-43814	-35021	-81136	SLE RA 12	-43.9	-43814	-35021	-81136	SLE RA 12	-635.7	Si
-22	-35556	-32991	-81004	SLE RA 12	-43.2	-35556	-32991	-81004	SLE RA 12	-628.1	Si
7	-27297	-30961	-80872	SLE RA 12	-42.6	-27297	-30961	-80872	SLE RA 12	-620.5	Si
36	-19039	-28932	-80739	SLE RA 12	-42	-19039	-28932	-80739	SLE RA 12	-613	Si
66	-10781	-26902	-80607	SLE RA 12	-41.3	-12435	-19106	-81631	SLE RA 13	-606.8	Si
95	-3857	-21319	-81498	SLE RA 13	-40.9	-3857	-21319	-81498	SLE RA 13	-602.8	Si
125	4721	-23533	-81366	SLE RA 13	-41.1	4721	-23533	-81366	SLE RA 13	-604.3	Si
154	13299	-25747	-81233	SLE RA 13	-41.6	13299	-25747	-81233	SLE RA 13	-610.3	Si
184	21878	-27960	-81101	SLE RA 13	-42.2	21878	-27960	-81101	SLE RA 13	-616.4	Si
213	30539	-30196	-80968	SLE RA 13	-42.7	30539	-30196	-80968	SLE RA 13	-622.4	Si
242	39034	-32388	-80836	SLE RA 13	-43.3	39034	-32388	-80836	SLE RA 13	-628.4	Si
272	47612	-34601	-80704	SLE RA 13	-43.8	47612	-34601	-80704	SLE RA 13	-634.4	Si
301	56190	-36815	-80572	SLE RA 13	-44.4	56190	-36815	-80572	SLE RA 13	-640.4	Si
331	59702	-58596	-77196	SLE RA 7	-44.9	64769	-39029	-80439	SLE RA 13	-646.5	Si
360	67768	-63590	-77066	SLE RA 7	-45.7	73201	-41205	-80309	SLE RA 13	-652.4	Si
380	-7199	121069	-66539	SLE RA 13	-43.1	-7199	121069	-66539	SLE RA 13	-586.7	Si
409	-977	97274	-66409	SLE RA 13	-40.5	-977	97274	-66409	SLE RA 13	-562.4	Si
438	5244	73480	-66278	SLE RA 13	-38.5	5244	73480	-66278	SLE RA 13	-541.2	Si
467	11466	49685	-66148	SLE RA 13	-36.6	11466	49685	-66148	SLE RA 13	-522.7	Si
496	17688	25890	-66017	SLE RA 13	-34.6	17688	25890	-66017	SLE RA 13	-504.4	Si
525	23909	2096	-65887	SLE RA 13	-32.7	23909	2096	-65887	SLE RA 13	-486.1	Si
554	30131	-21699	-65756	SLE RA 13	-34.7	30131	-21699	-65756	SLE RA 13	-506.1	Si
583	36353	-45493	-65626	SLE RA 13	-37.1	36353	-45493	-65626	SLE RA 13	-529.9	Si
612	42574	-69288	-65495	SLE RA 13	-39.5	42574	-69288	-65495	SLE RA 13	-553.6	Si
641	48796	-93083	-65365	SLE RA 13	-41.9	48796	-93083	-65365	SLE RA 13	-577.3	Si
670	54910	-116467	-65236	SLE RA 13	-44.3	54910	-116467	-65236	SLE RA 13	-600.7	Si
690	-13190	136424	-51232	SLE RA 12	-37.5	-12016	129939	-52295	SLE RA 13	-495.1	Si
719	-7383	108199	-51102	SLE RA 12	-34.6	-5694	102984	-52164	SLE RA 13	-467.3	Si
748	629	76030	-52034	SLE RA 13	-31.7	629	76030	-52034	SLE RA 13	-440.4	Si
777	6951	49075	-51903	SLE RA 13	-29.5	6951	49075	-51903	SLE RA 13	-417.9	Si
806	13273	22120	-51773	SLE RA 13	-27.3	13273	22120	-51773	SLE RA 13	-396.8	Si
835	19595	-4835	-51642	SLE RA 13	-25.9	19595	-4835	-51642	SLE RA 13	-384.3	Si
864	25917	-31790	-51512	SLE RA 13	-28.6	25917	-31790	-51512	SLE RA 13	-410.9	Si
893	32240	-58745	-51381	SLE RA 13	-31.3	32240	-58745	-51381	SLE RA 13	-437.5	Si
922	38562	-85700	-51251	SLE RA 13	-34.1	38562	-85700	-51251	SLE RA 13	-464.1	Si
951	44884	-112655	-51120	SLE RA 13	-36.7	44884	-112655	-51120	SLE RA 13	-489.7	Si
980	51097	-139145	-50992	SLE RA 13	-37.3	51097	-139145	-50992	SLE RA 13	-492	Si
1000	-19090	155010	-37797	SLE RA 12	-38.7	-19090	155010	-37797	SLE RA 12	-488.7	Si
1029	-13710	122376	-37689	SLE RA 12	-35.5	-12702	117586	-38432	SLE RA 13	-459.9	Si
1058	-8329	89742	-37580	SLE RA 12	-32.1	-7120	86245	-38324	SLE RA 13	-428.1	Si
1087	-1538	54904	-38215	SLE RA 13	-28.1	-1538	54904	-38215	SLE RA 13	-389.8	Si
1116	4044	23563	-38106	SLE RA 13	-24.8	4044	23563	-38106	SLE RA 13	-356.7	Si
1145	9626	-7779	-37997	SLE RA 13	-23.3	9626	-7779	-37997	SLE RA 13	-343.4	Si
1174	15208	-39120	-37889	SLE RA 13	-27.1	15208	-39120	-37889	SLE RA 13	-380.5	Si
1203	20790	-70461	-37780	SLE RA 13	-30.9	20790	-70461	-37780	SLE RA 13	-417.6	Si
1232	26372	-101803	-37671	SLE RA 13	-34.7	26372	-101803	-37671	SLE RA 13	-454.7	Si
1261	29334	-138695	-36819	SLE RA 12	-38.5	31954	-133144	-37562	SLE RA 13	-491.8	Si
1290	34715	-171329	-36710	SLE RA 12	-42.4	37536	-164485	-37454	SLE RA 13	-528.9	Si
1310	-12200	176778	-25482	SLE RA 13	-35	-12200	176778	-25482	SLE RA 13	-418.4	Si
1339	-12751	142228	-25375	SLE RA 13	-31.2	-12751	142228	-25375	SLE RA 13	-381	Si
1368	-13311	107073	-25266	SLE RA 13	-27.3	-13311	107073	-25266	SLE RA 13	-342.9	Si
1397	-13871	71917	-25158	SLE RA 13	-23.4	-13871	71917	-25158	SLE RA 13	-304.8	Si
1426	-14432	36761	-25049	SLE RA 13	-19.4	-14432	36761	-25049	SLE RA 13	-266.8	Si
1455	-14992	1606	-24940	SLE RA 13	-15.5	-14992	1606	-24940	SLE RA 13	-228.7	Si
1484	-15552	-33550	-24831	SLE RA 13	-19	-15552	-33550	-24831	SLE RA 13	-262.4	Si
1513	-16113	-68706	-24723	SLE RA 13	-22.9	-16113	-68706	-24723	SLE RA 13	-299.5	Si
1542	-18099	-105774	-24155	SLE RA 12	-26.8	-16673	-103861	-24614	SLE RA 13	-336.6	Si
1571	-19073	-141552	-24046	SLE RA 12	-30.8	-19073	-141552	-24046	SLE RA 12	-373.9	Si
1600	-20030	-176712	-23939	SLE RA 12	-34.7	-20030	-176712	-23939	SLE RA 12	-411.4	Si
1620	-75096	213701	-13023	SLE RA 12	-50.3	-72593	213321	-12813	SLE RA 10	615	Si
1649	-42923	167082	-12914	SLE RA 12	-36.5	-42923	167082	-12914	SLE RA 12	-371.3	Si
1678	-10749	120463	-12805	SLE RA 12	-21.4	-10749	120463	-12805	SLE RA 12	-247.8	Si
1707	21424	73843	-12696	SLE RA 12	-16.9	21424	73843	-12696	SLE RA 12	-205.6	Si
1736	53564	26602	-12798	SLE RA 13	-14	53564	26602	-12798	SLE RA 13	-182	Si
1765	86294	-19024	-12690	SLE RA 13	-15.3	86294	-19024	-12690	SLE RA 13	-199.4	Si
1794	119025	-64649	-12581	SLE RA 13	-22.5	119025	-64649	-12581	SLE RA 13	-273.7	Si
1823	150117	-112634	-12261	SLE RA 12	-37.8	150117	-112634	-12261	SLE RA 12	-417.4	Si
1852	182290	-159254	-12153	SLE RA 12	-52.7	182290	-159254	-12153	SLE RA 12	604.4	Si
1881	214464	-205873	-12044	SLE RA 12	-67.9	214464	-205873	-12044	SLE RA 12	927.7	Si
1910	246637	-252493	-11935	SLE RA 12	-73.7	246637	-252493	-11935	SLE RA 12	1020.3	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	-58783	-37599	-72151	SLE QP 2	-41.7	Si
-111	-52134	-35731	-72021	SLE QP 2	-40.5	Si
-81	-45369	-33831	-71889	SLE QP 2	-39.5	Si
-52	-38605	-31932	-71756	SLE QP 2	-38.9	Si
-22	-31841	-30032	-71624	SLE QP 2	-38.3	Si
7	-25077	-28132	-71492	SLE QP 2	-37.8	Si
36	-18312	-26232	-71359	SLE QP 2	-37.2	Si
66	-11548	-24332	-71227	SLE QP 2	-36.7	Si
95	-4784	-22433	-71095	SLE QP 2	-36.1	Si
125	1981	-20533	-70962	SLE QP 2	-35.7	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
154	8745	-18633	-70830	SLE QP 2	-35.8	Si
184	15509	-16733	-70698	SLE QP 2	-35.9	Si
213	22339	-14815	-70564	SLE QP 2	-36	Si
242	29038	-12934	-70433	SLE QP 2	-36.1	Si
272	35802	-11034	-70301	SLE QP 2	-36.2	Si
301	42566	-9134	-70168	SLE QP 2	-36.2	Si
331	49330	-7234	-70036	SLE QP 2	-36.3	Si
360	55980	-5367	-69906	SLE QP 2	-36.4	Si
380	3596	114597	-57378	SLE QP 2	-38	Si
409	6571	92672	-57248	SLE QP 2	-36	Si
438	9546	70748	-57117	SLE QP 2	-34.1	Si
467	12521	48823	-56987	SLE QP 2	-32.2	Si
496	15496	26899	-56856	SLE QP 2	-30.2	Si
525	18471	4974	-56726	SLE QP 2	-28.3	Si
554	21446	-16951	-56595	SLE QP 2	-29.5	Si
583	24421	-38875	-56465	SLE QP 2	-31.6	Si
612	27396	-60800	-56334	SLE QP 2	-33.7	Si
641	30371	-82725	-56204	SLE QP 2	-35.7	Si
670	33294	-104271	-56075	SLE QP 2	-37.8	Si
690	-5141	120533	-44718	SLE QP 2	-32.5	Si
719	-1569	95615	-44587	SLE QP 2	-30	Si
748	2004	70696	-44457	SLE QP 2	-27.7	Si
777	5576	45777	-44326	SLE QP 2	-25.5	Si
806	9149	20859	-44196	SLE QP 2	-23.4	Si
835	12721	-4060	-44065	SLE QP 2	-21.9	Si
864	16294	-28978	-43935	SLE QP 2	-24.3	Si
893	19866	-53897	-43804	SLE QP 2	-26.7	Si
922	23439	-78816	-43674	SLE QP 2	-29.1	Si
951	27012	-103734	-43543	SLE QP 2	-31.4	Si
980	30522	-128223	-43415	SLE QP 2	-32	Si
1000	-11035	135926	-32579	SLE QP 2	-33.2	Si
1029	-7657	107339	-32471	SLE QP 2	-30.6	Si
1058	-4279	78752	-32362	SLE QP 2	-27.6	Si
1087	-901	50166	-32253	SLE QP 2	-24.1	Si
1116	2477	21579	-32144	SLE QP 2	-21	Si
1145	5855	-7008	-32036	SLE QP 2	-19.6	Si
1174	9233	-35595	-31927	SLE QP 2	-22.9	Si
1203	12611	-64182	-31818	SLE QP 2	-26.2	Si
1232	15989	-92768	-31709	SLE QP 2	-29.6	Si
1261	19367	-121355	-31601	SLE QP 2	-32.9	Si
1290	22746	-149942	-31492	SLE QP 2	-36.2	Si
1310	-2112	158113	-21052	SLE QP 2	-29.7	Si
1339	-4140	127169	-20945	SLE QP 2	-26.4	Si
1368	-6203	95682	-20837	SLE QP 2	-23	Si
1397	-8266	64194	-20728	SLE QP 2	-19.6	Si
1426	-10329	32707	-20619	SLE QP 2	-16.2	Si
1455	-12392	1220	-20510	SLE QP 2	-12.8	Si
1484	-14455	-30268	-20402	SLE QP 2	-16.1	Si
1513	-16518	-61755	-20293	SLE QP 2	-19.6	Si
1542	-18581	-93242	-20184	SLE QP 2	-23.2	Si
1571	-20644	-124730	-20075	SLE QP 2	-26.7	Si
1600	-22672	-155674	-19968	SLE QP 2	-30.2	Si
1620	-55967	183856	-10151	SLE QP 2	-42.5	Si
1649	-30610	144050	-10043	SLE QP 2	-23.8	Si
1678	-5254	104245	-9934	SLE QP 2	-17.6	Si
1707	20103	64440	-9825	SLE QP 2	-14.1	Si
1736	45459	24635	-9716	SLE QP 2	-11.4	Si
1765	70816	-15171	-9608	SLE QP 2	-12	Si
1794	96173	-54976	-9499	SLE QP 2	-18.1	Si
1823	121529	-94781	-9390	SLE QP 2	-24.2	Si
1852	146886	-134586	-9281	SLE QP 2	-44.3	Si
1881	172243	-174392	-9173	SLE QP 2	-56.9	Si
1910	197599	-214197	-9064	SLE QP 2	-61.5	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-140	-55288	-36297	-68226										No	Si
-111	-49216	-34467	-68096										No	Si
-81	-43038	-32605	-67963										No	Si
-52	-36861	-30743	-67831										No	Si
-22	-30683	-28881	-67699										No	Si
7	-24505	-27019	-67566										No	Si
36	-18328	-25157	-67434										No	Si
66	-12150	-23295	-67302										No	Si
95	-5973	-21433	-67169										No	Si
125	205	-19571	-67037										No	Si
154	6382	-17709	-66905										No	Si
184	12560	-15848	-66772										No	Si
213	18797	-13968	-66639										No	Si
242	24915	-12124	-66508										No	Si
272	31093	-10262	-66375										No	Si
301	37270	-8400	-66243										No	Si
331	43448	-6538	-66110										No	Si
360	49520	-4708	-65980										No	Si
380	7105	108712	-54092										No	Si
409	9121	87939	-53961										No	Si
438	11136	67167	-53831										No	Si
467	13151	46394	-53700										No	Si
496	15167	25621	-53570										No	Si
525	17182	4848	-53439										No	Si
554	19198	-15925	-53309										No	Si
583	21213	-36697	-53178										No	Si
612	23229	-57470	-53048										No	Si
641	25244	-78243	-52917										No	Si
670	27225	-98658	-52789										No	Si
690	-1856	113785	-42016										No	Si

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
719	800	90270	-41886										No	Si
748	3455	66754	-41755										No	Si
777	6110	43239	-41625										No	Si
806	8765	19724	-41494										No	Si
835	11420	-3792	-41364										No	Si
864	14076	-27307	-41233										No	Si
893	16731	-50822	-41103										No	Si
922	19386	-74338	-40972										No	Si
951	22041	-97853	-40842										No	Si
980	24650	-120963	-40713										No	Si
1000	-7709	127865	-30433										No	Si
1029	-5145	100988	-30324										No	Si
1058	-2580	74111	-30215										No	Si
1087	-16	47234	-30106										No	Si
1116	2549	20358	-29998										No	Si
1145	5113	-6519	-29889										No	Si
1174	7678	-33396	-29780										No	Si
1203	10243	-60273	-29671										No	Si
1232	12807	-87149	-29563										No	Si
1261	15372	-114026	-29454										No	Si
1290	25952	-155968	-32923										No	Si
1310	-4410	164161	-22127										No	Si
1339	-6108	132045	-22020										No	Si
1368	-3753	90155	-19225										No	Si
1397	-6319	60455	-19116										No	Si
1426	-8885	30755	-19007										No	Si
1455	-11450	1055	-18898										No	Si
1484	-14016	-28645	-18790										No	Si
1513	-16582	-58344	-18681										No	Si
1542	-19148	-88044	-18572										No	Si
1571	-22083	-117953	-18547										No	Si
1600	-24637	-147188	-18440										No	Si
1620	-60717	192274	-10912										No	Si
1649	-33735	150540	-10803										No	Si
1678	-6752	108807	-10694										No	Si
1707	19911	60491	-8685										No	Si
1736	43628	23628	-8660										No	Si
1765	66996	-13310	-8551										No	Si
1794	101179	-58129	-10259										No	Si
1823	128161	-99863	-10151										No	Si
1852	155144	-141597	-10042										No	Si
1881	182127	-183330	-9933										No	Si
1910	209109	-225064	-9824	SLE FR 6	193383	-208138	-208138	922.4	478.2	0.0273	30.45	0.0082	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-140	-55288	-36297	-68226										No	Si
-111	-49216	-34467	-68096										No	Si
-81	-43038	-32605	-67963										No	Si
-52	-36861	-30743	-67831										No	Si
-22	-30683	-28881	-67699										No	Si
7	-24505	-27019	-67566										No	Si
36	-18328	-25157	-67434										No	Si
66	-12150	-23295	-67302										No	Si
95	-5973	-21433	-67169										No	Si
125	205	-19571	-67037										No	Si
154	6382	-17709	-66905										No	Si
184	12560	-15848	-66772										No	Si
213	18797	-13968	-66639										No	Si
242	24915	-12124	-66508										No	Si
272	31093	-10262	-66375										No	Si
301	37270	-8400	-66243										No	Si
331	43448	-6538	-66110										No	Si
360	49520	-4708	-65980										No	Si
380	7105	108712	-54092										No	Si
409	9121	87939	-53961										No	Si
438	11136	67167	-53831										No	Si
467	13151	46394	-53700										No	Si
496	15167	25621	-53570										No	Si
525	17182	4848	-53439										No	Si
554	19198	-15925	-53309										No	Si
583	21213	-36697	-53178										No	Si
612	23229	-57470	-53048										No	Si
641	25244	-78243	-52917										No	Si
670	27225	-98658	-52789										No	Si
690	-1856	113785	-42016										No	Si
719	800	90270	-41886										No	Si
748	3455	66754	-41755										No	Si
777	6110	43239	-41625										No	Si
806	8765	19724	-41494										No	Si
835	11420	-3792	-41364										No	Si
864	14076	-27307	-41233										No	Si
893	16731	-50822	-41103										No	Si
922	19386	-74338	-40972										No	Si
951	22041	-97853	-40842										No	Si
980	24650	-120963	-40713										No	Si
1000	-7709	127865	-30433										No	Si
1029	-5145	100988	-30324										No	Si
1058	-2580	74111	-30215										No	Si
1087	-16	47234	-30106										No	Si
1116	2549	20358	-29998										No	Si
1145	5113	-6519	-29889										No	Si
1174	7678	-33396	-29780										No	Si
1203	10243	-60273	-29671										No	Si
1232	12807	-87149	-29563										No	Si
1261	15372	-114026	-29454										No	Si

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1290	22746	-149942	-31492										No	Si
1310	-2112	158113	-21052										No	Si
1339	-4140	127169	-20945										No	Si
1368	-3753	90155	-19225										No	Si
1397	-6319	60455	-19116										No	Si
1426	-8885	30755	-19007										No	Si
1455	-11450	1055	-18898										No	Si
1484	-14016	-28645	-18790										No	Si
1513	-16582	-58344	-18681										No	Si
1542	-19148	-88044	-18572										No	Si
1571	-21713	-117744	-18463										No	Si
1600	-24235	-146932	-18357										No	Si
1620	-55967	183856	-10151										No	Si
1649	-30610	144050	-10043										No	Si
1678	-5254	104245	-9934										No	Si
1707	19911	60491	-8685										No	Si
1736	42829	23578	-8576										No	Si
1765	65746	-13334	-8467										No	Si
1794	96173	-54976	-9499										No	Si
1823	121529	-94781	-9390										No	Si
1852	146886	-134586	-9281										No	Si
1881	172243	-174392	-9173										No	Si
1910	197599	-214197	-9064	SLE QP 2	191612	-207707	-207707	887.8	478.8	0.0273	30.43	0.0079	Si	Si

Verifiche nodi trave colonna

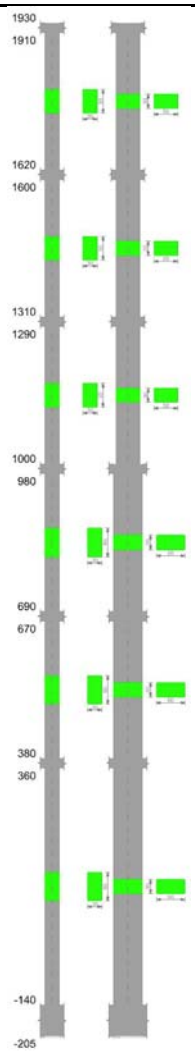
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.

Pilastro 47

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60_1	No	No	No	No		C30/37	B450C	
380	670	R 30x60_1	No	No	No	No		C30/37	B450C	
690	980	R 30x60_1	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	
1620	1910	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.9	8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.9	8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.10	-9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	-9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.11	-9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	-9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2	0	1,2	606603	-606603	-223632	785458	-785458	SLU 52	1.295	Si
-111	18.42	2	0	1,2	606144	-606144	-223463	804436	-804436	SLU 52	1.327	Si
-81	20.11	1.1	0	2	605677	-605677	-223291	818158	-818158	SLU 52	1.351	Si
-52	20.11	1.1	0	2	605210	-605210	-223119	818158	-818158	SLU 52	1.352	Si
-22	20.11	1.1	0	2	604744	-604744	-222947	818158	-818158	SLU 52	1.353	Si
7	20.11	1.1	0	2	604277	-604277	-222775	818158	-818158	SLU 52	1.354	Si
36	20.11	1.1	0	2	603810	-603810	-222603	818158	-818158	SLU 52	1.355	Si
66	20.11	1.1	0	2	603344	-603344	-222431	818158	-818158	SLU 52	1.356	Si
95	20.11	1.1	0	2	602877	-602877	-222259	818158	-818158	SLU 52	1.357	Si
125	20.11	1.1	0	2	602410	-602410	-222087	818158	-818158	SLU 52	1.358	Si
154	20.11	1.1	0	2	601943	-601943	-221915	818158	-818158	SLU 52	1.359	Si
184	20.11	1.1	0	2	601477	-601477	-221743	818158	-818158	SLU 52	1.36	Si
213	20.11	1.1	0	2	601006	-601006	-221569	818158	-818158	SLU 52	1.361	Si
242	20.11	1.1	0	2	600543	-600543	-221398	818158	-818158	SLU 52	1.362	Si
272	20.11	1.1	0	2	600077	-600077	-221226	818158	-818158	SLU 52	1.363	Si
301	20.11	1.1	0	2	599610	-599610	-221054	818158	-818158	SLU 52	1.364	Si
331	20.11	1.1	0	2	599143	-599143	-220882	818158	-818158	SLU 52	1.366	Si
360	20.11	1.1	0	2	598684	-598684	-220713	818158	-818158	SLU 52	1.367	Si
380	20.11	2.2	0	2,3	-370891	370891	-185446	-647491	647491	SLU 52	1.746	Si
409	20.11	2.2	0	2,3	-370552	370552	-185276	-647491	647491	SLU 52	1.747	Si
438	20.11	1.1	0	3	-370213	370213	-185106	-647491	647491	SLU 52	1.749	Si
467	20.11	1.1	0	3	-369873	369873	-184937	-647491	647491	SLU 52	1.751	Si
496	20.11	1.1	0	3	-369534	369534	-184767	-647491	647491	SLU 52	1.752	Si
525	20.11	1.1	0	3	-369195	369195	-184597	-647491	647491	SLU 52	1.754	Si
554	20.11	1.1	0	3	368855	368855	-184428	647491	647491	SLU 52	1.755	Si
583	20.11	1.1	0	3	368516	-368516	-184258	647491	-647491	SLU 52	1.757	Si
612	20.11	1.1	0	3	368177	-368177	-184088	647491	-647491	SLU 52	1.759	Si
641	20.11	1.1	0	3	367838	-367838	-183919	647491	-647491	SLU 52	1.76	Si
670	20.11	1.1	0	3	367498	-367498	-183749	647491	-647491	SLU 52	1.762	Si
690	20.11	2.2	0	3,4,6,7	-300596	300596	-150298	-647491	647491	SLU 52	2.154	Si
719	20.11	2.2	0	3,4,6,7	-300263	300263	-150131	-647491	647491	SLU 52	2.156	Si
748	20.11	1.1	0	4,6,7	-299923	299923	-149962	-647491	647491	SLU 52	2.159	Si
777	20.11	1.1	0	4,6,7	-299584	299584	-149792	-647491	647491	SLU 52	2.161	Si
806	20.11	1.1	0	4,6,7	-299245	299245	-149622	-647491	647491	SLU 52	2.164	Si
835	20.11	1.1	0	4,6,7	-298905	298905	-149453	-647491	647491	SLU 52	2.166	Si
864	20.11	1.1	0	4,6,7	298566	-298566	-149283	647491	-647491	SLU 52	2.169	Si
893	20.11	1.1	0	4,6,7	298227	-298227	-149113	647491	-647491	SLU 52	2.171	Si
922	20.11	1.1	0	4,6,7	297887	-297887	-148944	647491	-647491	SLU 52	2.174	Si
951	20.37	1.6	0	4,5,6,7	297548	-297548	-148774	649217	-649217	SLU 52	2.182	Si
980	27.42	2	0	4,5,6,7	297215	-297215	-148607	695580	-695580	SLU 52	2.34	Si
1000	20.11	2.4	0	5,6,7,8	-230565	230565	-115283	-556148	556148	SLU 52	2.412	Si
1029	17.8	2.4	0	5,6,7,8	-230283	230283	-115141	-541580	541580	SLU 52	2.352	Si
1058	16.08	1.1	0	8	-230000	230000	-115000	-530708	530708	SLU 52	2.307	Si
1087	16.08	1.1	0	8	-229717	229717	-114859	-530708	530708	SLU 52	2.31	Si
1116	16.08	1.1	0	8	-229434	229434	-114717	-530708	530708	SLU 52	2.313	Si
1145	16.08	1.1	0	8	-229152	229152	-114576	-530708	530708	SLU 52	2.316	Si
1174	16.08	1.1	0	8	228869	-228869	-114434	530708	-530708	SLU 52	2.319	Si
1203	16.08	1.1	0	8	228586	-228586	-114293	530708	-530708	SLU 52	2.322	Si
1232	16.08	1.1	0	8	228303	-228303	-114152	530708	-530708	SLU 52	2.325	Si
1261	16.08	1.1	0	8	228021	-228021	-114010	530708	-530708	SLU 52	2.327	Si
1290	16.08	1.1	0	8	227743	-227743	-113871	530708	-530708	SLU 52	2.33	Si
1310	16.08	2.1	0	8,9	-162411	162411	-81205	-530708	530708	SLU 52	3.268	Si
1339	16.08	2.1	0	8,9	-162128	162128	-81064	-530708	530708	SLU 52	3.273	Si
1368	16.08	1.1	0	9	-161845	161845	-80923	-530708	530708	SLU 52	3.279	Si
1397	16.08	1.1	0	9	-161563	161563	-80781	-530708	530708	SLU 52	3.285	Si
1426	16.08	1.1	0	9	-161280	-161280	-80640	-530708	-530708	SLU 52	3.291	Si
1455	16.08	1.1	0	9	160997	-160997	-80499	530708	-530708	SLU 52	3.296	Si
1484	16.08	1.1	0	9	160714	-160714	-80357	530708	-530708	SLU 52	3.302	Si
1513	16.08	1.1	0	9	160432	-160432	-80216	530708	-530708	SLU 52	3.308	Si
1542	16.08	1.1	0	9	160149	-160149	-80074	530708	-530708	SLU 52	3.314	Si
1571	16.08	1.1	0	9	159866	-159866	-79933	530708	-530708	SLU 52	3.32	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1600	16.08	1.1	0	9	159588	-159588	-79794	530708	-530708	SLU 52	3.325	Si
1620	16.08	2.1	0	9,10,11	-296813	-87848	-43924	-1453898	-430310	SLU 52	4.898	Si
1649	16.08	2.1	0	9,10,11	-217213	-87565	-43782	-1166057	-470070	SLU 52	5.368	Si
1678	16.08	1.1	0	10,11	-137614	87282	-43641	-804193	510061	SLU 52	5.844	Si
1707	16.08	1.1	0	10,11	-86999	86999	-43500	-530708	530708	SLU 52	6.1	Si
1736	16.08	1.1	0	10,11	86717	86717	-43358	530708	530708	SLU 52	6.12	Si
1765	16.08	1.1	0	10,11	101184	86434	-43217	614826	525201	SLU 52	6.076	Si
1794	16.08	1.1	0	10,11	180783	102701	-43076	996968	566365	SLU 52	5.515	Si
1823	16.08	1.1	0	10,11	260382	123925	-42934	1277834	608166	SLU 52	4.908	Si
1852	16.08	1.1	0	10,11	339981	145150	-42793	1476436	630341	SLU 52	4.343	Si
1881	16.08	1.1	0	10,11	419581	166374	-42651	1612684	639470	SLU 52	3.844	Si
1910	16.08	1.1	0	10,11	497808	187233	-42512	1701487	639955	SLU 52	3.418	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	16.08	2	0	1,2	1584282	51738	-145609	-2.02	1.92	2271608	74185	SLV 15	1.434				Si
-111	18.42	2	0	1,2	1459043	46098	-145479	-2.02	1.92	2223004	70236	SLV 15	1.524				Si
-81	20.11	1.1	0	2	1331649	40362	-145347	-2.02	1.92	2146376	65056	SLV 15	1.612				Si
-52	20.11	1.1	0	2	1204270	34627	-145214	-2.02	1.92	2026737	58275	SLV 15	1.683				Si
-22	20.11	1.1	0	2	1076912	28893	-145082	-2.02	1.92	1891358	50745	SLV 15	1.756				Si
7	20.11	1.1	0	2	949582	23163	-144949	-2.02	1.92	1742456	42503	SLV 15	1.835				Si
36	20.11	1.1	0	2	822294	17436	-144817	-2.02	1.92	1579617	33495	SLV 15	1.921				Si
66	20.11	1.1	0	2	695073	11717	-144685	-2.02	1.92	1400788	23614	SLV 15	2.015				Si
95	20.11	1.1	0	2	567958	6012	-144552	-2.02	1.92	1203651	12740	SLV 15	2.119				Si
125	20.11	1.1	0	2	441040	337	-144420	-2.02	1.92	985420	752	SLV 15	2.234				Si
154	20.11	1.1	0	2	222353	-34818	-145708	-2.02	1.92	502472	-78681	SLV 11	2.26				Si
184	20.11	1.1	0	2	124960	-21723	-145576	-2.02	1.92	282640	-49134	SLV 11	2.262				Si
213	20.11	1.1	0	2	-20270	-2540	-145442	-2.02	1.92	-45889	-5750	SLV 11	2.264				Si
242	20.11	1.1	0	2	-70423	10466	-145311	-2.02	1.92	-159576	23715	SLV 11	2.266				Si
272	20.11	1.1	0	2	-155868	24584	-145179	-2.02	1.92	-353514	55758	SLV 11	2.268				Si
301	20.11	1.1	0	2	-245918	38902	-145046	-2.02	1.92	-558259	88312	SLV 11	2.27				Si
331	20.11	1.1	0	2	-456148	-40199	-143494	-2.02	1.92	-997983	-87949	SLV 15	2.188				Si
360	20.11	1.1	0	2	-580899	-45823	-143363	-2.02	1.92	-1209443	-95404	SLV 15	2.082				Si
380	20.11	2.2	0	2,3	176273	191979	-116355	-2.02	1.92	456999	497719	SLV 13	2.593				Si
409	20.11	2.2	0	2,3	-124646	-36490	-121550	-2.02	1.92	-337657	-98849	SLV 11	2.709				Si
438	20.11	1.1	0	3	-103109	-25300	-121420	-2.02	1.92	-279614	-68610	SLV 11	2.712				Si
467	20.11	1.1	0	3	-82619	-14304	-121289	-2.02	1.92	-224289	-38833	SLV 11	2.715				Si
496	20.11	1.1	0	3	-64173	-3973	-121159	-2.02	1.92	-174402	-10798	SLV 11	2.718				Si
525	20.11	1.1	0	3	-97841	6899	-121028	-2.02	1.92	-266187	18768	SLV 11	2.721				Si
554	20.11	1.1	0	3	-109488	24820	-120898	-2.02	1.92	-298196	67598	SLV 11	2.724				Si
583	20.11	1.1	0	3	-130792	34256	-120767	-2.02	1.92	-356604	93398	SLV 11	2.726				Si
612	20.11	1.1	0	3	-155792	45081	-120637	-2.02	1.92	-425223	123046	SLV 11	2.729				Si
641	20.11	1.1	0	3	-277379	-56853	-119431	-2.02	1.92	-752756	-154288	SLV 15	2.714				Si
670	20.11	1.1	0	3	-323448	-74946	-119300	-2.02	1.92	-848671	-196644	SLV 15	2.624				Si
690	20.11	2.2	0	3,4,6,7	392487	75885	-97598	-2.02	1.92	1161263	224523	SLV 15	2.959				Si
719	20.11	2.2	0	3,4,6,7	312258	60675	-97470	-2.02	1.92	977166	189874	SLV 15	3.129				Si
748	20.11	1.1	0	4,6,7	231516	45256	-97339	-2.02	1.92	769222	150364	SLV 15	3.323				Si
777	20.11	1.1	0	4,6,7	110149	-30351	-97959	-2.02	1.92	370246	-102020	SLV 11	3.361				Si
806	20.11	1.1	0	4,6,7	62555	-16476	-97828	-2.02	1.92	210547	-55454	SLV 11	3.366				Si
835	20.11	1.1	0	4,6,7	2979	11155	-97698	-2.02	1.92	10040	37597	SLV 11	3.37				Si
864	20.11	1.1	0	4,6,7	-83778	23563	-97567	-2.02	1.92	-282736	79520	SLV 11	3.375				Si
893	20.11	1.1	0	4,6,7	-134720	34234	-97437	-2.02	1.92	-455261	115689	SLV 11	3.379				Si
922	20.11	1.1	0	4,6,7	-280902	-49086	-96556	-2.02	1.92	-910152	-159045	SLV 15	3.24				Si
951	20.37	1.6	0	4,5,6,7	-362192	-64534	-96426	-2.02	1.92	-1111677	-198075	SLV 15	3.069				Si
980	27.42	2	0	4,5,6,7	-442674	-79757	-96297	-2.02	1.92	-1381881	-248975	SLV 15	3.122				Si
1000	20.11	2.4	0	5,6,7,8	262008	70805	-74620	-2.02	1.92	852596	230404	SLV 15	3.254				Si
1029	17.8	2.4	0	5,6,7,8	207122	58422	-74511	-2.02	1.92	699484	197300	SLV 15	3.377				Si
1058	16.08	1.1	0	8	154105	-39441	-74402	-2.02	1.92	547667	-140166	SLV 15	3.554				Si
1087	16.08	1.1	0	8	75821	-41991	-74806	-2.02	1.92	275457	-152554	SLV 11	3.633				Si
1116	16.08	1.1	0	8	57391	-27365	-74697	-2.02	1.92	208806	-99562	SLV 11	3.638				Si
1145	16.08	1.1	0	8	-63697	10790	-74588	-2.02	1.92	-232087	39313	SLV 11	3.644				Si
1174	16.08	1.1	0	8	-78663	27219	-74479	-2.02	1.92	-287033	99319	SLV 11	3.649				Si
1203	16.08	1.1	0	8	-165518	-28172	-73859	-2.02	1.92	-593373	-100994	SLV 15	3.585				Si
1232	16.08	1.1	0	8	-218553	-39722	-73750	-2.02	1.92	-739016	-134315	SLV 15	3.381				Si
1261	16.08	1.1	0	8	-273442	-51881	-73641	-2.02	1.92	-873087	-165654	SLV 15	3.193				Si
1290	16.08	1.1	0	8	-328261	-64127	-73534	-2.02	1.92	-992721	-193932	SLV 15	3.024				Si
1310	16.08	2.1	0	8,9	-410741	152068	-43641	-2.02	1.92	-1320608	488926	SLV 5	3.215				Si
1339	16.08	2.1	0	8,9	317142	87687	-51900	-2.02	1.92	1174297	324681	SLV 15	3.703				Si
1368	16.08	1.1	0	9	245253	67065	-51792	-2.02	1.92	1006730	275293	SLV 15	4.105				Si
1397	16.08	1.1	0	9	174747	46656	-51683	-2.02	1.92	798560	213209	SLV 15	4.57				Si
1426	16.08	1.1	0	9	108717	26727	-51574	-2.02	1.92	556601	136835	SLV 15	5.12				Si
1455	16.08	1.1	0	9	-19035	-6370	-51877	-2.02	1.92	-99719	-33373	SLV 11	5.239				Si
1484	16.08	1.1	0	9	-51341	2056	-51769	-2.02	1.92	-269524	10791	SLV 11	5.25				Si
1513	16.08	1.1	0	9	-140081	-44744	-51248	-2.02	1.92	-672802	-214906	SLV 15	4.803				Si
1542	16.08	1.1	0	9	-209533	-63442	-51139	-2.02	1.92	-905163	-274063	SLV 15	4.32				Si
1571	16.08	1.1	0	9	-281042	-83452	-51030	-2.02	1.92	-1096891	-325707	SLV 15	3.903				Si
1600	16.08	1.1	0	9	368829	-153136	-42556	-2.02	1.92	1255200	-521153	SLV 5	3.403				Si
1620	16.08	2.1	0	9,10,11	-424521	-176641	-23731	-2.02	1.92	-1280515	-532816	SLV 3	3.016				Si
1649	16.08	2.1	0	9,10,11	-313777	-126530	-23622	-2.02	1.92	-1325613	-534549	SLV 3	4.225				Si
1678	16.08	1.1	0	10,11	-203125	-76531	-23513	-2.02	1.92	-1287050	-484923	SLV 3	6.336				Si
1707	16.08	1.1	0	10,11	32547	67921	-25790	-2.02	1.92	286622	598145	SLV 13	8.807				Si
1736	16.08	1.1	0	10,11	29654	30655	-27235	-2.02	1.92	289166	298926	SLV 11	9.751				Si
1765	16.08	1.1	0	10,11	-46807	77425	-26888	-2.02	1.92	-378512	626108	SLV 15	8.087				Si
1794	16.08	1.1	0	10,11	301968	87047	-21763	-2.02	1.92	1472894	424584	SLV 1	4.878				Si
1823	16.08	1.1	0	10,11	439719	115470	-21655	-2.02	1.92	1477175	387906	SLV 1	3.359				Si
1852	16.08	1.1	0	10,11	577658	144044	-21546	-2.02	1.92	1459014	363818	SLV 1	2.526				Si
1881	16.08	1.1	0	10,11	715673	172672	-21437	-2.02	1.92	1306373	315192	SLV 1	1.825				Si
1910	16.08	1.1	0	10,11	851346	200832	-21330	-2.02	1.92	1201436	283418	SLV 1	1.411				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2	0	1,2	688750	21004	-140333	1370200	41786	SLD 15	1.989	Si
-111	18.42	2	0	1,2	633782	18006	-140203	1315002	37359	SLD 15	2.075	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-81	20.11	1.1	0	2	577869	14956	-140071	1244974	32221	SLD 15	2.154	Si
-52	20.11	1.1	0	2	521965	11906	-139938	1151898	26275	SLD 15	2.207	Si
-22	20.11	1.1	0	2	466073	8858	-139806	1054184	20036	SLD 15	2.262	Si
7	20.11	1.1	0	2	410196	5811	-139674	951482	13480	SLD 15	2.32	Si
36	20.11	1.1	0	2	263163	-40347	-140103	618485	-94824	SLD 11	2.35	Si
66	20.11	1.1	0	2	221161	-35388	-139971	520265	-83246	SLD 11	2.352	Si
95	20.11	1.1	0	2	179214	-30448	-139838	421987	-71694	SLD 11	2.355	Si
125	20.11	1.1	0	2	137369	-25553	-139706	323761	-60225	SLD 11	2.357	Si
154	20.11	1.1	0	2	95777	-20834	-139574	225950	-49150	SLD 11	2.359	Si
184	20.11	1.1	0	2	51933	-16627	-139441	122633	-39261	SLD 11	2.361	Si
213	20.11	1.1	0	2	-10790	-9085	-139308	-25505	-21473	SLD 11	2.364	Si
242	20.11	1.1	0	2	-37742	-4774	-139177	-89292	-11296	SLD 11	2.366	Si
272	20.11	1.1	0	2	-77218	34	-139044	-182860	80	SLD 11	2.368	Si
301	20.11	1.1	0	2	-118242	4946	-138912	-280275	11723	SLD 11	2.37	Si
331	20.11	1.1	0	2	-159914	9895	-138780	-379415	23476	SLD 11	2.373	Si
360	20.11	1.1	0	2	-201066	14774	-138649	-477499	35086	SLD 11	2.375	Si
380	20.11	2.2	0	2,3	-112446	23764	-116394	-318101	67226	SLD 11	2.829	Si
409	20.11	2.2	0	2,3	-99445	21453	-116263	-281639	60758	SLD 11	2.832	Si
438	20.11	1.1	0	3	-83371	19092	-116133	-236380	54132	SLD 11	2.835	Si
467	20.11	1.1	0	3	-67787	16613	-116002	-192413	47157	SLD 11	2.838	Si
496	20.11	1.1	0	3	-53090	13741	-115872	-150863	39047	SLD 11	2.842	Si
525	20.11	1.1	0	3	-62496	11191	-115741	-177793	31838	SLD 11	2.845	Si
554	20.11	1.1	0	3	-58328	12725	-115611	-166123	36242	SLD 11	2.848	Si
583	20.11	1.1	0	3	-57989	9450	-115480	-165344	26944	SLD 11	2.851	Si
612	20.11	1.1	0	3	-59360	6886	-115350	-169444	19655	SLD 11	2.855	Si
641	20.11	1.1	0	3	-61547	4494	-115219	-175887	12843	SLD 11	2.858	Si
670	20.11	1.1	0	3	-64170	2169	-115089	-183590	6206	SLD 11	2.861	Si
690	20.11	2.2	0	3,4,6,7	79187	-7500	-93979	277444	-26278	SLD 11	3.504	Si
719	20.11	2.2	0	3,4,6,7	63430	-6065	-93851	222542	-21279	SLD 11	3.508	Si
748	20.11	1.1	0	4,6,7	47734	-4664	-93720	167704	-16388	SLD 11	3.513	Si
777	20.11	1.1	0	4,6,7	32873	-3414	-93590	115653	-12011	SLD 11	3.518	Si
806	20.11	1.1	0	4,6,7	20964	-2750	-93459	73861	-9690	SLD 11	3.523	Si
835	20.11	1.1	0	4,6,7	1025	5091	-93329	3615	17960	SLD 11	3.528	Si
864	20.11	1.1	0	4,6,7	-29368	5126	-93198	-103756	18110	SLD 11	3.533	Si
893	20.11	1.1	0	4,6,7	-42579	4472	-93068	-150644	15823	SLD 11	3.538	Si
922	20.11	1.1	0	4,6,7	-57769	5760	-92937	-204670	20406	SLD 11	3.543	Si
951	20.37	1.6	0	4,5,6,7	-73588	7174	-92807	-261905	25531	SLD 11	3.559	Si
980	27.42	2	0	4,5,6,7	-89402	8615	-92678	-345232	33266	SLD 11	3.862	Si
1000	20.11	2.4	0	5,6,7,8	-139613	72189	-66925	-546772	282714	SLD 5	3.916	Si
1029	17.8	2.4	0	5,6,7,8	29951	-1526	-71541	116594	-5939	SLD 11	3.893	Si
1058	16.08	1.1	0	8	24199	-10799	-71432	92066	-41087	SLD 11	3.805	Si
1087	16.08	1.1	0	8	20268	-7835	-71323	77229	-29854	SLD 11	3.81	Si
1116	16.08	1.1	0	8	20917	-6228	-71215	79824	-23767	SLD 11	3.816	Si
1145	16.08	1.1	0	8	-29313	7093	-71106	-112035	27112	SLD 11	3.822	Si
1174	16.08	1.1	0	8	-27916	10032	-70997	-106860	38401	SLD 11	3.828	Si
1203	16.08	1.1	0	8	-31467	10311	-70888	-120636	39530	SLD 11	3.834	Si
1232	16.08	1.1	0	8	-37044	11309	-70780	-142235	43424	SLD 11	3.84	Si
1261	16.08	1.1	0	8	-43520	12551	-70671	-167359	48265	SLD 11	3.846	Si
1290	16.08	1.1	0	8	156261	-66684	-65840	589907	-251743	SLD 5	3.775	Si
1310	16.08	2.1	0	8,9	-201909	83318	-46233	-911836	376271	SLD 5	4.516	Si
1339	16.08	2.1	0	8,9	-164186	65847	-46125	-798291	320155	SLD 5	4.862	Si
1368	16.08	1.1	0	9	-126629	48440	-46016	-666377	254911	SLD 5	5.262	Si
1397	16.08	1.1	0	9	49932	-15603	-49503	274126	-85659	SLD 11	5.49	Si
1426	16.08	1.1	0	9	34950	-16272	-49394	192295	-89528	SLD 11	5.502	Si
1455	16.08	1.1	0	9	-8182	-8059	-49285	-45116	-44440	SLD 11	5.514	Si
1484	16.08	1.1	0	9	-13455	-10143	-49177	-74356	-56053	SLD 11	5.526	Si
1513	16.08	1.1	0	9	-24684	-12508	-49068	-136713	-69275	SLD 11	5.539	Si
1542	16.08	1.1	0	9	106119	-59056	-45363	567816	-315990	SLD 5	5.351	Si
1571	16.08	1.1	0	9	143399	-76324	-45255	710812	-378331	SLD 5	4.957	Si
1600	16.08	1.1	0	9	180344	-93430	-45148	832927	-431513	SLD 5	4.619	Si
1620	16.08	2.1	0	9,10,11	-268811	-84617	-24434	-1417014	-446050	SLD 3	5.271	Si
1649	16.08	2.1	0	9,10,11	-197652	-56156	-24325	-1338261	-380219	SLD 3	6.771	Si
1678	16.08	1.1	0	10,11	-126540	-27748	-24217	-1093578	-239804	SLD 3	8.642	Si
1707	16.08	1.1	0	10,11	-37128	43400	-23911	-375387	438802	SLD 9	10.111	Si
1736	16.08	1.1	0	10,11	10371	38182	-25527	107642	396302	SLD 15	10.379	Si
1765	16.08	1.1	0	10,11	87890	41637	-23890	799670	378839	SLD 3	9.099	Si
1794	16.08	1.1	0	10,11	158813	87189	-23782	1068875	586817	SLD 3	6.73	Si
1823	16.08	1.1	0	10,11	229928	115530	-23673	1203195	604558	SLD 3	5.233	Si
1852	16.08	1.1	0	10,11	347281	110008	-23015	1430666	453192	SLD 1	4.12	Si
1881	16.08	1.1	0	10,11	429398	129523	-22906	1429154	431087	SLD 1	3.328	Si
1910	16.08	1.1	0	10,11	442223	200439	-23348	1227480	556360	SLD 3	2.776	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-131	-203083	SLU 23	15366	41879	42394	1.9	320.72	517	-190632	SLU 20	15029	44519	45954	2.3	86.06	Si
-111	5X/2Y Ø8/10	-131	-202953	SLU 23	15366	41879	42444	1.9	320.72	517	-190501	SLU 20	15029	44519	46003	2.3	86.06	Si
-81	5X/2Y Ø8/10	-131	-202820	SLU 23	15366	41879	42495	1.9	320.72	517	-190369	SLU 20	15029	44519	46052	2.3	86.06	Si
-52	5X/2Y Ø8/10	-131	-202688	SLU 23	15366	41879	42546	1.9	320.72	517	-190237	SLU 20	15029	44519	46102	2.3	86.06	Si
-22	5X/2Y Ø8/14.7	-131	-202556	SLU 23	15366	35892	36693	2.4	274.87	529	-158690	SLU 15	15029	32833	54625	2.5	62.03	Si
7	5X/2Y Ø8/14.7	-131	-202423	SLU 23	15366	35892	36737	2.4	274.87	529	-158557	SLU 15	15029	32833	54672	2.5	62.03	Si
36	5X/2Y Ø8/14.7	-131	-202291	SLU 23	15366	35892	36781	2.4	274.87	529	-158425	SLU 15	15029	32833	54719	2.5	62.03	Si
66	5X/2Y Ø8/14.7	-131	-202159	SLU 23	15366	35892	36825	2.4	274.87	529	-158293	SLU 15	15029	32833	54766	2.5	62.03	Si
95	5X/2Y Ø8/14.7	-131	-202026	SLU 23	15366	35892	36869	2.4	274.87	529	-158160	SLU 15	15029	32833	54812	2.5	62.03	Si
125	5X/2Y Ø8/14.7	-131	-201894	SLU 23	15366	35892	36913	2.4	274.87	529	-158028	SLU 15	15029	32833	54859	2.5	62.03	Si
154	5X/2Y Ø8/14.7	-131	-201762	SLU 23	15366	35892	36957	2.4	274.87	529	-157896	SLU 15	15029	32833	54906	2.5	62.03	Si
184	5X/2Y Ø8/14.7	-131	-201629	SLU 23	15366	35892	37001	2.4	274.87	529	-157763	SLU 15	15029	32833	54953	2.5	62.03	Si
213	5X/2Y Ø8/14.7	-131	-201496	SLU 23	15366	35892	37045	2.4	274.87	529	-157630	SLU 15	15029	32833	55000	2.5	62.03	Si
242	5X/2Y Ø8/10	-131	-201365	SLU 23	15366	41875	43055	1.9	320.68	522	-188292	SLU 19	15029	45482	46143	2.35	87.14	Si
272	5X/2Y Ø8/10	-131	-201232	SLU 23	15366	41875	43106	1.9	320.68	522	-188160	SLU 19	15029	45482	46192	2.35	87.14	Si
301	5X/2Y Ø8/10	-131	-201100	SLU 23	15366	41875	43157	1.9	320.68	522	-188027	SLU 19	15029	45482	46241	2.35	87.14	Si
331	5X/2Y Ø8/10	-131	-200967	SLU 23	15366	41875	43208	1.9	320.68	522	-187895	SLU 19	15029	45482	46290	2.35	87.14	Si
360	5X/2Y Ø8/10	-131	-200837	SLU 23	15366	41875	43258	1.9	320.68	522	-187765	SLU 19	15029	45482	46338	2.35	87.14	Si
380	5X/2Y Ø8/10	-702	-184778	SLU 49	15366	46282	46562	2.1	65.9	844	-185390	SLU 51	15029	46450	46525	2.4	55.05	Si
409	5X/2Y Ø8/10	-702	-184608	SLU 49	15366	46282	46624	2.1	65.9	844	-185221	SLU 51	15029	46450	46587	2.4	55.05	Si
438	5X/2Y Ø8/10	-702	-184438	SLU 49	15366	46282	46685	2.1	65.9	844	-185051	SLU 51	15029	46450	46649	2.4	55.05	Si
467	5X/2Y Ø8/14.4	-746	-167898	SLU 23	15366	38145	46798	2.5	51.15	844	-184881	SLU 51	15029	33497	45368	2.5	39.7	Si
496	5X/2Y Ø8/14.4	-746	-167767	SLU 23	15366	38145	46840	2.5	51.15	844	-184712	SLU 51	15029	33497	45428	2.5	39.7	Si
525	5X/2Y Ø8/14.4	-746	-167637	SLU 23	15366	38145	46882	2.5	51.15	844	-184542	SLU 51	15029	33497	45488	2.5	39.7	Si
554	5X/2Y Ø8/14.4	-746	-167506	SLU 23	15366	38145	46924	2.5	51.15	844	-184372	SLU 51	15029	33497	45548	2.5	39.7	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
583	5X/2Y Ø8/14.4	-746	-167376	SLU 23	15366	38145	46966	2.5	51.15	844	-184203	SLU 51	15029	33497	45608	2.5	39.7	Si
612	5X/2Y Ø8/10	-702	-183421	SLU 49	15366	46282	47054	2.1	65.9	844	-184033	SLU 51	15029	46450	47019	2.4	55.05	Si
641	5X/2Y Ø8/10	-702	-183251	SLU 49	15366	46282	47116	2.1	65.9	844	-183863	SLU 51	15029	46450	47081	2.4	55.05	Si
670	5X/2Y Ø8/10	-702	-183081	SLU 49	15366	46282	47177	2.1	65.9	844	-183694	SLU 51	15029	46450	47142	2.4	55.05	Si
690	5X/2Y Ø8/10	-558	-136235	SLU 23	15366	51792	52691	2.35	92.77	755	-149694	SLU 50	15029	48385	55356	2.5	64.1	Si
719	5X/2Y Ø8/10	-558	-136107	SLU 23	15366	51792	52691	2.35	92.77	755	-149527	SLU 50	15029	48385	55356	2.5	64.1	Si
748	5X/2Y Ø8/10	-558	-135976	SLU 23	15366	51792	52691	2.35	92.77	755	-149358	SLU 50	15029	48385	55356	2.5	64.1	Si
777	5X/2Y Ø8/14.4	-558	-135846	SLU 23	15366	38145	50429	2.5	68.32	755	-149188	SLU 50	15029	33497	55356	2.5	44.37	Si
806	5X/2Y Ø8/14.4	-558	-135715	SLU 23	15366	38145	50429	2.5	68.32	755	-149018	SLU 50	15029	33497	55356	2.5	44.37	Si
835	5X/2Y Ø8/14.4	-558	-135585	SLU 23	15366	38145	50429	2.5	68.32	755	-148849	SLU 50	15029	33497	55356	2.5	44.37	Si
864	5X/2Y Ø8/14.4	-558	-135454	SLU 23	15366	38145	50429	2.5	68.32	755	-148679	SLU 50	15029	33497	55356	2.5	44.37	Si
893	5X/2Y Ø8/14.4	-558	-135324	SLU 23	15366	38145	50429	2.5	68.32	755	-148509	SLU 50	15029	33497	55356	2.5	44.37	Si
922	5X/2Y Ø8/10	-558	-135193	SLU 23	15366	51792	52691	2.35	92.77	755	-148340	SLU 50	15029	48385	55356	2.5	64.1	Si
951	5X/2Y Ø8/10	-558	-135063	SLU 23	15366	51792	52691	2.35	92.77	755	-148170	SLU 50	15029	48385	55356	2.5	64.1	Si
980	5X/2Y Ø8/10	-558	-134935	SLU 23	15366	51792	52691	2.35	92.77	755	-148003	SLU 50	15029	48385	55356	2.5	64.1	Si
1000	4X/2Y Ø8/10	-475	-104285	SLU 23	12805	42315	43268	2.4	89.13	713	-114657	SLU 49	12600	39534	45230	2.5	55.44	Si
1029	4X/2Y Ø8/10	-475	-104176	SLU 23	12805	42315	43268	2.4	89.13	713	-114515	SLU 49	12600	39534	45230	2.5	55.44	Si
1058	4X/2Y Ø8/10	-475	-104067	SLU 23	12805	42315	43268	2.4	89.13	713	-114374	SLU 49	12600	39534	45230	2.5	55.44	Si
1087	4X/2Y Ø8/14.4	-475	-103958	SLU 23	12805	30516	42024	2.5	64.27	713	-114232	SLU 49	12600	27370	45230	2.5	38.38	Si
1116	4X/2Y Ø8/14.4	-475	-103850	SLU 23	12805	30516	42024	2.5	64.27	713	-114091	SLU 49	12600	27370	45230	2.5	38.38	Si
1145	4X/2Y Ø8/14.4	-475	-103741	SLU 23	12805	30516	42024	2.5	64.27	713	-113950	SLU 49	12600	27370	45230	2.5	38.38	Si
1174	4X/2Y Ø8/14.4	-475	-103632	SLU 23	12805	30516	42024	2.5	64.27	713	-113808	SLU 49	12600	27370	45230	2.5	38.38	Si
1203	4X/2Y Ø8/14.4	-475	-103523	SLU 23	12805	30516	42024	2.5	64.27	713	-113667	SLU 49	12600	27370	45230	2.5	38.38	Si
1232	4X/2Y Ø8/10	-475	-103415	SLU 23	12805	42315	43268	2.4	89.13	713	-113526	SLU 49	12600	39534	45230	2.5	55.44	Si
1261	4X/2Y Ø8/10	-475	-103306	SLU 23	12805	42315	43268	2.4	89.13	713	-113384	SLU 49	12600	39534	45230	2.5	55.44	Si
1290	4X/2Y Ø8/10	-475	-103199	SLU 23	12805	42315	43268	2.4	89.13	713	-113245	SLU 49	12600	39534	45230	2.5	55.44	Si
1310	4X/2Y Ø8/10	-623	-73175	SLU 23	12805	42315	43268	2.4	67.96	776	-80611	SLU 50	12600	39534	45230	2.5	50.96	Si
1339	4X/2Y Ø8/10	-623	-73066	SLU 23	12805	42315	43268	2.4	67.96	776	-80470	SLU 50	12600	39534	45230	2.5	50.96	Si
1368	4X/2Y Ø8/10	-623	-72957	SLU 23	12805	42315	43268	2.4	67.96	776	-80328	SLU 50	12600	39534	45230	2.5	50.96	Si
1397	4X/2Y Ø8/14.4	-623	-72849	SLU 23	12805	30516	42024	2.5	49.01	776	-80187	SLU 50	12600	27370	45230	2.5	35.28	Si
1426	4X/2Y Ø8/14.4	-623	-72740	SLU 23	12805	30516	42024	2.5	49.01	776	-80046	SLU 50	12600	27370	45230	2.5	35.28	Si
1455	4X/2Y Ø8/14.4	-623	-72631	SLU 23	12805	30516	42024	2.5	49.01	776	-79904	SLU 50	12600	27370	45230	2.5	35.28	Si
1484	4X/2Y Ø8/14.4	-623	-72522	SLU 23	12805	30516	42024	2.5	49.01	776	-79763	SLU 50	12600	27370	45230	2.5	35.28	Si
1513	4X/2Y Ø8/14.4	-623	-72414	SLU 23	12805	30516	42024	2.5	49.01	776	-79622	SLU 50	12600	27370	45230	2.5	35.28	Si
1542	4X/2Y Ø8/10	-623	-72305	SLU 23	12805	42315	43268	2.4	67.96	776	-79480	SLU 50	12600	39534	45230	2.5	50.96	Si
1571	4X/2Y Ø8/10	-623	-72196	SLU 23	12805	42315	43268	2.4	67.96	776	-79339	SLU 50	12600	39534	45230	2.5	50.96	Si
1600	4X/2Y Ø8/10	-623	-72089	SLU 23	12805	42315	43268	2.4	67.96	776	-79200	SLU 50	12600	39534	45230	2.5	50.96	Si
1620	4X/2Y Ø8/10	829	-34804	SLU 35	10638	39671	41009	2.25	47.83	2745	-43924	SLU 52	11490	39534	42273	2.5	14.4	Si
1649	4X/2Y Ø8/10	829	-34662	SLU 35	10621	39671	40989	2.25	47.83	2745	-43782	SLU 52	11471	39534	42253	2.5	14.4	Si
1678	4X/2Y Ø8/10	829	-34521	SLU 35	10603	39671	40970	2.25	47.83	2745	-43641	SLU 52	11452	39534	42233	2.5	14.4	Si
1707	4X/2Y Ø8/14.4	829	-34379	SLU 35	10586	30516	38047	2.5	36.8	2745	-43500	SLU 52	11433	27370	42214	2.5	9.97	Si
1736	4X/2Y Ø8/14.4	829	-34238	SLU 35	10568	30516	38029	2.5	36.8	2745	-43358	SLU 52	11415	27370	42194	2.5	9.97	Si
1765	4X/2Y Ø8/14.4	829	-34097	SLU 35	10550	30516	38011	2.5	36.8	2745	-43217	SLU 52	11396	27370	42175	2.5	9.97	Si
1794	4X/2Y Ø8/14.4	829	-33955	SLU 35	10533	30516	37993	2.5	36.8	2745	-43076	SLU 52	11377	27370	42155	2.5	9.97	Si
1823	4X/2Y Ø8/14.4	829	-33814	SLU 35	10515	30516	37975	2.5	36.8	2745	-42934	SLU 52	11358	27370	42135	2.5	9.97	Si
1852	4X/2Y Ø8/10	829	-33673	SLU 35	10498	39671	40852	2.25	47.83	2745	-42793	SLU 52	11339	39534	42116	2.5	14.4	Si
1881	4X/2Y Ø8/10	829	-33531	SLU 35	10480	39671	40832	2.25	47.83	2745	-42651	SLU 52	11320	39534	42096	2.5	14.4	Si
1910	4X/2Y Ø8/10	829	-33392	SLU 35	10463	39671	40813	2.25	47.83	2745	-42512	SLU 52	11301	39534	42077	2.5	14.4	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-783	-130538	SLV 9	15366	51797	52691	2.35	66.18	-4334	-145609	SLV 15	15029	48390	55356	2.5	11.17	Si
-111	5X/2Y Ø8/10	-783	-130408	SLV 9	15366	51797	52691	2.35	66.18	-4334	-145479	SLV 15	15029	48390	55356	2.5	11.17	Si
-81	5X/2Y Ø8/10	-783	-130276	SLV 9	15366	51797	52691	2.35	66.18	-4334	-145347	SLV 15	15029	48390	55356	2.5	11.17	Si
-52	5X/2Y Ø8/10	-783	-130144	SLV 9	15366	51797	52691	2.35	66.18	-4334	-145214	SLV 15	15029	48390	55356	2.5	11.17	Si
-22	5X/2Y Ø8/14.7	-783	-130011	SLV 9	15366	37388	50429	2.5	47.77	-4334	-145082	SLV 15	15029	32833	55356	2.5	7.58	Si
7	5X/2Y Ø8/14.7	-783	-129879	SLV 9	15366	37388	50429	2.5	47.77	-4334	-144949	SLV 15	15029	32833	55356	2.5	7.58	Si
36	5X/2Y Ø8/14.7	-783	-129746	SLV 9	15366	37388	50429	2.5	47.77	-4334	-144817	SLV 15	15029	32833	55356	2.5	7.58	Si
66	5X/2Y Ø8/14.7	-783	-129614	SLV 9	15366	37388	50429	2.5	47.77	-4334	-144685	SLV 15	15029	32833	55356	2.5	7.58	Si
95	5X/2Y Ø8/14.7	-783	-129482	SLV 9	15366	37388	50429	2.5	47.77	-4334	-144552	SLV 15	15029	32833	55356	2.5	7.58	Si
125	5X/2Y Ø8/14.7	-783	-129349	SLV 9	15366	37388	50429	2.5	47.77	-4334	-144420	SLV 15	15029	32833	55356	2.5	7.58	Si
154	5X/2Y Ø8/14.7	-783	-129217	SLV 9	15366	37388	50429	2.5	47.77	-4334	-144288	SLV 15	15029	32833	55356	2.5	7.58	Si
184	5X/2Y Ø8/14.7	-783	-129085	SLV 9	15366	37388	50429	2.5	47.77	-4334	-144155	SLV 15	15029	32833	55356	2.5	7.58	Si
213	5X/2Y Ø8/14.7	-783	-128951	SLV 9	15366	37388	50429	2.5	47.77	-4334	-144022	SLV 15	15029	32833	55356	2.5	7.58	Si
242	5X/2Y Ø8/10	-783	-128820	SLV 9	15366	51792	52691	2.35	66.17	-4334	-143891	SLV 15	15029	48385	55356	2.5	11.16	Si
272	5X/2Y Ø8/10	-783	-128688	SLV 9	15366	51792	52691	2.35	66.17	-4334	-143758	SLV 15	15029	48385	55356	2.5	11.16	Si
301	5X/2Y Ø8/10	-783	-128555	SLV 9	15366	51792	52691	2.35	66.17	-4334	-143626	SLV 15	15029	48385	55356	2.5	11.16	Si
331	5X/2Y Ø8/10	-783	-128423	SLV 9	15366	51792	52691	2.35	66.17	-4334	-143494	SLV 15	15029	48385	55356	2.5	11.16	Si
360	5X/2Y Ø8/10	-783	-128293	SLV 9	15366	51792	52691	2.35	66.17	-4334	-143363	SLV 15	15029	48385	55356	2.5	11.16	Si
380	5X/2Y Ø8/10	-1468	-107513	SLV 9	15366	51792	52691	2.35	35.29	2544	-105260	SLV 1	15029	48385	55356	2.5	19.02	Si
409	5X/2Y Ø8/10	-1468	-107383	SLV 9	15366	51792	52691	2.35	35.29	2544	-105129	SLV 1	15029	48385	55356	2.5	19.02	Si
438	5X/2Y Ø8/10	-1468	-107252	SLV 9	15366	51792	52691	2.35	35.29	2544	-104999	SLV 1	15029	48385	55356	2.5	19.02	Si
467	5X/2Y Ø8/14.4	-1468	-107122	SLV 9	15366	38145	50429	2.5	25.99	2544	-104868	SLV 1	15029	33497	55356	2.5	13.17	Si
496	5X/2Y Ø8/14.4	-1468	-106991	SLV 9	15366	38145	50429	2.5	25.99	2544	-104738	SLV 1	15029	33497	55356	2.5	13.17	Si
525	5X/2Y Ø8/14.4	-1468	-106861	SLV 9	15366	38145	50429	2.5	25.99	2544	-104607	SLV 1	15029	33497	55356	2.5	13.17	Si
554	5X/2Y Ø8/14.4	-1468	-106730	SLV 9	15366	38145	50429	2.5	25.99	2544	-104477	SLV 1	15029	33497	55356	2.5	13.17	Si
583	5X/2Y Ø8/14.4	-1468	-106600	SLV 9	15366	38145	50429	2.5	25.99	2544	-104346	SLV 1	15029	33497	55356	2.5	13.17	Si
612	5X/2Y Ø8/10	-1468	-106469	SLV 9	15366	51792	52691	2.35	35.29	2544	-104216	SLV 1	15029	48385	55356	2.5	19.02	Si
641	5X/2Y Ø8/10	-1468	-106339	SLV 9	15366	51792	52691	2.35	35.29	2544	-104085	SLV 1	15029	48385	55356	2.5	19.02	Si
670	5X/2Y Ø8/10	-1468	-106208	SLV 9	15366	51792	52691	2.35	35.29	2544	-103955	SLV 1	15029	48385	55356	2.5	19.02	Si
690	5X/2Y Ø8/10	-1382	-86665	SLV 9	15366	51792	52691	2.35	37.47	3511	-84553	SLV 1	15029	48385	55356	2.5	13.78	Si
719	5X/2Y Ø8/10	-1382	-86536	SLV 9	15366	51792	52691	2.35	37.47	3511	-84424	SLV 1	15029	48385	55356	2.5	13.78	Si
748	5X/2Y Ø8/10	-1382	-86406	SLV 9	15366	51792	52691	2.35	37.47	3511	-84294	SLV 1	15029	48385	55356	2.5	13.78	Si
777	5X/2Y Ø8/14.4	-1382	-86275	SLV 9	15366	38145	50429	2.5	27.59	3511	-84163	SLV 1	15029	33497	55356	2.5	9.54	Si
806	5X/2Y Ø8/14.4	-1382	-86145	SLV 9	15366	38145	50429	2.5	27.59	3511	-84033	SLV 1	15029	33497	55356	2.5	9.54	Si
835	5X/2Y Ø8/14.4	-1382	-86014	SLV 9	15366	38145	50429	2.5	27.59	3511	-83902	SLV 1	15029	33497	55356	2.5	9.54	Si
864	5X/2Y Ø8/14.4	-1382	-85884	SLV 9	15366	38145	50429	2.5	27.59	3511	-83772	SLV 1	15029	33497	55356	2.5	9.54	Si
893	5X/2Y Ø8/14.4	-1382	-85753	SLV 9	15366	38145	50429	2.5	27.59	3511	-83641	SLV 1	15029	33497	55356	2.5	9.54	Si
922	5X/2Y Ø8/10	-1382	-85623	SLV 9	15366	51792	52691	2.35	37.47	3511	-83511	SLV 1	15029	48385	55356	2.5	13.78	Si
951	5X/2Y Ø8/10	-1382	-85492	SLV 9	15366	51792	52691	2.35	37.47	3511	-83380	SLV 1	15029	48385	55356	2.5	13.78	Si
980	5X/2Y Ø8/10	-1382	-85364	SLV 9	15366	51792	52691	2.35	37.47	3511	-83252	SLV 1	15029	48385	55356	2.5	13.78	Si
1000	4X/2Y Ø8/10	-1172	-65803	SLV 9	12805	42315	43268	2.4	36.11	2703	-63955	SLV 1	12600	39534	45049	2.5	14.63	Si
1029	4X/2Y Ø8/10	-1172	-65694	SLV 9	12805	42315	43268	2.4	36.11	2703	-63846	SLV 1	12600	39534	45034	2.5	14.63	Si
1058	4X/2Y Ø8/10	-1172	-65585	SLV 9	12805	42315	43268	2.4	36.11	2703	-63737	SLV 1	12600	39534	45019	2.5	14.63	Si
1087	4X/2Y Ø8/14.4	-1172	-65476	SLV 9	12805	30516	42024	2.5	26.04	2703	-63629	SLV 1	12600	27370	45004	2.5	10.13	Si
1116	4X/2Y Ø8/14.4	-1172	-65368	SLV 9	12805	30516	42024	2.5	26.04	2703	-63520	SLV 1	12600	27370	44989	2.5	10.13	Si
1145	4X/2Y Ø8/14.4	-1172	-65259	SLV 9	12805	30516	42024	2.5	26.04	2703	-63411	SLV 1	12600	27370	44974	2.5	10.13	Si
1174	4X/2Y Ø8/14.4	-1172	-65150	SLV 9	12805	30516	42010	2.5	26.04	2703	-63302	SLV 1	12600	27370	44959	2.5	10.13	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1203	4X/2Y Ø8/14.4	-1172	-65041	SLV 9	12805	30516	41996	2.5	26.04	2703	-63194	SLV 1	12600	27370	44944	2.5	10.13	Si
1232	4X/2Y Ø8/10	-1172	-64933	SLV 9	12805	42315	43224	2.4	36.11	2703	-63085	SLV 1	12600	39534	44929	2.5	14.63	Si
1261	4X/2Y Ø8/10	-1172	-64824	SLV 9	12805	42315	43210	2.4	36.11	2703	-62976	SLV 1	12600	39534	44914	2.5	14.63	Si
1290	4X/2Y Ø8/10	-1172	-64717	SLV 9	12805	42315	43196	2.4	36.11	2703	-62869	SLV 1	12600	39534	44899	2.5	14.63	Si
1310	4X/2Y Ø8/10	-1469	-45396	SLV 9	11957	40552	41850	2.3	27.6	3262	-44053	SLV 1	11508	39534	42291	2.5	12.12	Si
1339	4X/2Y Ø8/10	-1469	-45287	SLV 9	11944	40552	41836	2.3	27.6	3262	-43945	SLV 1	11493	39534	42276	2.5	12.12	Si
1368	4X/2Y Ø8/10	-1469	-45178	SLV 9	11930	40552	41821	2.3	27.6	3262	-43836	SLV 1	11479	39534	42260	2.5	12.12	Si
1397	4X/2Y Ø8/14.4	-1469	-45069	SLV 9	11917	30516	39424	2.5	20.77	3262	-43727	SLV 1	11464	27370	42245	2.5	8.39	Si
1426	4X/2Y Ø8/14.4	-1469	-44961	SLV 9	11903	30516	39410	2.5	20.77	3262	-43618	SLV 1	11449	27370	42230	2.5	8.39	Si
1455	4X/2Y Ø8/14.4	-1469	-44852	SLV 9	11889	30516	39396	2.5	20.77	3262	-43510	SLV 1	11435	27370	42215	2.5	8.39	Si
1484	4X/2Y Ø8/14.4	-1469	-44743	SLV 9	11876	30516	39382	2.5	20.77	3262	-43401	SLV 1	11420	27370	42200	2.5	8.39	Si
1513	4X/2Y Ø8/14.4	-1469	-44634	SLV 9	11862	30516	39368	2.5	20.77	3262	-43292	SLV 1	11406	27370	42185	2.5	8.39	Si
1542	4X/2Y Ø8/10	-1469	-44526	SLV 9	11849	40552	41732	2.3	27.6	3262	-43183	SLV 1	11391	39534	42170	2.5	12.12	Si
1571	4X/2Y Ø8/10	-1469	-44417	SLV 9	11835	40552	41717	2.3	27.6	3262	-43075	SLV 1	11377	39534	42155	2.5	12.12	Si
1600	4X/2Y Ø8/10	-1469	-44310	SLV 9	11822	40552	41702	2.3	27.6	3262	-42968	SLV 1	11362	39534	42140	2.5	12.12	Si
1620	4X/2Y Ø8/10	1964	-26560	SLV 7	9612	39671	39866	2.25	20.2	4763	-22416	SLV 1	8608	38743	39866	2.45	8.13	Si
1649	4X/2Y Ø8/10	1964	-26451	SLV 7	9599	39671	39851	2.25	20.2	4763	-22307	SLV 1	8594	38743	39851	2.45	8.13	Si
1678	4X/2Y Ø8/10	1964	-26343	SLV 7	9585	39671	39836	2.25	20.2	4763	-22198	SLV 1	8579	38743	39836	2.45	8.13	Si
1707	4X/2Y Ø8/14.4	1964	-26234	SLV 7	9572	30516	36998	2.5	15.54	4763	-22090	SLV 1	8565	27370	39246	2.5	5.75	Si
1736	4X/2Y Ø8/14.4	1964	-26125	SLV 7	9558	30516	36984	2.5	15.54	4763	-21981	SLV 1	8550	27370	39231	2.5	5.75	Si
1765	4X/2Y Ø8/14.4	1964	-26016	SLV 7	9544	30516	36970	2.5	15.54	4763	-21872	SLV 1	8535	27370	39216	2.5	5.75	Si
1794	4X/2Y Ø8/14.4	1964	-25908	SLV 7	9531	30516	36956	2.5	15.54	4763	-21763	SLV 1	8521	27370	39201	2.5	5.75	Si
1823	4X/2Y Ø8/14.4	1964	-25799	SLV 7	9517	30516	36942	2.5	15.54	4763	-21655	SLV 1	8506	27370	39186	2.5	5.75	Si
1852	4X/2Y Ø8/10	1964	-25690	SLV 7	9504	39671	39745	2.25	20.2	4763	-21546	SLV 1	8492	38743	39744	2.45	8.13	Si
1881	4X/2Y Ø8/10	1964	-25581	SLV 7	9490	39671	39730	2.25	20.2	4763	-21437	SLV 1	8477	38743	39729	2.45	8.13	Si
1910	4X/2Y Ø8/10	1964	-25475	SLV 7	9477	39671	39716	2.25	20.2	4763	-21330	SLV 1	8463	38743	39714	2.45	8.13	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-337	-134408	SLD 9	19266	55104	50429	2.5	149.81	-1902	-140333	SLD 15	19310	48390	55356	2.5	25.44	Si
-111	5X/2Y Ø8/10	-337	-134278	SLD 9	19266	55104	50429	2.5	149.81	-1902	-140203	SLD 15	19310	48390	55356	2.5	25.44	Si
-81	5X/2Y Ø8/10	-337	-134145	SLD 9	19266	55104	50429	2.5	149.81	-1902	-140071	SLD 15	19310	48390	55356	2.5	25.44	Si
-52	5X/2Y Ø8/10	-337	-134013	SLD 9	19266	55104	50429	2.5	149.81	-1902	-139938	SLD 15	19310	48390	55356	2.5	25.44	Si
-22	5X/2Y Ø8/14.7	-337	-133880	SLD 9	19266	37388	50429	2.5	111.07	-1902	-139806	SLD 15	19310	32833	55356	2.5	17.26	Si
7	5X/2Y Ø8/14.7	-337	-133748	SLD 9	19266	37388	50429	2.5	111.07	-1902	-139674	SLD 15	19310	32833	55356	2.5	17.26	Si
36	5X/2Y Ø8/14.7	-337	-133616	SLD 9	19266	37388	50429	2.5	111.07	-1902	-139541	SLD 15	19310	32833	55356	2.5	17.26	Si
66	5X/2Y Ø8/14.7	-337	-133483	SLD 9	19266	37388	50429	2.5	111.07	-1902	-139409	SLD 15	19310	32833	55356	2.5	17.26	Si
95	5X/2Y Ø8/14.7	-337	-133351	SLD 9	19266	37388	50429	2.5	111.07	-1902	-139277	SLD 15	19310	32833	55356	2.5	17.26	Si
125	5X/2Y Ø8/14.7	-337	-133219	SLD 9	19266	37388	50429	2.5	111.07	-1902	-139144	SLD 15	19310	32833	55356	2.5	17.26	Si
154	5X/2Y Ø8/14.7	-337	-133086	SLD 9	19266	37388	50429	2.5	111.07	-1902	-139012	SLD 15	19310	32833	55356	2.5	17.26	Si
184	5X/2Y Ø8/14.7	-337	-132954	SLD 9	19266	37388	50429	2.5	111.07	-1902	-138879	SLD 15	19310	32833	55356	2.5	17.26	Si
213	5X/2Y Ø8/14.7	-337	-132820	SLD 9	19266	37388	50429	2.5	111.07	-1902	-138746	SLD 15	19310	32833	55356	2.5	17.26	Si
242	5X/2Y Ø8/10	-337	-132689	SLD 9	19266	55098	50429	2.5	149.81	-1902	-138615	SLD 15	19310	48385	55356	2.5	25.43	Si
272	5X/2Y Ø8/10	-337	-132557	SLD 9	19266	55098	50429	2.5	149.81	-1902	-138482	SLD 15	19310	48385	55356	2.5	25.43	Si
301	5X/2Y Ø8/10	-337	-132425	SLD 9	19266	55098	50429	2.5	149.81	-1902	-138350	SLD 15	19310	48385	55356	2.5	25.43	Si
331	5X/2Y Ø8/10	-337	-132292	SLD 9	19266	55098	50429	2.5	149.81	-1902	-138218	SLD 15	19310	48385	55356	2.5	25.43	Si
360	5X/2Y Ø8/10	-337	-132162	SLD 9	19266	55098	50429	2.5	149.81	-1902	-138088	SLD 15	19310	48385	55356	2.5	25.43	Si
380	5X/2Y Ø8/10	-806	-110784	SLD 9	19266	55098	50429	2.5	62.6	1265	-109903	SLD 1	19310	48385	55356	2.5	38.25	Si
409	5X/2Y Ø8/10	-806	-110654	SLD 9	19266	55098	50429	2.5	62.6	1265	-109773	SLD 1	19310	48385	55356	2.5	38.25	Si
438	5X/2Y Ø8/10	-806	-110523	SLD 9	19266	55098	50429	2.5	62.6	1265	-109642	SLD 1	19310	48385	55356	2.5	38.25	Si
467	5X/2Y Ø8/14.4	-806	-110393	SLD 9	19266	38145	50429	2.5	47.35	1265	-109512	SLD 1	19310	33497	55356	2.5	26.48	Si
496	5X/2Y Ø8/14.4	-806	-110262	SLD 9	19266	38145	50429	2.5	47.35	1265	-109381	SLD 1	19310	33497	55356	2.5	26.48	Si
525	5X/2Y Ø8/14.4	-806	-110132	SLD 9	19266	38145	50429	2.5	47.35	1265	-109251	SLD 1	19310	33497	55356	2.5	26.48	Si
554	5X/2Y Ø8/14.4	-806	-110001	SLD 9	19266	38145	50429	2.5	47.35	1265	-109120	SLD 1	19310	33497	55356	2.5	26.48	Si
583	5X/2Y Ø8/14.4	-806	-109871	SLD 9	19266	38145	50429	2.5	47.35	1265	-108990	SLD 1	19310	33497	55356	2.5	26.48	Si
612	5X/2Y Ø8/10	-806	-109740	SLD 9	19266	55098	50429	2.5	62.6	1265	-108859	SLD 1	19310	48385	55356	2.5	38.25	Si
641	5X/2Y Ø8/10	-806	-109610	SLD 9	19266	55098	50429	2.5	62.6	1265	-108729	SLD 1	19310	48385	55356	2.5	38.25	Si
670	5X/2Y Ø8/10	-806	-109479	SLD 9	19266	55098	50429	2.5	62.6	1265	-108598	SLD 1	19310	48385	55356	2.5	38.25	Si
690	5X/2Y Ø8/10	-694	-89307	SLD 9	18685	55098	50429	2.5	72.62	1571	-88481	SLD 1	18559	48385	55356	2.5	30.8	Si
719	5X/2Y Ø8/10	-694	-89179	SLD 9	18669	55098	50429	2.5	72.62	1571	-88353	SLD 1	18542	48385	55356	2.5	30.8	Si
748	5X/2Y Ø8/10	-694	-89048	SLD 9	18653	55098	50429	2.5	72.62	1571	-88223	SLD 1	18524	48385	55356	2.5	30.8	Si
777	5X/2Y Ø8/14.4	-694	-88918	SLD 9	18637	38145	50429	2.5	54.93	1571	-88092	SLD 1	18506	33497	55356	2.5	21.32	Si
806	5X/2Y Ø8/14.4	-694	-88787	SLD 9	18620	38145	50429	2.5	54.93	1571	-87962	SLD 1	18488	33497	55356	2.5	21.32	Si
835	5X/2Y Ø8/14.4	-694	-88657	SLD 9	18604	38145	50429	2.5	54.93	1571	-87831	SLD 1	18470	33497	55356	2.5	21.32	Si
864	5X/2Y Ø8/14.4	-694	-88526	SLD 9	18588	38145	50429	2.5	54.93	1571	-87701	SLD 1	18453	33497	55356	2.5	21.32	Si
893	5X/2Y Ø8/14.4	-694	-88396	SLD 9	18572	38145	50429	2.5	54.93	1571	-87570	SLD 1	18435	33497	55356	2.5	21.32	Si
922	5X/2Y Ø8/10	-694	-88265	SLD 9	18556	55098	50429	2.5	72.62	1571	-87440	SLD 1	18417	48385	55356	2.5	30.8	Si
951	5X/2Y Ø8/10	-694	-88135	SLD 9	18539	55098	50429	2.5	72.62	1571	-87309	SLD 1	18399	48385	55356	2.5	30.8	Si
980	5X/2Y Ø8/10	-694	-88007	SLD 9	18523	55098	50429	2.5	72.62	1571	-87181	SLD 1	18381	48385	55356	2.5	30.8	Si
1000	4X/2Y Ø8/10	-588	-67870	SLD 9	14755	44078	42024	2.5	71.45	1277	-67146	SLD 1	14602	39534	45230	2.5	30.96	Si
1029	4X/2Y Ø8/10	-588	-67761	SLD 9	14742	44078	42024	2.5	71.45	1277	-67037	SLD 1	14587	39534	45230	2.5	30.96	Si
1058	4X/2Y Ø8/10	-588	-67652	SLD 9	14728	44078	42024	2.5	71.45	1277	-66929	SLD 1	14573	39534	45230	2.5	30.96	Si
1087	4X/2Y Ø8/14.4	-588	-67544	SLD 9	14715	30516	42024	2.5	51.88	1277	-66820	SLD 1	14558	27370	45230	2.5	21.43	Si
1116	4X/2Y Ø8/14.4	-588	-67435	SLD 9	14701	30516	42024	2.5	51.88	1277	-66711	SLD 1	14544	27370	45230	2.5	21.43	Si
1145	4X/2Y Ø8/14.4	-588	-67326	SLD 9	14687	30516	42024	2.5	51.88	1277	-66602	SLD 1	14529	27370	45230	2.5	21.43	Si
1174	4X/2Y Ø8/14.4	-588	-67217	SLD 9	14674	30516	42024	2.5	51.88	1277	-66494	SLD 1	14515	27370	45230	2.5	21.43	Si
1203	4X/2Y Ø8/14.4	-588	-67109	SLD 9	14660	30516	42024	2.5	51.88	1277	-66385	SLD 1	14500	27370	45230	2.5	21.43	Si
1232	4X/2Y Ø8/10	-588	-67000	SLD 9	14647	44078	42024	2.5	71.45	1277	-66276	SLD 1	14485	39534	45230	2.5	30.96	Si
1261	4X/2Y Ø8/10	-588	-66891	SLD 9	14633	44078	42024	2.5	71.45	1277	-66167	SLD 1	14471	39534	45230	2.5	30.96	Si
1290	4X/2Y Ø8/10	-588	-66784	SLD 9	14620	44078	42024	2.5	71.45	1277	-66060	SLD 1	14457	39534	45230	2.5	30.96	Si
1310	4X/2Y Ø8/10	-784	-46945	SLD 9	12150	44078	39666	2.5	50.62	1554	-46413	SLD 1	11824	39534	42618	2.5	25.44	Si
1339	4X/2Y Ø8/10	-784	-46836	SLD 9	12136	44078	39652	2.5	50.61	1554	-46305	SLD 1	11809	39534	42603	2.5	25.44	Si
1368	4X/2Y Ø8/10	-784	-46727	SLD 9	12123	44078	39638	2.5	50.59	1554	-46196	SLD 1	11795	39534	42588	2.5	25.44	Si
1397	4X/2Y Ø8/14.4	-784	-46618	SLD 9	12109	30516	39624	2.5	38.95	1554	-46087	SLD 1	11780	27370	42573	2.5	17.61	Si
1426	4X/2Y Ø8/14.4	-784	-46510	SLD 9	12096	30516	39610	2.5	38.95	1554	-45978	SLD 1	11766	27370	42557	2.5	17.61	Si
1455	4X/2Y Ø8/14.4	-784	-46401	SLD 9	12082	30516	39596	2.5	38.95	1554	-45870	SLD 1	11751	27370	42542	2.5	17.61	Si
1484	4X/2Y Ø8/14.4	-784	-46292	SLD 9	12069	30516	39582	2.5	38.95	1554	-45761	SLD 1	11736	27370	42527	2.5	17.61	Si
1513	4X/2Y Ø8/14.4	-784	-46183	SLD 9	12055	30516	39568	2.5	38.95	1554	-45652	SLD 1	11722	27370	42512	2.5	17.61	Si
1542	4X/2Y Ø8/10	-784	-46075	SLD 9	12042	44078	39554	2.5	50.48	1554	-45543	SLD 1	11707	39534	42497	2.5	25.44	Si
1571	4X/2Y Ø8/10	-784	-45966	SLD 9	12028	44078	39540	2.5	50.46	1554	-45435	SLD 1	11693	39534	42482	2.5	25.44	Si
1600	4X/2Y Ø8/10	-784	-45859	SLD 9	12015	44078	39526	2.5	50.45	1554	-45328	SLD 1	11678	39534	42467	2.5	25.44	Si
1620	4X/2Y Ø8/10	1082	-25609	SLD 7	9494	44078	36918	2.5	34.11	2834	-23885	SLD 1	8805	39534	39495	2.5	13.94	Si
1649	4X/2Y Ø8/10	1082	-25501	SLD 7	9480	44078	36904	2.5	34.09	2834	-23776	SLD 1	8791	39534	39480	2.5	13.93	Si
1678	4X/2Y Ø8/10	1082	-25392	SLD 7	9467	44078	36890	2.5	34.08	2834	-23668	SLD 1	8776	39534	39465	2.5	13.93	Si
1707	4X/2Y Ø8/14.4	1082	-25283	SLD 7	9453	30516	36876	2.5	28.19	2834	-23559	SLD 1	8761	27370	39450	2.5	9.66	Si
1736	4X/2Y Ø8/14.4	1082	-25174	SLD 7	9440	30516	36862	2.5	28.19	2834	-23450	SLD 1	8747	27370	39435	2.5	9.66	Si
1765	4X/2Y Ø8/14.4	1082	-25066	SLD 7	9426	30516	36848	2.5	28.19	2834	-23341	SLD 1	8732	27370	39420	2.5	9.66	Si
1794	4X/2Y Ø8/14.4	1082	-24957	SLD 7	9413	30516	36834	2.5	28.19	2834	-23233	SLD 1	8718	27370	39404	2.5	9.66	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1823	4X/2Y Ø8/14.4	1082	-24848	SLD 7	9399	30516	36820	2.5	28.19	2834	-23124	SLD 1	8703	27370	39389	2.5	9.66	Si
1852	4X/2Y Ø8/10	1082	-24739	SLD 7	9385	44078	36806	2.5	34	2834	-23015	SLD 1	8689	39534	39374	2.5	13.9	Si
1881	4X/2Y Ø8/10	1082	-24631	SLD 7	9372	44078	36792	2.5	33.99	2834	-22906	SLD 1	8674	39534	39359	2.5	13.89	Si
1910	4X/2Y Ø8/10	1082	-24524	SLD 7	9359	44078	36778	2.5	33.98	2834	-22799	SLD 1	8660	39534	39344	2.5	13.89	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	117462	3229	-157862	SLE RA 12	-83.3	117462	3229	-157862	SLE RA 12	-1232.8	Si
-111	107814	1658	-157732	SLE RA 12	-81.3	107814	1658	-157732	SLE RA 12	-1204.5	Si
-81	97999	61	-157600	SLE RA 12	-79.6	97999	61	-157600	SLE RA 12	-1182.2	Si
-52	88184	-1537	-157467	SLE RA 12	-79.2	88184	-1537	-157467	SLE RA 12	-1176.8	Si
-22	78368	-3135	-157335	SLE RA 12	-78.9	78368	-3135	-157335	SLE RA 12	-1171.5	Si
7	68553	-4733	-157203	SLE RA 12	-78.5	68553	-4733	-157203	SLE RA 12	-1166.3	Si
36	58738	-6331	-157070	SLE RA 12	-78.1	58738	-6331	-157070	SLE RA 12	-1161	Si
66	48923	-7928	-156938	SLE RA 12	-77.7	48923	-7928	-156938	SLE RA 12	-1155.7	Si
95	39108	-9526	-156806	SLE RA 12	-77.3	39108	-9526	-156806	SLE RA 12	-1150.5	Si
125	29293	-11124	-156673	SLE RA 12	-77	29293	-11124	-156673	SLE RA 12	-1145.2	Si
154	21344	-13178	-156591	SLE RA 13	-76.7	21344	-13178	-156591	SLE RA 13	-1141.8	Si
184	21168	-14165	-156458	SLE RA 13	-76.7	21168	-14165	-156458	SLE RA 13	-1141.6	Si
213	20991	-15163	-156325	SLE RA 13	-76.8	20991	-15163	-156325	SLE RA 13	-1141.4	Si
242	20817	-16141	-156194	SLE RA 13	-76.8	20817	-16141	-156194	SLE RA 13	-1141.3	Si
272	-19782	-19113	-156011	SLE RA 12	-76.9	-19782	-19113	-156011	SLE RA 12	-1142	Si
301	-29597	-20711	-155879	SLE RA 12	-77.5	-29597	-20711	-155879	SLE RA 12	-1148.2	Si
331	-39413	-22308	-155747	SLE RA 12	-78	-39413	-22308	-155747	SLE RA 12	-1154.4	Si
360	-49061	-23879	-155617	SLE RA 12	-78.6	-49061	-23879	-155617	SLE RA 12	-1160.5	Si
380	-121509	80687	-130922	SLE RA 12	-75.4	-121509	80687	-130922	SLE RA 12	-1076.8	Si
409	-104415	67789	-130791	SLE RA 12	-73.4	-104415	67789	-130791	SLE RA 12	-1054.4	Si
438	-87320	54890	-130661	SLE RA 12	-71.3	-87320	54890	-130661	SLE RA 12	-1032.1	Si
467	-70225	41992	-130530	SLE RA 12	-69.3	-70225	41992	-130530	SLE RA 12	-1009.8	Si
496	-53130	29093	-130400	SLE RA 12	-67.2	-53130	29093	-130400	SLE RA 12	-987.5	Si
525	-36035	16195	-130269	SLE RA 12	-65.2	-36035	16195	-130269	SLE RA 12	-965.2	Si
554	-18940	3297	-130139	SLE RA 12	-63.1	-18940	3297	-130139	SLE RA 12	-942.8	Si
583	10228	-7521	-130045	SLE RA 13	-63.1	10228	-7521	-130045	SLE RA 13	-940.8	Si
612	22230	-19654	-129915	SLE RA 13	-64.7	22230	-19654	-129915	SLE RA 13	-957.6	Si
641	32345	-35399	-129747	SLE RA 12	-66.5	32345	-35399	-129747	SLE RA 12	-976.3	Si
670	49440	-48297	-129617	SLE RA 12	-68.4	49440	-48297	-129617	SLE RA 12	-996.7	Si
690	-75514	43448	-106165	SLE RA 13	-58.1	-75514	43448	-106165	SLE RA 13	-840.3	Si
719	-61085	35038	-106037	SLE RA 13	-56.6	-61085	35038	-106037	SLE RA 13	-823.5	Si
748	-46404	26481	-105906	SLE RA 13	-55	-46404	26481	-105906	SLE RA 13	-806.4	Si
777	-31722	17923	-105776	SLE RA 13	-53.5	-31722	17923	-105776	SLE RA 13	-789.3	Si
806	-17041	9365	-105645	SLE RA 13	-51.9	-17041	9365	-105645	SLE RA 13	-772.3	Si
835	-2359	808	-105515	SLE RA 13	-50.4	-2359	808	-105515	SLE RA 13	-755.2	Si
864	12921	-9280	-105361	SLE RA 12	-51.6	12921	-9280	-105361	SLE RA 12	-767.8	Si
893	26317	-18485	-105230	SLE RA 12	-53	26317	-18485	-105230	SLE RA 12	-782.8	Si
922	39714	-27690	-105100	SLE RA 12	-54.4	39714	-27690	-105100	SLE RA 12	-797.8	Si
951	53110	-36894	-104969	SLE RA 12	-55.7	53110	-36894	-104969	SLE RA 12	-811.3	Si
980	66276	-45941	-104841	SLE RA 12	-54.3	66276	-45941	-104841	SLE RA 12	-786.1	Si
1000	-69535	42478	-81444	SLE RA 12	-54.4	-69535	42478	-81444	SLE RA 12	-776.7	Si
1029	-56072	34718	-81356	SLE RA 13	-53.6	-56072	34718	-81356	SLE RA 13	-772	Si
1058	-42173	27485	-81247	SLE RA 13	-52.6	-42173	27485	-81247	SLE RA 13	-763.4	Si
1087	-28273	20251	-81139	SLE RA 13	-50.8	-28273	20251	-81139	SLE RA 13	-743.5	Si
1116	-14374	13018	-81030	SLE RA 13	-49	-14374	13018	-81030	SLE RA 13	-723.6	Si
1145	-474	5785	-80921	SLE RA 13	-47.1	-474	5785	-80921	SLE RA 13	-703.7	Si
1174	14851	-2003	-80791	SLE RA 12	-47.6	14851	-2003	-80791	SLE RA 12	-710.1	Si
1203	28916	-9416	-80683	SLE RA 12	-49.4	28916	-9416	-80683	SLE RA 12	-728.5	Si
1232	42980	-16830	-80574	SLE RA 12	-51.1	42980	-16830	-80574	SLE RA 12	-746.8	Si
1261	57044	-24243	-80465	SLE RA 12	-52.8	57044	-24243	-80465	SLE RA 12	-765.2	Si
1290	70866	-31529	-80358	SLE RA 12	-54.5	70866	-31529	-80358	SLE RA 12	-783.2	Si
1310	-76164	38970	-57431	SLE RA 13	-42.5	-76164	38970	-57431	SLE RA 13	-598	Si
1339	-60775	28705	-57322	SLE RA 13	-40.3	-60775	28705	-57322	SLE RA 13	-573.6	Si
1368	-45386	18439	-57214	SLE RA 13	-38	-45386	18439	-57214	SLE RA 13	-549.3	Si
1397	-29996	8174	-57105	SLE RA 13	-35.8	-29996	8174	-57105	SLE RA 13	-524.9	Si
1426	-14607	-2091	-56996	SLE RA 13	-34	-14607	-2091	-56996	SLE RA 13	-505	Si
1455	2238	-12303	-56871	SLE RA 12	-34.2	2238	-12303	-56871	SLE RA 12	-504.9	Si
1484	16154	-23050	-56762	SLE RA 12	-36.3	16154	-23050	-56762	SLE RA 12	-526.7	Si
1513	31560	-32888	-56670	SLE RA 13	-38.3	31560	-32888	-56670	SLE RA 13	-548.9	Si
1542	46949	-43153	-56561	SLE RA 13	-40.5	46949	-43153	-56561	SLE RA 13	-571.3	Si
1571	62339	-53418	-56452	SLE RA 13	-42.6	62339	-53418	-56452	SLE RA 13	-593.8	Si
1600	77463	-63507	-56345	SLE RA 13	-44.7	77463	-63507	-56345	SLE RA 13	-615.9	Si
1620	-206039	-23268	-31140	SLE RA 13	-34.6	-206039	-23268	-31140	SLE RA 13	-459.7	Si
1649	-150805	-7124	-31031	SLE RA 13	-28.9	-150805	-7124	-31031	SLE RA 13	-396.8	Si
1678	-94894	9583	-30912	SLE RA 12	-25.3	-95570	9020	-30922	SLE RA 13	-353.3	Si
1707	-40435	25349	-30803	SLE RA 12	-23.3	-40435	25349	-30803	SLE RA 12	-325.1	Si
1736	14899	41309	-30705	SLE RA 13	-23.2	14899	41309	-30705	SLE RA 13	-320.7	Si
1765	70133	57453	-30596	SLE RA 13	-28.7	70133	57453	-30596	SLE RA 13	-381.7	Si
1794	125367	73597	-30487	SLE RA 13	-34.2	125367	73597	-30487	SLE RA 13	-442.7	Si
1823	180602	89741	-30379	SLE RA 13	-39.7	180602	89741	-30379	SLE RA 13	-503.6	Si
1852	235836	105886	-30270	SLE RA 13	-45.3	235836	105886	-30270	SLE RA 13	-564.6	Si
1881	291071	122030	-30161	SLE RA 13	-54	291071	122030	-30161	SLE RA 13	-656.3	Si
1910	345353	137896	-30054	SLE RA 13	-62.6	345353	137896	-30054	SLE RA 13	-745.3	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	110374	518	-136919	SLE QP 2	-72.4	Si
-111	100958	-700	-136789	SLE QP 2	-70.8	Si
-81	91379	-1940	-136657	SLE QP 2	-69.5	Si
-52	81800	-3179	-136524	SLE QP 2	-69.1	Si
-22	72221	-4418	-136392	SLE QP 2	-68.7	Si
7	62642	-5657	-136259	SLE QP 2	-68.3	Si
36	53063	-6896	-136127	SLE QP 2	-67.9	Si
66	43484	-8136	-135995	SLE QP 2	-67.5	Si
95	33905	-9375	-135862	SLE QP 2	-67.1	Si
125	24326	-10614	-135730	SLE QP 2	-66.7	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
154	14747	-11853	-135598	SLE QP 2	-66.3	Si
184	5168	-13092	-135465	SLE QP 2	-65.9	Si
213	-4504	-14344	-135332	SLE QP 2	-65.9	Si
242	-13990	-15571	-135201	SLE QP 2	-66.4	Si
272	-23569	-16810	-135068	SLE QP 2	-66.9	Si
301	-33148	-18049	-134936	SLE QP 2	-67.4	Si
331	-42727	-19289	-134804	SLE QP 2	-67.9	Si
360	-52143	-20507	-134673	SLE QP 2	-68.4	Si
380	-95639	69559	-112933	SLE QP 2	-64.6	Si
409	-82770	58557	-112802	SLE QP 2	-63	Si
438	-69901	47555	-112672	SLE QP 2	-61.3	Si
467	-57032	36553	-112541	SLE QP 2	-59.6	Si
496	-44163	25551	-112411	SLE QP 2	-57.9	Si
525	-31294	14549	-112280	SLE QP 2	-56.2	Si
554	-18425	3547	-112150	SLE QP 2	-54.6	Si
583	-5556	-7454	-112019	SLE QP 2	-54.2	Si
612	7313	-18456	-111889	SLE QP 2	-55.3	Si
641	20182	-29458	-111758	SLE QP 2	-56.8	Si
670	33051	-40460	-111628	SLE QP 2	-58.4	Si
690	-48634	36486	-91075	SLE QP 2	-49	Si
719	-39334	29253	-90947	SLE QP 2	-47.8	Si
748	-29870	21892	-90816	SLE QP 2	-46.6	Si
777	-20407	14532	-90686	SLE QP 2	-45.4	Si
806	-10944	7171	-90555	SLE QP 2	-44.3	Si
835	-1480	-189	-90425	SLE QP 2	-43.1	Si
864	7983	-7550	-90294	SLE QP 2	-44	Si
893	17447	-14910	-90164	SLE QP 2	-45.1	Si
922	26910	-22271	-90033	SLE QP 2	-46.2	Si
951	36373	-29631	-89903	SLE QP 2	-47.1	Si
980	45674	-36865	-89775	SLE QP 2	-45.8	Si
1000	-51549	34675	-69287	SLE QP 2	-45.6	Si
1029	-41080	28556	-69179	SLE QP 2	-45	Si
1058	-30610	22438	-69070	SLE QP 2	-44.2	Si
1087	-20141	16319	-68961	SLE QP 2	-42.8	Si
1116	-9672	10201	-68852	SLE QP 2	-41.3	Si
1145	798	4082	-68744	SLE QP 2	-40	Si
1174	11267	-2036	-68635	SLE QP 2	-40.4	Si
1203	21737	-8155	-68526	SLE QP 2	-41.7	Si
1232	32206	-14273	-68417	SLE QP 2	-43.1	Si
1261	42676	-20392	-68309	SLE QP 2	-44.4	Si
1290	52964	-26405	-68202	SLE QP 2	-45.7	Si
1310	-51455	34125	-48031	SLE QP 2	-34.9	Si
1339	-40887	25345	-47922	SLE QP 2	-33.1	Si
1368	-30320	16564	-47814	SLE QP 2	-31.4	Si
1397	-19753	7784	-47705	SLE QP 2	-29.6	Si
1426	-9186	-997	-47596	SLE QP 2	-28.1	Si
1455	1381	-9777	-47487	SLE QP 2	-28.4	Si
1484	11948	-18558	-47379	SLE QP 2	-30.1	Si
1513	22516	-27338	-47270	SLE QP 2	-31.7	Si
1542	33083	-36119	-47161	SLE QP 2	-33.3	Si
1571	43650	-44899	-47052	SLE QP 2	-35	Si
1600	54035	-53528	-46946	SLE QP 2	-36.6	Si
1620	-164013	-19048	-24924	SLE QP 2	-27.7	Si
1649	-119396	-5867	-24815	SLE QP 2	-23.1	Si
1678	-74780	7315	-24706	SLE QP 2	-20.1	Si
1707	-30163	20496	-24597	SLE QP 2	-18.5	Si
1736	14454	33678	-24489	SLE QP 2	-18.8	Si
1765	59070	46859	-24380	SLE QP 2	-23.2	Si
1794	103687	60041	-24271	SLE QP 2	-27.7	Si
1823	148304	73222	-24162	SLE QP 2	-32.1	Si
1852	192920	86404	-24054	SLE QP 2	-36.6	Si
1881	237537	99585	-23945	SLE QP 2	-41	Si
1910	281385	112539	-23838	SLE QP 2	-51	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

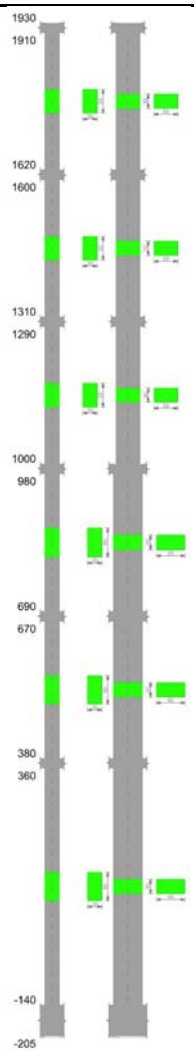
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.

Pilastro 48

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60_1	No	No	No	No		C30/37	B450C	
380	670	R 30x60_1	No	No	No	No		C30/37	B450C	
690	980	R 30x60_1	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	
1620	1910	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.9	8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.9	8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.10	-9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	-9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.11	-9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	-9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2	0	1,2	-597644	-597644	-220330	-785458	-785458	SLU 51	1.314	Si
-111	18.42	2	0	1,2	-597185	-597185	-220160	-804436	-804436	SLU 51	1.347	Si
-81	20.11	1.1	0	2	-596719	-596719	-219988	-818158	-818158	SLU 51	1.371	Si
-52	20.11	1.1	0	2	-596252	-596252	-219816	-818158	-818158	SLU 51	1.372	Si
-22	20.11	1.1	0	2	-595785	-595785	-219644	-818158	-818158	SLU 51	1.373	Si
7	20.11	1.1	0	2	-595318	-595318	-219472	-818158	-818158	SLU 51	1.374	Si
36	20.11	1.1	0	2	-594852	-594852	-219300	-818158	-818158	SLU 51	1.375	Si
66	20.11	1.1	0	2	-594385	-594385	-219128	-818158	-818158	SLU 51	1.376	Si
95	20.11	1.1	0	2	593918	-593918	-218956	818158	-818158	SLU 51	1.378	Si
125	20.11	1.1	0	2	593452	-593452	-218784	818158	-818158	SLU 51	1.379	Si
154	20.11	1.1	0	2	592985	592985	-218612	818158	818158	SLU 51	1.38	Si
184	20.11	1.1	0	2	592518	592518	-218440	818158	818158	SLU 51	1.381	Si
213	20.11	1.1	0	2	592047	592047	-218266	818158	818158	SLU 51	1.382	Si
242	20.11	1.1	0	2	591585	591585	-218096	818158	818158	SLU 51	1.383	Si
272	20.11	1.1	0	2	591118	591118	-217924	818158	818158	SLU 51	1.384	Si
301	20.11	1.1	0	2	590651	590651	-217752	818158	818158	SLU 51	1.385	Si
331	20.11	1.1	0	2	590185	590185	-217580	818158	818158	SLU 51	1.386	Si
360	20.11	1.1	0	2	589726	589726	-217410	818158	818158	SLU 51	1.387	Si
380	20.11	2.2	0	2,3	-352534	-352534	-176267	-647491	-647491	SLU 51	1.837	Si
409	20.11	2.2	0	2,3	-352194	-352194	-176097	-647491	-647491	SLU 51	1.838	Si
438	20.11	1.1	0	3	-351855	-351855	-175928	-647491	-647491	SLU 51	1.84	Si
467	20.11	1.1	0	3	-351516	351516	-175758	-647491	647491	SLU 51	1.842	Si
496	20.11	1.1	0	3	351176	351176	-175588	647491	647491	SLU 51	1.844	Si
525	20.11	1.1	0	3	350837	350837	-175419	647491	647491	SLU 51	1.846	Si
554	20.11	1.1	0	3	350498	350498	-175249	647491	647491	SLU 51	1.847	Si
583	20.11	1.1	0	3	350159	350159	-175079	647491	647491	SLU 51	1.849	Si
612	20.11	1.1	0	3	349819	349819	-174910	647491	647491	SLU 51	1.851	Si
641	20.11	1.1	0	3	349480	349480	-174740	647491	647491	SLU 51	1.853	Si
670	20.11	1.1	0	3	349141	349141	-174570	647491	647491	SLU 51	1.855	Si
690	20.11	2.2	0	3,4,6,7	-267030	-267030	-133515	-647491	-647491	SLU 51	2.425	Si
719	20.11	2.2	0	3,4,6,7	-266697	-266697	-133349	-647491	-647491	SLU 51	2.428	Si
748	20.11	1.1	0	4,6,7	-266358	-266358	-133179	-647491	-647491	SLU 51	2.431	Si
777	20.11	1.1	0	4,6,7	-266018	-266018	-133009	-647491	-647491	SLU 51	2.434	Si
806	20.11	1.1	0	4,6,7	-265679	265679	-132840	-647491	647491	SLU 51	2.437	Si
835	20.11	1.1	0	4,6,7	265340	265340	-132670	647491	647491	SLU 51	2.44	Si
864	20.11	1.1	0	4,6,7	265001	265001	-132500	647491	647491	SLU 51	2.443	Si
893	20.11	1.1	0	4,6,7	264661	264661	-132331	647491	647491	SLU 51	2.446	Si
922	20.11	1.1	0	4,6,7	264322	264322	-132161	647491	647491	SLU 51	2.45	Si
951	20.37	1.6	0	4,5,6,7	263983	263983	-131991	649217	649217	SLU 51	2.459	Si
980	27.42	2	0	4,5,6,7	263643	263643	-131822	695580	695580	SLU 51	2.638	Si
1000	20.11	2.4	0	5,6,7,8	-181525	181525	-90762	-556148	556148	SLU 51	3.064	Si
1029	17.8	2.4	0	5,6,7,8	-181247	181247	-90624	-541580	541580	SLU 51	2.988	Si
1058	16.08	1.1	0	8	-180964	-180964	-90482	-530708	-530708	SLU 51	2.933	Si
1087	16.08	1.1	0	8	-180682	-180682	-90341	-530708	-530708	SLU 51	2.937	Si
1116	16.08	1.1	0	8	180399	-180399	-90199	530708	-530708	SLU 51	2.942	Si
1145	16.08	1.1	0	8	180116	-180116	-90058	530708	-530708	SLU 51	2.946	Si
1174	16.08	1.1	0	8	179833	-179833	-89917	530708	-530708	SLU 51	2.951	Si
1203	16.08	1.1	0	8	179551	-179551	-89775	530708	-530708	SLU 51	2.956	Si
1232	16.08	1.1	0	8	179268	-179268	-89634	530708	-530708	SLU 51	2.96	Si
1261	16.08	1.1	0	8	178985	-178985	-89493	530708	-530708	SLU 51	2.965	Si
1290	16.08	1.1	0	8	181711	-178707	-89354	539107	-530196	SLU 51	2.967	Si
1310	16.08	2.1	0	8,9	-196699	-89563	-44781	-1060601	-482924	SLU 52	5.392	Si
1339	16.08	2.1	0	8,9	-171757	-89280	-44640	-952769	-495254	SLU 52	5.547	Si
1368	16.08	1.1	0	9	-146815	-88997	-44499	-836320	-506965	SLU 52	5.696	Si
1397	16.08	1.1	0	9	-121874	88715	-44357	-711690	518055	SLU 52	5.84	Si
1426	16.08	1.1	0	9	-96932	88432	-44216	-578447	527722	SLU 52	5.968	Si
1455	16.08	1.1	0	9	-88213	88213	-44107	-530708	530708	SLU 51	6.016	Si
1484	16.08	1.1	0	9	-87930	103946	-43965	-516319	610362	SLU 51	5.872	Si
1513	16.08	1.1	0	9	-87648	131321	-43824	-490780	735326	SLU 51	5.599	Si
1542	16.08	1.1	0	9	-87365	158695	-43682	-466425	847243	SLU 51	5.339	Si
1571	16.08	1.1	0	9	86824	187094	-43412	441234	950795	SLU 49	5.082	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1600	16.08	1.1	0	9	86547	214291	-43273	418398	1035964	SLU 49	4.834	Si
1620	16.08	2.1	0	9,10,11	-103753	-450112	-23657	-306278	-1328724	SLU 51	2.952	Si
1649	16.08	2.1	0	9,10,11	-68069	-349208	-23516	-282541	-1449489	SLU 51	4.151	Si
1678	16.08	1.1	0	10,11	-46723	-248617	-23362	-266895	-1420158	SLU 52	5.712	Si
1707	16.08	1.1	0	10,11	46441	-148083	-23220	372344	-1187274	SLU 52	8.018	Si
1736	16.08	1.1	0	10,11	46158	-47549	-23079	528267	-544191	SLU 52	11.445	Si
1765	16.08	1.1	0	10,11	78420	52985	-22938	844416	570529	SLU 52	10.768	Si
1794	16.08	1.1	0	10,11	110350	155311	-22809	796026	1120355	SLU 51	7.214	Si
1823	16.08	1.1	0	10,11	146034	256215	-22668	722903	1268321	SLU 51	4.95	Si
1852	16.08	1.1	0	10,11	181718	357118	-22526	640546	1258822	SLU 51	3.525	Si
1881	16.08	1.1	0	10,11	217402	458022	-22385	563433	1187038	SLU 51	2.592	Si
1910	22.12	2.1	0	10,11	252471	557186	-22246	628919	1387982	SLU 51	2.491	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	16.08	2	0	1,2	-757732	-497180	-143025	-2.02	1.92	-1128574	-740506	SLV 15	1.489				Si
-111	18.42	2	0	1,2	-696142	-449564	-142895	-2.02	1.92	-1107075	-714943	SLV 15	1.59				Si
-81	20.11	1.1	0	2	-633495	-401126	-142762	-2.02	1.92	-1070048	-677550	SLV 15	1.689				Si
-52	20.11	1.1	0	2	-570859	-352690	-142630	-2.02	1.92	-1009557	-623727	SLV 15	1.768				Si
-22	20.11	1.1	0	2	-508240	-304256	-142498	-2.02	1.92	-941501	-563626	SLV 15	1.852				Si
7	20.11	1.1	0	2	-445640	-255826	-142365	-2.02	1.92	-866381	-497358	SLV 15	1.944				Si
36	20.11	1.1	0	2	-383071	-207403	-142233	-2.02	1.92	-783491	-424199	SLV 15	2.045				Si
66	20.11	1.1	0	2	-403732	-113344	-142458	-2.02	1.92	-868541	-243836	SLV 11	2.151				Si
95	20.11	1.1	0	2	-327530	-78493	-142326	-2.02	1.92	-741740	-177758	SLV 11	2.265				Si
125	20.11	1.1	0	2	-251524	-43741	-142193	-2.02	1.92	-582442	-101288	SLV 11	2.316				Si
154	20.11	1.1	0	2	-130612	-773	-142061	-2.02	1.92	-302733	-1791	SLV 11	2.318				Si
184	20.11	1.1	0	2	-59301	27410	-141929	-2.02	1.92	-137576	63591	SLV 11	2.32				Si
213	20.11	1.1	0	2	-7593	61981	-141795	-2.02	1.92	-17633	143928	SLV 11	2.322				Si
242	20.11	1.1	0	2	37740	96453	-141664	-2.02	1.92	87720	224186	SLV 11	2.324				Si
272	20.11	1.1	0	2	126880	180401	-141174	-2.02	1.92	289620	411790	SLV 15	2.283				Si
301	20.11	1.1	0	2	185927	228816	-141042	-2.02	1.92	402216	494997	SLV 15	2.163				Si
331	20.11	1.1	0	2	247470	277242	-140910	-2.02	1.92	508374	569533	SLV 15	2.054				Si
360	20.11	1.1	0	2	308509	324850	-140779	-2.02	1.92	603657	635630	SLV 15	1.957				Si
380	20.11	2.2	0	2,3	-205622	-405852	-114479	-2.02	1.92	-450537	-889260	SLV 15	2.191				Si
409	20.11	2.2	0	2,3	-163649	-326661	-114348	-2.02	1.92	-386357	-771209	SLV 15	2.361				Si
438	20.11	1.1	0	3	-123098	-247507	-114218	-2.02	1.92	-314686	-632723	SLV 15	2.556				Si
467	20.11	1.1	0	3	-85468	-168447	-114087	-2.02	1.92	-237932	-468937	SLV 15	2.784				Si
496	20.11	1.1	0	3	-54130	-89737	-113957	-2.02	1.92	-156404	-259290	SLV 15	2.889				Si
525	20.11	1.1	0	3	-7708	-11496	-113826	-2.02	1.92	-22297	-33255	SLV 15	2.893				Si
554	20.11	1.1	0	3	14682	71641	-113696	-2.02	1.92	42521	207477	SLV 15	2.896				Si
583	20.11	1.1	0	3	26255	149898	-113565	-2.02	1.92	76124	434614	SLV 15	2.899				Si
612	20.11	1.1	0	3	36728	228888	-113435	-2.02	1.92	98796	615695	SLV 15	2.69				Si
641	20.11	1.1	0	3	46722	308017	-113304	-2.02	1.92	116934	770898	SLV 15	2.503				Si
670	20.11	1.1	0	3	56477	387198	-113174	-2.02	1.92	132157	906053	SLV 15	2.34				Si
690	20.11	2.2	0	3,4,6,7	-261541	-373288	-87024	-2.02	1.92	-676800	-965971	SLV 15	2.588				Si
719	20.11	2.2	0	3,4,6,7	-207517	-296760	-86896	-2.02	1.92	-593014	-848042	SLV 15	2.858				Si
748	20.11	1.1	0	4,6,7	-153284	-218939	-86765	-2.02	1.92	-485387	-693289	SLV 15	3.167				Si
777	20.11	1.1	0	4,6,7	-100874	-141249	-86635	-2.02	1.92	-357395	-500442	SLV 15	3.543				Si
806	20.11	1.1	0	4,6,7	-54505	-64211	-86504	-2.02	1.92	-207468	-244413	SLV 15	3.806				Si
835	20.11	1.1	0	4,6,7	48517	18317	-86374	-2.02	1.92	184955	69827	SLV 15	3.812				Si
864	20.11	1.1	0	4,6,7	92685	94457	-86243	-2.02	1.92	350203	356897	SLV 15	3.778				Si
893	20.11	1.1	0	4,6,7	142873	171826	-86113	-2.02	1.92	480936	578398	SLV 15	3.366				Si
922	20.11	1.1	0	4,6,7	196364	249568	-85982	-2.02	1.92	594786	755940	SLV 15	3.029				Si
951	20.37	1.6	0	4,5,6,7	251016	327407	-85852	-2.02	1.92	689737	899644	SLV 15	2.748				Si
980	27.42	2	0	4,5,6,7	306193	405286	-85721	-2.02	1.92	814099	1077567	SLV 15	2.659				Si
1000	20.11	2.4	0	5,6,7,8	-34041	-312958	-59644	-2.02	1.92	-110743	-1018115	SLV 15	3.253				Si
1029	17.8	2.4	0	5,6,7,8	-26099	-252539	-59537	-2.02	1.92	-91020	-880724	SLV 15	3.487				Si
1058	16.08	1.1	0	8	-116240	-191188	-59428	-2.02	1.92	-409156	-672965	SLV 15	3.52				Si
1087	16.08	1.1	0	8	-104440	-130169	-59320	-2.02	1.92	-406529	-506678	SLV 15	3.892				Si
1116	16.08	1.1	0	8	-107544	-70647	-59211	-2.02	1.92	-459060	-301560	SLV 15	4.269				Si
1145	16.08	1.1	0	8	161941	-20695	-55657	-2.02	1.92	737642	-94266	SLV 7	4.555				Si
1174	16.08	1.1	0	8	218066	-69040	-50321	-2.02	1.92	935988	-296337	SLV 3	4.292				Si
1203	16.08	1.1	0	8	275316	-118363	-50213	-2.02	1.92	1036222	-445489	SLV 3	3.764				Si
1232	16.08	1.1	0	8	333669	-168251	-50104	-2.02	1.92	1094283	-551788	SLV 3	3.28				Si
1261	16.08	1.1	0	8	392684	-218288	-49995	-2.02	1.92	1116652	-620734	SLV 3	2.844				Si
1290	16.08	1.1	0	8	451098	-267522	-49888	-2.02	1.92	1115683	-661653	SLV 3	2.473				Si
1310	16.08	2.1	0	8,9	-659376	-328418	-31411	-2.02	1.92	-1162302	-578913	SLV 15	1.763				Si
1339	16.08	2.1	0	8,9	-575593	-262257	-31302	-2.02	1.92	-1228755	-559857	SLV 15	2.135				Si
1368	16.08	1.1	0	9	-492407	-196148	-31193	-2.02	1.92	-1318505	-525221	SLV 15	2.678				Si
1397	16.08	1.1	0	9	-410174	-130146	-31084	-2.02	1.92	-1433432	-454819	SLV 15	3.495				Si
1426	16.08	1.1	0	9	-329587	-64428	-30976	-2.02	1.92	-1544949	-302008	SLV 15	4.688				Si
1455	16.08	1.1	0	9	-252157	-82	-30867	-2.02	1.92	-1560995	-508	SLV 15	6.191				Si
1484	16.08	1.1	0	9	-172920	72590	-30758	-2.02	1.92	-1054620	442717	SLV 15	6.099				Si
1513	16.08	1.1	0	9	-127718	120488	-29338	-2.02	1.92	-755490	712719	SLV 13	5.915				Si
1542	16.08	1.1	0	9	-57534	203436	-30541	-2.02	1.92	-290244	1026277	SLV 15	5.045				Si
1571	16.08	1.1	0	9	174599	269282	-30432	-2.02	1.92	617820	952857	SLV 15	3.539				Si
1600	16.08	1.1	0	9	241602	334189	-30325	-2.02	1.92	665403	920399	SLV 15	2.754				Si
1620	16.08	2.1	0	9,10,11	30455	-419873	-16388	-2.02	1.92	76678	-1057138	SLV 15	2.518				Si
1649	16.08	2.1	0	9,10,11	-106467	-285705	-15702	-2.02	1.92	-388388	-1042240	SLV 11	3.648				Si
1678	16.08	1.1	0	10,11	87734	-198634	-15407	-2.02	1.92	452973	-1025556	SLV 13	5.163				Si
1707	16.08	1.1	0	10,11	90898	-116248	-16061	-2.02	1.92	702254	-898095	SLV 15	7.726				Si
1736	16.08	1.1	0	10,11	105551	-13712	-15953	-2.02	1.92	1309989	-170176	SLV 15	12.411				Si
1765	16.08	1.1	0	10,11	134366	87953	-15844	-2.02	1.92	1060107	693918	SLV 15	7.89				Si
1794	16.08	1.1	0	10,11	175156	189265	-15735	-2.02	1.92	779878	842701	SLV 15	4.452				Si
1823	16.08	1.1	0	10,11	223487	290670	-15626	-2.02	1.92	665207	865178	SLV 15	2.976				Si
1852	16.08	1.1	0	10,11	275986	392103	-15518	-2.02	1.92	552602	785103	SLV 15	2.002				Si
1881	16.08	1.1	0	10,11	330790	493549	-15409	-2.02	1.92	489900	730946	SLV 15	1.481				Si
1910	22.12	2.1	0	10,11	385966	593252	-15302	-2.02	1.92	585872	900518	SLV 15	1.518				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2	0	1,2	-357074	-215274	-137480	-725007	-437094	SLD 15	2.03	Si
-111	18.42	2	0	1,2	-325780	-194452	-137350	-692730	-413478	SLD 15	2.126	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-81	20.11	1.1	0	2	-293950	-173271	-137217	-651480	-384020	SLD 15	2.216	Si
-52	20.11	1.1	0	2	-262126	-152091	-137085	-596869	-346315	SLD 15	2.277	Si
-22	20.11	1.1	0	2	-230312	-130912	-136953	-539200	-306488	SLD 15	2.341	Si
7	20.11	1.1	0	2	-242151	-81251	-136959	-582166	-195340	SLD 11	2.404	Si
36	20.11	1.1	0	2	-204875	-65389	-136827	-493026	-157356	SLD 11	2.406	Si
66	20.11	1.1	0	2	-167644	-49533	-136695	-403820	-119316	SLD 11	2.409	Si
95	20.11	1.1	0	2	-130480	-33693	-136562	-314604	-81239	SLD 11	2.411	Si
125	20.11	1.1	0	2	-93435	-17907	-136430	-225503	-43217	SLD 11	2.413	Si
154	20.11	1.1	0	2	-38960	1123	-136298	-94119	2713	SLD 11	2.416	Si
184	20.11	1.1	0	2	-4086	14513	-136165	-9881	35095	SLD 11	2.418	Si
213	20.11	1.1	0	2	22600	30203	-136032	54704	73107	SLD 11	2.421	Si
242	20.11	1.1	0	2	46603	45868	-135901	112912	111133	SLD 11	2.423	Si
272	20.11	1.1	0	2	101215	61716	-135768	245469	149675	SLD 11	2.425	Si
301	20.11	1.1	0	2	135879	77574	-135636	329861	188320	SLD 11	2.428	Si
331	20.11	1.1	0	2	172308	93438	-135504	418703	227052	SLD 11	2.43	Si
360	20.11	1.1	0	2	184926	144217	-135234	440544	343563	SLD 15	2.382	Si
380	20.11	2.2	0	2,3	-128116	-161135	-109773	-364189	-458051	SLD 15	2.843	Si
409	20.11	2.2	0	2,3	-100850	-129086	-109643	-299317	-383119	SLD 15	2.968	Si
438	20.11	1.1	0	3	-74359	-97060	-109512	-223574	-291831	SLD 15	3.007	Si
467	20.11	1.1	0	3	-49312	-65091	-109382	-148444	-195943	SLD 15	3.01	Si
496	20.11	1.1	0	3	-26904	-33334	-109251	-81085	-100466	SLD 15	3.014	Si
525	20.11	1.1	0	3	4423	-1857	-109121	13347	-5605	SLD 15	3.017	Si
554	20.11	1.1	0	3	25281	32558	-108990	76376	98361	SLD 15	3.021	Si
583	20.11	1.1	0	3	41219	64060	-108860	124676	193763	SLD 15	3.025	Si
612	20.11	1.1	0	3	56705	95988	-108729	171723	290686	SLD 15	3.028	Si
641	20.11	1.1	0	3	71971	128000	-108599	218215	388096	SLD 15	3.032	Si
670	20.11	1.1	0	3	87120	160043	-108468	254535	467592	SLD 15	2.922	Si
690	20.11	2.2	0	3,4,6,7	-147184	-154409	-83097	-517722	-543137	SLD 15	3.518	Si
719	20.11	2.2	0	3,4,6,7	-116139	-122253	-82969	-431974	-454718	SLD 15	3.719	Si
748	20.11	1.1	0	4,6,7	-84940	-89561	-82838	-335444	-353694	SLD 15	3.949	Si
777	20.11	1.1	0	4,6,7	-54653	-56944	-82708	-217581	-226703	SLD 15	3.981	Si
806	20.11	1.1	0	4,6,7	-26994	-24695	-82577	-107638	-98469	SLD 15	3.987	Si
835	20.11	1.1	0	4,6,7	29327	10596	-82447	117124	42316	SLD 15	3.994	Si
864	20.11	1.1	0	4,6,7	56100	42424	-82316	224404	169697	SLD 15	4	Si
893	20.11	1.1	0	4,6,7	85096	74855	-82186	340931	299900	SLD 15	4.006	Si
922	20.11	1.1	0	4,6,7	115823	107501	-82055	442581	410781	SLD 15	3.821	Si
951	20.37	1.6	0	4,5,6,7	147202	140203	-81925	533337	507980	SLD 15	3.623	Si
980	27.42	2	0	4,5,6,7	178882	172928	-81794	657074	635203	SLD 15	3.673	Si
1000	20.11	2.4	0	5,6,7,8	-60600	-120938	-56449	-269313	-537463	SLD 15	4.444	Si
1029	17.8	2.4	0	5,6,7,8	-45336	-99018	-56342	-207330	-452823	SLD 15	4.573	Si
1058	16.08	1.1	0	8	-71708	-76788	-56233	-326974	-350141	SLD 15	4.56	Si
1087	16.08	1.1	0	8	-56048	-54754	-56125	-270850	-264597	SLD 15	4.832	Si
1116	16.08	1.1	0	8	-45948	-33568	-56016	-222922	-162859	SLD 15	4.852	Si
1145	16.08	1.1	0	8	-10590	-6676	-55907	-51481	-32451	SLD 15	4.861	Si
1174	16.08	1.1	0	8	1278	15547	-55798	6224	75723	SLD 15	4.871	Si
1203	16.08	1.1	0	8	153116	-56453	-52278	700270	-258187	SLD 3	4.573	Si
1232	16.08	1.1	0	8	189004	-77505	-52169	805984	-330509	SLD 3	4.264	Si
1261	16.08	1.1	0	8	225165	-98650	-52061	898710	-393745	SLD 3	3.991	Si
1290	16.08	1.1	0	8	260875	-119468	-51954	976108	-447008	SLD 3	3.742	Si
1310	16.08	2.1	0	8,9	-350926	-160840	-28765	-1262713	-578739	SLD 15	3.598	Si
1339	16.08	2.1	0	8,9	-305406	-123440	-28656	-1312945	-530669	SLD 15	4.299	Si
1368	16.08	1.1	0	9	-260174	-86067	-28547	-1347724	-445834	SLD 15	5.18	Si
1397	16.08	1.1	0	9	-215403	-48749	-28439	-1342783	-303895	SLD 15	6.234	Si
1426	16.08	1.1	0	9	-171437	-11576	-28330	-1270256	-85769	SLD 15	7.409	Si
1455	16.08	1.1	0	9	-129034	24957	-28221	-1009751	195304	SLD 15	7.825	Si
1484	16.08	1.1	0	9	-86183	66219	-28112	-654470	502866	SLD 15	7.594	Si
1513	16.08	1.1	0	9	-37573	102974	-28004	-276923	758946	SLD 15	7.37	Si
1542	16.08	1.1	0	9	-21192	139762	-27895	-142672	940938	SLD 15	6.732	Si
1571	16.08	1.1	0	9	93393	176981	-27786	499818	947158	SLD 15	5.352	Si
1600	16.08	1.1	0	9	132118	213670	-27679	590143	954419	SLD 15	4.467	Si
1620	16.08	2.1	0	9,10,11	-106325	-308989	-14675	-353916	-1028513	SLD 11	3.329	Si
1649	16.08	2.1	0	9,10,11	-76191	-238136	-14567	-343460	-1073483	SLD 11	4.508	Si
1678	16.08	1.1	0	10,11	-47145	-167325	-14458	-309862	-1099737	SLD 11	6.572	Si
1707	16.08	1.1	0	10,11	39457	-100098	-14572	395518	-1003383	SLD 15	10.024	Si
1736	16.08	1.1	0	10,11	57700	-23798	-14463	859670	-354569	SLD 15	14.899	Si
1765	16.08	1.1	0	10,11	81502	52015	-14354	960287	612862	SLD 15	11.782	Si
1794	16.08	1.1	0	10,11	110499	127689	-14245	761199	879616	SLD 15	6.889	Si
1823	16.08	1.1	0	10,11	143104	203408	-14137	640042	909757	SLD 15	4.473	Si
1852	16.08	1.1	0	10,11	177829	279141	-14028	577597	906661	SLD 15	3.248	Si
1881	16.08	1.1	0	10,11	213756	354880	-13919	494959	821735	SLD 15	2.316	Si
1910	22.12	2.1	0	10,11	249753	429316	-13812	575881	989919	SLD 15	2.306	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	201	-220013	SLU 49	15366	37470	38043	1.7	186.72	640	-206737	SLU 46	15029	41615	41744	2.15	65.05	Si
-111	5X/2Y Ø8/10	201	-219844	SLU 49	15366	37470	38112	1.7	186.72	640	-206568	SLU 46	15029	41615	41810	2.15	65.05	Si
-81	5X/2Y Ø8/10	201	-219672	SLU 49	15366	37470	38183	1.7	186.72	640	-206396	SLU 46	15029	41615	41878	2.15	65.05	Si
-52	5X/2Y Ø8/10	201	-219500	SLU 49	15366	37470	38253	1.7	186.72	640	-206224	SLU 46	15029	41615	41945	2.15	65.05	Si
-22	5X/2Y Ø8/14.7	201	-219328	SLU 49	15366	32901	33035	2.2	163.95	696	-174559	SLU 42	15029	32833	49016	2.5	47.16	Si
7	5X/2Y Ø8/14.7	201	-219156	SLU 49	15366	32901	33095	2.2	163.95	696	-174387	SLU 42	15029	32833	49077	2.5	47.16	Si
36	5X/2Y Ø8/14.7	201	-218984	SLU 49	15366	32901	33156	2.2	163.95	696	-174215	SLU 42	15029	32833	49138	2.5	47.16	Si
66	5X/2Y Ø8/14.7	201	-218812	SLU 49	15366	32901	33216	2.2	163.95	696	-174043	SLU 42	15029	32833	49199	2.5	47.16	Si
95	5X/2Y Ø8/14.7	201	-218640	SLU 49	15366	32901	33277	2.2	163.95	696	-173871	SLU 42	15029	32833	49259	2.5	47.16	Si
125	5X/2Y Ø8/14.7	201	-218468	SLU 49	15366	32901	33337	2.2	163.95	696	-173699	SLU 42	15029	32833	49320	2.5	47.16	Si
154	5X/2Y Ø8/14.7	201	-218296	SLU 49	15366	32901	33398	2.2	163.95	696	-173527	SLU 42	15029	32833	49381	2.5	47.16	Si
184	5X/2Y Ø8/14.7	201	-218124	SLU 49	15366	32901	33458	2.2	163.95	696	-173355	SLU 42	15029	32833	49442	2.5	47.16	Si
213	5X/2Y Ø8/14.7	201	-217950	SLU 49	15366	32901	33519	2.2	163.95	696	-173181	SLU 42	15029	32833	49503	2.5	47.16	Si
242	5X/2Y Ø8/10	201	-217780	SLU 49	15366	37467	38955	1.7	186.7	640	-204504	SLU 46	15029	41611	42619	2.15	65.05	Si
272	5X/2Y Ø8/10	201	-217607	SLU 49	15366	37467	39025	1.7	186.7	640	-204332	SLU 46	15029	41611	42687	2.15	65.05	Si
301	5X/2Y Ø8/10	201	-217435	SLU 49	15366	37467	39095	1.7	186.7	640	-204159	SLU 46	15029	41611	42754	2.15	65.05	Si
331	5X/2Y Ø8/10	198	-217580	SLU 51	15366	37467	39037	1.7	189.21	640	-203987	SLU 46	15029	41611	42822	2.15	65.05	Si
360	5X/2Y Ø8/10	198	-217410	SLU 51	15366	37467	39106	1.7	189.21	640	-203818	SLU 46	15029	41611	42888	2.15	65.05	Si
380	5X/2Y Ø8/10	120	-175959	SLU 50	15366	47384	49018	2.15	393.64	1077	-139613	SLU 42	15029	48385	55356	2.5	44.94	Si
409	5X/2Y Ø8/10	120	-175789	SLU 50	15366	47384	49079	2.15	393.64	1077	-139444	SLU 42	15029	48385	55356	2.5	44.94	Si
438	5X/2Y Ø8/10	120	-175620	SLU 50	15366	47384	49139	2.15	393.64	1077	-139274	SLU 42	15029	48385	55356	2.5	44.94	Si
467	5X/2Y Ø8/14.4	126	-140020	SLU 37	15366	38145	50429	2.5	301.72	1077	-139104	SLU 42	15029	33497	55356	2.5	31.11	Si
496	5X/2Y Ø8/14.4	126	-139850	SLU 37	15366	38145	50429	2.5	301.72	1077	-138935	SLU 42	15029	33497	55356	2.5	31.11	Si
525	5X/2Y Ø8/14.4	126	-139680	SLU 37	15366	38145	50429	2.5	301.72	1077	-138765	SLU 42	15029	33497	55356	2.5	31.11	Si
554	5X/2Y Ø8/14.4	126	-139511	SLU 37	15366	38145	50429	2.5	301.72	1077	-138595	SLU 42	15029	33497	55356	2.5	31.11	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
583	5X/2Y Ø8/14.4	126	-139341	SLU 37	15366	38145	50429	2.5	301.72	1077	-138426	SLU 42	15029	33497	55356	2.5	31.11	Si
612	5X/2Y Ø8/10	120	-174602	SLU 50	15366	48486	48767	2.2	402.8	1077	-138256	SLU 42	15029	48385	55356	2.5	44.94	Si
641	5X/2Y Ø8/10	120	-174432	SLU 50	15366	48486	48827	2.2	402.8	1077	-138086	SLU 42	15029	48385	55356	2.5	44.94	Si
670	5X/2Y Ø8/10	120	-174262	SLU 50	15366	48486	48887	2.2	402.8	1077	-137917	SLU 42	15029	48385	55356	2.5	44.94	Si
690	5X/2Y Ø8/10	240	-133268	SLU 49	15366	51792	52691	2.35	215.38	966	-105167	SLU 42	15029	48385	55356	2.5	50.06	Si
719	5X/2Y Ø8/10	240	-133101	SLU 49	15366	51792	52691	2.35	215.38	966	-105000	SLU 42	15029	48385	55356	2.5	50.06	Si
748	5X/2Y Ø8/10	240	-132932	SLU 49	15366	51792	52691	2.35	215.38	966	-104831	SLU 42	15029	48385	55356	2.5	50.06	Si
777	5X/2Y Ø8/14.4	240	-132762	SLU 49	15366	38145	50429	2.5	158.63	966	-104661	SLU 42	15029	33497	55356	2.5	34.66	Si
806	5X/2Y Ø8/14.4	240	-132593	SLU 49	15366	38145	50429	2.5	158.63	966	-104491	SLU 42	15029	33497	55356	2.5	34.66	Si
835	5X/2Y Ø8/14.4	240	-132423	SLU 49	15366	38145	50429	2.5	158.63	966	-104322	SLU 42	15029	33497	55356	2.5	34.66	Si
864	5X/2Y Ø8/14.4	240	-132253	SLU 49	15366	38145	50429	2.5	158.63	966	-104152	SLU 42	15029	33497	55356	2.5	34.66	Si
893	5X/2Y Ø8/14.4	240	-132084	SLU 49	15366	38145	50429	2.5	158.63	966	-103982	SLU 42	15029	33497	55356	2.5	34.66	Si
922	5X/2Y Ø8/10	240	-131914	SLU 49	15366	51792	52691	2.35	215.38	966	-103813	SLU 42	15029	48385	55356	2.5	50.06	Si
951	5X/2Y Ø8/10	240	-131744	SLU 49	15366	51792	52691	2.35	215.38	966	-103643	SLU 42	15029	48385	55356	2.5	50.06	Si
980	5X/2Y Ø8/10	240	-131575	SLU 49	15366	51792	52691	2.35	215.38	966	-103473	SLU 42	15029	48385	55356	2.5	50.06	Si
1000	4X/2Y Ø8/10	-223	-83321	SLU 26	12805	42315	43268	2.4	189.59	1010	-71053	SLU 43	12600	39534	45230	2.5	39.14	Si
1029	4X/2Y Ø8/10	-223	-83214	SLU 26	12805	42315	43268	2.4	189.59	1010	-70914	SLU 43	12600	39534	45230	2.5	39.14	Si
1058	4X/2Y Ø8/10	-223	-83105	SLU 26	12805	42315	43268	2.4	189.59	1010	-70772	SLU 43	12600	39534	45230	2.5	39.14	Si
1087	4X/2Y Ø8/14.4	-223	-82997	SLU 26	12805	30516	42024	2.5	136.72	1010	-70631	SLU 43	12600	27370	45230	2.5	27.1	Si
1116	4X/2Y Ø8/14.4	-223	-82888	SLU 26	12805	30516	42024	2.5	136.72	1010	-70490	SLU 43	12600	27370	45230	2.5	27.1	Si
1145	4X/2Y Ø8/14.4	-223	-82779	SLU 26	12805	30516	42024	2.5	136.72	1010	-70348	SLU 43	12600	27370	45230	2.5	27.1	Si
1174	4X/2Y Ø8/14.4	-223	-82670	SLU 26	12805	30516	42024	2.5	136.72	1010	-70207	SLU 43	12600	27370	45230	2.5	27.1	Si
1203	4X/2Y Ø8/14.4	-223	-82562	SLU 26	12805	30516	42024	2.5	136.72	1010	-70065	SLU 43	12600	27370	45230	2.5	27.1	Si
1232	4X/2Y Ø8/10	-223	-82453	SLU 26	12805	42315	43268	2.4	189.59	1010	-69924	SLU 43	12600	39534	45230	2.5	39.14	Si
1261	4X/2Y Ø8/10	-223	-82344	SLU 26	12805	42315	43268	2.4	189.59	1010	-69783	SLU 43	12600	39534	45230	2.5	39.14	Si
1290	4X/2Y Ø8/10	-223	-82237	SLU 26	12805	42315	43268	2.4	189.59	1010	-69644	SLU 43	12600	39534	45230	2.5	39.14	Si
1310	4X/2Y Ø8/10	954	-44685	SLU 49	11869	40552	41753	2.3	42.49	965	-35238	SLU 42	10326	39534	41069	2.5	40.95	Si
1339	4X/2Y Ø8/10	954	-44543	SLU 49	11851	40552	41734	2.3	42.49	965	-35097	SLU 42	10308	39534	41049	2.5	40.95	Si
1368	4X/2Y Ø8/10	954	-44402	SLU 49	11833	40552	41715	2.3	42.49	965	-34955	SLU 42	10289	39534	41029	2.5	40.95	Si
1397	4X/2Y Ø8/14.4	954	-44260	SLU 49	11816	30516	39320	2.5	31.98	965	-34814	SLU 42	10270	27370	41010	2.5	28.35	Si
1426	4X/2Y Ø8/14.4	954	-44119	SLU 49	11798	30516	39302	2.5	31.98	965	-34673	SLU 42	10251	27370	40990	2.5	28.35	Si
1455	4X/2Y Ø8/14.4	954	-43978	SLU 49	11781	30516	39284	2.5	31.98	965	-34531	SLU 42	10232	27370	40971	2.5	28.35	Si
1484	4X/2Y Ø8/14.4	954	-43836	SLU 49	11763	30516	39265	2.5	31.98	965	-34390	SLU 42	10213	27370	40951	2.5	28.35	Si
1513	4X/2Y Ø8/14.4	954	-43695	SLU 49	11745	30516	39247	2.5	31.98	965	-34248	SLU 42	10194	27370	40931	2.5	28.35	Si
1542	4X/2Y Ø8/10	954	-43554	SLU 49	11728	40552	41599	2.3	42.49	965	-34107	SLU 42	10175	39534	40912	2.5	40.95	Si
1571	4X/2Y Ø8/10	954	-43412	SLU 49	11710	40552	41580	2.3	42.49	965	-33966	SLU 42	10156	39534	40892	2.5	40.95	Si
1600	4X/2Y Ø8/10	954	-43273	SLU 49	11693	40552	41561	2.3	42.49	965	-33827	SLU 42	10137	39534	40873	2.5	40.95	Si
1620	4X/2Y Ø8/10	3479	-23657	SLU 51	9251	38789	40057	2.2	11.15	1230	-23657	SLU 51	8775	38743	40041	2.45	31.49	Si
1649	4X/2Y Ø8/10	3479	-23516	SLU 51	9233	38789	40037	2.2	11.15	1230	-23516	SLU 51	8756	38743	40021	2.45	31.49	Si
1678	4X/2Y Ø8/10	3479	-23374	SLU 51	9215	38789	40017	2.2	11.15	1230	-23374	SLU 51	8737	38743	40001	2.45	31.49	Si
1707	4X/2Y Ø8/14.4	3479	-23233	SLU 51	9198	30516	36612	2.5	8.77	1230	-23233	SLU 51	8718	27370	39405	2.5	22.24	Si
1736	4X/2Y Ø8/14.4	3479	-23092	SLU 51	9180	30516	36594	2.5	8.77	1230	-23092	SLU 51	8699	27370	39385	2.5	22.24	Si
1765	4X/2Y Ø8/14.4	3479	-22950	SLU 51	9163	30516	36575	2.5	8.77	1230	-22950	SLU 51	8680	27370	39365	2.5	22.24	Si
1794	4X/2Y Ø8/14.4	3479	-22809	SLU 51	9145	30516	36557	2.5	8.77	1230	-22809	SLU 51	8661	27370	39346	2.5	22.24	Si
1823	4X/2Y Ø8/14.4	3479	-22668	SLU 51	9127	30516	36539	2.5	8.77	1230	-22668	SLU 51	8642	27370	39326	2.5	22.24	Si
1852	4X/2Y Ø8/10	3479	-22526	SLU 51	9110	38789	39898	2.2	11.15	1230	-22526	SLU 51	8623	38743	39882	2.45	31.49	Si
1881	4X/2Y Ø8/10	3479	-22385	SLU 51	9092	38789	39878	2.2	11.15	1230	-22385	SLU 51	8604	38743	39862	2.45	31.49	Si
1910	4X/2Y Ø8/10	3479	-22246	SLU 51	9075	38789	39858	2.2	11.15	1230	-22246	SLU 51	8586	38743	39843	2.45	31.49	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	1647	-143025	SLV 15	15366	51797	52691	2.35	31.45	2604	-143382	SLV 11	15029	48390	55356	2.5	18.58	Si
-111	5X/2Y Ø8/10	1647	-142895	SLV 15	15366	51797	52691	2.35	31.45	2604	-143252	SLV 11	15029	48390	55356	2.5	18.58	Si
-81	5X/2Y Ø8/10	1647	-142762	SLV 15	15366	51797	52691	2.35	31.45	2604	-143120	SLV 11	15029	48390	55356	2.5	18.58	Si
-52	5X/2Y Ø8/10	1647	-142630	SLV 15	15366	51797	52691	2.35	31.45	2604	-142988	SLV 11	15029	48390	55356	2.5	18.58	Si
-22	5X/2Y Ø8/14.7	1647	-142498	SLV 15	15366	37388	50429	2.5	22.7	2604	-142855	SLV 11	15029	32833	55356	2.5	12.61	Si
7	5X/2Y Ø8/14.7	1647	-142365	SLV 15	15366	37388	50429	2.5	22.7	2604	-142723	SLV 11	15029	32833	55356	2.5	12.61	Si
36	5X/2Y Ø8/14.7	1647	-142233	SLV 15	15366	37388	50429	2.5	22.7	2604	-142590	SLV 11	15029	32833	55356	2.5	12.61	Si
66	5X/2Y Ø8/14.7	1647	-142101	SLV 15	15366	37388	50429	2.5	22.7	2604	-142458	SLV 11	15029	32833	55356	2.5	12.61	Si
95	5X/2Y Ø8/14.7	1647	-141968	SLV 15	15366	37388	50429	2.5	22.7	2604	-142326	SLV 11	15029	32833	55356	2.5	12.61	Si
125	5X/2Y Ø8/14.7	1647	-141836	SLV 15	15366	37388	50429	2.5	22.7	2604	-142193	SLV 11	15029	32833	55356	2.5	12.61	Si
154	5X/2Y Ø8/14.7	1647	-141704	SLV 15	15366	37388	50429	2.5	22.7	2604	-142061	SLV 11	15029	32833	55356	2.5	12.61	Si
184	5X/2Y Ø8/14.7	1647	-141571	SLV 15	15366	37388	50429	2.5	22.7	2604	-141929	SLV 11	15029	32833	55356	2.5	12.61	Si
213	5X/2Y Ø8/14.7	1647	-141438	SLV 15	15366	37388	50429	2.5	22.7	2604	-141795	SLV 11	15029	32833	55356	2.5	12.61	Si
242	5X/2Y Ø8/10	1647	-141307	SLV 15	15366	51792	52691	2.35	31.44	2604	-141664	SLV 11	15029	48385	55356	2.5	18.58	Si
272	5X/2Y Ø8/10	1647	-141174	SLV 15	15366	51792	52691	2.35	31.44	2604	-141532	SLV 11	15029	48385	55356	2.5	18.58	Si
301	5X/2Y Ø8/10	1647	-141042	SLV 15	15366	51792	52691	2.35	31.44	2604	-141399	SLV 11	15029	48385	55356	2.5	18.58	Si
331	5X/2Y Ø8/10	1647	-140910	SLV 15	15366	51792	52691	2.35	31.44	2604	-141267	SLV 11	15029	48385	55356	2.5	18.58	Si
360	5X/2Y Ø8/10	1647	-140779	SLV 15	15366	51792	52691	2.35	31.44	2604	-141137	SLV 11	15029	48385	55356	2.5	18.58	Si
380	5X/2Y Ø8/10	2733	-114479	SLV 15	15366	51792	52691	2.35	18.95	1773	-110831	SLV 7	15029	48385	55356	2.5	27.29	Si
409	5X/2Y Ø8/10	2733	-114348	SLV 15	15366	51792	52691	2.35	18.95	1773	-110700	SLV 7	15029	48385	55356	2.5	27.29	Si
438	5X/2Y Ø8/10	2733	-114218	SLV 15	15366	51792	52691	2.35	18.95	1773	-110570	SLV 7	15029	48385	55356	2.5	27.29	Si
467	5X/2Y Ø8/14.4	2733	-114087	SLV 15	15366	38145	50429	2.5	13.96	1773	-110439	SLV 7	15029	33497	55356	2.5	18.89	Si
496	5X/2Y Ø8/14.4	2733	-113957	SLV 15	15366	38145	50429	2.5	13.96	1773	-110309	SLV 7	15029	33497	55356	2.5	18.89	Si
525	5X/2Y Ø8/14.4	2733	-113826	SLV 15	15366	38145	50429	2.5	13.96	1773	-110178	SLV 7	15029	33497	55356	2.5	18.89	Si
554	5X/2Y Ø8/14.4	2733	-113696	SLV 15	15366	38145	50429	2.5	13.96	1773	-110048	SLV 7	15029	33497	55356	2.5	18.89	Si
583	5X/2Y Ø8/14.4	2733	-113565	SLV 15	15366	38145	50429	2.5	13.96	1773	-109917	SLV 7	15029	33497	55356	2.5	18.89	Si
612	5X/2Y Ø8/10	2733	-113435	SLV 15	15366	51792	52691	2.35	18.95	1773	-109787	SLV 7	15029	48385	55356	2.5	27.29	Si
641	5X/2Y Ø8/10	2733	-113304	SLV 15	15366	51792	52691	2.35	18.95	1773	-109656	SLV 7	15029	48385	55356	2.5	27.29	Si
670	5X/2Y Ø8/10	2733	-113174	SLV 15	15366	51792	52691	2.35	18.95	1773	-109526	SLV 7	15029	48385	55356	2.5	27.29	Si
690	5X/2Y Ø8/10	2688	-87024	SLV 15	15366	51792	52691	2.35	19.27	2282	-86547	SLV 11	15029	48385	55356	2.5	21.21	Si
719	5X/2Y Ø8/10	2688	-86896	SLV 15	15366	51792	52691	2.35	19.27	2282	-86419	SLV 11	15029	48385	55356	2.5	21.21	Si
748	5X/2Y Ø8/10	2688	-86765	SLV 15	15366	51792	52691	2.35	19.27	2282	-86289	SLV 11	15029	48385	55356	2.5	21.21	Si
777	5X/2Y Ø8/14.4	2688	-86635	SLV 15	15366	38145	50429	2.5	14.19	2282	-86158	SLV 11	15029	33497	55356	2.5	14.68	Si
806	5X/2Y Ø8/14.4	2688	-86504	SLV 15	15366	38145	50429	2.5	14.19	2282	-86028	SLV 11	15029	33497	55356	2.5	14.68	Si
835	5X/2Y Ø8/14.4	2688	-86374	SLV 15	15366	38145	50429	2.5	14.19	2282	-85897	SLV 11	15029	33497	55356	2.5	14.68	Si
864	5X/2Y Ø8/14.4	2688	-86243	SLV 15	15366	38145	50429	2.5	14.19	2282	-85767	SLV 11	15029	33497	55356	2.5	14.68	Si
893	5X/2Y Ø8/14.4	2688	-86113	SLV 15	15366	38145	50429	2.5	14.19	2282	-85636	SLV 11	15029	33497	55356	2.5	14.68	Si
922	5X/2Y Ø8/10	2688	-85982	SLV 15	15366	51792	52691	2.35	19.27	2282	-85506	SLV 11	15029	48385	55356	2.5	21.21	Si
951	5X/2Y Ø8/10	2688	-85852	SLV 15	15366	51792	52691	2.35	19.27	2282	-85375	SLV 11	15029	48385	55356	2.5	21.21	Si
980	5X/2Y Ø8/10	2688	-85721	SLV 15	15366	51792	52691	2.35	19.27	2282	-85245	SLV 11	15029	48385	55356	2.5	21.21	Si
1000	4X/2Y Ø8/10	-2313	-49093	SLV 1	12417	41434	41734	2.35	17.91	2153	-56199	SLV 7	12600	39534	43974	2.5	18.36	Si
1029	4X/2Y Ø8/10	-2313	-48986	SLV 1	12404	41434	41719	2.35	17.91	2153	-56092	SLV 7	12600	39534	43959	2.5	18.36	Si
1058	4X/2Y Ø8/10	-2313	-48878	SLV 1	12391	41434	41705	2.35	17.91	2153	-55983	SLV 7	12600	39534	43944	2.5	18.36	Si
1087	4X/2Y Ø8/14.4	-2313	-48769	SLV 1	12377	30516	39901	2.5	13.19	2153	-55875	SLV 7	12600	27370	43929	2.5	12.71	Si
1116	4X/2Y Ø8/14.4	-2313	-48660	SLV 1	12364	30516	39887	2.5	13.19	2153	-55766	SLV 7	12600	27370	43914	2.5	12.71	Si
1145	4X/2Y Ø8/14.4	-2313	-48551	SLV 1	12350	30516	39873	2.5	13.19	2153	-55657	SLV 7	12600	27370	43899	2.5	12.71	Si
1174	4X/2Y Ø8/14.4	-2313	-48443	SLV 1	12336	30516	39859	2.5	13.19	2153	-55548	SLV 7	12600	27370	43884	2.5	12.71	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1203	4X/2Y Ø8/14.4	-2313	-48334	SLV 1	12323	30516	39845	2.5	13.19	2153	-55440	SLV 7	12600	27370	43869	2.5	12.71	Si
1232	4X/2Y Ø8/10	-2313	-48225	SLV 1	12309	41434	41617	2.35	17.91	2153	-55331	SLV 7	12600	39534	43854	2.5	18.36	Si
1261	4X/2Y Ø8/10	-2313	-48116	SLV 1	12296	41434	41602	2.35	17.91	2153	-55222	SLV 7	12600	39534	43839	2.5	18.36	Si
1290	4X/2Y Ø8/10	-2313	-48009	SLV 1	12283	41434	41588	2.35	17.91	2153	-55115	SLV 7	12600	39534	43824	2.5	18.36	Si
1310	4X/2Y Ø8/10	2285	-31411	SLV 15	10216	39671	40538	2.25	17.36	3058	-30334	SLV 11	9669	39534	40389	2.5	12.93	Si
1339	4X/2Y Ø8/10	2285	-31302	SLV 15	10202	39671	40523	2.25	17.36	3058	-30226	SLV 11	9655	39534	40374	2.5	12.93	Si
1368	4X/2Y Ø8/10	2285	-31193	SLV 15	10189	39671	40508	2.25	17.36	3058	-30117	SLV 11	9640	39534	40359	2.5	12.93	Si
1397	4X/2Y Ø8/14.4	2285	-31084	SLV 15	10175	30516	37623	2.5	13.36	3058	-30008	SLV 11	9626	27370	40344	2.5	8.95	Si
1426	4X/2Y Ø8/14.4	2285	-30976	SLV 15	10162	30516	37609	2.5	13.36	3058	-29899	SLV 11	9611	27370	40329	2.5	8.95	Si
1455	4X/2Y Ø8/14.4	2285	-30867	SLV 15	10148	30516	37595	2.5	13.36	3058	-29791	SLV 11	9597	27370	40314	2.5	8.95	Si
1484	4X/2Y Ø8/14.4	2285	-30758	SLV 15	10135	30516	37581	2.5	13.36	3058	-29682	SLV 11	9582	27370	40298	2.5	8.95	Si
1513	4X/2Y Ø8/14.4	2285	-30649	SLV 15	10121	30516	37567	2.5	13.36	3058	-29573	SLV 11	9567	27370	40283	2.5	8.95	Si
1542	4X/2Y Ø8/10	2285	-30541	SLV 15	10108	39671	40418	2.25	17.36	3058	-29464	SLV 11	9553	39534	40268	2.5	12.93	Si
1571	4X/2Y Ø8/10	2285	-30432	SLV 15	10094	39671	40403	2.25	17.36	3058	-29356	SLV 11	9538	39534	40253	2.5	12.93	Si
1600	4X/2Y Ø8/10	2285	-30325	SLV 15	10081	39671	40388	2.25	17.36	3058	-29249	SLV 11	9524	39534	40238	2.5	12.93	Si
1620	4X/2Y Ø8/10	3499	-16388	SLV 15	8346	38789	39034	2.2	11.09	2054	-15811	SLV 11	7723	38743	38937	2.45	18.86	Si
1649	4X/2Y Ø8/10	3499	-16279	SLV 15	8332	38789	39019	2.2	11.09	2054	-15702	SLV 11	7709	38743	38922	2.45	18.86	Si
1678	4X/2Y Ø8/10	3499	-16170	SLV 15	8319	38789	39003	2.2	11.09	2054	-15593	SLV 11	7694	38743	38907	2.45	18.86	Si
1707	4X/2Y Ø8/14.4	3499	-16061	SLV 15	8305	30516	35688	2.5	8.72	2054	-15485	SLV 11	7680	27370	38330	2.5	13.32	Si
1736	4X/2Y Ø8/14.4	3499	-15953	SLV 15	8291	30516	35674	2.5	8.72	2054	-15376	SLV 11	7665	27370	38315	2.5	13.32	Si
1765	4X/2Y Ø8/14.4	3499	-15844	SLV 15	8278	30516	35660	2.5	8.72	2054	-15267	SLV 11	7650	27370	38300	2.5	13.32	Si
1794	4X/2Y Ø8/14.4	3499	-15735	SLV 15	8264	30516	35646	2.5	8.72	2054	-15158	SLV 11	7636	27370	38285	2.5	13.32	Si
1823	4X/2Y Ø8/14.4	3499	-15626	SLV 15	8251	30516	35632	2.5	8.72	2054	-15050	SLV 11	7621	27370	38270	2.5	13.32	Si
1852	4X/2Y Ø8/10	3499	-15518	SLV 15	8237	38789	38912	2.2	11.09	2054	-14941	SLV 11	7607	38743	38815	2.45	18.86	Si
1881	4X/2Y Ø8/10	3499	-15409	SLV 15	8224	38789	38896	2.2	11.09	2054	-14832	SLV 11	7592	38743	38800	2.45	18.86	Si
1910	4X/2Y Ø8/10	3499	-15302	SLV 15	8210	38789	38881	2.2	11.09	2054	-14725	SLV 11	7578	38743	38785	2.45	18.86	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	720	-137480	SLD 15	19266	55104	50429	2.5	70.01	1272	-137619	SLD 11	19310	48390	55356	2.5	38.05	Si
-111	5X/2Y Ø8/10	720	-137350	SLD 15	19266	55104	50429	2.5	70.01	1272	-137489	SLD 11	19310	48390	55356	2.5	38.05	Si
-81	5X/2Y Ø8/10	720	-137217	SLD 15	19266	55104	50429	2.5	70.01	1272	-137357	SLD 11	19310	48390	55356	2.5	38.05	Si
-52	5X/2Y Ø8/10	720	-137085	SLD 15	19266	55104	50429	2.5	70.01	1272	-137224	SLD 11	19310	48390	55356	2.5	38.05	Si
-22	5X/2Y Ø8/14.7	720	-136953	SLD 15	19266	37388	50429	2.5	51.91	1272	-137092	SLD 11	19310	32833	55356	2.5	25.82	Si
7	5X/2Y Ø8/14.7	720	-136820	SLD 15	19266	37388	50429	2.5	51.91	1272	-136959	SLD 11	19310	32833	55356	2.5	25.82	Si
36	5X/2Y Ø8/14.7	720	-136688	SLD 15	19266	37388	50429	2.5	51.91	1272	-136827	SLD 11	19310	32833	55356	2.5	25.82	Si
66	5X/2Y Ø8/14.7	720	-136556	SLD 15	19266	37388	50429	2.5	51.91	1272	-136695	SLD 11	19310	32833	55356	2.5	25.82	Si
95	5X/2Y Ø8/14.7	720	-136423	SLD 15	19266	37388	50429	2.5	51.91	1272	-136562	SLD 11	19310	32833	55356	2.5	25.82	Si
125	5X/2Y Ø8/14.7	720	-136291	SLD 15	19266	37388	50429	2.5	51.91	1272	-136430	SLD 11	19310	32833	55356	2.5	25.82	Si
154	5X/2Y Ø8/14.7	720	-136159	SLD 15	19266	37388	50429	2.5	51.91	1272	-136298	SLD 11	19310	32833	55356	2.5	25.82	Si
184	5X/2Y Ø8/14.7	720	-136026	SLD 15	19266	37388	50429	2.5	51.91	1272	-136165	SLD 11	19310	32833	55356	2.5	25.82	Si
213	5X/2Y Ø8/14.7	720	-135893	SLD 15	19266	37388	50429	2.5	51.91	1272	-136032	SLD 11	19310	32833	55356	2.5	25.82	Si
242	5X/2Y Ø8/10	720	-135762	SLD 15	19266	55098	50429	2.5	70.01	1272	-135901	SLD 11	19310	48385	55356	2.5	38.05	Si
272	5X/2Y Ø8/10	720	-135629	SLD 15	19266	55098	50429	2.5	70.01	1272	-135768	SLD 11	19310	48385	55356	2.5	38.05	Si
301	5X/2Y Ø8/10	720	-135497	SLD 15	19266	55098	50429	2.5	70.01	1272	-135636	SLD 11	19310	48385	55356	2.5	38.05	Si
331	5X/2Y Ø8/10	720	-135365	SLD 15	19266	55098	50429	2.5	70.01	1272	-135504	SLD 11	19310	48385	55356	2.5	38.05	Si
360	5X/2Y Ø8/10	720	-135234	SLD 15	19266	55098	50429	2.5	70.01	1272	-135373	SLD 11	19310	48385	55356	2.5	38.05	Si
380	5X/2Y Ø8/10	1106	-109773	SLD 15	19266	55098	50429	2.5	45.58	1084	-108347	SLD 7	19310	48385	55356	2.5	44.63	Si
409	5X/2Y Ø8/10	1106	-109643	SLD 15	19266	55098	50429	2.5	45.58	1084	-108217	SLD 7	19310	48385	55356	2.5	44.63	Si
438	5X/2Y Ø8/10	1106	-109512	SLD 15	19266	55098	50429	2.5	45.58	1084	-108086	SLD 7	19310	48385	55356	2.5	44.63	Si
467	5X/2Y Ø8/14.4	1106	-109382	SLD 15	19266	38145	50429	2.5	34.48	1084	-107956	SLD 7	19310	33497	55356	2.5	30.9	Si
496	5X/2Y Ø8/14.4	1106	-109251	SLD 15	19266	38145	50429	2.5	34.48	1084	-107825	SLD 7	19310	33497	55356	2.5	30.9	Si
525	5X/2Y Ø8/14.4	1106	-109121	SLD 15	19266	38145	50429	2.5	34.48	1084	-107695	SLD 7	19310	33497	55356	2.5	30.9	Si
554	5X/2Y Ø8/14.4	1106	-108990	SLD 15	19266	38145	50429	2.5	34.48	1084	-107564	SLD 7	19310	33497	55356	2.5	30.9	Si
583	5X/2Y Ø8/14.4	1106	-108860	SLD 15	19266	38145	50429	2.5	34.48	1084	-107434	SLD 7	19310	33497	55356	2.5	30.9	Si
612	5X/2Y Ø8/10	1106	-108729	SLD 15	19266	55098	50429	2.5	45.58	1084	-107303	SLD 7	19310	48385	55356	2.5	44.63	Si
641	5X/2Y Ø8/10	1106	-108599	SLD 15	19266	55098	50429	2.5	45.58	1084	-107173	SLD 7	19310	48385	55356	2.5	44.63	Si
670	5X/2Y Ø8/10	1106	-108468	SLD 15	19266	55098	50429	2.5	45.58	1084	-107042	SLD 7	19310	48385	55356	2.5	44.63	Si
690	5X/2Y Ø8/10	1130	-83097	SLD 15	17912	55098	50429	2.5	44.64	1247	-82917	SLD 11	17799	48385	55356	2.5	38.8	Si
719	5X/2Y Ø8/10	1130	-82969	SLD 15	17896	55098	50429	2.5	44.64	1247	-82789	SLD 11	17781	48385	55356	2.5	38.8	Si
748	5X/2Y Ø8/10	1130	-82838	SLD 15	17880	55098	50429	2.5	44.64	1247	-82658	SLD 11	17763	48385	55356	2.5	38.8	Si
777	5X/2Y Ø8/14.4	1130	-82708	SLD 15	17864	38145	50429	2.5	33.77	1247	-82528	SLD 11	17746	33497	55356	2.5	26.86	Si
806	5X/2Y Ø8/14.4	1130	-82577	SLD 15	17847	38145	50429	2.5	33.77	1247	-82397	SLD 11	17728	33497	55356	2.5	26.86	Si
835	5X/2Y Ø8/14.4	1130	-82447	SLD 15	17831	38145	50429	2.5	33.77	1247	-82267	SLD 11	17710	33497	55356	2.5	26.86	Si
864	5X/2Y Ø8/14.4	1130	-82316	SLD 15	17815	38145	50429	2.5	33.77	1247	-82136	SLD 11	17692	33497	55356	2.5	26.86	Si
893	5X/2Y Ø8/14.4	1130	-82186	SLD 15	17799	38145	50429	2.5	33.77	1247	-82006	SLD 11	17674	33497	55356	2.5	26.86	Si
922	5X/2Y Ø8/10	1130	-82055	SLD 15	17782	55098	50429	2.5	44.64	1247	-81875	SLD 11	17656	48385	55356	2.5	38.8	Si
951	5X/2Y Ø8/10	1130	-81925	SLD 15	17766	55098	50429	2.5	44.64	1247	-81745	SLD 11	17639	48385	55356	2.5	38.8	Si
980	5X/2Y Ø8/10	1130	-81794	SLD 15	17750	55098	50429	2.5	44.64	1247	-81614	SLD 11	17621	48385	55356	2.5	38.8	Si
1000	4X/2Y Ø8/10	-960	-52288	SLD 1	12815	44078	40354	2.5	42.04	1290	-55106	SLD 7	12989	39534	43823	2.5	30.64	Si
1029	4X/2Y Ø8/10	-960	-52181	SLD 1	12802	44078	40340	2.5	42.03	1290	-54999	SLD 7	12974	39534	43808	2.5	30.64	Si
1058	4X/2Y Ø8/10	-960	-52072	SLD 1	12788	44078	40326	2.5	42.01	1290	-54890	SLD 7	12960	39534	43793	2.5	30.64	Si
1087	4X/2Y Ø8/14.4	-960	-51964	SLD 1	12775	30516	40312	2.5	31.79	1290	-54782	SLD 7	12945	27370	43778	2.5	21.21	Si
1116	4X/2Y Ø8/14.4	-960	-51855	SLD 1	12761	30516	40298	2.5	31.79	1290	-54673	SLD 7	12931	27370	43763	2.5	21.21	Si
1145	4X/2Y Ø8/14.4	-960	-51746	SLD 1	12748	30516	40284	2.5	31.79	1290	-54564	SLD 7	12916	27370	43748	2.5	21.21	Si
1174	4X/2Y Ø8/14.4	-960	-51637	SLD 1	12734	30516	40270	2.5	31.79	1290	-54455	SLD 7	12902	27370	43733	2.5	21.21	Si
1203	4X/2Y Ø8/14.4	-960	-51529	SLD 1	12721	30516	40256	2.5	31.79	1290	-54347	SLD 7	12887	27370	43717	2.5	21.21	Si
1232	4X/2Y Ø8/10	-960	-51420	SLD 1	12707	44078	40242	2.5	41.93	1290	-54238	SLD 7	12872	39534	43702	2.5	30.64	Si
1261	4X/2Y Ø8/10	-960	-51311	SLD 1	12694	44078	40228	2.5	41.91	1290	-54129	SLD 7	12858	39534	43687	2.5	30.64	Si
1290	4X/2Y Ø8/10	-960	-51204	SLD 1	12680	44078	40214	2.5	41.9	1290	-54022	SLD 7	12843	39534	43673	2.5	30.64	Si
1310	4X/2Y Ø8/10	1291	-28765	SLD 15	9887	44078	37324	2.5	28.9	1620	-28349	SLD 11	9403	39534	40114	2.5	24.4	Si
1339	4X/2Y Ø8/10	1291	-28656	SLD 15	9873	44078	37310	2.5	28.89	1620	-28241	SLD 11	9389	39534	40099	2.5	24.4	Si
1368	4X/2Y Ø8/10	1291	-28547	SLD 15	9860	44078	37296	2.5	28.88	1620	-28132	SLD 11	9374	39534	40084	2.5	24.4	Si
1397	4X/2Y Ø8/14.4	1291	-28439	SLD 15	9846	30516	37282	2.5	23.63	1620	-28023	SLD 11	9360	27370	40069	2.5	16.89	Si
1426	4X/2Y Ø8/14.4	1291	-28330	SLD 15	9832	30516	37268	2.5	23.63	1620	-27914	SLD 11	9345	27370	40053	2.5	16.89	Si
1455	4X/2Y Ø8/14.4	1291	-28221	SLD 15	9819	30516	37254	2.5	23.63	1620	-27806	SLD 11	9331	27370	40038	2.5	16.89	Si
1484	4X/2Y Ø8/14.4	1291	-28112	SLD 15	9805	30516	37240	2.5	23.63	1620	-27697	SLD 11	9316	27370	40023	2.5	16.89	Si
1513	4X/2Y Ø8/14.4	1291	-28004	SLD 15	9792	30516	37226	2.5	23.63	1620	-27588	SLD 11	9301	27370	40008	2.5	16.89	Si
1542	4X/2Y Ø8/10	1291	-27895	SLD 15	9778	44078	37212	2.5	28.81	1620	-27479	SLD 11	9287	39534	39993	2.5	24.4	Si
1571	4X/2Y Ø8/10	1291	-27786	SLD 15	9765	44078	37198	2.5	28.8	1620	-27371	SLD 11	9272	39534	39978	2.5	24.4	Si
1600	4X/2Y Ø8/10	1291	-27679	SLD 15	9751	44078	37184	2.5	28.79	1620	-27264	SLD 11	9258	39534	39963	2.5	24.4	Si
1620	4X/2Y Ø8/10	2612	-14898	SLD 15	8160	44078	35538	2.5	13.61	1328	-14675	SLD 11	7571	39534	38218	2.5	28.77	Si
1649	4X/2Y Ø8/10	2612	-14789	SLD 15	8147	44078	35524	2.5	13.6	1328	-14567	SLD 11	7557	39534	38203	2.5	28.76	Si
1678	4X/2Y Ø8/10	2612	-14680	SLD 15	8133	44078	35510	2.5	13.59	1328	-14458	SLD 11	7542	39534	38188	2.5	28.75	Si
1707	4X/2Y Ø8/14.4	2612	-14572	SLD 15	8120	30516	35496	2.5	11.68	1328	-14349	SLD 11	7527	27370	38173	2.5	20.61	Si
1736	4X/2Y Ø8/14.4	2612	-14463	SLD 15	8106	30516	35482	2.5	11.68	1328	-14240	SLD 11	7513	27370	38158	2.5	20.61	Si
1765	4X/2Y Ø8/14.4	2612	-14354	SLD 15	8092	30516	35468	2.5	11.68	1328	-14132	SLD 11	7498	27370	38143	2.5	20.61	Si
1794	4X/2Y Ø8/14.4	2612	-14245	SLD 15	8079	30516	35454	2.5	11.68	1328	-14023	SLD 11	7484	27370	38128	2.5	20.61	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1823	4X/2Y Ø8/14.4	2612	-14137	SLD 15	8065	30516	35440	2.5	11.68	1328	-13914	SLD 11	7469	27370	38113	2.5	20.61	Si
1852	4X/2Y Ø8/10	2612	-14028	SLD 15	8052	44078	35426	2.5	13.56	1328	-13805	SLD 11	7455	39534	38098	2.5	28.68	Si
1881	4X/2Y Ø8/10	2612	-13919	SLD 15	8038	44078	35412	2.5	13.56	1328	-13697	SLD 11	7440	39534	38083	2.5	28.67	Si
1910	4X/2Y Ø8/10	2612	-13812	SLD 15	8025	44078	35398	2.5	13.55	1328	-13590	SLD 11	7426	39534	38068	2.5	28.66	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	-107352	-33716	-155090	SLE RA 13	-84.4	-107352	-33716	-155090	SLE RA 13	-1234.4	Si
-111	-95197	-30226	-154960	SLE RA 13	-82	-95197	-30226	-154960	SLE RA 13	-1202.7	Si
-81	-82832	-26675	-154828	SLE RA 13	-80	-82832	-26675	-154828	SLE RA 13	-1177	Si
-52	-70467	-23124	-154695	SLE RA 13	-79.1	-70467	-23124	-154695	SLE RA 13	-1165.7	Si
-22	-58103	-19573	-154563	SLE RA 13	-78.1	-58103	-19573	-154563	SLE RA 13	-1154.4	Si
7	-45738	-16022	-154431	SLE RA 13	-77.1	-45738	-16022	-154431	SLE RA 13	-1143.1	Si
36	-33373	-12470	-154298	SLE RA 13	-76.1	-33373	-12470	-154298	SLE RA 13	-1131.8	Si
66	-21008	-8919	-154166	SLE RA 13	-75.2	-21008	-8919	-154166	SLE RA 13	-1120.5	Si
95	-8643	-5368	-154034	SLE RA 13	-74.2	-8643	-5368	-154034	SLE RA 13	-1109.2	Si
125	10220	-1805	-153939	SLE RA 12	-73.9	10220	-1805	-153939	SLE RA 12	-1106.3	Si
154	20991	2377	-153807	SLE RA 12	-74.4	20991	2377	-153807	SLE RA 12	-1112.2	Si
184	31763	6559	-153675	SLE RA 12	-75.2	31763	6559	-153675	SLE RA 12	-1121.2	Si
213	42639	10782	-153541	SLE RA 12	-76.1	42639	10782	-153541	SLE RA 12	-1130.3	Si
242	53307	14923	-153410	SLE RA 12	-76.9	53307	14923	-153410	SLE RA 12	-1139.3	Si
272	64079	19106	-153278	SLE RA 12	-77.7	64079	19106	-153278	SLE RA 12	-1148.3	Si
301	74851	23288	-153145	SLE RA 12	-78.5	74851	23288	-153145	SLE RA 12	-1157.4	Si
331	85622	27470	-153013	SLE RA 12	-79.4	85622	27470	-153013	SLE RA 12	-1166.4	Si
360	96211	31581	-152883	SLE RA 12	-80.2	96211	31581	-152883	SLE RA 12	-1175.3	Si
380	-62936	-7663	-124003	SLE RA 13	-62.7	-62936	-7663	-124003	SLE RA 13	-928.6	Si
409	-45647	-5171	-123872	SLE RA 13	-61.6	-45647	-5171	-123872	SLE RA 13	-915.4	Si
438	-28357	-2679	-123742	SLE RA 13	-60.5	-28357	-2679	-123742	SLE RA 13	-902.1	Si
467	-10820	507	-123627	SLE RA 12	-59.4	-10820	507	-123627	SLE RA 12	-889.2	Si
496	5096	2842	-123497	SLE RA 12	-59.3	6222	2305	-123481	SLE RA 13	-887	Si
525	23511	4797	-123350	SLE RA 13	-60.2	23511	4797	-123350	SLE RA 13	-898.4	Si
554	40801	7289	-123220	SLE RA 13	-61.2	40801	7289	-123220	SLE RA 13	-909.8	Si
583	58090	9781	-123089	SLE RA 13	-62.2	58090	9781	-123089	SLE RA 13	-921.1	Si
612	75380	12273	-122959	SLE RA 13	-63.2	75380	12273	-122959	SLE RA 13	-932.5	Si
641	92669	14764	-122828	SLE RA 13	-64.2	92669	14764	-122828	SLE RA 13	-943.9	Si
670	109959	17256	-122698	SLE RA 13	-65.2	109959	17256	-122698	SLE RA 13	-955.2	Si
690	-53960	-18171	-93909	SLE RA 12	-48.9	-53960	-18171	-93909	SLE RA 12	-717.9	Si
719	-40831	-13327	-93780	SLE RA 12	-47.8	-40831	-13327	-93780	SLE RA 12	-705	Si
748	-27472	-8397	-93650	SLE RA 12	-46.6	-27472	-8397	-93650	SLE RA 12	-691.9	Si
777	-14112	-3468	-93519	SLE RA 12	-45.5	-14112	-3468	-93519	SLE RA 12	-678.8	Si
806	2718	1948	-93355	SLE RA 13	-44.7	2718	1948	-93355	SLE RA 13	-669.6	Si
835	17010	6555	-93224	SLE RA 13	-45.8	17010	6555	-93224	SLE RA 13	-681.1	Si
864	31303	11162	-93094	SLE RA 13	-46.8	31303	11162	-93094	SLE RA 13	-692.6	Si
893	45595	15769	-92963	SLE RA 13	-47.8	45595	15769	-92963	SLE RA 13	-704.1	Si
922	59887	20376	-92833	SLE RA 13	-48.9	59887	20376	-92833	SLE RA 13	-715.6	Si
951	74180	24983	-92702	SLE RA 13	-49.8	74180	24983	-92702	SLE RA 13	-725.7	Si
980	88472	29590	-92572	SLE RA 13	-48.3	88472	29590	-92572	SLE RA 13	-701	Si
1000	-71573	4898	-63795	SLE RA 12	-40.7	-71573	4898	-63795	SLE RA 12	-592.9	Si
1029	-51696	880	-63688	SLE RA 12	-39.6	-51696	880	-63688	SLE RA 12	-583	Si
1058	-31471	-3210	-63579	SLE RA 12	-39	-31471	-3210	-63579	SLE RA 12	-576.6	Si
1087	-11246	-7299	-63470	SLE RA 12	-38	-11246	-7299	-63470	SLE RA 12	-563.7	Si
1116	8979	-11388	-63361	SLE RA 12	-38.3	8979	-11388	-63361	SLE RA 12	-565.3	Si
1145	29205	-15477	-63253	SLE RA 12	-40	29205	-15477	-63253	SLE RA 12	-585	Si
1174	49430	-19567	-63144	SLE RA 12	-41.8	49430	-19567	-63144	SLE RA 12	-604.8	Si
1203	69655	-23656	-63035	SLE RA 12	-43.6	69655	-23656	-63035	SLE RA 12	-624.6	Si
1232	89880	-27745	-62926	SLE RA 12	-45.4	89880	-27745	-62926	SLE RA 12	-644.4	Si
1261	110106	-31834	-62818	SLE RA 12	-47.1	110106	-31834	-62818	SLE RA 12	-664.2	Si
1290	129982	-35853	-62711	SLE RA 12	-48.9	129982	-35853	-62711	SLE RA 12	-683.6	Si
1310	-140267	-38962	-31539	SLE RA 13	-32	-140267	-38962	-31539	SLE RA 13	-426.7	Si
1339	-122516	-20393	-31430	SLE RA 13	-28.7	-122516	-20393	-31430	SLE RA 13	-391.6	Si
1368	-104766	-1823	-31322	SLE RA 13	-25.4	-104766	-1823	-31322	SLE RA 13	-356.5	Si
1397	-87016	16746	-31213	SLE RA 13	-25.7	-87016	16746	-31213	SLE RA 13	-357.1	Si
1426	-69266	35316	-31104	SLE RA 13	-26.5	-69266	35316	-31104	SLE RA 13	-361.7	Si
1455	-51516	53885	-30995	SLE RA 13	-27.3	-51516	53885	-30995	SLE RA 13	-366.3	Si
1484	-34169	72836	-30908	SLE RA 12	-28.1	-34169	72836	-30908	SLE RA 12	-371.8	Si
1513	-17865	92286	-30799	SLE RA 12	-29.1	-17865	92286	-30799	SLE RA 12	-378.4	Si
1542	-1560	111735	-30690	SLE RA 12	-30.1	-1560	111735	-30690	SLE RA 12	-387.2	Si
1571	15158	131869	-30496	SLE RA 10	-33.1	19898	128846	-30474	SLE RA 11	-416.4	Si
1600	30865	151179	-30389	SLE RA 10	-36.3	37025	147292	-30368	SLE RA 11	-449	Si
1620	-73612	-317485	-16665	SLE RA 12	-70.5	-73612	-317485	-16665	SLE RA 12	977.9	Si
1649	-48278	-246186	-16556	SLE RA 12	-52.6	-48278	-246186	-16556	SLE RA 12	562.8	Si
1678	-22945	-174888	-16447	SLE RA 12	-30.4	-22945	-174888	-16447	SLE RA 12	-347.2	Si
1707	5115	-104044	-16330	SLE RA 13	-21.2	5115	-104044	-16330	SLE RA 13	-256.1	Si
1736	30337	-32992	-16221	SLE RA 13	-15	30337	-32992	-16221	SLE RA 13	-199.5	Si
1765	55558	38059	-16113	SLE RA 13	-17.3	55558	38059	-16113	SLE RA 13	-224.4	Si
1794	80780	109111	-16004	SLE RA 13	-26.8	80780	109111	-16004	SLE RA 13	-319.8	Si
1823	103723	181605	-15904	SLE RA 12	-45.7	106001	180163	-15895	SLE RA 13	-486.4	Si
1852	129056	252903	-15795	SLE RA 12	-64.5	129056	252903	-15795	SLE RA 12	779.5	Si
1881	154390	324202	-15686	SLE RA 12	-83.3	154390	324202	-15686	SLE RA 12	1223.7	Si
1910	179286	394271	-15579	SLE RA 12	-88.3	179286	394271	-15579	SLE RA 12	1283.8	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	-96345	-33251	-133922	SLE QP 2	-73.4	Si
-111	-84909	-29760	-133792	SLE QP 2	-71.3	Si
-81	-73275	-26210	-133660	SLE QP 2	-69.5	Si
-52	-61641	-22659	-133528	SLE QP 2	-68.5	Si
-22	-50007	-19108	-133395	SLE QP 2	-67.6	Si
7	-38373	-15557	-133263	SLE QP 2	-66.7	Si
36	-26738	-12007	-133131	SLE QP 2	-65.7	Si
66	-15104	-8456	-132998	SLE QP 2	-64.8	Si
95	-3470	-4905	-132866	SLE QP 2	-63.8	Si
125	8164	-1355	-132733	SLE QP 2	-63.7	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
154	19798	2196	-132601	SLE QP 2	-64.2	Si
184	31432	5747	-132469	SLE QP 2	-65	Si
213	43178	9332	-132335	SLE QP 2	-65.9	Si
242	54700	12848	-132204	SLE QP 2	-66.7	Si
272	66334	16399	-132072	SLE QP 2	-67.5	Si
301	77968	19950	-131939	SLE QP 2	-68.3	Si
331	89602	23501	-131807	SLE QP 2	-69.1	Si
360	101038	26991	-131677	SLE QP 2	-69.9	Si
380	-76838	-4576	-106742	SLE QP 2	-54.8	Si
409	-58306	-2717	-106612	SLE QP 2	-53.7	Si
438	-39775	-858	-106481	SLE QP 2	-52.6	Si
467	-21243	1001	-106351	SLE QP 2	-51.7	Si
496	-2712	2860	-106220	SLE QP 2	-50.9	Si
525	15820	4719	-106090	SLE QP 2	-51.7	Si
554	34351	6577	-105959	SLE QP 2	-52.6	Si
583	52883	8436	-105829	SLE QP 2	-53.6	Si
612	71414	10295	-105698	SLE QP 2	-54.6	Si
641	89946	12154	-105568	SLE QP 2	-55.6	Si
670	108477	14013	-105437	SLE QP 2	-56.6	Si
690	-71128	-14160	-80555	SLE QP 2	-43	Si
719	-54577	-10365	-80426	SLE QP 2	-41.8	Si
748	-37736	-6503	-80296	SLE QP 2	-40.6	Si
777	-20894	-2641	-80165	SLE QP 2	-39.4	Si
806	-4053	1221	-80035	SLE QP 2	-38.4	Si
835	12789	5083	-79904	SLE QP 2	-39.1	Si
864	29630	8945	-79774	SLE QP 2	-40.2	Si
893	46472	12806	-79643	SLE QP 2	-41.3	Si
922	63313	16668	-79513	SLE QP 2	-42.4	Si
951	80155	20530	-79382	SLE QP 2	-43.4	Si
980	96996	24392	-79252	SLE QP 2	-42.2	Si
1000	-78442	2359	-54369	SLE QP 2	-35.7	Si
1029	-58610	-305	-54262	SLE QP 2	-34.7	Si
1058	-38430	-3015	-54153	SLE QP 2	-34.1	Si
1087	-18249	-5726	-54044	SLE QP 2	-32.9	Si
1116	1931	-8436	-53935	SLE QP 2	-32	Si
1145	22112	-11146	-53827	SLE QP 2	-33.7	Si
1174	42292	-13857	-53718	SLE QP 2	-35.3	Si
1203	62472	-16567	-53609	SLE QP 2	-36.9	Si
1232	82653	-19277	-53500	SLE QP 2	-38.5	Si
1261	102833	-21988	-53392	SLE QP 2	-40.1	Si
1290	122666	-24651	-53285	SLE QP 2	-41.7	Si
1310	-124550	-44143	-27031	SLE QP 2	-28.9	Si
1339	-107818	-26419	-26922	SLE QP 2	-25.8	Si
1368	-91085	-8695	-26813	SLE QP 2	-22.6	Si
1397	-74353	9029	-26705	SLE QP 2	-21.4	Si
1426	-57621	26753	-26596	SLE QP 2	-22.2	Si
1455	-40888	44477	-26487	SLE QP 2	-22.9	Si
1484	-24156	62201	-26378	SLE QP 2	-23.7	Si
1513	-7423	79925	-26270	SLE QP 2	-24.4	Si
1542	9309	97648	-26161	SLE QP 2	-26.5	Si
1571	26041	115372	-26052	SLE QP 2	-29.5	Si
1600	42485	132791	-25945	SLE QP 2	-32.5	Si
1620	-73281	-264847	-13910	SLE QP 2	-60.4	Si
1649	-50297	-206273	-13801	SLE QP 2	-45.3	Si
1678	-27312	-147699	-13692	SLE QP 2	-26.1	Si
1707	-4328	-89125	-13584	SLE QP 2	-18	Si
1736	18657	-30551	-13475	SLE QP 2	-12.4	Si
1765	41642	28023	-13366	SLE QP 2	-13.6	Si
1794	64626	86597	-13257	SLE QP 2	-21.6	Si
1823	87611	145171	-13149	SLE QP 2	-36.9	Si
1852	110595	203745	-13040	SLE QP 2	-52.7	Si
1881	133580	262319	-12931	SLE QP 2	-68.5	Si
1910	156168	319883	-12824	SLE QP 2	-73	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-140	-101756	-30400	-124925										No	Si
-111	-89854	-27198	-124794										No	Si
-81	-77745	-23940	-124662										No	Si
-52	-65637	-20682	-124530										No	Si
-22	-53528	-17425	-124397										No	Si
7	-41420	-14167	-124265										No	Si
36	-29311	-10909	-124133										No	Si
66	-17203	-7651	-124000										No	Si
95	-5094	-4394	-123868										No	Si
125	7015	-1136	-123736										No	Si
154	19123	2122	-123603										No	Si
184	31232	5380	-123471										No	Si
213	43457	8669	-123337										No	Si
242	55449	11895	-123206										No	Si
272	67557	15153	-123074										No	Si
301	79666	18411	-122941										No	Si
331	91774	21669	-122809										No	Si
360	103677	24871	-122679										No	Si
380	-84831	-3566	-99419										No	Si
409	-65121	-1947	-99289										No	Si
438	-45411	-328	-99158										No	Si
467	-25701	1290	-99028										No	Si
496	-5991	2909	-98897										No	Si
525	13719	4527	-98767										No	Si
554	33429	6146	-98636										No	Si
583	53139	7764	-98506										No	Si
612	72849	9383	-98375										No	Si
641	92559	11002	-98245										No	Si
670	112269	12620	-98114										No	Si
690	-78910	-12249	-74902										No	Si

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
719	-60804	-8939	-74774										No	Si
748	-42379	-5571	-74643										No	Si
777	-23955	-2203	-74513										No	Si
806	-5531	1166	-74382										No	Si
835	12893	4534	-74252										No	Si
864	31317	7902	-74121										No	Si
893	49742	11270	-73991										No	Si
922	68166	14638	-73860										No	Si
951	86590	18007	-73730										No	Si
980	105014	21375	-73599										No	Si
1000	-81843	1541	-50386										No	Si
1029	-61875	-607	-50279										No	Si
1058	-41557	-2793	-50171										No	Si
1087	-21239	-4979	-50062										No	Si
1116	-922	-7165	-49953										No	Si
1145	19396	-9351	-49844										No	Si
1174	39714	-11537	-49736										No	Si
1203	60032	-13723	-49627										No	Si
1232	80350	-15909	-49518										No	Si
1261	100668	-18095	-49409										No	Si
1290	120635	-20243	-49303										No	Si
1310	-122779	-43784	-25126										No	Si
1339	-105726	-26886	-25018										No	Si
1368	-88672	-9987	-24909										No	Si
1397	-71618	6911	-24800										No	Si
1426	-54564	23810	-24691										No	Si
1455	-37510	40708	-24583										No	Si
1484	-20456	57607	-24474										No	Si
1513	-3402	74505	-24365										No	Si
1542	13652	91404	-24256										No	Si
1571	34655	105784	-24130										No	Si
1600	52599	121670	-24023										No	Si
1620	-72914	-279474	-14676										No	Si
1649	-49446	-217404	-14568										No	Si
1678	-25977	-155333	-14459										No	Si
1707	-7055	-82918	-12434										No	Si
1736	15204	-29589	-12325										No	Si
1765	37463	23741	-12217										No	Si
1794	67895	92948	-14024										No	Si
1823	91363	155019	-13915										No	Si
1852	114832	217089	-13806										No	Si
1881	138300	279160	-13698	SLE FR 6	125229	252776	252776	1053.9	381.5	0.0211	31.2	0.0096	Si	Si
1910	161363	340160	-13591	SLE FR 6	123132	259566	259566	1113.2	379.5	0.0291	27.61	0.009	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-140	-101756	-30400	-124925										No	Si
-111	-89854	-27198	-124794										No	Si
-81	-77745	-23940	-124662										No	Si
-52	-65637	-20682	-124530										No	Si
-22	-53528	-17425	-124397										No	Si
7	-41420	-14167	-124265										No	Si
36	-29311	-10909	-124133										No	Si
66	-17203	-7651	-124000										No	Si
95	-5094	-4394	-123868										No	Si
125	7015	-1136	-123736										No	Si
154	19123	2122	-123603										No	Si
184	31232	5380	-123471										No	Si
213	43457	8669	-123337										No	Si
242	55449	11895	-123206										No	Si
272	67557	15153	-123074										No	Si
301	79666	18411	-122941										No	Si
331	91774	21669	-122809										No	Si
360	103677	24871	-122679										No	Si
380	-84831	-3566	-99419										No	Si
409	-65121	-1947	-99289										No	Si
438	-45411	-328	-99158										No	Si
467	-25701	1290	-99028										No	Si
496	-5991	2909	-98897										No	Si
525	13719	4527	-98767										No	Si
554	33429	6146	-98636										No	Si
583	53139	7764	-98506										No	Si
612	72849	9383	-98375										No	Si
641	92559	11002	-98245										No	Si
670	112269	12620	-98114										No	Si
690	-78910	-12249	-74902										No	Si
719	-60804	-8939	-74774										No	Si
748	-42379	-5571	-74643										No	Si
777	-23955	-2203	-74513										No	Si
806	-5531	1166	-74382										No	Si
835	12893	4534	-74252										No	Si
864	31317	7902	-74121										No	Si
893	49742	11270	-73991										No	Si
922	68166	14638	-73860										No	Si
951	86590	18007	-73730										No	Si
980	105014	21375	-73599										No	Si
1000	-81843	1541	-50386										No	Si
1029	-61875	-607	-50279										No	Si
1058	-41557	-2793	-50171										No	Si
1087	-21239	-4979	-50062										No	Si
1116	-922	-7165	-49953										No	Si
1145	19396	-9351	-49844										No	Si
1174	39714	-11537	-49736										No	Si
1203	60032	-13723	-49627										No	Si
1232	80350	-15909	-49518										No	Si
1261	100668	-18095	-49409										No	Si

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1290	120635	-20243	-49303										No	Si
1310	-122779	-43784	-25126										No	Si
1339	-105726	-26886	-25018										No	Si
1368	-88672	-9987	-24909										No	Si
1397	-71618	6911	-24800										No	Si
1426	-54564	23810	-24691										No	Si
1455	-37510	40708	-24583										No	Si
1484	-20456	57607	-24474										No	Si
1513	-3402	74505	-24365										No	Si
1542	13652	91404	-24256										No	Si
1571	30706	108303	-24148										No	Si
1600	47466	124910	-24041										No	Si
1620	-73281	-264847	-13910										No	Si
1649	-50297	-206273	-13801										No	Si
1678	-27312	-147699	-13692										No	Si
1707	-7055	-82918	-12434										No	Si
1736	15204	-29589	-12325										No	Si
1765	37463	23741	-12217										No	Si
1794	64626	86597	-13257										No	Si
1823	87611	145171	-13149										No	Si
1852	110595	203745	-13040										No	Si
1881	133580	262319	-12931	SLE QP 2	127825	251018	251018	994.5	383.7	0.021	31.35	0.0091	Si	Si
1910	156168	319883	-12824	SLE QP 2	125791	257660	257660	1053	382	0.0289	27.74	0.0085	Si	Si

Verifiche nodi trave colonna

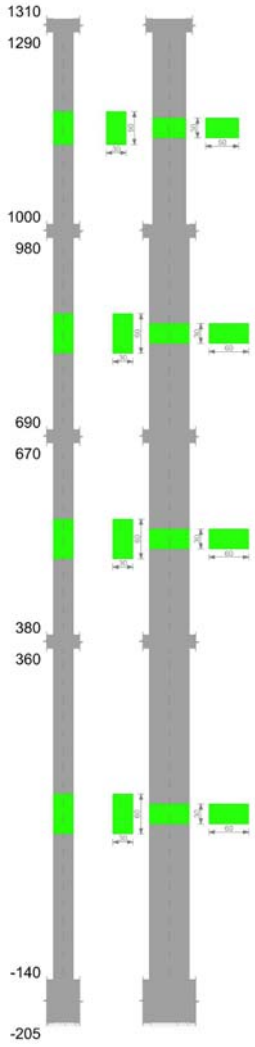
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.

Pilastro 49

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60_1	No	No	No	No		C30/37	B450C	
380	670	R 30x60_1	No	No	No	No		C30/37	B450C	
690	980	R 30x60_1	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.9	8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.9	8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.10	-9.67	-19.67	1.6	2.011	1310	1620		B450C
p.10	9.67	-19.67	1.6	2.011	1310	1620		B450C
p.10	9.67	19.67	1.6	2.011	1310	1620		B450C
p.10	-9.67	19.67	1.6	2.011	1310	1620		B450C
p.10	-9.9	-6.9	1.6	2.011	1310	1620		B450C
p.10	-9.9	6.9	1.6	2.011	1310	1620		B450C
p.10	9.9	-6.9	1.6	2.011	1310	1620		B450C
p.10	9.9	6.9	1.6	2.011	1310	1620		B450C
p.11	-9.67	-19.67	1.6	2.011	1620	1910		B450C
p.11	9.67	-19.67	1.6	2.011	1620	1910		B450C
p.11	9.67	19.67	1.6	2.011	1620	1910		B450C
p.11	-9.67	19.67	1.6	2.011	1620	1910		B450C
p.12	-9.9	-6.9	1.6	2.011	1620	1910		B450C
p.12	-9.9	6.9	1.6	2.011	1620	1910		B450C
p.12	9.9	-6.9	1.6	2.011	1620	1910		B450C
p.12	9.9	6.9	1.6	2.011	1620	1910		B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2	0	1,2	422290	422290	-155683	785458	785458	SLU 52	1.86	Si
-111	18.42	2	0	1,2	421831	421831	-155514	804436	804436	SLU 52	1.907	Si
-81	20.11	1.1	0	2	421364	-421364	-155342	818158	-818158	SLU 52	1.942	Si
-52	20.11	1.1	0	2	-420898	-420898	-155170	-818158	-818158	SLU 52	1.944	Si
-22	20.11	1.1	0	2	-420431	-420431	-154998	-818158	-818158	SLU 52	1.946	Si
7	20.11	1.1	0	2	-419964	-419964	-154825	-818158	-818158	SLU 52	1.948	Si
36	20.11	1.1	0	2	-419497	-419497	-154653	-818158	-818158	SLU 52	1.95	Si
66	20.11	1.1	0	2	-419031	-419031	-154481	-818158	-818158	SLU 52	1.953	Si
95	20.11	1.1	0	2	-418564	-418564	-154309	-818158	-818158	SLU 52	1.955	Si
125	20.11	1.1	0	2	-418097	-418097	-154137	-818158	-818158	SLU 52	1.957	Si
154	20.11	1.1	0	2	-417631	-417631	-153965	-818158	-818158	SLU 52	1.959	Si
184	20.11	1.1	0	2	-417164	-417164	-153793	-818158	-818158	SLU 52	1.961	Si
213	20.11	1.1	0	2	-416693	-416693	-153619	-818158	-818158	SLU 52	1.963	Si
242	20.11	1.1	0	2	-416230	-416230	-153449	-818158	-818158	SLU 52	1.966	Si
272	20.11	1.1	0	2	-415764	-415764	-153277	-818158	-818158	SLU 52	1.968	Si
301	20.11	1.1	0	2	-415297	-415297	-153105	-818158	-818158	SLU 52	1.97	Si
331	20.11	1.1	0	2	-414830	-414830	-152933	-818158	-818158	SLU 52	1.972	Si
360	20.11	1.1	0	2	-414372	-414372	-152764	-818158	-818158	SLU 52	1.974	Si
380	20.11	2.2	0	2,3	235610	235610	-117805	647491	647491	SLU 52	2.748	Si
409	20.11	2.2	0	2,3	235270	235270	-117635	647491	647491	SLU 52	2.752	Si
438	20.11	1.1	0	3	234931	234931	-117466	647491	647491	SLU 52	2.756	Si
467	20.11	1.1	0	3	234592	234592	-117296	647491	647491	SLU 52	2.76	Si
496	20.11	1.1	0	3	-234252	234252	-117126	-647491	647491	SLU 52	2.764	Si
525	20.11	1.1	0	3	-233913	233913	-116957	-647491	647491	SLU 52	2.768	Si
554	20.11	1.1	0	3	-233574	233574	-116787	-647491	647491	SLU 52	2.772	Si
583	20.11	1.1	0	3	-233235	-233235	-116617	-647491	-647491	SLU 52	2.776	Si
612	20.11	1.1	0	3	-232895	-232895	-116448	-647491	-647491	SLU 52	2.78	Si
641	20.11	1.1	0	3	-232556	-232556	-116278	-647491	-647491	SLU 52	2.784	Si
670	20.11	1.1	0	3	-232217	-232217	-116108	-647491	-647491	SLU 52	2.788	Si
690	20.11	2.2	0	3,4,6,7	165810	165810	-82905	647491	647491	SLU 52	3.905	Si
719	20.11	2.2	0	3,4,6,7	165477	165477	-82738	647491	647491	SLU 52	3.913	Si
748	20.11	1.1	0	4,6,7	165137	165137	-82569	647491	647491	SLU 52	3.921	Si
777	20.11	1.1	0	4,6,7	164798	164798	-82399	647491	647491	SLU 52	3.929	Si
806	20.11	1.1	0	4,6,7	164459	164459	-82229	647491	647491	SLU 52	3.937	Si
835	20.11	1.1	0	4,6,7	-164119	-164119	-82060	-647491	-647491	SLU 52	3.945	Si
864	20.11	1.1	0	4,6,7	-163780	-163780	-81890	-647491	-647491	SLU 52	3.953	Si
893	20.11	1.1	0	4,6,7	-163441	-163441	-81720	-647491	-647491	SLU 52	3.962	Si
922	20.11	1.1	0	4,6,7	-163101	-163101	-81551	-647491	-647491	SLU 52	3.97	Si
951	20.37	1.6	0	4,5,6,7	-162762	-162762	-81381	-649217	-649217	SLU 52	3.989	Si
980	27.42	2	0	4,5,6,7	-162429	-162429	-81214	-695580	-695580	SLU 52	4.282	Si
1000	20.11	2.4	0	5,6,7,8,9	125199	95645	-47823	713469	545052	SLU 51	5.699	Si
1029	17.8	2.4	0	5,6,7,8,9	95744	95744	-47872	541580	541580	SLU 52	5.657	Si
1058	16.08	1.1	0	8,9	95462	95462	-47731	530708	530708	SLU 52	5.559	Si
1087	16.08	1.1	0	8,9	95179	95179	-47589	530708	530708	SLU 52	5.576	Si
1116	16.08	1.1	0	8,9	-94896	94896	-47448	-530708	530708	SLU 52	5.593	Si
1145	16.08	1.1	0	8,9	-94613	94613	-47307	-530708	530708	SLU 52	5.609	Si
1174	16.08	1.1	0	8,9	-94331	94331	-47165	-530708	530708	SLU 52	5.626	Si
1203	16.08	1.1	0	8,9	-113535	94048	-47024	-632543	523973	SLU 52	5.571	Si
1232	16.08	1.1	0	8,9	-152032	93383	-46692	-826878	507897	SLU 51	5.439	Si
1261	16.08	1.1	0	8,9	-186685	93100	-46550	-985751	491596	SLU 51	5.28	Si
1290	22.11	2.1	0	8,9	-220742	92822	-46411	-1207736	507856	SLU 51	5.471	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	16.08	2	0	1,2	-1428279	174478	-96930	-2.02	1.92	-2323618	283852	SLV 1	1.627				Si
-111	18.42	2	0	1,2	-1317742	158377	-96800	-2.02	1.92	-2332766	280370	SLV 1	1.77				Si
-81	20.11	1.1	0	2	-1205305	141999	-96668	-2.02	1.92	-2313127	272513	SLV 1	1.919				Si
-52	20.11	1.1	0	2	-1092884	125624	-96535	-2.02	1.92	-2245614	258126	SLV 1	2.055				Si
-22	20.11	1.1	0	2	-980484	109252	-96403	-2.02	1.92	-2155143	240140	SLV 1	2.198				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
7	20.11	1.1	0	2	-868113	92885	-96271	-2.02	1.92	-2039061	218171	SLV 1	2.349				Si
36	20.11	1.1	0	2	-755785	76525	-96138	-2.02	1.92	-1894350	191808	SLV 1	2.506				Si
66	20.11	1.1	0	2	-643529	60179	-96006	-2.02	1.92	-1720123	160855	SLV 1	2.673				Si
95	20.11	1.1	0	2	-531386	43855	-95873	-2.02	1.92	-1518951	125360	SLV 1	2.858				Si
125	20.11	1.1	0	2	-419458	27582	-95741	-2.02	1.92	-1288094	84699	SLV 1	3.071				Si
154	20.11	1.1	0	2	11606	-29720	-101365	-2.02	1.92	37700	-96541	SLV 7	3.248				Si
184	20.11	1.1	0	2	-10332	-21025	-101233	-2.02	1.92	-33605	-68387	SLV 7	3.253				Si
213	20.11	1.1	0	2	-39904	-4726	-101099	-2.02	1.92	-129963	-15391	SLV 7	3.257				Si
242	20.11	1.1	0	2	-65665	1461	-100968	-2.02	1.92	-214140	4763	SLV 7	3.261				Si
272	20.11	1.1	0	2	-81715	9264	-100836	-2.02	1.92	-266834	30249	SLV 7	3.265				Si
301	20.11	1.1	0	2	261347	-71464	-94947	-2.02	1.92	850395	-232536	SLV 1	3.254				Si
331	20.11	1.1	0	2	372976	-87782	-94815	-2.02	1.92	1127579	-265383	SLV 1	3.023				Si
360	20.11	1.1	0	2	483070	-103848	-94685	-2.02	1.92	1364825	-293403	SLV 1	2.825				Si
380	20.11	2.2	0	2,3	-296887	179599	-72626	-2.02	1.92	-1027473	621560	SLV 1	3.461				Si
409	20.11	2.2	0	2,3	-236546	147573	-72495	-2.02	1.92	-879843	548903	SLV 1	3.72				Si
438	20.11	1.1	0	3	-177794	115593	-72365	-2.02	1.92	-713589	463941	SLV 1	4.014				Si
467	20.11	1.1	0	3	49013	-13660	-76827	-2.02	1.92	210064	-58543	SLV 7	4.286				Si
496	20.11	1.1	0	3	25012	-3906	-76696	-2.02	1.92	107380	-16770	SLV 7	4.293				Si
525	20.11	1.1	0	3	-32608	5853	-76566	-2.02	1.92	-140232	25172	SLV 7	4.3				Si
554	20.11	1.1	0	3	-45580	15874	-76435	-2.02	1.92	-196350	68384	SLV 7	4.308				Si
583	20.11	1.1	0	3	-71884	17360	-76305	-2.02	1.92	-310196	74914	SLV 7	4.315				Si
612	20.11	1.1	0	3	222502	-78123	-71582	-2.02	1.92	915509	-321445	SLV 1	4.115				Si
641	20.11	1.1	0	3	282616	-110067	-71451	-2.02	1.92	1077733	-419732	SLV 1	3.813				Si
670	20.11	1.1	0	3	343608	-142077	-71321	-2.02	1.92	1219928	-504424	SLV 1	3.55				Si
690	20.11	2.2	0	3,4,6,7	-417296	141823	-50442	-2.02	1.92	-1693441	575535	SLV 1	4.058				Si
719	20.11	2.2	0	3,4,6,7	-338804	113143	-50313	-2.02	1.92	-1540005	514282	SLV 1	4.545				Si
748	20.11	1.1	0	4,6,7	-259754	84059	-50183	-2.02	1.92	-1322102	427844	SLV 1	5.09				Si
777	20.11	1.1	0	4,6,7	-182716	55222	-50052	-2.02	1.92	-1045871	316094	SLV 1	5.724				Si
806	20.11	1.1	0	4,6,7	31235	-10209	-53292	-2.02	1.92	192991	-63077	SLV 7	6.179				Si
835	20.11	1.1	0	4,6,7	33078	-12229	-53162	-2.02	1.92	204873	-75743	SLV 7	6.194				Si
864	20.11	1.1	0	4,6,7	-42356	-547	-53031	-2.02	1.92	-262990	-3395	SLV 7	6.209				Si
893	20.11	1.1	0	4,6,7	166135	-65012	-49530	-2.02	1.92	957812	-374812	SLV 1	5.765				Si
922	20.11	1.1	0	4,6,7	243370	-93874	-49400	-2.02	1.92	1250443	-482329	SLV 1	5.138				Si
951	20.37	1.6	0	4,5,6,7	322493	-122968	-49269	-2.02	1.92	1484712	-566127	SLV 1	4.604				Si
980	27.42	2	0	4,5,6,7	401018	-151652	-49141	-2.02	1.92	1772928	-670463	SLV 1	4.421				Si
1000	20.11	2.4	0	5,6,7,8,9	428512	-70469	-27106	-2.02	1.92	1719161	-282715	SLV 15	4.012				Si
1029	17.8	2.4	0	5,6,7,8,9	320191	-48470	-26998	-2.02	1.92	1658115	-251005	SLV 15	5.179				Si
1058	16.08	1.1	0	8,9	-156230	76535	-28082	-2.02	1.92	-1017421	498418	SLV 1	6.512				Si
1087	16.08	1.1	0	8,9	-87142	54055	-27973	-2.02	1.92	-686800	426026	SLV 1	7.881				Si
1116	16.08	1.1	0	8,9	8500	21752	-30030	-2.02	1.92	76921	196850	SLV 7	9.05				Si
1145	16.08	1.1	0	8,9	-82789	45093	-29137	-2.02	1.92	-656325	357478	SLV 11	7.928				Si
1174	16.08	1.1	0	8,9	-230084	62761	-26454	-2.02	1.92	-1380909	376675	SLV 15	6.002				Si
1203	16.08	1.1	0	8,9	-337825	84612	-26345	-2.02	1.92	-1519905	380677	SLV 15	4.499				Si
1232	16.08	1.1	0	8,9	-446147	106582	-26236	-2.02	1.92	-1534738	366639	SLV 15	3.44				Si
1261	16.08	1.1	0	8,9	-554701	128594	-26128	-2.02	1.92	-1519835	352336	SLV 15	2.74				Si
1290	22.11	2.1	0	8,9	-661497	150246	-26021	-2.02	1.92	-1666818	378585	SLV 15	2.52				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2	0	1,2	-594165	70946	-95625	-1567733	187195	SLD 1	2.639	Si
-111	18.42	2	0	1,2	-549831	63595	-95495	-1519332	175731	SLD 1	2.763	Si
-81	20.11	1.1	0	2	-504736	56118	-95363	-1455224	161795	SLD 1	2.883	Si
-52	20.11	1.1	0	2	-459651	48642	-95230	-1365403	144491	SLD 1	2.971	Si
-22	20.11	1.1	0	2	-414579	41168	-95098	-1269966	126107	SLD 1	3.063	Si
7	20.11	1.1	0	2	-369523	33696	-94966	-1168418	106546	SLD 1	3.162	Si
36	20.11	1.1	0	2	-324494	26229	-94833	-1060137	85691	SLD 1	3.267	Si
66	20.11	1.1	0	2	-279508	18769	-94701	-944477	63423	SLD 1	3.379	Si
95	20.11	1.1	0	2	-4373	-24604	-96811	-14873	-83682	SLD 7	3.401	Si
125	20.11	1.1	0	2	-12503	-21997	-96678	-42583	-74917	SLD 7	3.406	Si
154	20.11	1.1	0	2	-20559	-19527	-96546	-70116	-66597	SLD 7	3.411	Si
184	20.11	1.1	0	2	-28309	-17269	-96414	-96681	-58978	SLD 7	3.415	Si
213	20.11	1.1	0	2	-39714	-11193	-96280	-135820	-38278	SLD 7	3.42	Si
242	20.11	1.1	0	2	-49320	-9981	-96149	-168901	-34181	SLD 7	3.425	Si
272	20.11	1.1	0	2	-54256	-7997	-96017	-186060	-27424	SLD 7	3.429	Si
301	20.11	1.1	0	2	-62291	-5381	-95884	-213909	-18480	SLD 7	3.434	Si
331	20.11	1.1	0	2	-70414	-2731	-95752	-242140	-9393	SLD 7	3.439	Si
360	20.11	1.1	0	2	-78429	-113	-95622	-270068	-389	SLD 7	3.443	Si
380	20.11	2.2	0	2,3	-77895	119667	-71630	-333565	512442	SLD 1	4.282	Si
409	20.11	2.2	0	2,3	-63424	99068	-71500	-282763	441674	SLD 1	4.458	Si
438	20.11	1.1	0	3	51694	33522	-73156	232674	150880	SLD 7	4.501	Si
467	20.11	1.1	0	3	32908	19774	-73025	148381	89162	SLD 7	4.509	Si
496	20.11	1.1	0	3	15397	15300	-72895	69550	69111	SLD 7	4.517	Si
525	20.11	1.1	0	3	-19267	10899	-72764	-87188	49320	SLD 7	4.525	Si
554	20.11	1.1	0	3	-31767	7672	-72634	-144010	34779	SLD 7	4.533	Si
583	20.11	1.1	0	3	-50433	-83	-72503	-229039	-375	SLD 7	4.541	Si
612	20.11	1.1	0	3	-69623	-7260	-72373	-316759	-33030	SLD 7	4.55	Si
641	20.11	1.1	0	3	-89026	-14307	-72242	-405766	-65211	SLD 7	4.558	Si
670	20.11	1.1	0	3	-244799	-16204	-68989	-1095139	-72490	SLD 15	4.474	Si
690	20.11	2.2	0	3,4,6,7	-138897	87942	-49786	-786141	497744	SLD 1	5.66	Si
719	20.11	2.2	0	3,4,6,7	-114854	69846	-49658	-688298	418572	SLD 1	5.993	Si
748	20.11	1.1	0	4,6,7	-90847	51487	-49527	-578750	328003	SLD 1	6.371	Si
777	20.11	1.1	0	4,6,7	30684	6479	-50705	199255	42072	SLD 7	6.494	Si
806	20.11	1.1	0	4,6,7	12595	-74	-50575	82000	-481	SLD 7	6.511	Si
835	20.11	1.1	0	4,6,7	9342	-8047	-50444	60977	-52523	SLD 7	6.527	Si
864	20.11	1.1	0	4,6,7	-30415	-9510	-50314	-199049	-62235	SLD 7	6.544	Si
893	20.11	1.1	0	4,6,7	-47485	-16222	-50183	-311565	-106438	SLD 7	6.561	Si
922	20.11	1.1	0	4,6,7	69690	-60589	-48744	450966	-392073	SLD 1	6.471	Si
951	20.37	1.6	0	4,5,6,7	93714	-78953	-48614	573640	-483283	SLD 1	6.121	Si
980	27.42	2	0	4,5,6,7	117764	-97051	-48485	729804	-601442	SLD 1	6.197	Si
1000	20.11	2.4	0	5,6,7,8,9	208837	-12460	-27444	1513861	-90319	SLD 15	7.249	Si
1029	17.8	2.4	0	5,6,7,8,9	155338	-4018	-27335	1255909	-32487	SLD 15	8.085	Si
1058	16.08	1.1	0	8,9	-45920	45607	-27744	-404459	401702	SLD 1	8.808	Si
1087	16.08	1.1	0	8,9	-30185	36541	-27635	-284217	344062	SLD 1	9.416	Si
1116	16.08	1.1	0	8,9	-972	23177	-28366	-9310	222053	SLD 7	9.581	Si
1145	16.08	1.1	0	8,9	-48418	32174	-27934	-441979	293693	SLD 11	9.128	Si
1174	16.08	1.1	0	8,9	-116866	38821	-26791	-935379	310719	SLD 15	8.004	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1203	16.08	1.1	0	8,9	-170030	47185	-26683	-1200851	333248	SLD 15	7.063	Si
1232	16.08	1.1	0	8,9	-223519	55611	-26574	-1385432	344691	SLD 15	6.198	Si
1261	16.08	1.1	0	8,9	-277136	64059	-26465	-1498740	346426	SLD 15	5.408	Si
1290	22.11	2.1	0	8,9	-329892	72371	-26358	-1663235	364876	SLD 15	5.042	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-150	-141094	SLU 23	15366	51797	52691	2.35	346.38	-509	-132622	SLU 19	15029	48390	55356	2.5	95.08	Si
-111	5X/2Y Ø8/10	-150	-140964	SLU 23	15366	51797	52691	2.35	346.38	-509	-132492	SLU 19	15029	48390	55356	2.5	95.08	Si
-81	5X/2Y Ø8/10	-150	-140831	SLU 23	15366	51797	52691	2.35	346.38	-509	-132360	SLU 19	15029	48390	55356	2.5	95.08	Si
-52	5X/2Y Ø8/10	-150	-140699	SLU 23	15366	51797	52691	2.35	346.38	-509	-132227	SLU 19	15029	48390	55356	2.5	95.08	Si
-22	5X/2Y Ø8/14.7	-150	-140567	SLU 23	15366	37388	50429	2.5	250.02	-509	-132095	SLU 19	15029	32833	55356	2.5	64.51	Si
7	5X/2Y Ø8/14.7	-150	-140434	SLU 23	15366	37388	50429	2.5	250.02	-509	-131963	SLU 19	15029	32833	55356	2.5	64.51	Si
36	5X/2Y Ø8/14.7	-150	-140302	SLU 23	15366	37388	50429	2.5	250.02	-509	-131830	SLU 19	15029	32833	55356	2.5	64.51	Si
66	5X/2Y Ø8/14.7	-150	-140170	SLU 23	15366	37388	50429	2.5	250.02	-509	-131698	SLU 19	15029	32833	55356	2.5	64.51	Si
95	5X/2Y Ø8/14.7	-150	-140037	SLU 23	15366	37388	50429	2.5	250.02	-509	-131566	SLU 19	15029	32833	55356	2.5	64.51	Si
125	5X/2Y Ø8/14.7	-150	-139905	SLU 23	15366	37388	50429	2.5	250.02	-509	-131433	SLU 19	15029	32833	55356	2.5	64.51	Si
154	5X/2Y Ø8/14.7	-150	-139773	SLU 23	15366	37388	50429	2.5	250.02	-509	-131301	SLU 19	15029	32833	55356	2.5	64.51	Si
184	5X/2Y Ø8/14.7	-150	-139640	SLU 23	15366	37388	50429	2.5	250.02	-509	-131169	SLU 19	15029	32833	55356	2.5	64.51	Si
213	5X/2Y Ø8/14.7	-150	-139507	SLU 23	15366	37388	50429	2.5	250.02	-509	-131035	SLU 19	15029	32833	55356	2.5	64.51	Si
242	5X/2Y Ø8/10	-150	-139375	SLU 23	15366	51792	52691	2.35	346.35	-509	-130904	SLU 19	15029	48385	55356	2.5	95.07	Si
272	5X/2Y Ø8/10	-150	-139243	SLU 23	15366	51792	52691	2.35	346.35	-509	-130772	SLU 19	15029	48385	55356	2.5	95.07	Si
301	5X/2Y Ø8/10	-150	-139111	SLU 23	15366	51792	52691	2.35	346.35	-509	-130639	SLU 19	15029	48385	55356	2.5	95.07	Si
331	5X/2Y Ø8/10	-150	-138978	SLU 23	15366	51792	52691	2.35	346.35	-509	-130507	SLU 19	15029	48385	55356	2.5	95.07	Si
360	5X/2Y Ø8/10	-150	-138848	SLU 23	15366	51792	52691	2.35	346.35	-509	-130377	SLU 19	15029	48385	55356	2.5	95.07	Si
380	5X/2Y Ø8/10	-865	-106572	SLU 23	15366	51792	52691	2.35	59.9	-953	-116657	SLU 49	15029	48385	55356	2.5	50.76	Si
409	5X/2Y Ø8/10	-865	-106442	SLU 23	15366	51792	52691	2.35	59.9	-953	-116488	SLU 49	15029	48385	55356	2.5	50.76	Si
438	5X/2Y Ø8/10	-865	-106311	SLU 23	15366	51792	52691	2.35	59.9	-953	-116318	SLU 49	15029	48385	55356	2.5	50.76	Si
467	5X/2Y Ø8/14.4	-865	-106181	SLU 23	15366	38145	50429	2.5	44.12	-953	-116148	SLU 49	15029	33497	55356	2.5	35.14	Si
496	5X/2Y Ø8/14.4	-865	-106050	SLU 23	15366	38145	50429	2.5	44.12	-953	-115979	SLU 49	15029	33497	55356	2.5	35.14	Si
525	5X/2Y Ø8/14.4	-865	-105920	SLU 23	15366	38145	50429	2.5	44.12	-953	-115809	SLU 49	15029	33497	55356	2.5	35.14	Si
554	5X/2Y Ø8/14.4	-865	-105789	SLU 23	15366	38145	50429	2.5	44.12	-953	-115639	SLU 49	15029	33497	55356	2.5	35.14	Si
583	5X/2Y Ø8/14.4	-865	-105659	SLU 23	15366	38145	50429	2.5	44.12	-953	-115470	SLU 49	15029	33497	55356	2.5	35.14	Si
612	5X/2Y Ø8/10	-865	-105528	SLU 23	15366	51792	52691	2.35	59.9	-953	-115300	SLU 49	15029	48385	55356	2.5	50.76	Si
641	5X/2Y Ø8/10	-865	-105398	SLU 23	15366	51792	52691	2.35	59.9	-953	-115130	SLU 49	15029	48385	55356	2.5	50.76	Si
670	5X/2Y Ø8/10	-865	-105267	SLU 23	15366	51792	52691	2.35	59.9	-953	-114961	SLU 49	15029	48385	55356	2.5	50.76	Si
690	5X/2Y Ø8/10	-754	-75563	SLU 25	15366	51792	52321	2.35	68.73	-774	-81872	SLU 49	15029	48385	55356	2.5	62.51	Si
719	5X/2Y Ø8/10	-754	-75434	SLU 25	15366	51792	52304	2.35	68.73	-774	-81705	SLU 49	15029	48385	55356	2.5	62.51	Si
748	5X/2Y Ø8/10	-754	-75304	SLU 25	15366	51792	52286	2.35	68.73	-774	-81536	SLU 49	15029	48385	55356	2.5	62.51	Si
777	5X/2Y Ø8/14.4	-754	-75173	SLU 25	15366	38145	50025	2.5	50.62	-774	-81366	SLU 49	15029	33497	55356	2.5	43.27	Si
806	5X/2Y Ø8/14.4	-754	-75043	SLU 25	15366	38145	50008	2.5	50.62	-774	-81196	SLU 49	15029	33497	55356	2.5	43.27	Si
835	5X/2Y Ø8/14.4	-754	-74912	SLU 25	15366	38145	49992	2.5	50.62	-774	-81027	SLU 49	15029	33497	55356	2.5	43.27	Si
864	5X/2Y Ø8/14.4	-754	-74782	SLU 25	15366	38145	49975	2.5	50.62	-774	-80857	SLU 49	15029	33497	55356	2.5	43.27	Si
893	5X/2Y Ø8/14.4	-754	-74651	SLU 25	15366	38145	49958	2.5	50.62	-774	-80687	SLU 49	15029	33497	55356	2.5	43.27	Si
922	5X/2Y Ø8/10	-754	-74521	SLU 25	15366	51792	52181	2.35	68.73	-774	-80518	SLU 49	15029	48385	55356	2.5	62.51	Si
951	5X/2Y Ø8/10	-754	-74390	SLU 25	15366	51792	52163	2.35	68.73	-774	-80348	SLU 49	15029	48385	55356	2.5	62.51	Si
980	5X/2Y Ø8/10	-754	-74262	SLU 25	15366	51792	52146	2.35	68.73	-774	-80181	SLU 49	15029	48385	55356	2.5	62.51	Si
1000	4X/2Y Ø8/10	289	-28453	SLU 31	9848	39671	40128	2.25	137.05	-1202	-47123	SLU 49	11919	39534	42716	2.5	32.9	Si
1029	4X/2Y Ø8/10	289	-28312	SLU 31	9830	39671	40109	2.25	137.05	-1202	-46981	SLU 49	11900	39534	42696	2.5	32.9	Si
1058	4X/2Y Ø8/10	289	-28170	SLU 31	9813	39671	40089	2.25	137.05	-1202	-46840	SLU 49	11881	39534	42677	2.5	32.9	Si
1087	4X/2Y Ø8/14.4	289	-28029	SLU 31	9795	30516	37229	2.5	105.42	-1202	-46698	SLU 49	11862	27370	42657	2.5	22.78	Si
1116	4X/2Y Ø8/14.4	289	-27888	SLU 31	9777	30516	37211	2.5	105.42	-1202	-46557	SLU 49	11843	27370	42638	2.5	22.78	Si
1145	4X/2Y Ø8/14.4	289	-27746	SLU 31	9760	30516	37193	2.5	105.42	-1202	-46416	SLU 49	11824	27370	42618	2.5	22.78	Si
1174	4X/2Y Ø8/14.4	289	-27605	SLU 31	9742	30516	37175	2.5	105.42	-1202	-46274	SLU 49	11805	27370	42598	2.5	22.78	Si
1203	4X/2Y Ø8/14.4	289	-27464	SLU 31	9725	30516	37157	2.5	105.42	-1202	-46133	SLU 49	11786	27370	42579	2.5	22.78	Si
1232	4X/2Y Ø8/10	289	-27322	SLU 31	9707	39671	39972	2.25	137.05	-1202	-45992	SLU 49	11767	39534	42559	2.5	32.9	Si
1261	4X/2Y Ø8/10	289	-27181	SLU 31	9689	39671	39952	2.25	137.05	-1202	-45850	SLU 49	11748	39534	42540	2.5	32.9	Si
1290	4X/2Y Ø8/10	289	-27042	SLU 31	9672	39671	39933	2.25	137.05	-1202	-45711	SLU 49	11730	39534	42520	2.5	32.9	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-648	-89357	SLV 5	15366	51797	52691	2.35	79.88	3825	-96930	SLV 1	15029	48390	55356	2.5	12.65	Si
-111	5X/2Y Ø8/10	-648	-89227	SLV 5	15366	51797	52691	2.35	79.88	3825	-96800	SLV 1	15029	48390	55356	2.5	12.65	Si
-81	5X/2Y Ø8/10	-648	-89094	SLV 5	15366	51797	52691	2.35	79.88	3825	-96668	SLV 1	15029	48390	55356	2.5	12.65	Si
-52	5X/2Y Ø8/10	-648	-88962	SLV 5	15366	51797	52691	2.35	79.88	3825	-96535	SLV 1	15029	48390	55356	2.5	12.65	Si
-22	5X/2Y Ø8/14.7	-648	-88830	SLV 5	15366	37388	50429	2.5	57.66	3825	-96403	SLV 1	15029	32833	55356	2.5	8.58	Si
7	5X/2Y Ø8/14.7	-648	-88697	SLV 5	15366	37388	50429	2.5	57.66	3825	-96271	SLV 1	15029	32833	55356	2.5	8.58	Si
36	5X/2Y Ø8/14.7	-648	-88565	SLV 5	15366	37388	50429	2.5	57.66	3825	-96138	SLV 1	15029	32833	55356	2.5	8.58	Si
66	5X/2Y Ø8/14.7	-648	-88433	SLV 5	15366	37388	50429	2.5	57.66	3825	-96006	SLV 1	15029	32833	55356	2.5	8.58	Si
95	5X/2Y Ø8/14.7	-648	-88300	SLV 5	15366	37388	50429	2.5	57.66	3825	-95873	SLV 1	15029	32833	55356	2.5	8.58	Si
125	5X/2Y Ø8/14.7	-648	-88168	SLV 5	15366	37388	50429	2.5	57.66	3825	-95741	SLV 1	15029	32833	55356	2.5	8.58	Si
154	5X/2Y Ø8/14.7	-648	-88036	SLV 5	15366	37388	50429	2.5	57.66	3825	-95609	SLV 1	15029	32833	55356	2.5	8.58	Si
184	5X/2Y Ø8/14.7	-648	-87903	SLV 5	15366	37388	50429	2.5	57.66	3825	-95476	SLV 1	15029	32833	55356	2.5	8.58	Si
213	5X/2Y Ø8/14.7	-648	-87770	SLV 5	15366	37388	50429	2.5	57.66	3825	-95343	SLV 1	15029	32833	55356	2.5	8.58	Si
242	5X/2Y Ø8/10	-648	-87638	SLV 5	15366	51792	52691	2.35	79.87	3825	-95212	SLV 1	15029	48385	55356	2.5	12.65	Si
272	5X/2Y Ø8/10	-648	-87506	SLV 5	15366	51792	52691	2.35	79.87	3825	-95079	SLV 1	15029	48385	55356	2.5	12.65	Si
301	5X/2Y Ø8/10	-648	-87374	SLV 5	15366	51792	52691	2.35	79.87	3825	-94947	SLV 1	15029	48385	55356	2.5	12.65	Si
331	5X/2Y Ø8/10	-648	-87241	SLV 5	15366	51792	52691	2.35	79.87	3825	-94815	SLV 1	15029	48385	55356	2.5	12.65	Si
360	5X/2Y Ø8/10	-648	-87111	SLV 5	15366	51792	52691	2.35	79.87	3825	-94685	SLV 1	15029	48385	55356	2.5	12.65	Si
380	5X/2Y Ø8/10	-1285	-66655	SLV 5	15366	50690	51884	2.3	39.46	-3135	-69298	SLV 15	15029	48385	54082	2.5	15.43	Si
409	5X/2Y Ø8/10	-1285	-66524	SLV 5	15366	50690	51866	2.3	39.46	-3135	-69168	SLV 15	15029	48385	54064	2.5	15.43	Si
438	5X/2Y Ø8/10	-1285	-66394	SLV 5	15366	50690	51848	2.3	39.46	-3135	-69037	SLV 15	15029	48385	54045	2.5	15.43	Si
467	5X/2Y Ø8/14.4	-1285	-66263	SLV 5	15366	38145	48878	2.5	29.69	-3135	-68907	SLV 15	15029	33497	54027	2.5	10.68	Si
496	5X/2Y Ø8/14.4	-1285	-66133	SLV 5	15366	38145	48861	2.5	29.69	-3135	-68776	SLV 15	15029	33497	54008	2.5	10.68	Si
525	5X/2Y Ø8/14.4	-1285	-66002	SLV 5	15366	38145	48844	2.5	29.69	-3135	-68646	SLV 15	15029	33497	53990	2.5	10.68	Si
554	5X/2Y Ø8/14.4	-1285	-65872	SLV 5	15366	38145	48827	2.5	29.69	-3135	-68515	SLV 15	15029	33497	53972	2.5	10.68	Si
583	5X/2Y Ø8/14.4	-1285	-65741	SLV 5	15366	38145	48810	2.5	29.69	-3135	-68385	SLV 15	15029	33497	53953	2.5	10.68	Si
612	5X/2Y Ø8/10	-1285	-65611	SLV 5	15366	50690	51741	2.3	39.46	-3135	-68254	SLV 15	15029	48385	53935	2.5	15.43	Si
641	5X/2Y Ø8/10	-1285	-65480	SLV 5	15366	50690	51724	2.3	39.46	-3135	-68124	SLV 15	15029	48385	53916	2.5	15.43	Si
670	5X/2Y Ø8/10	-1285	-65350	SLV 5	15366	50690	51706	2.3	39.46	-3135	-67993	SLV 15	15029	48385	53898	2.5	15.43	Si
690	5X/2Y Ø8/10	-1142	-46189	SLV 5	13317	49588	49824	2.25	43.41	-3535	-48202	SLV 15	13054	48385	51100	2.5	13.69	Si
719	5X/2Y Ø8/10	-1142	-46061	SLV 5	13301	49588	49806	2.25	43.41	-3535	-48073	SLV 15	13037	48385	51082	2.5	13.69	Si
748	5X/2Y Ø8/10	-1142	-45930	SLV 5	13285	49588	49788	2.25	43.41	-3535	-47943	SLV 15	13019	48385	51063	2.5	13.69	Si
777	5X/2Y Ø8/14.4	-1142	-45800	SLV 5	13269	38145	46242	2.5	33.39	-3535	-47812	SLV 15	13001	33497	51045	2.5	9.48	Si
806	5X/2Y Ø8/14.4	-1142	-45669	SLV 5	13252	38145	46225	2.5	33.39	-3535	-47682	SLV 15	12983	33497	51026	2.5	9.48	Si
835	5X/2Y Ø8/14.4	-1142	-45539	SLV 5	13236	38145	46209	2.5	33.39	-3535	-47551	SLV 15	12966	33497	51008	2.5	9.48	Si
864	5X/2Y Ø8/14.4	-1142	-45408	SLV 5	13220	38145	46192	2.5	33.39	-3535	-47421	SLV 15	12948	33497	50989	2.5	9.48	Si
893	5X/2Y Ø8/14.4	-1142	-45278	SLV 5	13204	38145	46175	2.5	33.39	-3535	-47290	SLV 15	12930	33497	50971	2.5	9.48	Si

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
922	5X/2Y Ø8/10	-1142	-45147	SLV 5	13187	49588	49679	2.25	43.41	-3535	-47160	SLV 15	12912	48385	50952	2.5	13.69	Si
951	5X/2Y Ø8/10	-1142	-45017	SLV 5	13171	49588	49661	2.25	43.41	-3535	-47029	SLV 15	12894	48385	50934	2.5	13.69	Si
980	5X/2Y Ø8/10	-1142	-44889	SLV 5	13155	49588	49644	2.25	43.41	-3535	-46901	SLV 15	12877	48385	50916	2.5	13.69	Si
1000	4X/2Y Ø8/10	-953	-25725	SLV 5	9508	39671	39750	2.25	41.62	-3755	-27106	SLV 15	9237	39534	39941	2.5	10.53	Si
1029	4X/2Y Ø8/10	-953	-25616	SLV 5	9495	39671	39735	2.25	41.62	-3755	-26998	SLV 15	9222	39534	39926	2.5	10.53	Si
1058	4X/2Y Ø8/10	-953	-25507	SLV 5	9481	39671	39720	2.25	41.62	-3755	-26889	SLV 15	9208	39534	39911	2.5	10.53	Si
1087	4X/2Y Ø8/14.4	-953	-25398	SLV 5	9467	30516	36891	2.5	32.01	-3755	-26780	SLV 15	9193	27370	39896	2.5	7.29	Si
1116	4X/2Y Ø8/14.4	-953	-25290	SLV 5	9454	30516	36877	2.5	32.01	-3755	-26671	SLV 15	9179	27370	39881	2.5	7.29	Si
1145	4X/2Y Ø8/14.4	-953	-25181	SLV 5	9440	30516	36863	2.5	32.01	-3755	-26563	SLV 15	9164	27370	39866	2.5	7.29	Si
1174	4X/2Y Ø8/14.4	-953	-25072	SLV 5	9427	30516	36849	2.5	32.01	-3755	-26454	SLV 15	9149	27370	39851	2.5	7.29	Si
1203	4X/2Y Ø8/14.4	-953	-24963	SLV 5	9413	30516	36835	2.5	32.01	-3755	-26345	SLV 15	9135	27370	39836	2.5	7.29	Si
1232	4X/2Y Ø8/10	-953	-24855	SLV 5	9400	38789	40225	2.2	40.69	-3755	-26236	SLV 15	9120	39534	39821	2.5	10.53	Si
1261	4X/2Y Ø8/10	-953	-24746	SLV 5	9386	38789	40210	2.2	40.69	-3755	-26128	SLV 15	9106	39534	39806	2.5	10.53	Si
1290	4X/2Y Ø8/10	-953	-24639	SLV 5	9373	38789	40195	2.2	40.69	-3755	-26021	SLV 15	9091	39534	39791	2.5	10.53	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-291	-92662	SLD 5	19103	55104	50429	2.5	173.3	1535	-95625	SLD 1	19310	48390	55356	2.5	31.53	Si
-111	5X/2Y Ø8/10	-291	-92532	SLD 5	19087	55104	50429	2.5	173.3	1535	-95495	SLD 1	19310	48390	55356	2.5	31.53	Si
-81	5X/2Y Ø8/10	-291	-92400	SLD 5	19070	55104	50429	2.5	173.3	1535	-95363	SLD 1	19310	48390	55356	2.5	31.53	Si
-52	5X/2Y Ø8/10	-291	-92267	SLD 5	19054	55104	50429	2.5	173.3	1535	-95230	SLD 1	19310	48390	55356	2.5	31.53	Si
-22	5X/2Y Ø8/14.7	-291	-92135	SLD 5	19037	37388	50429	2.5	128.48	1535	-95098	SLD 1	19310	32833	55356	2.5	21.39	Si
7	5X/2Y Ø8/14.7	-291	-92003	SLD 5	19021	37388	50429	2.5	128.48	1535	-94966	SLD 1	19310	32833	55356	2.5	21.39	Si
36	5X/2Y Ø8/14.7	-291	-91870	SLD 5	19004	37388	50429	2.5	128.48	1535	-94833	SLD 1	19310	32833	55356	2.5	21.39	Si
66	5X/2Y Ø8/14.7	-291	-91738	SLD 5	18988	37388	50429	2.5	128.48	1535	-94701	SLD 1	19310	32833	55356	2.5	21.39	Si
95	5X/2Y Ø8/14.7	-291	-91606	SLD 5	18971	37388	50429	2.5	128.48	1535	-94569	SLD 1	19310	32833	55356	2.5	21.39	Si
125	5X/2Y Ø8/14.7	-291	-91473	SLD 5	18955	37388	50429	2.5	128.48	1535	-94436	SLD 1	19310	32833	55356	2.5	21.39	Si
154	5X/2Y Ø8/14.7	-291	-91341	SLD 5	18938	37388	50429	2.5	128.48	1535	-94304	SLD 1	19310	32833	55356	2.5	21.39	Si
184	5X/2Y Ø8/14.7	-291	-91209	SLD 5	18922	37388	50429	2.5	128.48	1535	-94172	SLD 1	19310	32833	55356	2.5	21.39	Si
213	5X/2Y Ø8/14.7	-291	-91075	SLD 5	18905	37388	50429	2.5	128.48	1535	-94038	SLD 1	19310	32833	55356	2.5	21.39	Si
242	5X/2Y Ø8/10	-291	-90944	SLD 5	18889	55098	50429	2.5	173.3	1535	-93907	SLD 1	19301	48385	55356	2.5	31.53	Si
272	5X/2Y Ø8/10	-291	-90811	SLD 5	18872	55098	50429	2.5	173.3	1535	-93775	SLD 1	19283	48385	55356	2.5	31.53	Si
301	5X/2Y Ø8/10	-291	-90679	SLD 5	18856	55098	50429	2.5	173.3	1535	-93642	SLD 1	19265	48385	55356	2.5	31.53	Si
331	5X/2Y Ø8/10	-291	-90547	SLD 5	18840	55098	50429	2.5	173.3	1535	-93510	SLD 1	19246	48385	55356	2.5	31.53	Si
360	5X/2Y Ø8/10	-291	-90417	SLD 5	18823	55098	50429	2.5	173.3	1535	-93380	SLD 1	19229	48385	55356	2.5	31.53	Si
380	5X/2Y Ø8/10	-781	-69280	SLD 5	16192	55098	49266	2.5	63.06	-1523	-70294	SLD 15	16074	48385	54223	2.5	31.76	Si
409	5X/2Y Ø8/10	-781	-69150	SLD 5	16176	55098	49249	2.5	63.04	-1523	-70163	SLD 15	16056	48385	54205	2.5	31.76	Si
438	5X/2Y Ø8/10	-781	-69019	SLD 5	16159	55098	49233	2.5	63.01	-1523	-70033	SLD 15	16038	48385	54186	2.5	31.76	Si
467	5X/2Y Ø8/14.4	-781	-68889	SLD 5	16143	38145	49216	2.5	48.82	-1523	-69902	SLD 15	16020	33497	54168	2.5	21.99	Si
496	5X/2Y Ø8/14.4	-781	-68758	SLD 5	16127	38145	49199	2.5	48.82	-1523	-69772	SLD 15	16002	33497	54149	2.5	21.99	Si
525	5X/2Y Ø8/14.4	-781	-68628	SLD 5	16111	38145	49182	2.5	48.82	-1523	-69641	SLD 15	15984	33497	54131	2.5	21.99	Si
554	5X/2Y Ø8/14.4	-781	-68497	SLD 5	16094	38145	49165	2.5	48.82	-1523	-69511	SLD 15	15967	33497	54112	2.5	21.99	Si
583	5X/2Y Ø8/14.4	-781	-68367	SLD 5	16078	38145	49149	2.5	48.82	-1523	-69380	SLD 15	15949	33497	54094	2.5	21.99	Si
612	5X/2Y Ø8/10	-781	-68236	SLD 5	16062	55098	49132	2.5	62.88	-1523	-69250	SLD 15	15931	48385	54075	2.5	31.76	Si
641	5X/2Y Ø8/10	-781	-68106	SLD 5	16046	55098	49115	2.5	62.86	-1523	-69119	SLD 15	15913	48385	54057	2.5	31.76	Si
670	5X/2Y Ø8/10	-781	-67975	SLD 5	16029	55098	49098	2.5	62.84	-1523	-68989	SLD 15	15895	48385	54039	2.5	31.76	Si
690	5X/2Y Ø8/10	-689	-48097	SLD 5	13555	55098	46538	2.5	67.51	-1606	-48857	SLD 15	13144	48385	51192	2.5	30.14	Si
719	5X/2Y Ø8/10	-689	-47969	SLD 5	13539	55098	46521	2.5	67.49	-1606	-48729	SLD 15	13127	48385	51174	2.5	30.14	Si
748	5X/2Y Ø8/10	-689	-47838	SLD 5	13522	55098	46505	2.5	67.46	-1606	-48599	SLD 15	13109	48385	51156	2.5	30.14	Si
777	5X/2Y Ø8/14.4	-689	-47708	SLD 5	13506	38145	46488	2.5	55.34	-1606	-48468	SLD 15	13091	33497	51137	2.5	20.86	Si
806	5X/2Y Ø8/14.4	-689	-47577	SLD 5	13490	38145	46471	2.5	55.34	-1606	-48338	SLD 15	13073	33497	51119	2.5	20.86	Si
835	5X/2Y Ø8/14.4	-689	-47447	SLD 5	13474	38145	46454	2.5	55.34	-1606	-48207	SLD 15	13055	33497	51101	2.5	20.86	Si
864	5X/2Y Ø8/14.4	-689	-47316	SLD 5	13457	38145	46437	2.5	55.34	-1606	-48077	SLD 15	13037	33497	51082	2.5	20.86	Si
893	5X/2Y Ø8/14.4	-689	-47186	SLD 5	13441	38145	46421	2.5	55.34	-1606	-47946	SLD 15	13020	33497	51064	2.5	20.86	Si
922	5X/2Y Ø8/10	-689	-47055	SLD 5	13425	55098	46404	2.5	67.32	-1606	-47816	SLD 15	13002	48385	51045	2.5	30.14	Si
951	5X/2Y Ø8/10	-689	-46925	SLD 5	13409	55098	46387	2.5	67.29	-1606	-47685	SLD 15	12984	48385	51027	2.5	30.14	Si
980	5X/2Y Ø8/10	-689	-46796	SLD 5	13393	55098	46370	2.5	67.27	-1606	-47557	SLD 15	12966	48385	51009	2.5	30.14	Si
1000	4X/2Y Ø8/10	-384	-26928	SLD 5	9658	44078	37088	2.5	96.54	-1855	-27444	SLD 15	9282	39534	39988	2.5	21.31	Si
1029	4X/2Y Ø8/10	-384	-26819	SLD 5	9644	44078	37074	2.5	96.5	-1855	-27335	SLD 15	9267	39534	39973	2.5	21.31	Si
1058	4X/2Y Ø8/10	-384	-26711	SLD 5	9631	44078	37060	2.5	96.46	-1855	-27226	SLD 15	9253	39534	39958	2.5	21.31	Si
1087	4X/2Y Ø8/14.4	-384	-26602	SLD 5	9617	30516	37046	2.5	79.43	-1855	-27118	SLD 15	9238	27370	39943	2.5	14.75	Si
1116	4X/2Y Ø8/14.4	-384	-26493	SLD 5	9604	30516	37032	2.5	79.43	-1855	-27009	SLD 15	9224	27370	39928	2.5	14.75	Si
1145	4X/2Y Ø8/14.4	-384	-26384	SLD 5	9590	30516	37018	2.5	79.43	-1855	-26900	SLD 15	9209	27370	39913	2.5	14.75	Si
1174	4X/2Y Ø8/14.4	-384	-26276	SLD 5	9577	30516	37004	2.5	79.43	-1855	-26791	SLD 15	9195	27370	39898	2.5	14.75	Si
1203	4X/2Y Ø8/14.4	-384	-26167	SLD 5	9563	30516	36990	2.5	79.43	-1855	-26683	SLD 15	9180	27370	39883	2.5	14.75	Si
1232	4X/2Y Ø8/10	-384	-26058	SLD 5	9550	44078	36976	2.5	96.24	-1855	-26574	SLD 15	9165	39534	39868	2.5	21.31	Si
1261	4X/2Y Ø8/10	-384	-25949	SLD 5	9536	44078	36962	2.5	96.21	-1855	-26465	SLD 15	9151	39534	39853	2.5	21.31	Si
1290	4X/2Y Ø8/10	-384	-25843	SLD 5	9523	44078	36948	2.5	96.17	-1855	-26358	SLD 15	9137	39534	39838	2.5	21.31	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	-47631	7172	-109498	SLE RA 12	-56.6	-47631	7172	-109498	SLE RA 12	-839.5	Si
-111	-47639	5046	-109367	SLE RA 12	-55.4	-47639	5046	-109367	SLE RA 12	-822.7	Si
-81	-47647	2883	-109235	SLE RA 12	-54.5	-47647	2883	-109235	SLE RA 12	-810	Si
-52	-47654	720	-109103	SLE RA 12	-54.2	-47654	720	-109103	SLE RA 12	-807.2	Si
-22	-47662	-1443	-108970	SLE RA 12	-54.2	-47662	-1443	-108970	SLE RA 12	-806.9	Si
7	-47670	-3606	-108838	SLE RA 12	-54.4	-47670	-3606	-108838	SLE RA 12	-807.9	Si
36	-47678	-5769	-108706	SLE RA 12	-54.5	-47678	-5769	-108706	SLE RA 12	-808.8	Si
66	-47686	-7932	-108573	SLE RA 12	-54.6	-47686	-7932	-108573	SLE RA 12	-809.8	Si
95	-47694	-10094	-108441	SLE RA 12	-54.8	-47694	-10094	-108441	SLE RA 12	-810.8	Si
125	-44029	-12901	-108583	SLE RA 13	-54.9	-44029	-12901	-108583	SLE RA 13	-812.1	Si
154	-49205	-14412	-108451	SLE RA 13	-55.3	-49205	-14412	-108451	SLE RA 13	-815.5	Si
184	-54381	-15924	-108319	SLE RA 13	-55.6	-54381	-15924	-108319	SLE RA 13	-819	Si
213	-59608	-17450	-108185	SLE RA 13	-55.9	-59608	-17450	-108185	SLE RA 13	-822.4	Si
242	-64734	-18946	-108054	SLE RA 13	-56.2	-64734	-18946	-108054	SLE RA 13	-825.8	Si
272	-69910	-20458	-107922	SLE RA 13	-56.5	-69910	-20458	-107922	SLE RA 13	-829.2	Si
301	-75086	-21969	-107789	SLE RA 13	-56.9	-75086	-21969	-107789	SLE RA 13	-832.6	Si
331	-80263	-23480	-107657	SLE RA 13	-57.2	-80263	-23480	-107657	SLE RA 13	-836	Si
360	-85351	-24966	-107527	SLE RA 13	-57.5	-85351	-24966	-107527	SLE RA 13	-839.4	Si
380	89076	95273	-82726	SLE RA 12	-52.3	89076	95273	-82726	SLE RA 12	-726.7	Si
409	69899	79569	-82595	SLE RA 12	-49.9	69899	79569	-82595	SLE RA 12	-700.7	Si
438	50723	63866	-82465	SLE RA 12	-47.5	50723	63866	-82465	SLE RA 12	-674.7	Si
467	31546	48163	-82334	SLE RA 12	-45.1	31546	48163	-82334	SLE RA 12	-648.7	Si
496	12369	32460	-82204	SLE RA 12	-42.7	12369	32460	-82204	SLE RA 12	-622.6	Si
525	-20506	17505	-82366	SLE RA 13	-41.8	-20506	17505	-82366	SLE RA 13	-615.3	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
554	-37367	2371	-82236	SLE RA 13	-41.1	-37367	2371	-82236	SLE RA 13	-610.9	Si
583	-54227	-12762	-82105	SLE RA 13	-42.8	-54227	-12762	-82105	SLE RA 13	-629	Si
612	-71087	-27896	-81975	SLE RA 13	-44.9	-71087	-27896	-81975	SLE RA 13	-651.3	Si
641	-87948	-43029	-81844	SLE RA 13	-47	-87948	-43029	-81844	SLE RA 13	-673.6	Si
670	-102692	-61760	-81421	SLE RA 12	-49.3	-104808	-58163	-81714	SLE RA 13	-695.9	Si
690	62858	66060	-58168	SLE RA 12	-36.7	62858	66060	-58168	SLE RA 12	-510.3	Si
719	47928	51986	-58040	SLE RA 12	-34.6	47928	51986	-58040	SLE RA 12	-488.2	Si
748	32736	37665	-57909	SLE RA 12	-32.6	32736	37665	-57909	SLE RA 12	-465.7	Si
777	17544	23344	-57779	SLE RA 12	-30.5	17544	23344	-57779	SLE RA 12	-443.3	Si
806	-4	9302	-57867	SLE RA 13	-28.4	-4	9302	-57867	SLE RA 13	-421.4	Si
835	-14270	-4597	-57737	SLE RA 13	-28.6	-14270	-4597	-57737	SLE RA 13	-424.5	Si
864	-28536	-18495	-57606	SLE RA 13	-30.5	-28536	-18495	-57606	SLE RA 13	-444.2	Si
893	-43225	-33940	-57257	SLE RA 12	-32.4	-43225	-33940	-57257	SLE RA 12	-463.9	Si
922	-58417	-48261	-57126	SLE RA 12	-34.4	-58417	-48261	-57126	SLE RA 12	-484.5	Si
951	-73609	-62582	-56996	SLE RA 12	-36.3	-73609	-62582	-56996	SLE RA 12	-504.1	Si
980	-88540	-76657	-56867	SLE RA 12	-36.2	-88540	-76657	-56867	SLE RA 12	-498.9	Si
1000	86652	32497	-33168	SLE RA 10	-27.7	86652	32497	-33168	SLE RA 10	-378.2	Si
1029	62208	29582	-33526	SLE RA 12	-26.4	62208	29582	-33526	SLE RA 12	-365.5	Si
1058	38372	29996	-33417	SLE RA 12	-25.1	38372	29996	-33417	SLE RA 12	-351	Si
1087	13264	30591	-33436	SLE RA 13	-23.5	13264	30591	-33436	SLE RA 13	-331.5	Si
1116	-9613	31293	-33327	SLE RA 13	-23.3	-9613	31293	-33327	SLE RA 13	-328.3	Si
1145	-32490	31995	-33218	SLE RA 13	-24.8	-32490	31995	-33218	SLE RA 13	-346.6	Si
1174	-55368	32697	-33110	SLE RA 13	-26.4	-55368	32697	-33110	SLE RA 13	-364.9	Si
1203	-78245	33399	-33001	SLE RA 13	-28	-78245	33399	-33001	SLE RA 13	-383.2	Si
1232	-101122	34101	-32892	SLE RA 13	-29.6	-104642	32482	-32765	SLE RA 12	-401.6	Si
1261	-128478	32897	-32656	SLE RA 12	-31.2	-128478	32897	-32656	SLE RA 12	-420.3	Si
1290	-151902	33304	-32549	SLE RA 12	-31.2	-151902	33304	-32549	SLE RA 12	-417.7	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	-54046	4088	-94776	SLE QP 2	-49.4	Si
-111	-52775	2409	-94645	SLE QP 2	-48.3	Si
-81	-51483	701	-94513	SLE QP 2	-47.5	Si
-52	-50191	-1006	-94381	SLE QP 2	-47.4	Si
-22	-48898	-2714	-94248	SLE QP 2	-47.4	Si
7	-47606	-4422	-94116	SLE QP 2	-47.4	Si
36	-46313	-6130	-93984	SLE QP 2	-47.5	Si
66	-45021	-7838	-93851	SLE QP 2	-47.5	Si
95	-43728	-9545	-93719	SLE QP 2	-47.5	Si
125	-42436	-11253	-93587	SLE QP 2	-47.6	Si
154	-41143	-12961	-93454	SLE QP 2	-47.6	Si
184	-39851	-14669	-93322	SLE QP 2	-47.6	Si
213	-38546	-16393	-93188	SLE QP 2	-47.7	Si
242	-37266	-18085	-93057	SLE QP 2	-47.7	Si
272	-35973	-19792	-92925	SLE QP 2	-47.7	Si
301	-34681	-21500	-92793	SLE QP 2	-47.8	Si
331	-33388	-23208	-92660	SLE QP 2	-47.8	Si
360	-32118	-24887	-92530	SLE QP 2	-47.8	Si
380	64111	81301	-70962	SLE QP 2	-44.2	Si
409	49921	68002	-70831	SLE QP 2	-42.3	Si
438	35731	54704	-70701	SLE QP 2	-40.3	Si
467	21541	41406	-70570	SLE QP 2	-38.4	Si
496	7350	28107	-70440	SLE QP 2	-36.4	Si
525	-6840	14809	-70309	SLE QP 2	-35.1	Si
554	-21030	1510	-70179	SLE QP 2	-34.5	Si
583	-35220	-11788	-70048	SLE QP 2	-36.1	Si
612	-49410	-25087	-69918	SLE QP 2	-37.9	Si
641	-63600	-38385	-69787	SLE QP 2	-39.7	Si
670	-77791	-51684	-69657	SLE QP 2	-41.6	Si
690	42295	53207	-49322	SLE QP 2	-30.3	Si
719	31786	41858	-49193	SLE QP 2	-28.7	Si
748	21094	30310	-49063	SLE QP 2	-27.1	Si
777	10401	18763	-48932	SLE QP 2	-25.5	Si
806	-291	7215	-48802	SLE QP 2	-23.9	Si
835	-10984	-4333	-48671	SLE QP 2	-24.1	Si
864	-21677	-15881	-48541	SLE QP 2	-25.6	Si
893	-32369	-27429	-48410	SLE QP 2	-27.1	Si
922	-43062	-38977	-48280	SLE QP 2	-28.6	Si
951	-53755	-50524	-48149	SLE QP 2	-30	Si
980	-64263	-61873	-48021	SLE QP 2	-29.9	Si
1000	64388	25761	-27703	SLE QP 2	-22.4	Si
1029	46250	25380	-27594	SLE QP 2	-21.5	Si
1058	28112	25000	-27485	SLE QP 2	-20.5	Si
1087	9974	24619	-27377	SLE QP 2	-19.1	Si
1116	-8164	24239	-27268	SLE QP 2	-18.9	Si
1145	-26302	23858	-27159	SLE QP 2	-20	Si
1174	-44440	23478	-27050	SLE QP 2	-21.2	Si
1203	-62578	23097	-26942	SLE QP 2	-22.3	Si
1232	-80717	22717	-26833	SLE QP 2	-23.5	Si
1261	-98855	22336	-26724	SLE QP 2	-24.6	Si
1290	-116680	21962	-26617	SLE QP 2	-24.5	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

Non sono presenti nodi verificabili

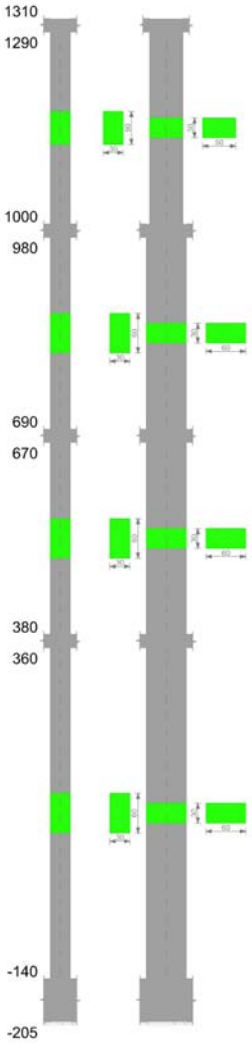
Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.

per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.

Pilastro 50

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60_1	No	No	No	No		C30/37	B450C	
380	670	R 30x60_1	No	No	No	No		C30/37	B450C	
690	980	R 30x60_1	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.9	8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.9	8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60_1	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2	0	1,2	223828	-223828	-82517	785458	-785458	SLU 51	3.509	Si
-111	18.42	2	0	1,2	223370	-223370	-82348	804436	-804436	SLU 51	3.601	Si
-81	20.11	1.1	0	2	222903	-222903	-82176	818158	-818158	SLU 51	3.67	Si
-52	20.11	1.1	0	2	-222436	-222436	-82004	-818158	-818158	SLU 51	3.678	Si
-22	20.11	1.1	0	2	-221970	-221970	-81832	-818158	-818158	SLU 51	3.686	Si
7	20.11	1.1	0	2	-221503	-221503	-81660	-818158	-818158	SLU 51	3.694	Si
36	20.11	1.1	0	2	-221036	-221036	-81488	-818158	-818158	SLU 51	3.701	Si
66	20.11	1.1	0	2	-220569	-220569	-81316	-818158	-818158	SLU 51	3.709	Si
95	20.11	1.1	0	2	-220103	-220103	-81144	-818158	-818158	SLU 51	3.717	Si
125	20.11	1.1	0	2	-219636	-219636	-80972	-818158	-818158	SLU 51	3.725	Si
154	20.11	1.1	0	2	-219169	-219169	-80800	-818158	-818158	SLU 51	3.733	Si
184	20.11	1.1	0	2	-218703	-218703	-80628	-818158	-818158	SLU 51	3.741	Si
213	20.11	1.1	0	2	-218231	-218231	-80454	-818158	-818158	SLU 51	3.749	Si
242	20.11	1.1	0	2	-217769	-217769	-80284	-818158	-818158	SLU 51	3.757	Si
272	20.11	1.1	0	2	-217302	-217302	-80112	-818158	-818158	SLU 51	3.765	Si
301	20.11	1.1	0	2	-216836	-216836	-79939	-818158	-818158	SLU 51	3.773	Si
331	20.11	1.1	0	2	-216369	-216369	-79767	-818158	-818158	SLU 51	3.781	Si
360	20.11	1.1	0	2	-215910	-215910	-79598	-818158	-818158	SLU 51	3.789	Si
380	20.11	2.2	0	2,3	225669	176649	-60314	1079733	845192	SLU 52	4.785	Si
409	20.11	2.2	0	2,3	195085	145348	-60147	987040	735393	SLU 52	5.06	Si
438	20.11	1.1	0	3	163964	119956	-59978	870348	636743	SLU 52	5.308	Si
467	20.11	1.1	0	3	121282	121282	-60641	647491	647491	SLU 51	5.339	Si
496	20.11	1.1	0	3	120943	120943	-60471	647491	647491	SLU 51	5.354	Si
525	20.11	1.1	0	3	120603	120603	-60302	647491	647491	SLU 51	5.369	Si
554	20.11	1.1	0	3	120264	-120264	-60132	647491	-647491	SLU 51	5.384	Si
583	20.11	1.1	0	3	119925	-119925	-59962	647491	-647491	SLU 51	5.399	Si
612	20.11	1.1	0	3	-119585	-119585	-59793	-647491	-647491	SLU 51	5.414	Si
641	20.11	1.1	0	3	-119246	-119645	-59623	-647155	-649319	SLU 51	5.427	Si
670	20.11	1.1	0	3	-118907	-152131	-59453	-619348	-792404	SLU 51	5.209	Si
690	20.11	2.2	0	3,4,6,7	119910	171866	-42464	763670	1094565	SLU 51	6.369	Si
719	20.11	2.2	0	3,4,6,7	91646	137373	-42298	632890	948675	SLU 51	6.906	Si
748	20.11	1.1	0	4,6,7	84256	102274	-42128	625913	759762	SLU 51	7.429	Si
777	20.11	1.1	0	4,6,7	83917	83917	-41958	647491	647491	SLU 51	7.716	Si
806	20.11	1.1	0	4,6,7	83577	83577	-41789	647491	647491	SLU 51	7.747	Si
835	20.11	1.1	0	4,6,7	-83238	-83238	-41619	-647491	-647491	SLU 51	7.779	Si
864	20.11	1.1	0	4,6,7	-82899	-82899	-41449	-647491	-647491	SLU 51	7.811	Si
893	20.11	1.1	0	4,6,7	-82559	-82559	-41280	-647491	-647491	SLU 51	7.843	Si
922	20.11	1.1	0	4,6,7	-109676	-108319	-41110	-810438	-800418	SLU 51	7.389	Si
951	20.37	1.6	0	4,5,6,7	-138436	-143418	-40940	-945210	-979230	SLU 51	6.828	Si
980	27.42	2	0	4,5,6,7	-166700	-177912	-40774	-1125768	-1201487	SLU 51	6.753	Si
1000	20.11	2.4	0	5,6,7,8,9	48353	212710	-24176	325224	1430705	SLU 52	6.726	Si
1029	17.8	2.4	0	5,6,7,8,9	48070	166889	-24035	364031	1263844	SLU 52	7.573	Si
1058	16.08	1.1	0	8,9	58667	121068	-23894	503573	1039199	SLU 52	8.584	Si
1087	16.08	1.1	0	8,9	72630	74306	-24142	712155	728590	SLU 51	9.805	Si
1116	16.08	1.1	0	8,9	92575	48002	-24001	954706	495037	SLU 51	10.313	Si
1145	16.08	1.1	0	8,9	112520	-47719	-23860	1121426	-475595	SLU 51	9.966	Si
1174	16.08	1.1	0	8,9	132465	-60145	-23718	1231618	-559214	SLU 51	9.298	Si
1203	16.08	1.1	0	8,9	152410	-104963	-23577	1193992	-822286	SLU 51	7.834	Si
1232	16.08	1.1	0	8,9	167493	-153856	-23045	1099492	-1009973	SLU 52	6.564	Si
1261	16.08	1.1	0	8,9	185630	-199677	-22904	1028492	-1106315	SLU 52	5.541	Si
1290	22.11	2.1	0	8,9	203455	-244707	-22765	1064064	-1279811	SLU 52	5.23	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	16.08	2	0	1,2	-412050	-436406	-77159	-2.02	1.92	-938465	-993936	SLV 15	2.278				Si
-111	18.42	2	0	1,2	-386328	-394582	-77029	-2.02	1.92	-957167	-977618	SLV 15	2.478				Si
-81	20.11	1.1	0	2	-360178	-352037	-76896	-2.02	1.92	-964497	-942697	SLV 15	2.678				Si
-52	20.11	1.1	0	2	-334048	-309493	-76764	-2.02	1.92	-951405	-881468	SLV 15	2.848				Si
-22	20.11	1.1	0	2	-307945	-266951	-76632	-2.02	1.92	-932265	-808161	SLV 15	3.027				Si
7	20.11	1.1	0	2	-281874	-224413	-76499	-2.02	1.92	-906642	-721822	SLV 15	3.216				Si
36	20.11	1.1	0	2	-255846	-181883	-76367	-2.02	1.92	-874317	-621560	SLV 15	3.417				Si
66	20.11	1.1	0	2	-229877	-139369	-76234	-2.02	1.92	-836619	-507222	SLV 15	3.639				Si
95	20.11	1.1	0	2	-203986	-96897	-76102	-2.02	1.92	-793332	-376849	SLV 15	3.889				Si
125	20.11	1.1	0	2	-178206	-54646	-75970	-2.02	1.92	-742844	-227789	SLV 15	4.168				Si
154	20.11	1.1	0	2	-152606	-10250	-75837	-2.02	1.92	-662584	-44503	SLV 15	4.342				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
184	20.11	1.1	0	2	-127277	31370	-75705	-2.02	1.92	-553575	136441	SLV 15	4.349				Si
213	20.11	1.1	0	2	-102160	74126	-75571	-2.02	1.92	-439704	319046	SLV 15	4.304				Si
242	20.11	1.1	0	2	-78536	116207	-75440	-2.02	1.92	-324269	479807	SLV 15	4.129				Si
272	20.11	1.1	0	2	-56903	158726	-75308	-2.02	1.92	-224775	626992	SLV 15	3.95				Si
301	20.11	1.1	0	2	-40567	201258	-75176	-2.02	1.92	-152972	758910	SLV 15	3.771				Si
331	20.11	1.1	0	2	-16680	243797	-75043	-2.02	1.92	-60336	881855	SLV 15	3.617				Si
360	20.11	1.1	0	2	-10102	285616	-74913	-2.02	1.92	-34887	986347	SLV 15	3.453				Si
380	20.11	2.2	0	2,3	82758	572138	-16820	-2.02	1.92	164290	1135801	SLV 1	1.985				Si
409	20.11	2.2	0	2,3	70265	464253	-16692	-2.02	1.92	186088	1229503	SLV 1	2.648				Si
438	20.11	1.1	0	3	57313	354490	-16561	-2.02	1.92	225772	1396424	SLV 1	3.939				Si
467	20.11	1.1	0	3	71710	-156306	-57012	-2.02	1.92	345344	-752740	SLV 15	4.816				Si
496	20.11	1.1	0	3	57169	-84496	-56881	-2.02	1.92	315355	-466094	SLV 15	5.516				Si
525	20.11	1.1	0	3	43017	-12742	-56751	-2.02	1.92	249586	-73928	SLV 15	5.802				Si
554	20.11	1.1	0	3	-6440	60788	-56620	-2.02	1.92	-37452	353509	SLV 15	5.815				Si
583	20.11	1.1	0	3	-12493	132376	-56490	-2.02	1.92	-65516	694180	SLV 15	5.244				Si
612	20.11	1.1	0	3	-27183	204294	-56359	-2.02	1.92	-125498	943162	SLV 15	4.617				Si
641	20.11	1.1	0	3	-11312	-414448	-15648	-2.02	1.92	-36055	-1321041	SLV 1	3.187				Si
670	20.11	1.1	0	3	-24294	-524221	-15517	-2.02	1.92	-54704	-1180415	SLV 1	2.252				Si
690	20.11	2.2	0	3,4,6,7	44346	508133	-12354	-2.02	1.92	95044	1089037	SLV 1	2.143				Si
719	20.11	2.2	0	3,4,6,7	30311	407416	-12225	-2.02	1.92	87361	1174220	SLV 1	2.882				Si
748	20.11	1.1	0	4,6,7	15660	304960	-12095	-2.02	1.92	68856	1340885	SLV 1	4.397				Si
777	20.11	1.1	0	4,6,7	34954	-124379	-38331	-2.02	1.92	242161	-861695	SLV 15	6.928				Si
806	20.11	1.1	0	4,6,7	26963	-63222	-38201	-2.02	1.92	220380	-516746	SLV 15	8.173				Si
835	20.11	1.1	0	4,6,7	-17107	3069	-38070	-2.02	1.92	-147959	26542	SLV 15	8.649				Si
864	20.11	1.1	0	4,6,7	-45388	61820	-37940	-2.02	1.92	-366724	499484	SLV 15	8.08				Si
893	20.11	1.1	0	4,6,7	-60395	122997	-37809	-2.02	1.92	-413825	842775	SLV 15	6.852				Si
922	20.11	1.1	0	4,6,7	-42115	-310767	-11312	-2.02	1.92	-168574	-1243908	SLV 1	4.003				Si
951	20.37	1.6	0	4,5,6,7	-56908	-413224	-11181	-2.02	1.92	-154082	-1118826	SLV 1	2.708				Si
980	27.42	2	0	4,5,6,7	-71042	-513942	-11053	-2.02	1.92	-186881	-1351959	SLV 1	2.631				Si
1000	20.11	2.4	0	5,6,7,8,9	-13614	519276	-7923	-2.02	1.92	-25673	979226	SLV 1	1.886				Si
1029	17.8	2.4	0	5,6,7,8,9	508	404162	-7814	-2.02	1.92	1166	928357	SLV 1	2.297				Si
1058	16.08	1.1	0	8,9	3199	289056	-7706	-2.02	1.92	10229	924257	SLV 1	3.198				Si
1087	16.08	1.1	0	8,9	8032	173972	-7597	-2.02	1.92	52459	1136204	SLV 1	6.531				Si
1116	16.08	1.1	0	8,9	91439	-24431	-20498	-2.02	1.92	969593	-259063	SLV 15	10.604				Si
1145	16.08	1.1	0	8,9	116391	39940	-20390	-2.02	1.92	1098627	377002	SLV 15	9.439				Si
1174	16.08	1.1	0	8,9	5563	-171579	-7271	-2.02	1.92	36448	-1124109	SLV 1	6.552				Si
1203	16.08	1.1	0	8,9	1551	-286665	-7162	-2.02	1.92	4906	-906727	SLV 1	3.163				Si
1232	16.08	1.1	0	8,9	-2855	-401772	-7053	-2.02	1.92	-5873	-826560	SLV 1	2.057				Si
1261	16.08	1.1	0	8,9	-7493	-516886	-6944	-2.02	1.92	-11381	-785088	SLV 1	1.519				Si
1290	22.11	2.1	0	8,9	-12197	-630018	-6837	-2.02	1.92	-19784	-1021881	SLV 1	1.622				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2	0	1,2	-163107	-185550	-60925	-654315	-744347	SLD 15	4.012	Si
-111	18.42	2	0	1,2	-152790	-168710	-60795	-646194	-713526	SLD 15	4.229	Si
-81	20.11	1.1	0	2	-142303	-151580	-60662	-631351	-672510	SLD 15	4.437	Si
-52	20.11	1.1	0	2	-131827	-134450	-60530	-604921	-616958	SLD 15	4.589	Si
-22	20.11	1.1	0	2	-121366	-117322	-60398	-576674	-557461	SLD 15	4.752	Si
7	20.11	1.1	0	2	-110921	-100196	-60265	-546424	-493590	SLD 15	4.926	Si
36	20.11	1.1	0	2	-100500	-83074	-60133	-513972	-424853	SLD 15	5.114	Si
66	20.11	1.1	0	2	-90111	-65961	-60001	-478980	-350610	SLD 15	5.315	Si
95	20.11	1.1	0	2	-79763	-48870	-59868	-438692	-268782	SLD 15	5.5	Si
125	20.11	1.1	0	2	-69476	-31900	-59736	-382960	-175835	SLD 15	5.512	Si
154	20.11	1.1	0	2	-59287	-13852	-59604	-327521	-76525	SLD 15	5.524	Si
184	20.11	1.1	0	2	-49244	2854	-59471	-272646	15802	SLD 15	5.537	Si
213	20.11	1.1	0	2	-39352	20046	-59338	-218368	111235	SLD 15	5.549	Si
242	20.11	1.1	0	2	-30190	36982	-59206	-167896	205671	SLD 15	5.561	Si
272	20.11	1.1	0	2	-22057	54099	-59074	-122944	301537	SLD 15	5.574	Si
301	20.11	1.1	0	2	-16280	71222	-58942	-90947	397870	SLD 15	5.586	Si
331	20.11	1.1	0	2	-5780	88348	-58809	-31965	488600	SLD 15	5.53	Si
360	20.11	1.1	0	2	-2715	105186	-58679	-14607	565973	SLD 15	5.381	Si
380	20.11	2.2	0	2,3	92444	284585	-29151	433324	1333973	SLD 1	4.687	Si
409	20.11	2.2	0	2,3	79104	231152	-29023	443335	1295475	SLD 1	5.604	Si
438	20.11	1.1	0	3	65441	176792	-28892	444277	1200240	SLD 1	6.789	Si
467	20.11	1.1	0	3	64088	-33993	-44681	472289	-250507	SLD 15	7.369	Si
496	20.11	1.1	0	3	49792	-17511	-44550	368012	-129424	SLD 15	7.391	Si
525	20.11	1.1	0	3	35623	-1079	-44420	264059	-8001	SLD 15	7.413	Si
554	20.11	1.1	0	3	5485	16428	-44289	40775	122134	SLD 15	7.435	Si
583	20.11	1.1	0	3	-4630	32783	-44159	-34527	244449	SLD 15	7.457	Si
612	20.11	1.1	0	3	-18945	49330	-44028	-141682	368918	SLD 15	7.479	Si
641	20.11	1.1	0	3	-20084	-204087	-27979	-132542	-1346843	SLD 1	6.599	Si
670	20.11	1.1	0	3	-33770	-258454	-27848	-183577	-1404990	SLD 1	5.436	Si
690	20.11	2.2	0	3,4,6,7	55269	259527	-20329	297867	1398704	SLD 1	5.389	Si
719	20.11	2.2	0	3,4,6,7	40592	207966	-20200	272083	1393972	SLD 1	6.703	Si
748	20.11	1.1	0	4,6,7	25531	155518	-20070	221289	1347942	SLD 1	8.667	Si
777	20.11	1.1	0	4,6,7	25191	-24912	-30356	273243	-270212	SLD 15	10.847	Si
806	20.11	1.1	0	4,6,7	13271	-13588	-30226	144573	-148027	SLD 15	10.894	Si
835	20.11	1.1	0	4,6,7	-14445	410	-30095	-158045	4488	SLD 15	10.941	Si
864	20.11	1.1	0	4,6,7	-35565	10623	-29965	-390813	116737	SLD 15	10.989	Si
893	20.11	1.1	0	4,6,7	-36456	-107341	-19417	-394177	-1160603	SLD 1	10.812	Si
922	20.11	1.1	0	4,6,7	-51837	-159748	-19287	-425145	-1310186	SLD 1	8.202	Si
951	20.37	1.6	0	4,5,6,7	-67050	-212197	-19156	-426855	-1350898	SLD 1	6.366	Si
980	27.42	2	0	4,5,6,7	-81842	-263758	-19028	-469237	-1512238	SLD 1	5.733	Si
1000	20.11	2.4	0	5,6,7,8,9	-3339	276969	-11835	-16423	1362150	SLD 1	4.918	Si
1029	17.8	2.4	0	5,6,7,8,9	9468	216168	-11726	55965	1277769	SLD 1	5.911	Si
1058	16.08	1.1	0	8,9	17476	155372	-11618	133065	1183050	SLD 1	7.614	Si
1087	16.08	1.1	0	8,9	26623	94588	-11509	302788	1075765	SLD 1	11.373	Si
1116	16.08	1.1	0	8,9	66940	776	-16586	973924	11283	SLD 15	14.549	Si
1145	16.08	1.1	0	8,9	83716	10503	-16478	1109072	139142	SLD 15	13.248	Si
1174	16.08	1.1	0	8,9	47260	-87932	-11183	528343	-983046	SLD 1	11.18	Si
1203	16.08	1.1	0	8,9	52659	-148717	-11074	376678	-1063806	SLD 1	7.153	Si
1232	16.08	1.1	0	8,9	57875	-209514	-10965	301201	-1090390	SLD 1	5.204	Si
1261	16.08	1.1	0	8,9	62984	-270315	-10856	232537	-998008	SLD 1	3.692	Si
1290	22.11	2.1	0	8,9	67938	-330069	-10749	244307	-1186934	SLD 1	3.596	Si

Verifica a taglio in famiglia SLU

	Direzione X	Direzione Y	Verifica

Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	566	-50123	SLU 29	13807	49593	50369	2.25	87.66	322	-50123	SLU 29	13317	48390	51371	2.5	150.46	Si
-111	5X/2Y Ø8/10	566	-49954	SLU 29	13786	49593	50346	2.25	87.66	322	-49954	SLU 29	13294	48390	51347	2.5	150.46	Si
-81	5X/2Y Ø8/10	566	-49782	SLU 29	13764	49593	50322	2.25	87.66	322	-49782	SLU 29	13270	48390	51323	2.5	150.46	Si
-52	5X/2Y Ø8/10	566	-49610	SLU 29	13743	49593	50298	2.25	87.66	322	-49610	SLU 29	13247	48390	51299	2.5	150.46	Si
-22	5X/2Y Ø8/14.7	566	-49438	SLU 29	13721	37388	46711	2.5	66.08	322	-49438	SLU 29	13223	32833	51274	2.5	102.09	Si
7	5X/2Y Ø8/14.7	566	-49266	SLU 29	13700	37388	46688	2.5	66.08	322	-49266	SLU 29	13200	32833	51250	2.5	102.09	Si
36	5X/2Y Ø8/14.7	566	-49093	SLU 29	13679	37388	46666	2.5	66.08	322	-49093	SLU 29	13176	32833	51226	2.5	102.09	Si
66	5X/2Y Ø8/14.7	566	-48921	SLU 29	13657	37388	46644	2.5	66.08	322	-48921	SLU 29	13153	32833	51201	2.5	102.09	Si
95	5X/2Y Ø8/14.7	566	-48749	SLU 29	13636	37388	46622	2.5	66.08	322	-48749	SLU 29	13129	32833	51177	2.5	102.09	Si
125	5X/2Y Ø8/14.7	566	-48577	SLU 29	13614	37388	46600	2.5	66.08	322	-48577	SLU 29	13106	32833	51153	2.5	102.09	Si
154	5X/2Y Ø8/14.7	566	-48405	SLU 29	13593	37388	46578	2.5	66.08	322	-48405	SLU 29	13082	32833	51129	2.5	102.09	Si
184	5X/2Y Ø8/14.7	566	-48233	SLU 29	13571	37388	46556	2.5	66.08	322	-48233	SLU 29	13059	32833	51104	2.5	102.09	Si
213	5X/2Y Ø8/14.7	566	-48059	SLU 29	13550	37388	46533	2.5	66.08	322	-48059	SLU 29	13035	32833	51080	2.5	102.09	Si
242	5X/2Y Ø8/10	566	-47889	SLU 29	13529	49588	50059	2.25	87.65	322	-47889	SLU 29	13012	48385	51056	2.5	150.44	Si
272	5X/2Y Ø8/10	566	-47717	SLU 29	13507	49588	50036	2.25	87.65	322	-47717	SLU 29	12988	48385	51031	2.5	150.44	Si
301	5X/2Y Ø8/10	566	-47545	SLU 29	13486	49588	50012	2.25	87.65	322	-47545	SLU 29	12965	48385	51007	2.5	150.44	Si
331	5X/2Y Ø8/10	566	-47373	SLU 29	13464	49588	49988	2.25	87.65	322	-47373	SLU 29	12941	48385	50983	2.5	150.44	Si
360	5X/2Y Ø8/10	566	-47204	SLU 29	13443	49588	49964	2.25	87.65	322	-47204	SLU 29	12918	48385	50959	2.5	150.44	Si
380	5X/2Y Ø8/10	-1126	-60831	SLU 49	15140	50690	51089	2.3	45.03	-1110	-55648	SLU 45	14072	48385	52152	2.5	43.58	Si
409	5X/2Y Ø8/10	-1126	-60664	SLU 49	15119	50690	51066	2.3	45.03	-1110	-55481	SLU 45	14049	48385	52129	2.5	43.58	Si
438	5X/2Y Ø8/10	-1126	-60495	SLU 49	15098	50690	51043	2.3	45.03	-1110	-55311	SLU 45	14026	48385	52105	2.5	43.58	Si
467	5X/2Y Ø8/14.4	-1126	-60325	SLU 49	15077	38145	48113	2.5	33.89	-1110	-55142	SLU 45	14003	33497	52081	2.5	30.17	Si
496	5X/2Y Ø8/14.4	-1126	-60155	SLU 49	15056	38145	48091	2.5	33.89	-1110	-54972	SLU 45	13980	33497	52057	2.5	30.17	Si
525	5X/2Y Ø8/14.4	-1126	-59986	SLU 49	15035	38145	48069	2.5	33.89	-1110	-54803	SLU 45	13957	33497	52033	2.5	30.17	Si
554	5X/2Y Ø8/14.4	-1126	-59816	SLU 49	15014	38145	48047	2.5	33.89	-1110	-54633	SLU 45	13933	33497	52009	2.5	30.17	Si
583	5X/2Y Ø8/14.4	-1126	-59646	SLU 49	14992	38145	48025	2.5	33.89	-1110	-54463	SLU 45	13910	33497	51985	2.5	30.17	Si
612	5X/2Y Ø8/10	-1126	-59477	SLU 49	14971	50690	50904	2.3	45.03	-1110	-54294	SLU 45	13887	48385	51961	2.5	43.58	Si
641	5X/2Y Ø8/10	-1126	-59307	SLU 49	14950	50690	50880	2.3	45.03	-1110	-54124	SLU 45	13864	48385	51937	2.5	43.58	Si
670	5X/2Y Ø8/10	-1126	-59137	SLU 49	14929	50690	50857	2.3	45.03	-1110	-53954	SLU 45	13841	48385	51913	2.5	43.58	Si
690	5X/2Y Ø8/10	-1251	-41442	SLU 50	12726	48486	49905	2.2	38.76	-992	-42464	SLU 51	12270	48385	50289	2.5	48.79	Si
719	5X/2Y Ø8/10	-1251	-41276	SLU 50	12705	48486	49881	2.2	38.76	-992	-42298	SLU 51	12248	48385	50265	2.5	48.79	Si
748	5X/2Y Ø8/10	-1251	-41106	SLU 50	12684	48486	49857	2.2	38.76	-992	-42128	SLU 51	12224	48385	50241	2.5	48.79	Si
777	5X/2Y Ø8/14.4	-1251	-40936	SLU 50	12663	38145	45616	2.5	30.49	-992	-41958	SLU 51	12201	33497	50217	2.5	33.78	Si
806	5X/2Y Ø8/14.4	-1251	-40767	SLU 50	12642	38145	45594	2.5	30.49	-992	-41789	SLU 51	12178	33497	50193	2.5	33.78	Si
835	5X/2Y Ø8/14.4	-1251	-40597	SLU 50	12621	38145	45572	2.5	30.49	-992	-41619	SLU 51	12155	33497	50169	2.5	33.78	Si
864	5X/2Y Ø8/14.4	-1251	-40427	SLU 50	12600	38145	45550	2.5	30.49	-992	-41449	SLU 51	12132	33497	50145	2.5	33.78	Si
893	5X/2Y Ø8/14.4	-1251	-40258	SLU 50	12579	38145	45528	2.5	30.49	-992	-41280	SLU 51	12108	33497	50121	2.5	33.78	Si
922	5X/2Y Ø8/10	-1251	-40088	SLU 50	12557	48486	49714	2.2	38.76	-992	-41110	SLU 51	12085	48385	50097	2.5	48.79	Si
951	5X/2Y Ø8/10	-1251	-39919	SLU 50	12536	48486	49690	2.2	38.76	-992	-40940	SLU 51	12062	48385	50073	2.5	48.79	Si
980	5X/2Y Ø8/10	-1251	-39752	SLU 50	12516	48486	49667	2.2	38.76	-992	-40774	SLU 51	12039	48385	50050	2.5	48.79	Si
1000	4X/2Y Ø8/10	-1582	-23850	SLU 50	9275	38789	40084	2.2	24.52	679	-20544	SLU 38	8357	38743	39603	2.45	57.07	Si
1029	4X/2Y Ø8/10	-1582	-23709	SLU 50	9257	38789	40064	2.2	24.52	679	-20403	SLU 38	8339	38743	39583	2.45	57.07	Si
1058	4X/2Y Ø8/10	-1582	-23567	SLU 50	9239	38789	40044	2.2	24.52	679	-20261	SLU 38	8320	38743	39563	2.45	57.07	Si
1087	4X/2Y Ø8/14.4	-1582	-23426	SLU 50	9222	30516	36637	2.5	19.29	688	-24142	SLU 51	8840	27370	39531	2.5	39.8	Si
1116	4X/2Y Ø8/14.4	-1582	-23284	SLU 50	9204	30516	36618	2.5	19.29	688	-24001	SLU 51	8821	27370	39511	2.5	39.8	Si
1145	4X/2Y Ø8/14.4	-1582	-23143	SLU 50	9187	30516	36600	2.5	19.29	688	-23860	SLU 51	8802	27370	39491	2.5	39.8	Si
1174	4X/2Y Ø8/14.4	-1582	-23002	SLU 50	9169	30516	36582	2.5	19.29	688	-23718	SLU 51	8783	27370	39472	2.5	39.8	Si
1203	4X/2Y Ø8/14.4	-1582	-22860	SLU 50	9151	30516	36564	2.5	19.29	688	-23577	SLU 51	8764	27370	39452	2.5	39.8	Si
1232	4X/2Y Ø8/10	-1582	-22719	SLU 50	9134	38789	39925	2.2	24.52	688	-23436	SLU 51	8745	38743	40010	2.45	56.33	Si
1261	4X/2Y Ø8/10	-1582	-22578	SLU 50	9116	38789	39905	2.2	24.52	688	-23294	SLU 51	8726	38743	39990	2.45	56.33	Si
1290	4X/2Y Ø8/10	-1582	-22439	SLU 50	9099	38789	39885	2.2	24.52	688	-23155	SLU 51	8707	38743	39970	2.45	56.33	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-1402	-23874	SLV 1	10539	47389	48148	2.15	33.81	1162	-68051	SLV 11	15029	48390	53906	2.5	41.65	Si
-111	5X/2Y Ø8/10	-1402	-23744	SLV 1	10523	47389	48130	2.15	33.81	1162	-67920	SLV 11	15029	48390	53888	2.5	41.65	Si
-81	5X/2Y Ø8/10	-1402	-23612	SLV 1	10506	47389	48111	2.15	33.81	1162	-67788	SLV 11	15029	48390	53869	2.5	41.65	Si
-52	5X/2Y Ø8/10	-1402	-23479	SLV 1	10490	47389	48092	2.15	33.81	1162	-67656	SLV 11	15029	48390	53850	2.5	41.65	Si
-22	5X/2Y Ø8/14.7	1447	-76632	SLV 15	15366	37388	50213	2.5	25.84	1162	-67523	SLV 11	15029	32833	53831	2.5	28.26	Si
7	5X/2Y Ø8/14.7	1447	-76499	SLV 15	15366	37388	50196	2.5	25.84	1162	-67391	SLV 11	15029	32833	53813	2.5	28.26	Si
36	5X/2Y Ø8/14.7	1447	-76367	SLV 15	15366	37388	50179	2.5	25.84	1162	-67259	SLV 11	15029	32833	53794	2.5	28.26	Si
66	5X/2Y Ø8/14.7	1447	-76234	SLV 15	15366	37388	50162	2.5	25.84	1162	-67126	SLV 11	15029	32833	53775	2.5	28.26	Si
95	5X/2Y Ø8/14.7	1447	-76102	SLV 15	15366	37388	50145	2.5	25.84	1162	-66994	SLV 11	15029	32833	53757	2.5	28.26	Si
125	5X/2Y Ø8/14.7	1447	-75970	SLV 15	15366	37388	50128	2.5	25.84	1162	-66862	SLV 11	15029	32833	53738	2.5	28.26	Si
154	5X/2Y Ø8/14.7	1447	-75837	SLV 15	15366	37388	50111	2.5	25.84	1162	-66729	SLV 11	15029	32833	53719	2.5	28.26	Si
184	5X/2Y Ø8/14.7	1447	-75705	SLV 15	15366	37388	50094	2.5	25.84	1162	-66597	SLV 11	15029	32833	53700	2.5	28.26	Si
213	5X/2Y Ø8/14.7	1447	-75571	SLV 15	15366	37388	50076	2.5	25.84	1162	-66463	SLV 11	15029	32833	53682	2.5	28.26	Si
242	5X/2Y Ø8/10	-1402	-22156	SLV 1	10325	47384	47903	2.15	33.81	1162	-66332	SLV 11	15029	48385	53663	2.5	41.65	Si
272	5X/2Y Ø8/10	-1402	-22024	SLV 1	10308	47384	47884	2.15	33.81	1162	-66200	SLV 11	15029	48385	53644	2.5	41.65	Si
301	5X/2Y Ø8/10	-1402	-21891	SLV 1	10292	47384	47865	2.15	33.81	1162	-66068	SLV 11	15029	48385	53626	2.5	41.65	Si
331	5X/2Y Ø8/10	-1402	-21759	SLV 1	10275	47384	47846	2.15	33.81	1162	-65935	SLV 11	15029	48385	53607	2.5	41.65	Si
360	5X/2Y Ø8/10	-1402	-21629	SLV 1	10259	47384	47827	2.15	33.81	1162	-65805	SLV 11	15029	48385	53588	2.5	41.65	Si
380	5X/2Y Ø8/10	-3786	-16820	SLV 1	9661	46282	47853	2.1	12.22	-1027	-34442	SLV 9	11174	48385	49154	2.5	47.11	Si
409	5X/2Y Ø8/10	-3786	-16692	SLV 1	9645	46282	47834	2.1	12.22	-1027	-34313	SLV 9	11156	48385	49136	2.5	47.11	Si
438	5X/2Y Ø8/10	-3786	-16561	SLV 1	9628	46282	47815	2.1	12.22	-1027	-34183	SLV 9	11139	48385	49118	2.5	47.11	Si
467	5X/2Y Ø8/14.4	-3786	-16431	SLV 1	9612	38145	42460	2.5	10.07	-1027	-34052	SLV 9	11121	33497	49099	2.5	32.62	Si
496	5X/2Y Ø8/14.4	-3786	-16300	SLV 1	9596	38145	42443	2.5	10.07	-1027	-33922	SLV 9	11103	33497	49081	2.5	32.62	Si
525	5X/2Y Ø8/14.4	-3786	-16170	SLV 1	9580	38145	42426	2.5	10.07	-1027	-33791	SLV 9	11085	33497	49062	2.5	32.62	Si
554	5X/2Y Ø8/14.4	-3786	-16039	SLV 1	9563	38145	42409	2.5	10.07	-1027	-33661	SLV 9	11067	33497	49044	2.5	32.62	Si
583	5X/2Y Ø8/14.4	-3786	-15909	SLV 1	9547	38145	42392	2.5	10.07	-1027	-33530	SLV 9	11049	33497	49026	2.5	32.62	Si
612	5X/2Y Ø8/10	-3786	-15778	SLV 1	9531	46282	47702	2.1	12.22	-1027	-33400	SLV 9	11032	48385	49007	2.5	47.11	Si
641	5X/2Y Ø8/10	-3786	-15648	SLV 1	9515	46282	47683	2.1	12.22	-1027	-33269	SLV 9	11014	48385	48989	2.5	47.11	Si
670	5X/2Y Ø8/10	-3786	-15517	SLV 1	9498	46282	47664	2.1	12.22	-1027	-33139	SLV 9	10996	48385	48970	2.5	47.11	Si
690	5X/2Y Ø8/10	-3535	-12354	SLV 1	9104	46282	47205	2.1	13.09	-1149	-23717	SLV 9	9708	47417	48335	2.45	41.26	Si
719	5X/2Y Ø8/10	-3535	-12225	SLV 1	9089	46282	47187	2.1	13.09	-1149	-23589	SLV 9	9691	47417	48317	2.45	41.26	Si
748	5X/2Y Ø8/10	-3535	-12095	SLV 1	9072	46282	47168	2.1	13.09	-1149	-23458	SLV 9	9673	47417	48298	2.45	41.26	Si
777	5X/2Y Ø8/14.4	-3535	-11964	SLV 1	9056	38145	41884	2.5	10.79	-1149	-23328	SLV 9	9655	33497	47583	2.5	29.15	Si
806	5X/2Y Ø8/14.4	-3535	-11834	SLV 1	9040	38145	41868	2.5	10.79	-1149	-23197	SLV 9	9637	33497	47565	2.5	29.15	Si
835	5X/2Y Ø8/14.4	-3535	-11703	SLV 1	9024	38145	41851	2.5	10.79	-1149	-23067	SLV 9	9619	33497	47546	2.5	29.15	Si
864	5X/2Y Ø8/14.4	-3535	-11573	SLV 1	9007	38145	41834	2.5	10.79	-1149	-22936	SLV 9	9602	33497	47528	2.5	29.15	Si
893	5X/2Y Ø8/14.4	-3535	-11442	SLV 1	8991	38145	41817	2.5	10.79	-1149	-22806	SLV 9	9584	33497	47509	2.5	29.15	Si
922	5X/2Y Ø8/10	-3535	-11312	SLV 1	8975	46282	47054	2.1	13.09	-1149	-22675	SLV 9	9566	47417	48186	2.45	41.26	Si
951	5X/2Y Ø8/10	-3535	-11181	SLV 1	8959	46282	47035	2.1	13.09	-1149	-22545	SLV 9	9548	47417	48167	2.45	41.26	Si
980	5X/2Y Ø8/10	-3535	-11053	SLV 1	8943	46282	47017	2.1	13.09	-1149	-22417	SLV 9	9531	47417	48149	2.45	41.26	Si
1000	4X/2Y Ø8/10	-3970	-7923	SLV 1	7292	37907	38414	2.15	9.55	1109	-18956	SLV 11	8145	38743	39380	2.45	34.95	Si
1029	4X/2Y Ø8/10	-3970	-7814	SLV 1	7278	37907	38398	2.15	9.55	1109	-18847	SLV 11	8130	38743	39365	2.45	34.95	Si
1058	4X/2Y Ø8/10	-3970	-7706	SLV 1	7265	37907	38382	2.15	9.55	1109	-18738	SLV 11	8116	38743	39349	2.45	34.95	Si
1087	4X/2Y Ø8/14.4	-3970	-7597	SLV 1	7251	30516	34598	2.5	7.69	1109	-18630	SLV 11	8101	27370	38766	2.5	24.69	Si
1116	4X/2Y Ø8/14.4	-3970	-7488	SLV 1	7238	30516	34584	2.5	7.69	1109	-18521	SLV 11	8086	27370	38751	2.5	24.69	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1145	4X/2Y Ø8/14.4	-3970	-7379	SLV 1	7224	30516	34570	2.5	7.69	1109	-18412	SLV 11	8072	27370	38736	2.5	24.69	Si
1174	4X/2Y Ø8/14.4	-3970	-7271	SLV 1	7211	30516	34556	2.5	7.69	1109	-18303	SLV 11	8057	27370	38721	2.5	24.69	Si
1203	4X/2Y Ø8/14.4	-3970	-7162	SLV 1	7197	30516	34542	2.5	7.69	1109	-18195	SLV 11	8043	27370	38706	2.5	24.69	Si
1232	4X/2Y Ø8/10	-3970	-7053	SLV 1	7183	37907	38289	2.15	9.55	1109	-18086	SLV 11	8028	38743	39257	2.45	34.95	Si
1261	4X/2Y Ø8/10	-3970	-6944	SLV 1	7170	37907	38274	2.15	9.55	1109	-17977	SLV 11	8014	38743	39242	2.45	34.95	Si
1290	4X/2Y Ø8/10	-3970	-6837	SLV 1	7157	37907	38258	2.15	9.55	1109	-17870	SLV 11	7999	38743	39227	2.45	34.95	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	583	-60925	SLD 15	15152	55104	48190	2.5	82.72	465	-57377	SLD 11	14308	48390	52397	2.5	104.04	Si
-111	5X/2Y Ø8/10	583	-60795	SLD 15	15135	55104	48173	2.5	82.7	465	-57247	SLD 11	14291	48390	52378	2.5	104.04	Si
-81	5X/2Y Ø8/10	583	-60662	SLD 15	15119	55104	48156	2.5	82.67	465	-57114	SLD 11	14272	48390	52360	2.5	104.04	Si
-52	5X/2Y Ø8/10	583	-60530	SLD 15	15102	55104	48139	2.5	82.64	465	-56982	SLD 11	14254	48390	52341	2.5	104.04	Si
-22	5X/2Y Ø8/14.7	583	-60398	SLD 15	15086	37388	48122	2.5	64.18	465	-56849	SLD 11	14236	32833	52322	2.5	70.59	Si
7	5X/2Y Ø8/14.7	583	-60265	SLD 15	15069	37388	48105	2.5	64.18	465	-56717	SLD 11	14218	32833	52304	2.5	70.59	Si
36	5X/2Y Ø8/14.7	583	-60133	SLD 15	15053	37388	48088	2.5	64.18	465	-56585	SLD 11	14200	32833	52285	2.5	70.59	Si
66	5X/2Y Ø8/14.7	583	-60001	SLD 15	15037	37388	48071	2.5	64.18	465	-56452	SLD 11	14182	32833	52266	2.5	70.59	Si
95	5X/2Y Ø8/14.7	583	-59868	SLD 15	15020	37388	48054	2.5	64.18	465	-56320	SLD 11	14164	32833	52247	2.5	70.59	Si
125	5X/2Y Ø8/14.7	583	-59736	SLD 15	15004	37388	48037	2.5	64.18	465	-56188	SLD 11	14146	32833	52229	2.5	70.59	Si
154	5X/2Y Ø8/14.7	583	-59604	SLD 15	14987	37388	48020	2.5	64.18	465	-56055	SLD 11	14128	32833	52210	2.5	70.59	Si
184	5X/2Y Ø8/14.7	583	-59471	SLD 15	14971	37388	48003	2.5	64.18	465	-55923	SLD 11	14110	32833	52191	2.5	70.59	Si
213	5X/2Y Ø8/14.7	583	-59338	SLD 15	14954	37388	47986	2.5	64.18	465	-55789	SLD 11	14091	32833	52172	2.5	70.59	Si
242	5X/2Y Ø8/10	583	-59206	SLD 15	14938	55098	47969	2.5	82.34	465	-55658	SLD 11	14073	48385	52154	2.5	104.03	Si
272	5X/2Y Ø8/10	583	-59074	SLD 15	14921	55098	47952	2.5	82.32	465	-55526	SLD 11	14055	48385	52135	2.5	104.03	Si
301	5X/2Y Ø8/10	583	-58942	SLD 15	14905	55098	47935	2.5	82.29	465	-55394	SLD 11	14037	48385	52117	2.5	104.03	Si
331	5X/2Y Ø8/10	583	-58809	SLD 15	14888	55098	47918	2.5	82.26	465	-55261	SLD 11	14019	48385	52098	2.5	104.03	Si
360	5X/2Y Ø8/10	583	-58679	SLD 15	14872	55098	47901	2.5	82.23	465	-55131	SLD 11	14001	48385	52079	2.5	104.03	Si
380	5X/2Y Ø8/10	-1875	-29151	SLD 1	11196	55098	44098	2.5	23.51	-698	-36045	SLD 9	11393	48385	49381	2.5	69.36	Si
409	5X/2Y Ø8/10	-1875	-29023	SLD 1	11180	55098	44081	2.5	23.51	-698	-35916	SLD 9	11375	48385	49363	2.5	69.36	Si
438	5X/2Y Ø8/10	-1875	-28892	SLD 1	11164	55098	44065	2.5	23.5	-698	-35786	SLD 9	11358	48385	49344	2.5	69.36	Si
467	5X/2Y Ø8/14.4	-1875	-28762	SLD 1	11147	38145	44048	2.5	20.34	-698	-35655	SLD 9	11340	33497	49326	2.5	48.02	Si
496	5X/2Y Ø8/14.4	-1875	-28631	SLD 1	11131	38145	44031	2.5	20.34	-698	-35525	SLD 9	11322	33497	49308	2.5	48.02	Si
525	5X/2Y Ø8/14.4	-1875	-28501	SLD 1	11115	38145	44014	2.5	20.34	-698	-35394	SLD 9	11304	33497	49289	2.5	48.02	Si
554	5X/2Y Ø8/14.4	-1875	-28370	SLD 1	11099	38145	43997	2.5	20.34	-698	-35264	SLD 9	11286	33497	49271	2.5	48.02	Si
583	5X/2Y Ø8/14.4	-1875	-28240	SLD 1	11082	38145	43981	2.5	20.34	-698	-35133	SLD 9	11268	33497	49252	2.5	48.02	Si
612	5X/2Y Ø8/10	-1875	-28109	SLD 1	11066	55098	43964	2.5	23.44	-698	-35003	SLD 9	11251	48385	49234	2.5	69.36	Si
641	5X/2Y Ø8/10	-1875	-27979	SLD 1	11050	55098	43947	2.5	23.43	-698	-34872	SLD 9	11233	48385	49215	2.5	69.36	Si
670	5X/2Y Ø8/10	-1875	-27848	SLD 1	11034	55098	43930	2.5	23.43	-698	-34742	SLD 9	11215	48385	49197	2.5	69.36	Si
690	5X/2Y Ø8/10	-1810	-20329	SLD 1	10097	53996	43590	2.45	24.08	-774	-24793	SLD 9	9855	48385	47790	2.5	61.74	Si
719	5X/2Y Ø8/10	-1810	-20200	SLD 1	10081	53996	43574	2.45	24.07	-774	-24665	SLD 9	9838	48385	47772	2.5	61.72	Si
748	5X/2Y Ø8/10	-1810	-20070	SLD 1	10065	53996	43557	2.45	24.06	-774	-24534	SLD 9	9820	48385	47754	2.5	61.69	Si
777	5X/2Y Ø8/14.4	-1810	-19939	SLD 1	10049	38145	42911	2.5	21.07	-774	-24404	SLD 9	9802	33497	47735	2.5	43.28	Si
806	5X/2Y Ø8/14.4	-1810	-19809	SLD 1	10033	38145	42895	2.5	21.07	-774	-24273	SLD 9	9784	33497	47717	2.5	43.28	Si
835	5X/2Y Ø8/14.4	-1810	-19678	SLD 1	10016	38145	42878	2.5	21.07	-774	-24143	SLD 9	9766	33497	47698	2.5	43.28	Si
864	5X/2Y Ø8/14.4	-1810	-19548	SLD 1	10000	38145	42861	2.5	21.07	-774	-24012	SLD 9	9749	33497	47680	2.5	43.28	Si
893	5X/2Y Ø8/14.4	-1810	-19417	SLD 1	9984	38145	42844	2.5	21.07	-774	-23882	SLD 9	9731	33497	47661	2.5	43.28	Si
922	5X/2Y Ø8/10	-1810	-19287	SLD 1	9968	53996	43454	2.45	24.01	-774	-23751	SLD 9	9713	48385	47643	2.5	61.55	Si
951	5X/2Y Ø8/10	-1810	-19156	SLD 1	9951	53996	43437	2.45	24	-774	-23621	SLD 9	9695	48385	47625	2.5	61.53	Si
980	5X/2Y Ø8/10	-1810	-19028	SLD 1	9935	53996	43420	2.45	23.99	-774	-23492	SLD 9	9678	48385	47606	2.5	61.5	Si
1000	4X/2Y Ø8/10	-2097	-11835	SLD 1	7779	44078	35144	2.5	16.76	685	-16258	SLD 11	7783	39534	38438	2.5	56.1	Si
1029	4X/2Y Ø8/10	-2097	-11726	SLD 1	7765	44078	35130	2.5	16.75	685	-16149	SLD 11	7769	39534	38423	2.5	56.07	Si
1058	4X/2Y Ø8/10	-2097	-11618	SLD 1	7752	44078	35116	2.5	16.75	685	-16041	SLD 11	7754	39534	38408	2.5	56.05	Si
1087	4X/2Y Ø8/14.4	-2097	-11509	SLD 1	7738	30516	35102	2.5	14.55	685	-15932	SLD 11	7739	27370	38392	2.5	39.94	Si
1116	4X/2Y Ø8/14.4	-2097	-11400	SLD 1	7725	30516	35088	2.5	14.55	685	-15823	SLD 11	7725	27370	38377	2.5	39.94	Si
1145	4X/2Y Ø8/14.4	-2097	-11291	SLD 1	7711	30516	35074	2.5	14.55	685	-15714	SLD 11	7710	27370	38362	2.5	39.94	Si
1174	4X/2Y Ø8/14.4	-2097	-11183	SLD 1	7698	30516	35060	2.5	14.55	685	-15606	SLD 11	7696	27370	38347	2.5	39.94	Si
1203	4X/2Y Ø8/14.4	-2097	-11074	SLD 1	7684	30516	35046	2.5	14.55	685	-15497	SLD 11	7681	27370	38332	2.5	39.94	Si
1232	4X/2Y Ø8/10	-2097	-10965	SLD 1	7671	44078	35032	2.5	16.71	685	-15388	SLD 11	7667	39534	38317	2.5	55.92	Si
1261	4X/2Y Ø8/10	-2097	-10856	SLD 1	7657	44078	35018	2.5	16.7	685	-15279	SLD 11	7652	39534	38302	2.5	55.9	Si
1290	4X/2Y Ø8/10	-2097	-10749	SLD 1	7644	44078	35004	2.5	16.69	685	-15172	SLD 11	7638	39534	38287	2.5	55.88	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	-46250	-111774	-54673	SLE RA 7	-39.6	-46250	-111774	-54673	SLE RA 7	-531.8	Si
-111	-40656	-101707	-54543	SLE RA 7	-37.7	-40656	-101707	-54543	SLE RA 7	-509.3	Si
-81	-34965	-91467	-54410	SLE RA 7	-35.9	-34965	-91467	-54410	SLE RA 7	-489.6	Si
-52	-29275	-81226	-54278	SLE RA 7	-34.6	-29275	-81226	-54278	SLE RA 7	-476.3	Si
-22	-23584	-70985	-54146	SLE RA 7	-33.4	-14265	-51550	-57601	SLE RA 13	-465	Si
7	-17894	-60744	-54013	SLE RA 7	-32.1	-10939	-45347	-57468	SLE RA 13	-456.7	Si
36	-7614	-39145	-57336	SLE RA 13	-31.2	-7614	-39145	-57336	SLE RA 13	-448.3	Si
66	-4289	-32943	-57204	SLE RA 13	-30.4	-4289	-32943	-57204	SLE RA 13	-439.9	Si
95	-963	-26740	-57071	SLE RA 13	-29.6	-963	-26740	-57071	SLE RA 13	-431.8	Si
125	-939	-20013	-57199	SLE RA 12	-29.1	-939	-20013	-57199	SLE RA 12	-426.7	Si
154	-902	-19622	-57067	SLE RA 12	-29	-902	-19622	-57067	SLE RA 12	-425.4	Si
184	-866	-19232	-56935	SLE RA 12	-28.9	-866	-19232	-56935	SLE RA 12	-424	Si
213	-829	-18838	-56801	SLE RA 12	-28.8	-829	-18838	-56801	SLE RA 12	-422.7	Si
242	-793	-18451	-56670	SLE RA 12	-28.7	-793	-18451	-56670	SLE RA 12	-421.4	Si
272	33321	31423	-52822	SLE RA 7	-29.6	33321	31423	-52822	SLE RA 7	-424.3	Si
301	39012	41664	-52690	SLE RA 7	-30.7	39012	41664	-52690	SLE RA 7	-435.7	Si
331	44702	51905	-52557	SLE RA 7	-31.9	44702	51905	-52557	SLE RA 7	-447.1	Si
360	50296	61972	-52427	SLE RA 7	-33	50296	61972	-52427	SLE RA 7	-458.4	Si
380	154728	121688	-42669	SLE RA 13	-38.8	154728	121688	-42669	SLE RA 13	-502.5	Si
409	133834	100125	-42541	SLE RA 13	-35.7	133834	100125	-42541	SLE RA 13	-470.3	Si
438	112573	78183	-42411	SLE RA 13	-32.7	112573	78183	-42411	SLE RA 13	-437.6	Si
467	91313	56242	-42280	SLE RA 13	-29.6	91313	56242	-42280	SLE RA 13	-404.8	Si
496	70052	34300	-42150	SLE RA 13	-26.5	70052	34300	-42150	SLE RA 13	-372.1	Si
525	48792	12359	-42019	SLE RA 13	-23.4	48792	12359	-42019	SLE RA 13	-339.3	Si
554	18769	-15105	-42444	SLE RA 12	-22.5	18769	-15105	-42444	SLE RA 12	-327.3	Si
583	942	-37471	-42313	SLE RA 12	-23.6	942	-37471	-42313	SLE RA 12	-336.2	Si
612	-16886	-59836	-42183	SLE RA 12	-26.3	-16886	-59836	-42183	SLE RA 12	-363.8	Si
641	-34713	-82202	-42052	SLE RA 12	-29.2	-34713	-82202	-42052	SLE RA 12	-393.1	Si
670	-52540	-104567	-41922	SLE RA 12	-32	-52540	-104567	-41922	SLE RA 12	-422.4	Si
690	82180	118411	-30027	SLE RA 12	-29	82180	118411	-30027	SLE RA 12	-367	Si
719	62690	94639	-29899	SLE RA 12	-25.9	62690	94639	-29899	SLE RA 12	-333.7	Si
748	42857	70449	-29769	SLE RA 12	-22.6	42857	70449	-29769	SLE RA 12	-299.8	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
777	23025	46259	-29638	SLE RA 12	-19.4	23025	46259	-29638	SLE RA 12	-265.9	Si
806	3193	22070	-29508	SLE RA 12	-16.2	3193	22070	-29508	SLE RA 12	-232	Si
835	-16639	-2120	-29377	SLE RA 12	-15	-16639	-2120	-29377	SLE RA 12	-221.3	Si
864	-36471	-26310	-29247	SLE RA 12	-18.1	-36471	-26310	-29247	SLE RA 12	-253.3	Si
893	-56303	-50499	-29116	SLE RA 12	-21.1	-56303	-50499	-29116	SLE RA 12	-285.3	Si
922	-76135	-74689	-28986	SLE RA 12	-24.2	-76135	-74689	-28986	SLE RA 12	-317.4	Si
951	-95967	-98879	-28855	SLE RA 12	-27.3	-95967	-98879	-28855	SLE RA 12	-348.7	Si
980	-115458	-122651	-28727	SLE RA 12	-28.6	-115458	-122651	-28727	SLE RA 12	-361.8	Si
1000	14561	147023	-16901	SLE RA 11	-25.9	12979	146859	-17119	SLE RA 13	-303.3	Si
1029	26444	115244	-17010	SLE RA 13	-23.9	26444	115244	-17010	SLE RA 13	-286.6	Si
1058	39909	83629	-16901	SLE RA 13	-21.7	39909	83629	-16901	SLE RA 13	-267.3	Si
1087	53374	52014	-16793	SLE RA 13	-19.1	53374	52014	-16793	SLE RA 13	-243.4	Si
1116	65261	20440	-16944	SLE RA 12	-16.5	65261	20440	-16944	SLE RA 12	-220.6	Si
1145	79931	-10506	-16835	SLE RA 12	-16.3	79931	-10506	-16835	SLE RA 12	-220.9	Si
1174	94601	-41452	-16727	SLE RA 12	-20.7	94601	-41452	-16727	SLE RA 12	-264.9	Si
1203	109271	-72398	-16618	SLE RA 12	-25	109271	-72398	-16618	SLE RA 12	-308.9	Si
1232	123941	-103343	-16509	SLE RA 12	-29.4	123941	-103343	-16509	SLE RA 12	-352.9	Si
1261	134164	-137676	-16140	SLE RA 13	-39.7	134164	-137676	-16140	SLE RA 13	-447.1	Si
1290	147397	-168746	-16033	SLE RA 13	-44	153028	-164702	-16293	SLE RA 12	-483.7	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	-3320	-23293	-50516	SLE QP 2	-27.1	Si
-111	-2953	-22640	-50386	SLE QP 2	-26.5	Si
-81	-2581	-21975	-50254	SLE QP 2	-26	Si
-52	-2208	-21310	-50122	SLE QP 2	-25.9	Si
-22	-1836	-20646	-49989	SLE QP 2	-25.8	Si
7	-1463	-19981	-49857	SLE QP 2	-25.6	Si
36	-1091	-19316	-49725	SLE QP 2	-25.5	Si
66	-718	-18652	-49592	SLE QP 2	-25.3	Si
95	-346	-17987	-49460	SLE QP 2	-25.2	Si
125	27	-17322	-49328	SLE QP 2	-25.1	Si
154	399	-16658	-49195	SLE QP 2	-25	Si
184	772	-15993	-49063	SLE QP 2	-24.8	Si
213	1148	-15322	-48929	SLE QP 2	-24.7	Si
242	1517	-14663	-48798	SLE QP 2	-24.6	Si
272	1889	-13999	-48666	SLE QP 2	-24.5	Si
301	2262	-13334	-48533	SLE QP 2	-24.4	Si
331	2634	-12669	-48401	SLE QP 2	-24.3	Si
360	3000	-12016	-48271	SLE QP 2	-24.2	Si
380	99932	100564	-37111	SLE QP 2	-31.6	Si
409	86076	82003	-36982	SLE QP 2	-29.2	Si
438	71976	63117	-36852	SLE QP 2	-26.7	Si
467	57876	44230	-36721	SLE QP 2	-24.3	Si
496	43777	25344	-36591	SLE QP 2	-21.8	Si
525	29677	6457	-36460	SLE QP 2	-19.3	Si
554	15577	-12429	-36330	SLE QP 2	-19.2	Si
583	1478	-31315	-36199	SLE QP 2	-20.2	Si
612	-12622	-50202	-36069	SLE QP 2	-22.4	Si
641	-26721	-69088	-35938	SLE QP 2	-24.7	Si
670	-40821	-87974	-35808	SLE QP 2	-27	Si
690	63522	100092	-25537	SLE QP 2	-24.3	Si
719	48444	79996	-25409	SLE QP 2	-21.7	Si
748	33101	59548	-25278	SLE QP 2	-19	Si
777	17759	39100	-25148	SLE QP 2	-16.4	Si
806	2416	18652	-25017	SLE QP 2	-13.7	Si
835	-12927	-1796	-24887	SLE QP 2	-12.6	Si
864	-28269	-22245	-24756	SLE QP 2	-15.2	Si
893	-43612	-42693	-24626	SLE QP 2	-17.7	Si
922	-58955	-63141	-24495	SLE QP 2	-20.2	Si
951	-74298	-83589	-24365	SLE QP 2	-22.7	Si
980	-89376	-103685	-24237	SLE QP 2	-23.8	Si
1000	4410	120364	-14428	SLE QP 2	-21.1	Si
1029	16051	94614	-14319	SLE QP 2	-19.5	Si
1058	27692	68864	-14211	SLE QP 2	-17.7	Si
1087	39333	43115	-14102	SLE QP 2	-15.6	Si
1116	50974	17365	-13993	SLE QP 2	-13.4	Si
1145	62615	-8384	-13884	SLE QP 2	-13.2	Si
1174	74256	-34134	-13776	SLE QP 2	-16.8	Si
1203	85897	-59884	-13667	SLE QP 2	-20.4	Si
1232	97538	-85633	-13558	SLE QP 2	-23.9	Si
1261	109179	-111383	-13449	SLE QP 2	-27.5	Si
1290	120619	-136688	-13343	SLE QP 2	-35.7	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

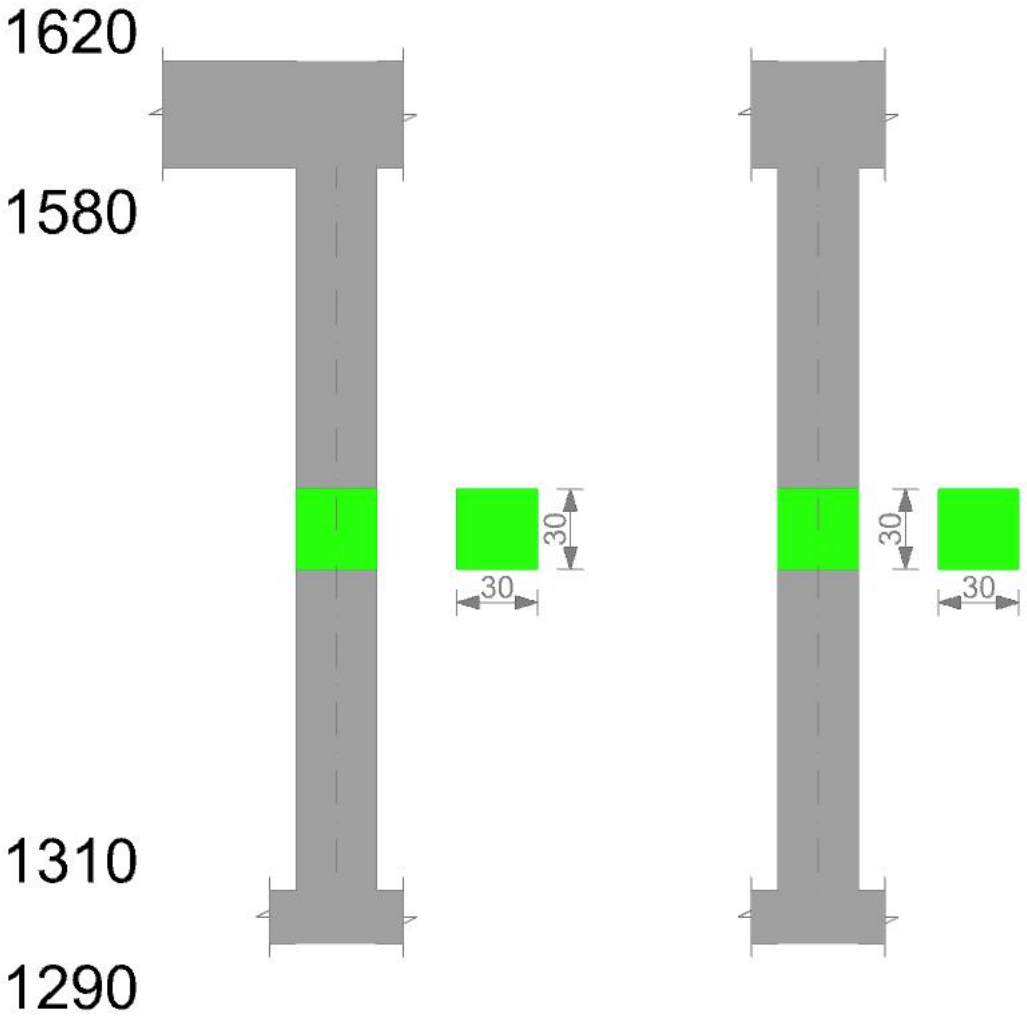
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.

Pilastro 50b

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1310	1580	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.59	-9.59	1.8	2.545	1300	1310	R 30x30_1	B450C
p.1	9.59	-9.59	1.8	2.545	1300	1310	R 30x30_1	B450C
p.1	9.59	9.59	1.8	2.545	1300	1310	R 30x30_1	B450C
p.1	-9.59	9.59	1.8	2.545	1300	1310	R 30x30_1	B450C
p.2	-9.67	-9.67	1.6	2.011	1300	1600	R 30x30_1	B450C
p.2	9.67	-9.67	1.6	2.011	1300	1600	R 30x30_1	B450C
p.2	9.67	9.67	1.6	2.011	1300	1600	R 30x30_1	B450C
p.2	-9.67	9.67	1.6	2.011	1300	1600	R 30x30_1	B450C
p.3	-9.9	0	1.6	2.011	1290	1310	R 30x30_1	B450C
p.3	9.9	0	1.6	2.011	1290	1310	R 30x30_1	B450C
p.4	-9.9	0	1.6	2.011	1310.1	1620	R 30x30_1	B450C
p.4	9.9	0	1.6	2.011	1310.1	1620	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1310	15.79	2.5	0	1,2,3	-326763	-166110	-5918	-670499	-340849	SLU 51	2.052	Si
1340	15.18	2.9	0	1,2,3,4	-274956	-140305	-5830	-662786	-338206	SLU 51	2.411	Si
1370	12.06	1.3	0	2,4	-223150	-114499	-5743	-567401	-291136	SLU 51	2.543	Si
1400	12.06	1.3	0	2,4	-171343	-88694	-5655	-592362	-306629	SLU 51	3.457	Si
1430	12.06	1.3	0	2,4	-118199	-62657	-5082	-612271	-324564	SLU 50	5.18	Si
1460	12.06	1.3	0	2,4	-67198	-39139	-4994	-645024	-375692	SLU 50	9.599	Si
1490	12.06	1.3	0	2,4	-16493	-12467	-5328	-440623	-333058	SLU 52	26.716	Si
1520	12.06	1.3	0	2,4	33261	19104	-5417	622626	357620	SLU 47	18.72	Si
1550	12.06	1.3	0	2,4	87689	40333	-5216	669508	307943	SLU 51	7.635	Si
1580	12.06	1.3	0	2,4	138632	65708	-5130	616676	292289	SLU 51	4.448	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene

eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1310	15.79	2.5	0	1,2,3	-503203	-121302	-4555	-2.02	1.92	-528291	-127350	SLV 1	1.05				Si
1340	15.18	2.9	0	1,2,3,4	-420569	-22253	-4487	-2.02	1.92	-566481	-29973	SLV 1	1.347				Si
1370	12.06	1.3	0	2,4	-337938	-17125	-4420	-2.02	1.92	-455872	-23101	SLV 1	1.349				Si
1400	12.06	1.3	0	2,4	-255312	-23531	-4352	-2.02	1.92	-466295	-42977	SLV 1	1.826				Si
1430	12.06	1.3	0	2,4	-172700	-31901	-4285	-2.02	1.92	-482536	-89133	SLV 1	2.794				Si
1460	12.06	1.3	0	2,4	-90144	6079	-5124	-2.02	1.92	-670013	45186	SLV 3	7.433				Si
1490	12.06	1.3	0	2,4	-4702	-78740	-1113	-2.02	1.92	-33829	-566522	SLV 9	7.195				Si
1520	12.06	1.3	0	2,4	28916	-95616	-1045	-2.02	1.92	141034	-466364	SLV 9	4.877				Si
1550	12.06	1.3	0	2,4	124160	-77966	-1891	-2.02	1.92	356424	-223814	SLV 5	2.871				Si
1580	12.06	1.3	0	2,4	239247	65099	-3949	-2.02	1.92	426105	115944	SLV 1	1.781				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1310	15.79	2.5	0	1,2,3	-311354	-106717	-3903	-517480	-177367	SLD 1	1.662	Si
1340	15.18	2.9	0	1,2,3,4	-260894	-52522	-3836	-546552	-110030	SLD 1	2.095	Si
1370	12.06	1.3	0	2,4	-210436	-42223	-3768	-446816	-89651	SLD 1	2.123	Si
1400	12.06	1.3	0	2,4	-159980	-37520	-3701	-462755	-108529	SLD 1	2.893	Si
1430	12.06	1.3	0	2,4	-109530	-34289	-3633	-490999	-153710	SLD 1	4.483	Si
1460	12.06	1.3	0	2,4	-53509	-19212	-3566	-560220	-201140	SLD 1	10.47	Si
1490	12.06	1.3	0	2,4	-7423	-37440	-2272	-136019	-686060	SLD 9	18.324	Si
1520	12.06	1.3	0	2,4	36532	38244	-3806	398102	416754	SLD 3	10.897	Si
1550	12.06	1.3	0	2,4	81534	62978	-3739	423846	327384	SLD 3	5.198	Si
1580	12.06	1.3	0	2,4	125790	87361	-3672	386811	268640	SLD 3	3.075	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	3X/2Y Ø8/18.1	860	-5918	SLU 51	4520	18240	20934	2.5	21.2	1727	-5918	SLU 51	4490	12046	20737	2.5	6.98	Si
1340	3X/2Y Ø8/18.1	860	-5830	SLU 51	4509	18240	20923	2.5	21.2	1727	-5830	SLU 51	4479	12046	20726	2.5	6.98	Si
1370	3X/2Y Ø8/18.1	860	-5743	SLU 51	4498	18240	20911	2.5	21.2	1727	-5743	SLU 51	4468	12046	20715	2.5	6.98	Si
1400	3X/2Y Ø8/18.1	860	-5655	SLU 51	4487	18240	20900	2.5	21.2	1727	-5655	SLU 51	4458	12046	20703	2.5	6.98	Si
1430	3X/2Y Ø8/18.1	860	-5567	SLU 51	4476	18240	20889	2.5	21.2	1727	-5567	SLU 51	4447	12046	20692	2.5	6.98	Si
1460	3X/2Y Ø8/18.1	860	-5479	SLU 51	4465	18240	20877	2.5	21.2	1727	-5479	SLU 51	4436	12046	20681	2.5	6.98	Si
1490	3X/2Y Ø8/18.1	860	-5392	SLU 51	4454	18240	20866	2.5	21.2	1727	-5392	SLU 51	4425	12046	20670	2.5	6.98	Si
1520	3X/2Y Ø8/18.1	860	-5304	SLU 51	4444	18240	20855	2.5	21.2	1727	-5304	SLU 51	4414	12046	20659	2.5	6.98	Si
1550	3X/2Y Ø8/18.1	860	-5216	SLU 51	4433	18240	20844	2.5	21.2	1727	-5216	SLU 51	4404	12046	20647	2.5	6.98	Si
1580	3X/2Y Ø8/18.1	860	-5130	SLU 51	4422	18240	20832	2.5	21.2	1727	-5130	SLU 51	4393	12046	20636	2.5	6.98	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	3X/2Y Ø8/18.1	1556	-5453	SLV 7	4462	18240	20874	2.5	11.72	2755	-4555	SLV 1	4322	12046	20563	2.5	4.37	Si
1340	3X/2Y Ø8/18.1	1556	-5385	SLV 7	4454	18240	20865	2.5	11.72	2755	-4487	SLV 1	4314	12046	20554	2.5	4.37	Si
1370	3X/2Y Ø8/18.1	1556	-5318	SLV 7	4445	18240	20857	2.5	11.72	2755	-4420	SLV 1	4305	12046	20546	2.5	4.37	Si
1400	3X/2Y Ø8/18.1	1556	-5250	SLV 7	4437	18240	20848	2.5	11.72	2755	-4352	SLV 1	4297	12046	20537	2.5	4.37	Si
1430	3X/2Y Ø8/18.1	1556	-5183	SLV 7	4428	18240	20839	2.5	11.72	2755	-4285	SLV 1	4289	12046	20529	2.5	4.37	Si
1460	3X/2Y Ø8/18.1	1556	-5115	SLV 7	4420	18240	20831	2.5	11.72	2755	-4217	SLV 1	4280	12046	20520	2.5	4.37	Si
1490	3X/2Y Ø8/18.1	1556	-5048	SLV 7	4412	18240	20822	2.5	11.72	2755	-4150	SLV 1	4272	12046	20511	2.5	4.37	Si
1520	3X/2Y Ø8/18.1	1556	-4980	SLV 7	4403	18240	20813	2.5	11.72	2755	-4082	SLV 1	4264	12046	20503	2.5	4.37	Si
1550	3X/2Y Ø8/18.1	1556	-4913	SLV 7	4395	18240	20804	2.5	11.72	2755	-4015	SLV 1	4255	12046	20494	2.5	4.37	Si
1580	3X/2Y Ø8/18.1	1556	-4846	SLV 7	4387	18240	20796	2.5	11.72	2755	-3949	SLV 1	4247	12046	20486	2.5	4.37	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	3X/2Y Ø8/18.1	966	-4293	SLD 7	4318	18240	20725	2.5	18.88	1682	-3903	SLD 1	4242	12046	20480	2.5	7.16	Si
1340	3X/2Y Ø8/18.1	966	-4226	SLD 7	4309	18240	20716	2.5	18.88	1682	-3836	SLD 1	4233	12046	20471	2.5	7.16	Si
1370	3X/2Y Ø8/18.1	966	-4158	SLD 7	4301	18240	20707	2.5	18.88	1682	-3768	SLD 1	4225	12046	20463	2.5	7.16	Si
1400	3X/2Y Ø8/18.1	966	-4091	SLD 7	4293	18240	20699	2.5	18.88	1682	-3701	SLD 1	4217	12046	20454	2.5	7.16	Si
1430	3X/2Y Ø8/18.1	966	-4023	SLD 7	4284	18240	20690	2.5	18.88	1682	-3633	SLD 1	4208	12046	20445	2.5	7.16	Si
1460	3X/2Y Ø8/18.1	966	-3956	SLD 7	4276	18240	20681	2.5	18.88	1682	-3566	SLD 1	4200	12046	20437	2.5	7.16	Si
1490	3X/2Y Ø8/18.1	966	-3888	SLD 7	4267	18240	20672	2.5	18.88	1682	-3498	SLD 1	4192	12046	20428	2.5	7.16	Si
1520	3X/2Y Ø8/18.1	966	-3821	SLD 7	4259	18240	20664	2.5	18.88	1682	-3431	SLD 1	4183	12046	20420	2.5	7.16	Si
1550	3X/2Y Ø8/18.1	966	-3753	SLD 7	4251	18240	20655	2.5	18.88	1682	-3363	SLD 1	4175	12046	20411	2.5	7.16	Si
1580	3X/2Y Ø8/18.1	966	-3687	SLD 7	4242	18240	20647	2.5	18.88	1682	-3297	SLD 1	4167	12046	20402	2.5	7.16	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1310	-229347	-117736	-4247	SLE RA 12	-105.4	-229347	-117736	-4247	SLE RA 12	1767.7	Si
1340	-192950	-99427	-4180	SLE RA 12	-90.4	-192950	-99427	-4180	SLE RA 12	1496.2	Si
1370	-156554	-81118	-4112	SLE RA 12	-83.5	-156554	-81118	-4112	SLE RA 12	1452.2	Si
1400	-120157	-62810	-4045	SLE RA 12	-63.6	-118728	-61130	-3721	SLE RA 11	1043	Si
1430	-84015	-44207	-3935	SLE RA 13	-43.6	-82868	-44347	-3654	SLE RA 11	639.2	Si
1460	-47681	-26441	-3867	SLE RA 13	-17.3	-47681	-26441	-3867	SLE RA 13	-186.7	Si
1490	-11149	-10779	-3519	SLE RA 11	-7.3	-11346	-8676	-3800	SLE RA 13	-88.5	Si
1520	23682	13476	-3850	SLE RA 8	-10.5	23682	13476	-3850	SLE RA 8	-120.1	Si
1550	61827	28734	-3707	SLE RA 12	-20.3	61827	28734	-3707	SLE RA 12	-214.4	Si
1580	97617	46738	-3641	SLE RA 12	-49.9	97617	46738	-3641	SLE RA 12	787.7	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1310	-187399	-93803	-3485	SLE QP 2	-85.4	Si
1340	-157710	-79365	-3418	SLE QP 2	-73.3	Si
1370	-128021	-64928	-3350	SLE QP 2	-67.8	Si
1400	-98332	-50490	-3283	SLE QP 2	-51.7	Si
1430	-68643	-36052	-3215	SLE QP 2	-35.6	Si
1460	-38953	-21615	-3148	SLE QP 2	-14.2	Si
1490	-9264	-7177	-3080	SLE QP 2	-5.9	Si
1520	20425	7261	-3013	SLE QP 2	-8	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
1550	50114	21698	-2945	SLE QP 2	-16.1	Si
1580	79309	35895	-2879	SLE QP 2	-39.9	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1310	-198514	-99559	-3623	SLE FR 6	-119177	-59770	-59770	1524.6	185.5	0.0534	27.67	0.0125	Si	Si
1340	-167044	-84296	-3555	SLE FR 6	-119195	-60149	-60149	1292.8	183.5	0.0523	26.54	0.01	Si	Si
1370	-135574	-69033	-3488	SLE FR 6	-114554	-58329	-58329	1258.9	193.1	0.0417	27.2	0.01	Si	Si
1400	-104104	-53769	-3420										No	Si
1430	-72634	-38506	-3353										No	Si
1460	-41164	-23243	-3285										No	Si
1490	-9580	-7837	-3045										No	Si
1520	20536	8495	-3125										No	Si
1550	53246	22547	-3083										No	Si
1580	84191	37555	-3016										No	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1310	-187399	-93803	-3485	SLE QP 2	-119404	-59768	-59768	1433.9	185.2	0.0535	27.66	0.0115	Si	Si
1340	-157710	-79365	-3418	SLE QP 2	-119475	-60124	-60124	1215.2	183.3	0.0524	26.53	0.0094	Si	Si
1370	-128021	-64928	-3350	SLE QP 2	-114898	-58272	-58272	1182.1	192.9	0.0417	27.19	0.0094	Si	Si
1400	-98332	-50490	-3283										No	Si
1430	-68643	-36052	-3215										No	Si
1460	-38953	-21615	-3148										No	Si
1490	-9264	-7177	-3080										No	Si
1520	20425	7261	-3013										No	Si
1550	50114	21698	-2945										No	Si
1580	79309	35895	-2879										No	Si

Verifiche nodi trave colonna

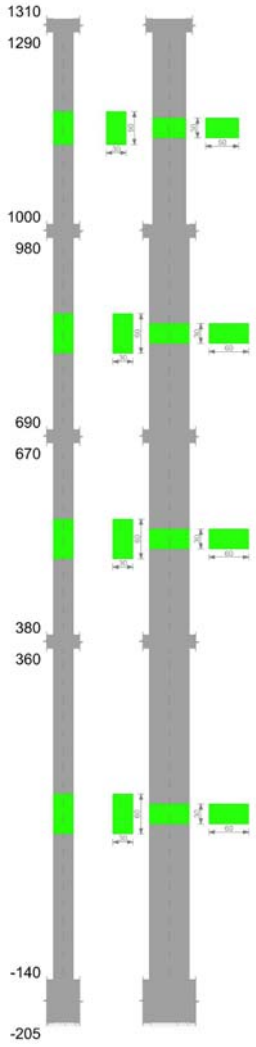
Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1300 in quanto elemento di base della pilastrata.
per il nodo Appoggio 1600 in quanto elemento di estremità superiore alla pilastrata.

Pilastro 51

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60_1	No	No	No	No		C30/37	B450C	
380	670	R 30x60_1	No	No	No	No		C30/37	B450C	
690	980	R 30x60_1	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.9	8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.9	8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2	0	1,2	468234	-391747	-144423	926924	-775508	SLU 52	1.98	Si
-111	18.42	2	0	1,2	422716	-391288	-144254	864570	-800290	SLU 52	2.045	Si
-81	20.11	1.1	0	2	390821	-390821	-144082	818158	-818158	SLU 52	2.093	Si
-52	20.11	1.1	0	2	390355	-390355	-143910	818158	-818158	SLU 52	2.096	Si
-22	20.11	1.1	0	2	389888	-389888	-143738	818158	-818158	SLU 52	2.098	Si
7	20.11	1.1	0	2	389421	-389421	-143565	818158	-818158	SLU 52	2.101	Si
36	20.11	1.1	0	2	388955	388955	-143393	818158	818158	SLU 52	2.103	Si
66	20.11	1.1	0	2	388488	388488	-143221	818158	818158	SLU 52	2.106	Si
95	20.11	1.1	0	2	388021	388021	-143049	818158	818158	SLU 52	2.109	Si
125	20.11	1.1	0	2	387554	387554	-142877	818158	818158	SLU 52	2.111	Si
154	20.11	1.1	0	2	387088	387088	-142705	818158	818158	SLU 52	2.114	Si
184	20.11	1.1	0	2	-386621	386621	-142533	-818158	818158	SLU 52	2.116	Si
213	20.11	1.1	0	2	-386150	386150	-142359	-818158	818158	SLU 52	2.119	Si
242	20.11	1.1	0	2	-385688	385688	-142189	-818158	818158	SLU 52	2.121	Si
272	20.11	1.1	0	2	-385221	385221	-142017	-818158	818158	SLU 52	2.124	Si
301	20.11	1.1	0	2	-384754	384754	-141845	-818158	818158	SLU 52	2.126	Si
331	20.11	1.1	0	2	-384287	384287	-141673	-818158	818158	SLU 52	2.129	Si
360	20.11	1.1	0	2	-383829	383829	-141504	-818158	818158	SLU 52	2.132	Si
380	20.11	2.2	0	2,3	-291477	-215545	-107772	-861701	-637220	SLU 52	2.956	Si
409	20.11	2.2	0	2,3	-260703	-215211	-107606	-777525	-641849	SLU 52	2.982	Si
438	20.11	1.1	0	3	-229390	-214872	-107436	-689350	-645723	SLU 52	3.005	Si
467	20.11	1.1	0	3	-214533	214533	-107266	-647491	647491	SLU 52	3.018	Si
496	20.11	1.1	0	3	-214193	214193	-107097	-647491	647491	SLU 52	3.023	Si
525	20.11	1.1	0	3	-213854	213854	-106927	-647491	647491	SLU 52	3.028	Si
554	20.11	1.1	0	3	-213515	213515	-106757	-647491	647491	SLU 52	3.033	Si
583	20.11	1.1	0	3	-213176	213176	-106588	-647491	647491	SLU 52	3.037	Si
612	20.11	1.1	0	3	-212836	212836	-106418	-647491	647491	SLU 52	3.042	Si
641	20.11	1.1	0	3	-212497	212497	-106248	-647491	647491	SLU 52	3.047	Si
670	20.11	1.1	0	3	212163	212163	-106082	647491	647491	SLU 52	3.052	Si
690	20.11	2.2	0	3,4,6,7	-145367	-145367	-72684	-647491	-647491	SLU 52	4.454	Si
719	20.11	2.2	0	3,4,6,7	-145028	-145028	-72514	-647491	-647491	SLU 52	4.465	Si
748	20.11	1.1	0	4,6,7	-144689	-144689	-72344	-647491	-647491	SLU 52	4.475	Si
777	20.11	1.1	0	4,6,7	-144350	-144350	-72175	-647491	-647491	SLU 52	4.486	Si
806	20.11	1.1	0	4,6,7	-144010	-144010	-72005	-647491	-647491	SLU 52	4.496	Si
835	20.11	1.1	0	4,6,7	-143671	-143671	-71835	-647491	-647491	SLU 52	4.507	Si
864	20.11	1.1	0	4,6,7	-143332	143332	-71666	-647491	647491	SLU 52	4.517	Si
893	20.11	1.1	0	4,6,7	-142992	142992	-71496	-647491	647491	SLU 52	4.528	Si
922	20.11	1.1	0	4,6,7	-142653	142653	-71327	-647491	647491	SLU 52	4.539	Si
951	20.37	1.6	0	4,5,6,7	-142314	142314	-71157	-649217	649217	SLU 52	4.562	Si
980	27.42	2	0	4,5,6,7	-141980	141980	-70990	-695580	695580	SLU 52	4.899	Si
1000	20.11	2.4	0	5,6,7,8,9	-76112	-76112	-38056	-556148	-556148	SLU 52	7.307	Si
1029	17.8	2.4	0	5,6,7,8,9	-75830	-75830	-37915	-541580	-541580	SLU 52	7.142	Si
1058	16.08	1.1	0	8,9	-75547	-75547	-37773	-530708	-530708	SLU 52	7.025	Si
1087	16.08	1.1	0	8,9	-75264	-75264	-37632	-530708	-530708	SLU 52	7.051	Si
1116	16.08	1.1	0	8,9	-74981	74981	-37491	-530708	530708	SLU 52	7.078	Si
1145	16.08	1.1	0	8,9	74699	74699	-37349	530708	530708	SLU 52	7.105	Si
1174	16.08	1.1	0	8,9	74416	74416	-37208	530708	530708	SLU 52	7.132	Si
1203	16.08	1.1	0	8,9	74133	74133	-37067	530708	530708	SLU 52	7.159	Si
1232	16.08	1.1	0	8,9	73850	73850	-36925	530708	530708	SLU 52	7.186	Si
1261	16.08	1.1	0	8,9	73568	73568	-36784	530708	530708	SLU 52	7.214	Si
1290	22.11	2.1	0	8,9	73290	73290	-36645	569616	569616	SLU 52	7.772	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	16.08	2	0	1,2	1532331	-202532	-90940	-2.02	1.92	2331006	-308095	SLV 15	1.521				Si
-111	18.42	2	0	1,2	1409414	-183722	-90810	-2.02	1.92	2361887	-307881	SLV 15	1.676				Si
-81	20.11	1.1	0	2	1284380	-164590	-90678	-2.02	1.92	2363397	-302863	SLV 15	1.84				Si
-52	20.11	1.1	0	2	1159361	-145461	-90545	-2.02	1.92	2315321	-290496	SLV 15	1.997				Si
-22	20.11	1.1	0	2	1034360	-126338	-90413	-2.02	1.92	2241741	-273808	SLV 15	2.167				Si
7	20.11	1.1	0	2	909385	-107222	-90281	-2.02	1.92	2136664	-251925	SLV 15	2.35				Si
36	20.11	1.1	0	2	784449	-88118	-90148	-2.02	1.92	1994769	-224075	SLV 15	2.543				Si
66	20.11	1.1	0	2	659576	-69035	-90016	-2.02	1.92	1811964	-189651	SLV 15	2.747				Si
95	20.11	1.1	0	2	534805	-49990	-89884	-2.02	1.92	1588502	-148484	SLV 15	2.97				Si
125	20.11	1.1	0	2	410229	-31029	-89751	-2.02	1.92	1325258	-100242	SLV 15	3.231				Si
154	20.11	1.1	0	2	286168	-12389	-89619	-2.02	1.92	1012398	-43829	SLV 15	3.538				Si
184	20.11	1.1	0	2	112721	2193	-91119	-2.02	1.92	407330	7925	SLV 11	3.614				Si
213	20.11	1.1	0	2	-24728	29495	-90986	-2.02	1.92	-89487	106741	SLV 11	3.619				Si
242	20.11	1.1	0	2	-74656	47630	-90855	-2.02	1.92	-270565	172619	SLV 11	3.624				Si
272	20.11	1.1	0	2	-221879	65977	-89090	-2.02	1.92	-781071	232255	SLV 15	3.52				Si
301	20.11	1.1	0	2	-345271	84942	-88957	-2.02	1.92	-1112844	273778	SLV 15	3.223				Si
331	20.11	1.1	0	2	-469644	103994	-88825	-2.02	1.92	-1394849	308863	SLV 15	2.97				Si
360	20.11	1.1	0	2	-592196	122755	-88695	-2.02	1.92	-1630732	338031	SLV 15	2.754				Si
380	20.11	2.2	0	2,3	296440	-199827	-67526	-2.02	1.92	1047757	-706283	SLV 15	3.534				Si
409	20.11	2.2	0	2,3	228101	-161190	-67397	-2.02	1.92	881284	-622767	SLV 15	3.864				Si
438	20.11	1.1	0	3	160013	-121920	-67267	-2.02	1.92	679837	-517995	SLV 15	4.249				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
467	20.11	1.1	0	3	78537	-82764	-67136	-2.02	1.92	374017	-394147	SLV 15	4.762				Si
496	20.11	1.1	0	3	-61267	-52793	-68039	-2.02	1.92	-296497	-255487	SLV 11	4.839				Si
525	20.11	1.1	0	3	-82021	-7368	-67909	-2.02	1.92	-397693	-35723	SLV 11	4.849				Si
554	20.11	1.1	0	3	-160314	38103	-66745	-2.02	1.92	-768533	182663	SLV 15	4.794				Si
583	20.11	1.1	0	3	-223457	76369	-66614	-2.02	1.92	-971509	332024	SLV 15	4.348				Si
612	20.11	1.1	0	3	-291194	115451	-66484	-2.02	1.92	-1152834	457070	SLV 15	3.959				Si
641	20.11	1.1	0	3	-360585	154695	-66353	-2.02	1.92	-1305761	560186	SLV 15	3.621				Si
670	20.11	1.1	0	3	-429531	193321	-66225	-2.02	1.92	-1423320	640601	SLV 15	3.314				Si
690	20.11	2.2	0	3,4,6,7	467722	-176915	-45222	-2.02	1.92	1770836	-669817	SLV 15	3.786				Si
719	20.11	2.2	0	3,4,6,7	373404	-140652	-45092	-2.02	1.92	1654376	-623161	SLV 15	4.431				Si
748	20.11	1.1	0	4,6,7	279779	-104445	-44961	-2.02	1.92	1446578	-540027	SLV 15	5.17				Si
777	20.11	1.1	0	4,6,7	187862	-68390	-44831	-2.02	1.92	1131087	-411766	SLV 15	6.021				Si
806	20.11	1.1	0	4,6,7	102236	-33043	-44700	-2.02	1.92	725225	-234395	SLV 15	7.094				Si
835	20.11	1.1	0	4,6,7	-4071	8222	-45030	-2.02	1.92	-29771	60123	SLV 11	7.312				Si
864	20.11	1.1	0	4,6,7	-128239	42864	-44439	-2.02	1.92	-869033	290478	SLV 15	6.777				Si
893	20.11	1.1	0	4,6,7	-214323	78544	-44309	-2.02	1.92	-1244614	456122	SLV 15	5.807				Si
922	20.11	1.1	0	4,6,7	-306337	114656	-44178	-2.02	1.92	-1530815	572955	SLV 15	4.997				Si
951	20.37	1.6	0	4,5,6,7	-399996	150882	-44048	-2.02	1.92	-1713786	646455	SLV 15	4.285				Si
980	27.42	2	0	4,5,6,7	-492702	186529	-43920	-2.02	1.92	-1962848	743104	SLV 15	3.984				Si
1000	20.11	2.4	0	5,6,7,8,9	-402422	113625	-20001	-2.02	1.92	-1524920	430567	SLV 1	3.789				Si
1029	17.8	2.4	0	5,6,7,8,9	-301106	85577	-19893	-2.02	1.92	-1503687	427359	SLV 1	4.994				Si
1058	16.08	1.1	0	8,9	164023	-81987	-23098	-2.02	1.92	1122474	-561070	SLV 15	6.843				Si
1087	16.08	1.1	0	8,9	78661	-45524	-22989	-2.02	1.92	739669	-428080	SLV 15	9.403				Si
1116	16.08	1.1	0	8,9	-27716	-8770	-22881	-2.02	1.92	-329199	-104166	SLV 15	11.878				Si
1145	16.08	1.1	0	8,9	-110489	28118	-22772	-2.02	1.92	-1029489	261994	SLV 15	9.318				Si
1174	16.08	1.1	0	8,9	-196866	64505	-22663	-2.02	1.92	-1331817	436385	SLV 15	6.765				Si
1203	16.08	1.1	0	8,9	313486	-82981	-19240	-2.02	1.92	1499571	-396944	SLV 1	4.784				Si
1232	16.08	1.1	0	8,9	414864	-111026	-19131	-2.02	1.92	1460273	-390799	SLV 1	3.52				Si
1261	16.08	1.1	0	8,9	516413	-139080	-19023	-2.02	1.92	1419982	-382429	SLV 1	2.75				Si
1290	22.11	2.1	0	8,9	616296	-166655	-18916	-2.02	1.92	1558993	-421572	SLV 1	2.53				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2	0	1,2	646777	-82652	-88499	1734587	-221664	SLD 15	2.682	Si
-111	18.42	2	0	1,2	594655	-74111	-88369	1679329	-209292	SLD 15	2.824	Si
-81	20.11	1.1	0	2	541637	-65423	-88237	1604576	-193814	SLD 15	2.962	Si
-52	20.11	1.1	0	2	488627	-56738	-88105	1500532	-174237	SLD 15	3.071	Si
-22	20.11	1.1	0	2	435627	-48055	-87972	1388603	-153179	SLD 15	3.188	Si
7	20.11	1.1	0	2	382643	-39376	-87840	1267801	-130462	SLD 15	3.313	Si
36	20.11	1.1	0	2	329681	-30702	-87708	1137124	-105897	SLD 15	3.449	Si
66	20.11	1.1	0	2	276756	-22040	-87575	995327	-79263	SLD 15	3.596	Si
95	20.11	1.1	0	2	162946	-18820	-88076	609172	-70356	SLD 11	3.738	Si
125	20.11	1.1	0	2	124802	-9123	-87943	467272	-34157	SLD 11	3.744	Si
154	20.11	1.1	0	2	86913	437	-87811	325901	1638	SLD 11	3.75	Si
184	20.11	1.1	0	2	47174	10538	-87679	177157	39574	SLD 11	3.755	Si
213	20.11	1.1	0	2	-11175	22987	-87545	-42030	86459	SLD 11	3.761	Si
242	20.11	1.1	0	2	-35943	31110	-87414	-135390	117186	SLD 11	3.767	Si
272	20.11	1.1	0	2	-70634	40577	-87282	-266465	153077	SLD 11	3.772	Si
301	20.11	1.1	0	2	-108172	50246	-87149	-408700	189842	SLD 11	3.778	Si
331	20.11	1.1	0	2	-202651	56566	-86384	-747258	208581	SLD 15	3.687	Si
360	20.11	1.1	0	2	-254568	65083	-86254	-902173	230648	SLD 15	3.544	Si
380	20.11	2.2	0	2,3	67519	-99222	-65539	321929	-473088	SLD 15	4.768	Si
409	20.11	2.2	0	2,3	47004	-79772	-65411	234979	-398794	SLD 15	4.999	Si
438	20.11	1.1	0	3	784	-65996	-65682	3932	-330842	SLD 11	5.013	Si
467	20.11	1.1	0	3	-32211	-45027	-65552	-161795	-226174	SLD 11	5.023	Si
496	20.11	1.1	0	3	-50393	-24283	-65421	-253630	-122216	SLD 11	5.033	Si
525	20.11	1.1	0	3	-55475	-1969	-65291	-279765	-9929	SLD 11	5.043	Si
554	20.11	1.1	0	3	-62703	20329	-65160	-316852	102728	SLD 11	5.053	Si
583	20.11	1.1	0	3	-71267	40503	-65030	-360851	205083	SLD 11	5.063	Si
612	20.11	1.1	0	3	-118501	59538	-64498	-586276	294558	SLD 15	4.947	Si
641	20.11	1.1	0	3	-139324	79290	-64367	-659471	375309	SLD 15	4.733	Si
670	20.11	1.1	0	3	-160216	98734	-64239	-727132	448101	SLD 15	4.538	Si
690	20.11	2.2	0	3,4,6,7	171277	-92533	-43769	1019757	-550928	SLD 15	5.954	Si
719	20.11	2.2	0	3,4,6,7	135773	-73562	-43638	870198	-471475	SLD 15	6.409	Si
748	20.11	1.1	0	4,6,7	100657	-54621	-43508	698217	-378887	SLD 15	6.937	Si
777	20.11	1.1	0	4,6,7	66476	-35761	-43377	501797	-269945	SLD 15	7.549	Si
806	20.11	1.1	0	4,6,7	21664	-18398	-43427	164264	-139495	SLD 11	7.582	Si
835	20.11	1.1	0	4,6,7	-7893	4373	-43296	-60027	33261	SLD 11	7.605	Si
864	20.11	1.1	0	4,6,7	-43466	23409	-43166	-331560	178565	SLD 11	7.628	Si
893	20.11	1.1	0	4,6,7	-89761	41145	-42855	-657148	301225	SLD 15	7.321	Si
922	20.11	1.1	0	4,6,7	-123955	60032	-42725	-839717	406677	SLD 15	6.774	Si
951	20.37	1.6	0	4,5,6,7	-159076	78982	-42594	-1004192	498585	SLD 15	6.313	Si
980	27.42	2	0	4,5,6,7	-193969	97630	-42466	-1224223	616186	SLD 15	6.311	Si
1000	20.11	2.4	0	5,6,7,8,9	115382	-73759	-22311	957328	-611976	SLD 15	8.297	Si
1029	17.8	2.4	0	5,6,7,8,9	84794	-56796	-22202	786171	-526584	SLD 15	9.272	Si
1058	16.08	1.1	0	8,9	54490	-39842	-22094	568716	-415833	SLD 15	10.437	Si
1087	16.08	1.1	0	8,9	25421	-22924	-21985	308510	-278199	SLD 15	12.136	Si
1116	16.08	1.1	0	8,9	-14826	-5827	-21876	-184179	-72387	SLD 15	12.423	Si
1145	16.08	1.1	0	8,9	-42521	11311	-21767	-521065	138608	SLD 15	12.254	Si
1174	16.08	1.1	0	8,9	-72018	28185	-21659	-763133	298655	SLD 15	10.596	Si
1203	16.08	1.1	0	8,9	-102402	45132	-21550	-951409	419316	SLD 15	9.291	Si
1232	16.08	1.1	0	8,9	-133018	62093	-21441	-1082809	505452	SLD 15	8.14	Si
1261	16.08	1.1	0	8,9	218362	-44025	-20027	1546492	-311796	SLD 1	7.082	Si
1290	22.11	2.1	0	8,9	261358	-52351	-19920	1700110	-340538	SLD 1	6.505	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	282	-112324	SLU 42	15366	51797	52691	2.35	183.63	-2366	-134814	SLU 46	15029	48390	55356	2.5	20.45	Si
-111	5X/2Y Ø8/10	282	-112155	SLU 42	15366	51797	52691	2.35	183.63	-2366	-134645	SLU 46	15029	48390	55356	2.5	20.45	Si
-81	5X/2Y Ø8/10	282	-111983	SLU 42	15366	51797	52691	2.35	183.63	-2366	-134473	SLU 46	15029	48390	55356	2.5	20.45	Si
-52	5X/2Y Ø8/10	282	-111810	SLU 42	15366	51797	52691	2.35	183.63	-2366	-134301	SLU 46	15029	48390	55356	2.5	20.45	Si
-22	5X/2Y Ø8/14.7	282	-111638	SLU 42	15366	37388	50429	2.5	132.55	-2366	-134129	SLU 46	15029	32833	55356	2.5	13.88	Si
7	5X/2Y Ø8/14.7	282	-111466	SLU 42	15366	37388	50429	2.5	132.55	-2366	-133957	SLU 46	15029	32833	55356	2.5	13.88	Si
36	5X/2Y Ø8/14.7	282	-111294	SLU 42	15366	37388	50429	2.5	132.55	-2366	-133785	SLU 46	15029	32833	55356	2.5	13.88	Si
66	5X/2Y Ø8/14.7	282	-111122	SLU 42	15366	37388	50429	2.5	132.55	-2366	-133613	SLU 46	15029	32833	55356	2.5	13.88	Si
95	5X/2Y Ø8/14.7	282	-110950	SLU 42	15366	37388	50429	2.5	132.55	-2366	-133441	SLU 46	15029	32833	55356	2.5	13.88	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
125	5X/2Y Ø8/14.7	282	-110778	SLU 42	15366	37388	50429	2.5	132.55	-2366	-133269	SLU 46	15029	32833	55356	2.5	13.88	Si
154	5X/2Y Ø8/14.7	282	-110606	SLU 42	15366	37388	50429	2.5	132.55	-2366	-133097	SLU 46	15029	32833	55356	2.5	13.88	Si
184	5X/2Y Ø8/14.7	282	-110434	SLU 42	15366	37388	50429	2.5	132.55	-2366	-132925	SLU 46	15029	32833	55356	2.5	13.88	Si
213	5X/2Y Ø8/14.7	282	-110260	SLU 42	15366	37388	50429	2.5	132.55	-2366	-132751	SLU 46	15029	32833	55356	2.5	13.88	Si
242	5X/2Y Ø8/10	282	-110090	SLU 42	15366	51792	52691	2.35	183.61	-2366	-132580	SLU 46	15029	48385	55356	2.5	20.45	Si
272	5X/2Y Ø8/10	282	-109918	SLU 42	15366	51792	52691	2.35	183.61	-2366	-132408	SLU 46	15029	48385	55356	2.5	20.45	Si
301	5X/2Y Ø8/10	282	-109746	SLU 42	15366	51792	52691	2.35	183.61	-2366	-132236	SLU 46	15029	48385	55356	2.5	20.45	Si
331	5X/2Y Ø8/10	282	-109574	SLU 42	15366	51792	52691	2.35	183.61	-2366	-132064	SLU 46	15029	48385	55356	2.5	20.45	Si
360	5X/2Y Ø8/10	282	-109405	SLU 42	15366	51792	52691	2.35	183.61	-2366	-131895	SLU 46	15029	48385	55356	2.5	20.45	Si
380	5X/2Y Ø8/10	402	-82862	SLU 43	15366	51792	52691	2.35	128.7	1428	-100261	SLU 45	15029	48385	55356	2.5	33.87	Si
409	5X/2Y Ø8/10	402	-82696	SLU 43	15366	51792	52691	2.35	128.7	1428	-100094	SLU 45	15029	48385	55356	2.5	33.87	Si
438	5X/2Y Ø8/10	402	-82526	SLU 43	15366	51792	52691	2.35	128.7	1428	-99925	SLU 45	15029	48385	55356	2.5	33.87	Si
467	5X/2Y Ø8/14.4	402	-82356	SLU 43	15366	38145	50429	2.5	94.78	1428	-99755	SLU 45	15029	33497	55356	2.5	23.45	Si
496	5X/2Y Ø8/14.4	402	-82187	SLU 43	15366	38145	50429	2.5	94.78	1428	-99585	SLU 45	15029	33497	55356	2.5	23.45	Si
525	5X/2Y Ø8/14.4	402	-82017	SLU 43	15366	38145	50429	2.5	94.78	1428	-99416	SLU 45	15029	33497	55356	2.5	23.45	Si
554	5X/2Y Ø8/14.4	402	-81847	SLU 43	15366	38145	50429	2.5	94.78	1428	-99246	SLU 45	15029	33497	55356	2.5	23.45	Si
583	5X/2Y Ø8/14.4	402	-81678	SLU 43	15366	38145	50429	2.5	94.78	1428	-99076	SLU 45	15029	33497	55356	2.5	23.45	Si
612	5X/2Y Ø8/10	402	-81508	SLU 43	15366	51792	52691	2.35	128.7	1428	-98907	SLU 45	15029	48385	55356	2.5	33.87	Si
641	5X/2Y Ø8/10	402	-81338	SLU 43	15366	51792	52691	2.35	128.7	1428	-98737	SLU 45	15029	48385	55356	2.5	33.87	Si
670	5X/2Y Ø8/10	402	-81172	SLU 43	15366	51792	52691	2.35	128.7	1428	-98570	SLU 45	15029	48385	55356	2.5	33.87	Si
690	5X/2Y Ø8/10	421	-54653	SLU 40	14371	49588	50997	2.25	117.78	107	-54653	SLU 40	13936	48385	52012	2.5	453.12	Si
719	5X/2Y Ø8/10	421	-54484	SLU 40	14350	49588	50974	2.25	117.78	107	-54484	SLU 40	13913	48385	51988	2.5	453.12	Si
748	5X/2Y Ø8/10	421	-54314	SLU 40	14329	49588	50950	2.25	117.78	107	-54314	SLU 40	13890	48385	51964	2.5	453.12	Si
777	5X/2Y Ø8/14.4	421	-54144	SLU 40	14307	38145	47317	2.5	90.6	107	-54144	SLU 40	13867	33497	51940	2.5	313.7	Si
806	5X/2Y Ø8/14.4	421	-53975	SLU 40	14286	38145	47295	2.5	90.6	107	-53975	SLU 40	13843	33497	51916	2.5	313.7	Si
835	5X/2Y Ø8/14.4	421	-53805	SLU 40	14265	38145	47273	2.5	90.6	107	-53805	SLU 40	13820	33497	51892	2.5	313.7	Si
864	5X/2Y Ø8/14.4	421	-53636	SLU 40	14244	38145	47251	2.5	90.6	107	-53636	SLU 40	13797	33497	51868	2.5	313.7	Si
893	5X/2Y Ø8/14.4	421	-53466	SLU 40	14223	38145	47229	2.5	90.6	107	-53466	SLU 40	13774	33497	51844	2.5	313.7	Si
922	5X/2Y Ø8/10	421	-53296	SLU 40	14202	49588	50809	2.25	117.78	107	-53296	SLU 40	13751	48385	51820	2.5	453.12	Si
951	5X/2Y Ø8/10	421	-53127	SLU 40	14181	49588	50785	2.25	117.78	107	-53127	SLU 40	13727	48385	51796	2.5	453.12	Si
980	5X/2Y Ø8/10	421	-52960	SLU 40	14160	49588	50762	2.25	117.78	107	-52960	SLU 40	13705	48385	51772	2.5	453.12	Si
1000	4X/2Y Ø8/10	242	-21309	SLU 30	8958	38789	39726	2.2	160.26	440	-37866	SLU 49	10679	39534	41433	2.5	89.94	Si
1029	4X/2Y Ø8/10	242	-21167	SLU 30	8941	38789	39706	2.2	160.26	440	-37725	SLU 49	10660	39534	41413	2.5	89.94	Si
1058	4X/2Y Ø8/10	242	-21026	SLU 30	8923	38789	39687	2.2	160.26	440	-37584	SLU 49	10641	39534	41394	2.5	89.94	Si
1087	4X/2Y Ø8/14.4	242	-20884	SLU 30	8905	30516	36309	2.5	126.08	440	-37442	SLU 49	10622	27370	41374	2.5	62.27	Si
1116	4X/2Y Ø8/14.4	242	-20743	SLU 30	8888	30516	36291	2.5	126.08	440	-37301	SLU 49	10603	27370	41355	2.5	62.27	Si
1145	4X/2Y Ø8/14.4	242	-20602	SLU 30	8870	30516	36273	2.5	126.08	440	-37159	SLU 49	10584	27370	41335	2.5	62.27	Si
1174	4X/2Y Ø8/14.4	242	-20460	SLU 30	8853	30516	36255	2.5	126.08	440	-37018	SLU 49	10565	27370	41315	2.5	62.27	Si
1203	4X/2Y Ø8/14.4	242	-20319	SLU 30	8835	30516	36236	2.5	126.08	440	-36877	SLU 49	10546	27370	41296	2.5	62.27	Si
1232	4X/2Y Ø8/10	242	-20178	SLU 30	8817	38789	39567	2.2	160.26	440	-36735	SLU 49	10527	39534	41276	2.5	89.94	Si
1261	4X/2Y Ø8/10	242	-20036	SLU 30	8800	38789	39547	2.2	160.26	440	-36594	SLU 49	10508	39534	41257	2.5	89.94	Si
1290	4X/2Y Ø8/10	242	-19897	SLU 30	8783	38789	39528	2.2	160.26	440	-36455	SLU 49	10490	39534	41237	2.5	89.94	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	746	-92573	SLV 11	15366	51797	52691	2.35	69.45	-4253	-90940	SLV 15	15029	48390	55356	2.5	11.38	Si
-111	5X/2Y Ø8/10	746	-92443	SLV 11	15366	51797	52691	2.35	69.45	-4253	-90810	SLV 15	15029	48390	55356	2.5	11.38	Si
-81	5X/2Y Ø8/10	746	-92311	SLV 11	15366	51797	52691	2.35	69.45	-4253	-90678	SLV 15	15029	48390	55356	2.5	11.38	Si
-52	5X/2Y Ø8/10	746	-92178	SLV 11	15366	51797	52691	2.35	69.45	-4253	-90545	SLV 15	15029	48390	55356	2.5	11.38	Si
-22	5X/2Y Ø8/14.7	746	-92046	SLV 11	15366	37388	50429	2.5	50.13	-4253	-90413	SLV 15	15029	32833	55356	2.5	7.72	Si
7	5X/2Y Ø8/14.7	746	-91913	SLV 11	15366	37388	50429	2.5	50.13	-4253	-90281	SLV 15	15029	32833	55356	2.5	7.72	Si
36	5X/2Y Ø8/14.7	746	-91781	SLV 11	15366	37388	50429	2.5	50.13	-4253	-90148	SLV 15	15029	32833	55356	2.5	7.72	Si
66	5X/2Y Ø8/14.7	746	-91649	SLV 11	15366	37388	50429	2.5	50.13	-4253	-90016	SLV 15	15029	32833	55356	2.5	7.72	Si
95	5X/2Y Ø8/14.7	746	-91516	SLV 11	15366	37388	50429	2.5	50.13	-4253	-89884	SLV 15	15029	32833	55356	2.5	7.72	Si
125	5X/2Y Ø8/14.7	746	-91384	SLV 11	15366	37388	50429	2.5	50.13	-4253	-89751	SLV 15	15029	32833	55356	2.5	7.72	Si
154	5X/2Y Ø8/14.7	746	-91252	SLV 11	15366	37388	50429	2.5	50.13	-4253	-89619	SLV 15	15029	32833	55356	2.5	7.72	Si
184	5X/2Y Ø8/14.7	746	-91119	SLV 11	15366	37388	50429	2.5	50.13	-4253	-89487	SLV 15	15029	32833	55356	2.5	7.72	Si
213	5X/2Y Ø8/14.7	746	-90986	SLV 11	15366	37388	50429	2.5	50.13	-4253	-89353	SLV 15	15029	32833	55356	2.5	7.72	Si
242	5X/2Y Ø8/10	746	-90855	SLV 11	15366	51792	52691	2.35	69.45	-4253	-89222	SLV 15	15029	48385	55356	2.5	11.38	Si
272	5X/2Y Ø8/10	746	-90722	SLV 11	15366	51792	52691	2.35	69.45	-4253	-89090	SLV 15	15029	48385	55356	2.5	11.38	Si
301	5X/2Y Ø8/10	746	-90590	SLV 11	15366	51792	52691	2.35	69.45	-4253	-88957	SLV 15	15029	48385	55356	2.5	11.38	Si
331	5X/2Y Ø8/10	746	-90458	SLV 11	15366	51792	52691	2.35	69.45	-4253	-88825	SLV 15	15029	48385	55356	2.5	11.38	Si
360	5X/2Y Ø8/10	746	-90327	SLV 11	15366	51792	52691	2.35	69.45	-4253	-88695	SLV 15	15029	48385	55356	2.5	11.38	Si
380	5X/2Y Ø8/10	1471	-68559	SLV 11	15366	50690	52144	2.3	34.45	3133	-60995	SLV 1	14803	48385	52908	2.5	15.44	Si
409	5X/2Y Ø8/10	1471	-68431	SLV 11	15366	50690	52127	2.3	34.45	3133	-60866	SLV 1	14785	48385	52890	2.5	15.44	Si
438	5X/2Y Ø8/10	1471	-68300	SLV 11	15366	50690	52109	2.3	34.45	3133	-60736	SLV 1	14767	48385	52872	2.5	15.44	Si
467	5X/2Y Ø8/14.4	1471	-68170	SLV 11	15366	38145	49123	2.5	25.92	3133	-60605	SLV 1	14750	33497	52853	2.5	10.69	Si
496	5X/2Y Ø8/14.4	1471	-68039	SLV 11	15366	38145	49106	2.5	25.92	3133	-60475	SLV 1	14732	33497	52835	2.5	10.69	Si
525	5X/2Y Ø8/14.4	1471	-67909	SLV 11	15366	38145	49090	2.5	25.92	3133	-60344	SLV 1	14714	33497	52816	2.5	10.69	Si
554	5X/2Y Ø8/14.4	1471	-67778	SLV 11	15366	38145	49073	2.5	25.92	3133	-60214	SLV 1	14696	33497	52798	2.5	10.69	Si
583	5X/2Y Ø8/14.4	1471	-67648	SLV 11	15366	38145	49056	2.5	25.92	3133	-60083	SLV 1	14678	33497	52780	2.5	10.69	Si
612	5X/2Y Ø8/10	1471	-67517	SLV 11	15366	50690	52002	2.3	34.45	3133	-59953	SLV 1	14660	48385	52761	2.5	15.44	Si
641	5X/2Y Ø8/10	1471	-67387	SLV 11	15366	50690	51984	2.3	34.45	3133	-59822	SLV 1	14643	48385	52743	2.5	15.44	Si
670	5X/2Y Ø8/10	1471	-67259	SLV 11	15366	50690	51966	2.3	34.45	3133	-59694	SLV 1	14625	48385	52724	2.5	15.44	Si
690	5X/2Y Ø8/10	1333	-45682	SLV 11	13254	49588	49754	2.25	37.21	3417	-40439	SLV 1	11994	48385	50002	2.5	14.16	Si
719	5X/2Y Ø8/10	1333	-45552	SLV 11	13238	49588	49735	2.25	37.21	3417	-40308	SLV 1	11976	48385	49984	2.5	14.16	Si
748	5X/2Y Ø8/10	1333	-45421	SLV 11	13221	49588	49717	2.25	37.21	3417	-40178	SLV 1	11958	48385	49965	2.5	14.16	Si
777	5X/2Y Ø8/14.4	1333	-45291	SLV 11	13205	38145	46177	2.5	28.62	3417	-40047	SLV 1	11940	33497	49947	2.5	9.8	Si
806	5X/2Y Ø8/14.4	1333	-45160	SLV 11	13189	38145	46160	2.5	28.62	3417	-39917	SLV 1	11922	33497	49928	2.5	9.8	Si
835	5X/2Y Ø8/14.4	1333	-45030	SLV 11	13173	38145	46143	2.5	28.62	3417	-39786	SLV 1	11904	33497	49910	2.5	9.8	Si
864	5X/2Y Ø8/14.4	1333	-44899	SLV 11	13156	38145	46126	2.5	28.62	3417	-39656	SLV 1	11887	33497	49892	2.5	9.8	Si
893	5X/2Y Ø8/14.4	1333	-44769	SLV 11	13140	38145	46109	2.5	28.62	3417	-39525	SLV 1	11869	33497	49873	2.5	9.8	Si
922	5X/2Y Ø8/10	1333	-44638	SLV 11	13124	49588	49609	2.25	37.21	3417	-39395	SLV 1	11851	48385	49855	2.5	14.16	Si
951	5X/2Y Ø8/10	1333	-44508	SLV 11	13108	49588	49591	2.25	37.21	3417	-39264	SLV 1	11833	48385	49836	2.5	14.16	Si
980	5X/2Y Ø8/10	1333	-44380	SLV 11	13092	48486	50318	2.2	36.38	3417	-39136	SLV 1	11815	48385	49818	2.5	14.16	Si
1000	4X/2Y Ø8/10	1317	-23237	SLV 11	9198	38789	39998	2.2	29.45	3511	-20001	SLV 1	8285	38743	39527	2.45	11.04	Si
1029	4X/2Y Ø8/10	1317	-23128	SLV 11	9185	38789	39982	2.2	29.45	3511	-19893	SLV 1	8270	38743	39512	2.45	11.04	Si
1058	4X/2Y Ø8/10	1317	-23020	SLV 11	9171	38789	39967	2.2	29.45	3511	-19784	SLV 1	8256	38743	39496	2.45	11.04	Si
1087	4X/2Y Ø8/14.4	1317	-22911	SLV 11	9158	30516	36570	2.5	23.17	3511	-19675	SLV 1	8241	27370	38911	2.5	7.8	Si
1116	4X/2Y Ø8/14.4	1317	-22802	SLV 11	9144	30516	36556	2.5	23.17	3511	-19566	SLV 1	8226	27370	38896	2.5	7.8	Si
1145	4X/2Y Ø8/14.4	1317	-22693	SLV 11	9131	30516	36542	2.5	23.17	3511	-19458	SLV 1	8212	27370	38881	2.5	7.8	Si
1174	4X/2Y Ø8/14.4	1317	-22585	SLV 11	9117	30516	36528	2.5	23.17	3511	-19349	SLV 1	8197	27370	38866	2.5	7.8	Si
1203	4X/2Y Ø8/14.4	1317	-22476	SLV 11	9104	30516	36514	2.5	23.17	3511	-19240	SLV 1	8183	27370	38851	2.5	7.8	Si
1232	4X/2Y Ø8/10	1317	-22367	SLV 11	9090	38789	39875	2.2	29.45	3511	-19131	SLV 1	8168	38743	39404	2.45	11.04	Si
1261	4X/2Y Ø8/10	1317	-22258	SLV 11	9077	38789	39860	2.2	29.45	3511	-19023	SLV 1	8154	38743	39389	2.45	11.04	Si
1290	4X/2Y Ø8/10	1317	-22152	SLV 11	9063	38789	39845	2.2	29.45	3511	-18916	SLV 1	8139	38743	39374	2.45	11.04	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	333	-89132	SLD 11	18663	55104	50429	2.5	151.48	-1804	-88499	SLD 15	18562	48390	55356	2.5	26.83	Si
-111	5X/2Y Ø8/10	333	-89002	SLD 11	18647	55104	50429	2.5	151.48	-1804	-88369	SLD 15	18544	48390	55356	2.5	26.83	Si
-81	5X/2Y Ø8/10	333	-88870	SLD 11	18631	55104	50429	2.5	151.48	-1804	-88237	SLD 15	18526	48390	55356	2.5	26.83	Si
-52	5X/2Y Ø8/10	333	-88738	SLD 11	18614	55104	50429	2.5	151.48	-1804	-88105	SLD 15	18508	48390	55356	2.5	26.83	Si
-22	5X/2Y Ø8/14.7	333	-88605	SLD 11	18598	37388	50429	2.5	112.3	-1804	-87972	SLD 15	18490	32833	55356	2.5	18.2	Si
7	5X/2Y Ø8/14.7	333	-88473	SLD 11	18581	37388	50429	2.5	112.3	-1804	-87840	SLD 15	18472	32833	55356	2.5	18.2	Si
36	5X/2Y Ø8/14.7	333	-88341	SLD 11	18565	37388	50429	2.5	112.3	-1804	-87708	SLD 15	18453	32833	55356	2.5	18.2	Si
66	5X/2Y Ø8/14.7	333	-88208	SLD 11	18548	37388	50429	2.5	112.3	-1804	-87575	SLD 15	18435	32833	55356	2.5	18.2	Si
95	5X/2Y Ø8/14.7	333	-88076	SLD 11	18532	37388	50429	2.5	112.3	-1804	-87443	SLD 15	18417	32833	55356	2.5	18.2	Si
125	5X/2Y Ø8/14.7	333	-87943	SLD 11	18515	37388	50429	2.5	112.3	-1804	-87311	SLD 15	18399	32833	55356	2.5	18.2	Si
154	5X/2Y Ø8/14.7	333	-87811	SLD 11	18499	37388	50429	2.5	112.3	-1804	-87178	SLD 15	18381	32833	55356	2.5	18.2	Si
184	5X/2Y Ø8/14.7	333	-87679	SLD 11	18482	37388	50429	2.5	112.3	-1804	-87046	SLD 15	18363	32833	55356	2.5	18.2	Si
213	5X/2Y Ø8/14.7	333	-87545	SLD 11	18466	37388	50429	2.5	112.3	-1804	-86912	SLD 15	18345	32833	55356	2.5	18.2	Si
242	5X/2Y Ø8/10	333	-87414	SLD 11	18449	55098	50429	2.5	151.48	-1804	-86781	SLD 15	18327	48385	55356	2.5	26.82	Si
272	5X/2Y Ø8/10	333	-87282	SLD 11	18433	55098	50429	2.5	151.48	-1804	-86649	SLD 15	18309	48385	55356	2.5	26.82	Si
301	5X/2Y Ø8/10	333	-87149	SLD 11	18417	55098	50429	2.5	151.48	-1804	-86516	SLD 15	18291	48385	55356	2.5	26.82	Si
331	5X/2Y Ø8/10	333	-87017	SLD 11	18400	55098	50429	2.5	151.48	-1804	-86384	SLD 15	18273	48385	55356	2.5	26.82	Si
360	5X/2Y Ø8/10	333	-86887	SLD 11	18384	55098	50429	2.5	151.48	-1804	-86254	SLD 15	18255	48385	55356	2.5	26.82	Si
380	5X/2Y Ø8/10	728	-65941	SLD 11	15776	55098	48836	2.5	67.09	1428	-62981	SLD 1	15074	48385	53189	2.5	33.89	Si
409	5X/2Y Ø8/10	728	-65813	SLD 11	15760	55098	48820	2.5	67.07	1428	-62852	SLD 1	15057	48385	53171	2.5	33.89	Si
438	5X/2Y Ø8/10	728	-65682	SLD 11	15744	55098	48803	2.5	67.04	1428	-62722	SLD 1	15039	48385	53153	2.5	33.89	Si
467	5X/2Y Ø8/14.4	728	-65552	SLD 11	15728	38145	48786	2.5	52.4	1428	-62591	SLD 1	15021	33497	53134	2.5	23.46	Si
496	5X/2Y Ø8/14.4	728	-65421	SLD 11	15711	38145	48769	2.5	52.4	1428	-62461	SLD 1	15003	33497	53116	2.5	23.46	Si
525	5X/2Y Ø8/14.4	728	-65291	SLD 11	15695	38145	48752	2.5	52.4	1428	-62330	SLD 1	14985	33497	53097	2.5	23.46	Si
554	5X/2Y Ø8/14.4	728	-65160	SLD 11	15679	38145	48736	2.5	52.4	1428	-62200	SLD 1	14967	33497	53079	2.5	23.46	Si
583	5X/2Y Ø8/14.4	728	-65030	SLD 11	15663	38145	48719	2.5	52.4	1428	-62069	SLD 1	14950	33497	53060	2.5	23.46	Si
612	5X/2Y Ø8/10	728	-64899	SLD 11	15646	55098	48702	2.5	66.91	1428	-61939	SLD 1	14932	48385	53042	2.5	33.89	Si
641	5X/2Y Ø8/10	728	-64769	SLD 11	15630	55098	48685	2.5	66.88	1428	-61808	SLD 1	14914	48385	53023	2.5	33.89	Si
670	5X/2Y Ø8/10	728	-64641	SLD 11	15614	55098	48669	2.5	66.86	1428	-61680	SLD 1	14896	48385	53005	2.5	33.89	Si
690	5X/2Y Ø8/10	687	-43949	SLD 11	13038	55098	46004	2.5	66.97	1374	-41892	SLD 1	12192	48385	50208	2.5	35.22	Si
719	5X/2Y Ø8/10	687	-43818	SLD 11	13022	55098	45987	2.5	66.94	1374	-41762	SLD 1	12174	48385	50189	2.5	35.22	Si
748	5X/2Y Ø8/10	687	-43688	SLD 11	13006	55098	45970	2.5	66.92	1374	-41631	SLD 1	12156	48385	50171	2.5	35.22	Si
777	5X/2Y Ø8/14.4	687	-43557	SLD 11	12989	38145	45953	2.5	55.53	1374	-41501	SLD 1	12139	33497	50152	2.5	24.38	Si
806	5X/2Y Ø8/14.4	687	-43427	SLD 11	12973	38145	45936	2.5	55.53	1374	-41370	SLD 1	12121	33497	50134	2.5	24.38	Si
835	5X/2Y Ø8/14.4	687	-43296	SLD 11	12957	38145	45920	2.5	55.53	1374	-41240	SLD 1	12103	33497	50115	2.5	24.38	Si
864	5X/2Y Ø8/14.4	687	-43166	SLD 11	12941	38145	45903	2.5	55.53	1374	-41109	SLD 1	12085	33497	50097	2.5	24.38	Si
893	5X/2Y Ø8/14.4	687	-43035	SLD 11	12924	38145	45886	2.5	55.53	1374	-40979	SLD 1	12067	33497	50079	2.5	24.38	Si
922	5X/2Y Ø8/10	687	-42905	SLD 11	12908	55098	45869	2.5	66.77	1374	-40848	SLD 1	12049	48385	50060	2.5	35.22	Si
951	5X/2Y Ø8/10	687	-42774	SLD 11	12892	55098	45852	2.5	66.75	1374	-40718	SLD 1	12032	48385	50042	2.5	35.22	Si
980	5X/2Y Ø8/10	687	-42646	SLD 11	12876	55098	45836	2.5	66.72	1374	-40590	SLD 1	12014	48385	50024	2.5	35.22	Si
1000	4X/2Y Ø8/10	607	-22283	SLD 11	9080	44078	36489	2.5	60.12	1512	-21006	SLD 1	8419	39534	39096	2.5	25.86	Si
1029	4X/2Y Ø8/10	607	-22174	SLD 11	9066	44078	36475	2.5	60.09	1512	-20897	SLD 1	8405	39534	39081	2.5	25.85	Si
1058	4X/2Y Ø8/10	607	-22065	SLD 11	9053	44078	36461	2.5	60.07	1512	-20788	SLD 1	8390	39534	39066	2.5	25.84	Si
1087	4X/2Y Ø8/14.4	607	-21957	SLD 11	9039	30516	36447	2.5	50.27	1512	-20679	SLD 1	8376	27370	39051	2.5	18.1	Si
1116	4X/2Y Ø8/14.4	607	-21848	SLD 11	9025	30516	36433	2.5	50.27	1512	-20571	SLD 1	8361	27370	39036	2.5	18.1	Si
1145	4X/2Y Ø8/14.4	607	-21739	SLD 11	9012	30516	36419	2.5	50.27	1512	-20462	SLD 1	8347	27370	39020	2.5	18.1	Si
1174	4X/2Y Ø8/14.4	607	-21630	SLD 11	8998	30516	36405	2.5	50.27	1512	-20353	SLD 1	8332	27370	39005	2.5	18.1	Si
1203	4X/2Y Ø8/14.4	607	-21522	SLD 11	8985	30516	36391	2.5	50.27	1512	-20244	SLD 1	8317	27370	38990	2.5	18.1	Si
1232	4X/2Y Ø8/10	607	-21413	SLD 11	8971	44078	36377	2.5	59.93	1512	-20136	SLD 1	8303	39534	38975	2.5	25.78	Si
1261	4X/2Y Ø8/10	607	-21304	SLD 11	8958	44078	36363	2.5	59.91	1512	-20027	SLD 1	8288	39534	38960	2.5	25.77	Si
1290	4X/2Y Ø8/10	607	-21197	SLD 11	8944	44078	36350	2.5	59.89	1512	-19920	SLD 1	8274	39534	38945	2.5	25.76	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	468702	-34333	-95647	SLE RA 7	-72.7	468702	-34333	-95647	SLE RA 7	-1013	Si
-111	422408	-29246	-95517	SLE RA 7	-68.9	422408	-29246	-95517	SLE RA 7	-964.9	Si
-81	375314	-24071	-95384	SLE RA 7	-65.4	375314	-24071	-95384	SLE RA 7	-921.3	Si
-52	328219	-18897	-95252	SLE RA 7	-62.6	328219	-18897	-95252	SLE RA 7	-888.3	Si
-22	281125	-13722	-95120	SLE RA 7	-59.8	281125	-13722	-95120	SLE RA 7	-855.3	Si
7	234030	-8547	-94987	SLE RA 7	-57.1	234030	-8547	-94987	SLE RA 7	-822.2	Si
36	131546	971	-101261	SLE RA 13	-54.5	131546	971	-101261	SLE RA 13	-800.5	Si
66	99973	4520	-101128	SLE RA 13	-53.3	99973	4520	-101128	SLE RA 13	-784.2	Si
95	68400	8069	-100996	SLE RA 13	-52	68400	8069	-100996	SLE RA 13	-767.9	Si
125	36827	11618	-100864	SLE RA 13	-50.8	36827	11618	-100864	SLE RA 13	-751.7	Si
154	13927	12727	-100701	SLE RA 12	-49.7	13927	12727	-100701	SLE RA 12	-738.1	Si
184	-26318	18716	-100599	SLE RA 13	-50.8	-26318	18716	-100599	SLE RA 13	-749.9	Si
213	-58196	22300	-100465	SLE RA 13	-52.6	-58196	22300	-100465	SLE RA 13	-770.8	Si
242	-142725	32850	-93929	SLE RA 7	-54.5	-89464	25814	-100334	SLE RA 13	-791.2	Si
272	-189820	38025	-93796	SLE RA 7	-57.1	-189820	38025	-93796	SLE RA 7	-814	Si
301	-236914	43199	-93664	SLE RA 7	-59.7	-236914	43199	-93664	SLE RA 7	-845.1	Si
331	-284009	48374	-93531	SLE RA 7	-62.4	-284009	48374	-93531	SLE RA 7	-876.3	Si
360	-330302	53461	-93401	SLE RA 7	-65	-330302	53461	-93401	SLE RA 7	-906.9	Si
380	-269157	-13253	-71171	SLE RA 7	-47.8	-269157	-13253	-71171	SLE RA 7	-676.9	Si
409	-241514	-9014	-71042	SLE RA 7	-46.1	-241514	-9014	-71042	SLE RA 7	-656.1	Si
438	-213386	-4700	-70912	SLE RA 7	-44.3	-157075	-4789	-75822	SLE RA 13	-637.2	Si
467	-135590	-840	-75692	SLE RA 13	-42.5	-135590	-840	-75692	SLE RA 13	-620.2	Si
496	-114104	3108	-75561	SLE RA 13	-41.6	-114104	3108	-75561	SLE RA 13	-608.7	Si
525	-92619	7056	-75431	SLE RA 13	-40.9	-92619	7056	-75431	SLE RA 13	-598.7	Si
554	-71133	11004	-75300	SLE RA 13	-40.2	-71133	11004	-75300	SLE RA 13	-588.7	Si
583	-49648	14953	-75170	SLE RA 13	-39.5	-49648	14953	-75170	SLE RA 13	-578.7	Si
612	-28163	18901	-75039	SLE RA 13	-38.8	-28163	18901	-75039	SLE RA 13	-568.7	Si
641	7136	23721	-74805	SLE RA 12	-38.1	7136	23721	-74805	SLE RA 12	-559.1	Si
670	17710	28591	-74676	SLE RA 12	-39	17710	28591	-74676	SLE RA 12	-568.6	Si
690	-21049	-28382	-51223	SLE RA 12	-28	-21049	-28382	-51223	SLE RA 12	-403	Si
719	-19768	-22648	-51092	SLE RA 12	-27.3	-19768	-22648	-51092	SLE RA 12	-396.2	Si
748	-18487	-16914	-50962	SLE RA 12	-26.7	-18487	-16914	-50962	SLE RA 12	-389.5	Si
777	-17205	-11180	-50831	SLE RA 12	-26	-17205	-11180	-50831	SLE RA 12	-382.7	Si
806	-15924	-5446	-50701	SLE RA 12	-25.4	-15924	-5446	-50701	SLE RA 12	-376	Si
835	-14643	288	-50570	SLE RA 12	-24.8	-14643	288	-50570	SLE RA 12	-369.8	Si
864	-13361	6023	-50440	SLE RA 12	-25.2	-13361	6023	-50440	SLE RA 12	-373.1	Si
893	-12080	11757	-50309	SLE RA 12	-25.6	-12241	11283	-50379	SLE RA 13	-376.7	Si
922	-11614	16990	-50249	SLE RA 13	-26	-11614	16990	-50249	SLE RA 13	-380.5	Si
951	-10987	22697	-50118	SLE RA 13	-26.4	-10987	22697	-50118	SLE RA 13	-383.5	Si
980	-10370	28305	-49990	SLE RA 13	-25.5	-10370	28305	-49990	SLE RA 13	-368.8	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1000	-37944	-15114	-26784	SLE RA 12	-19	-37944	-15114	-26784	SLE RA 12	-268.6	Si
1029	-29612	-10865	-26675	SLE RA 12	-18.3	-29612	-10865	-26675	SLE RA 12	-261.6	Si
1058	-21280	-6616	-26566	SLE RA 12	-17.4	-21280	-6616	-26566	SLE RA 12	-253.1	Si
1087	-12948	-2367	-26457	SLE RA 12	-16.3	-12948	-2367	-26457	SLE RA 12	-240.9	Si
1116	-4531	1887	-26393	SLE RA 13	-15.7	-4531	1887	-26393	SLE RA 13	-233	Si
1145	3717	6132	-26240	SLE RA 12	-16	3717	6132	-26240	SLE RA 12	-235.6	Si
1174	12049	10381	-26131	SLE RA 12	-17	12049	10381	-26131	SLE RA 12	-245.9	Si
1203	20381	14630	-26022	SLE RA 12	-18	20381	14630	-26022	SLE RA 12	-256.3	Si
1232	28713	18879	-25914	SLE RA 12	-18.9	28713	18879	-25914	SLE RA 12	-266.6	Si
1261	37045	23129	-25805	SLE RA 12	-19.9	37045	23129	-25805	SLE RA 12	-277	Si
1290	45234	27305	-25698	SLE RA 12	-19.8	45234	27305	-25698	SLE RA 12	-272.6	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	74445	-5856	-86926	SLE QP 2	-46.7	Si
-111	68242	-3904	-86795	SLE QP 2	-45.4	Si
-81	61932	-1918	-86663	SLE QP 2	-44.3	Si
-52	55621	68	-86531	SLE QP 2	-43.8	Si
-22	49311	2054	-86398	SLE QP 2	-43.6	Si
7	43000	4040	-86266	SLE QP 2	-43.5	Si
36	36690	6026	-86134	SLE QP 2	-43.3	Si
66	30380	8012	-86001	SLE QP 2	-43.1	Si
95	24069	9998	-85869	SLE QP 2	-42.9	Si
125	17759	11984	-85737	SLE QP 2	-42.7	Si
154	11448	13970	-85604	SLE QP 2	-42.6	Si
184	5138	15955	-85472	SLE QP 2	-42.4	Si
213	-1233	17961	-85338	SLE QP 2	-42.3	Si
242	-7483	19927	-85207	SLE QP 2	-42.7	Si
272	-13793	21913	-85075	SLE QP 2	-43.1	Si
301	-20103	23899	-84943	SLE QP 2	-43.6	Si
331	-26414	25885	-84810	SLE QP 2	-44	Si
360	-32617	27837	-84680	SLE QP 2	-44.4	Si
380	-80422	-34850	-64260	SLE QP 2	-37.6	Si
409	-70915	-27643	-64132	SLE QP 2	-36.4	Si
438	-61242	-20310	-64001	SLE QP 2	-35.2	Si
467	-51568	-12977	-63871	SLE QP 2	-34	Si
496	-41895	-5644	-63740	SLE QP 2	-32.8	Si
525	-32221	1690	-63610	SLE QP 2	-31.9	Si
554	-22548	9023	-63479	SLE QP 2	-32.1	Si
583	-12874	16356	-63349	SLE QP 2	-32.2	Si
612	-3201	23689	-63218	SLE QP 2	-32.4	Si
641	6472	31023	-63088	SLE QP 2	-33.2	Si
670	15979	38229	-62960	SLE QP 2	-34.2	Si
690	-20762	-37946	-42831	SLE QP 2	-24.8	Si
719	-18893	-30066	-42700	SLE QP 2	-24	Si
748	-17024	-22187	-42570	SLE QP 2	-23.1	Si
777	-15155	-14307	-42439	SLE QP 2	-22.2	Si
806	-13286	-6427	-42309	SLE QP 2	-21.3	Si
835	-11418	1453	-42178	SLE QP 2	-20.7	Si
864	-9549	9332	-42048	SLE QP 2	-21.3	Si
893	-7680	17212	-41917	SLE QP 2	-21.9	Si
922	-5811	25092	-41787	SLE QP 2	-22.5	Si
951	-3942	32972	-41656	SLE QP 2	-23	Si
980	-2106	40715	-41528	SLE QP 2	-22.4	Si
1000	-31142	-20717	-21658	SLE QP 2	-16.3	Si
1029	-24647	-16469	-21550	SLE QP 2	-15.7	Si
1058	-18152	-12221	-21441	SLE QP 2	-14.9	Si
1087	-11656	-7973	-21332	SLE QP 2	-13.9	Si
1116	-5161	-3724	-21223	SLE QP 2	-13	Si
1145	1334	524	-21115	SLE QP 2	-12.3	Si
1174	7830	4772	-21006	SLE QP 2	-13.1	Si
1203	14325	9020	-20897	SLE QP 2	-14	Si
1232	20820	13269	-20788	SLE QP 2	-14.8	Si
1261	27316	17517	-20680	SLE QP 2	-15.7	Si
1290	33699	21692	-20573	SLE QP 2	-15.7	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

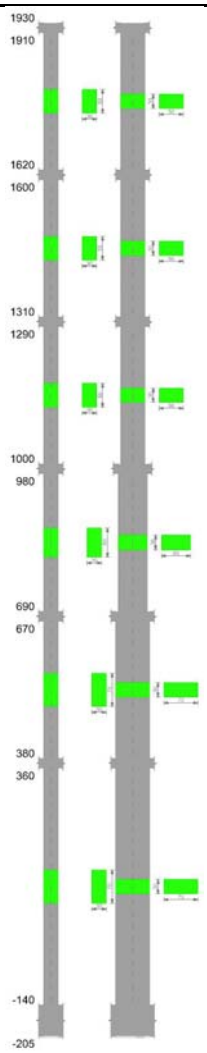
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.

Pilastro 52

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x70	No	No	No	No		C30/37	B450C	
380	670	R 30x70	No	No	No	No		C30/37	B450C	
690	980	R 30x60_1	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	
1620	1910	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.67	-29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.67	29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.67	29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	-10.23	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	10.23	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	-10.23	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	10.23	1.6	2.011	-172.5	-140	R 30x70	B450C
p.2	-9.67	-29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.67	-29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.67	29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.67	29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	-15.35	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	15.35	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	-15.35	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	15.35	1.6	2.011	-140	380	R 30x70	B450C
p.3	-9.67	-29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	9.67	-29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	9.67	29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	-9.67	29.67	1.6	2.011	380	690	R 30x70	B450C
p.5	-9.9	-15.35	1.6	2.011	380	690	R 30x70	B450C
p.5	-9.9	15.35	1.6	2.011	380	690	R 30x70	B450C
p.5	9.9	-15.35	1.6	2.011	380	690	R 30x70	B450C
p.5	9.9	15.35	1.6	2.011	380	690	R 30x70	B450C
p.6	-9.9	0	1.6	2.011	380	690	R 30x70	B450C
p.6	9.9	0	1.6	2.011	380	690	R 30x70	B450C
p.7	-9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	-9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.9	-9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.9	-9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.9	9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.9	9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.10	-9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.10	9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.11	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.12	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.12	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.13	-9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.13	9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.13	9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.13	-9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.14	-9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.14	-9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.14	9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.14	9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	1.7	0	1,2	744756	-744756	-274564	901408	-901408	SLU 52	1.21	Si
-111	18.42	1.7	0	1,2	744221	-744221	-274367	920594	-920594	SLU 52	1.237	Si
-81	20.11	1	0	2	743676	-743676	-274166	934511	-934511	SLU 52	1.257	Si
-52	20.11	1	0	2	743132	-743132	-273966	934511	-934511	SLU 52	1.258	Si
-22	20.11	1	0	2	742587	-742587	-273765	934511	-934511	SLU 52	1.258	Si
7	20.11	1	0	2	742043	-742043	-273564	934511	-934511	SLU 52	1.259	Si
36	20.11	1	0	2	741498	-741498	-273363	934511	-934511	SLU 52	1.26	Si
66	20.11	1	0	2	740954	-740954	-273163	934511	-934511	SLU 52	1.261	Si
95	20.11	1	0	2	740409	-740409	-272962	934511	-934511	SLU 52	1.262	Si
125	20.11	1	0	2	739865	739865	-272761	934511	934511	SLU 52	1.263	Si
154	20.11	1	0	2	739320	739320	-272560	934511	934511	SLU 52	1.264	Si
184	20.11	1	0	2	738776	738776	-272360	934511	934511	SLU 52	1.265	Si
213	20.11	1	0	2	-738226	738226	-272157	-934511	934511	SLU 52	1.266	Si
242	20.11	1	0	2	-737687	737687	-271958	-934511	934511	SLU 52	1.267	Si
272	20.11	1	0	2	-737142	737142	-271758	-934511	934511	SLU 52	1.268	Si
301	20.11	1	0	2	-736598	736598	-271557	-934511	934511	SLU 52	1.269	Si
331	20.11	1	0	2	-736053	736053	-271356	-934511	934511	SLU 52	1.27	Si
360	20.11	1	0	2	-735518	735518	-271159	-934511	934511	SLU 52	1.271	Si
380	20.11	1.9	0	2,3,5,6	-555073	-464229	-232115	-876890	-733377	SLU 52	1.58	Si
409	20.11	1.9	0	2,3,5,6	-471116	-463833	-231917	-748408	-736839	SLU 52	1.589	Si
438	20.11	1	0	3,5,6	-463438	-463438	-231719	-737134	-737134	SLU 52	1.591	Si
467	20.11	1	0	3,5,6	-463042	-463042	-231521	-737134	-737134	SLU 52	1.592	Si
496	20.11	1	0	3,5,6	-462646	-462646	-231323	-737134	-737134	SLU 52	1.593	Si
525	20.11	1	0	3,5,6	-462250	-462250	-231125	-737134	-737134	SLU 52	1.595	Si
554	20.11	1	0	3,5,6	-461854	461854	-230927	-737134	737134	SLU 52	1.596	Si
583	20.11	1	0	3,5,6	461458	461458	-230729	737134	737134	SLU 52	1.597	Si
612	20.11	1	0	3,5,6	461062	461062	-230531	737134	737134	SLU 52	1.599	Si
641	20.37	1.3	0	3,4,5,6	460667	460667	-230333	738866	738866	SLU 52	1.604	Si
670	27.42	1.7	0	3,4,5,6	460278	460278	-230139	785252	785252	SLU 52	1.706	Si
690	20.11	2.2	0	4,5,6,7,9,10	-383923	-383923	-191961	-647491	-647491	SLU 52	1.687	Si
719	20.11	2.2	0	4,5,6,7,9,10	-383584	-383584	-191792	-647491	-647491	SLU 52	1.688	Si
748	20.11	1.1	0	7,9,10	-383244	-383244	-191622	-647491	-647491	SLU 52	1.69	Si
777	20.11	1.1	0	7,9,10	-382905	-382905	-191453	-647491	-647491	SLU 52	1.691	Si
806	20.11	1.1	0	7,9,10	382566	-382566	-191283	647491	-647491	SLU 52	1.692	Si
835	20.11	1.1	0	7,9,10	382226	-382226	-191113	647491	-647491	SLU 52	1.694	Si
864	20.11	1.1	0	7,9,10	381887	381887	-190944	647491	647491	SLU 52	1.696	Si
893	20.11	1.1	0	7,9,10	381548	381548	-190774	647491	647491	SLU 52	1.697	Si
922	20.11	1.1	0	7,9,10	381209	381209	-190604	647491	647491	SLU 52	1.699	Si
951	20.37	1.6	0	7,8,9,10	380869	380869	-190435	649217	649217	SLU 52	1.705	Si
980	27.42	2	0	7,8,9,10	380530	380530	-190265	695580	695580	SLU 52	1.828	Si
1000	20.11	2.4	0	8,9,10,11	-305330	-305330	-152665	-556148	-556148	SLU 52	1.821	Si
1029	17.8	2.4	0	8,9,10,11	-305052	-305052	-152526	-541580	-541580	SLU 52	1.775	Si
1058	16.08	1.1	0	11	-304770	-304770	-152385	-530708	-530708	SLU 52	1.741	Si
1087	16.08	1.1	0	11	-304487	-304487	-152243	-530708	-530708	SLU 52	1.743	Si
1116	16.08	1.1	0	11	-304204	-304204	-152102	-530708	-530708	SLU 52	1.745	Si
1145	16.08	1.1	0	11	303921	-303921	-151961	530708	-530708	SLU 52	1.746	Si
1174	16.08	1.1	0	11	303639	303639	-151819	530708	530708	SLU 52	1.748	Si
1203	16.08	1.1	0	11	303356	303356	-151678	530708	530708	SLU 52	1.749	Si
1232	16.08	1.1	0	11	303073	303073	-151537	530708	530708	SLU 52	1.751	Si
1261	16.08	1.1	0	11	302790	302790	-151395	530708	530708	SLU 52	1.753	Si
1290	16.08	1.1	0	11	302513	302513	-151256	530708	530708	SLU 52	1.754	Si
1310	16.08	2.1	0	11,12	-226384	-226384	-113192	-530708	-530708	SLU 52	2.344	Si
1339	16.08	2.1	0	11,12	-226102	-226102	-113051	-530708	-530708	SLU 52	2.347	Si
1368	16.08	1.1	0	12	-225819	-225819	-112909	-530708	-530708	SLU 52	2.35	Si
1397	16.08	1.1	0	12	-225536	-225536	-112768	-530708	-530708	SLU 52	2.353	Si
1426	16.08	1.1	0	12	-225253	-225253	-112627	-530708	-530708	SLU 52	2.356	Si
1455	16.08	1.1	0	12	-224971	224971	-112485	-530708	530708	SLU 52	2.359	Si
1484	16.08	1.1	0	12	224688	224688	-112344	530708	530708	SLU 52	2.362	Si
1513	16.08	1.1	0	12	224405	224405	-112203	530708	530708	SLU 52	2.365	Si
1542	16.08	1.1	0	12	224122	224122	-112061	530708	530708	SLU 52	2.368	Si
1571	16.08	1.1	0	12	223840	223840	-111920	530708	530708	SLU 52	2.371	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1600	16.08	1.1	0	12	223562	223562	-111781	530708	530708	SLU 52	2.374	Si
1620	16.08	2.1	0	12,13,14	-211940	-170013	-76813	-703292	-564165	SLU 52	3.318	Si
1649	16.08	2.1	0	12,13,14	-164797	-153344	-76672	-567904	-528436	SLU 52	3.446	Si
1678	16.08	1.1	0	13,14	-153061	-153061	-76531	-530708	-530708	SLU 52	3.467	Si
1707	16.08	1.1	0	13,14	-152779	-152779	-76389	-530708	-530708	SLU 52	3.474	Si
1736	16.08	1.1	0	13,14	-152496	-152496	-76248	-530708	-530708	SLU 52	3.48	Si
1765	16.08	1.1	0	13,14	152213	152213	-76107	530708	530708	SLU 52	3.487	Si
1794	16.08	1.1	0	13,14	151930	151930	-75965	530708	530708	SLU 52	3.493	Si
1823	16.08	1.1	0	13,14	151648	151648	-75824	530708	530708	SLU 52	3.5	Si
1852	16.08	1.1	0	13,14	165203	151365	-75682	576143	527882	SLU 52	3.487	Si
1881	16.08	1.1	0	13,14	212346	183403	-75541	703963	608012	SLU 52	3.315	Si
1910	16.08	1.1	0	13,14	259489	222672	-75400	809916	695002	SLU 52	3.121	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	16.08	1.7	0	1,2	1873809	352375	-173888	-2.02	1.92	2488178	467908	SLV 3	1.328				Si
-111	18.42	1.7	0	1,2	1740176	320028	-173737	-2.02	1.92	2452984	451117	SLV 3	1.41				Si
-81	20.11	1	0	2	1604267	287127	-173582	-2.02	1.92	2390624	427866	SLV 3	1.49				Si
-52	20.11	1	0	2	1468408	254233	-173428	-2.02	1.92	2285498	395699	SLV 3	1.556				Si
-22	20.11	1	0	2	1332613	221350	-173273	-2.02	1.92	2165964	359771	SLV 3	1.625				Si
7	20.11	1	0	2	1196902	188482	-173119	-2.02	1.92	2031642	319933	SLV 3	1.697				Si
36	20.11	1	0	2	1061315	155643	-172965	-2.02	1.92	1883430	276207	SLV 3	1.775				Si
66	20.11	1	0	2	925917	122856	-172810	-2.02	1.92	1721192	228378	SLV 3	1.859				Si
95	20.11	1	0	2	790800	90183	-172656	-2.02	1.92	1542953	175960	SLV 3	1.951				Si
125	20.11	1	0	2	656161	57845	-172501	-2.02	1.92	1346394	118694	SLV 3	2.052				Si
154	20.11	1	0	2	399670	9449	-174763	-2.02	1.92	848531	20061	SLV 1	2.123				Si
184	20.11	1	0	2	302414	23349	-174608	-2.02	1.92	642617	49616	SLV 1	2.125				Si
213	20.11	1	0	2	208795	33153	-174453	-2.02	1.92	444076	70512	SLV 1	2.127				Si
242	20.11	1	0	2	121111	-17691	-174300	-2.02	1.92	257813	-37658	SLV 1	2.129				Si
272	20.11	1	0	2	-72319	-25331	-174145	-2.02	1.92	-154084	-53970	SLV 1	2.131				Si
301	20.11	1	0	2	-186944	-33030	-173991	-2.02	1.92	-398659	-70436	SLV 1	2.133				Si
331	20.11	1	0	2	-316801	-40757	-173836	-2.02	1.92	-676178	-86992	SLV 1	2.134				Si
360	20.11	1	0	2	504984	240772	-160489	-2.02	1.92	1036794	494334	SLV 13	2.053				Si
380	20.11	1.9	0	2,3,5,6	-386864	-534976	-143257	-2.02	1.92	-743298	-1027872	SLV 9	1.921				Si
409	20.11	1.9	0	2,3,5,6	-306850	-432657	-143105	-2.02	1.92	-638255	-899935	SLV 9	2.08				Si
438	20.11	1	0	3,5,6	-231012	-330448	-142952	-2.02	1.92	-521918	-746571	SLV 9	2.259				Si
467	20.11	1	0	3,5,6	-164237	-228504	-142800	-2.02	1.92	-405045	-563540	SLV 9	2.466				Si
496	20.11	1	0	3,5,6	2538	3428	-147538	-2.02	1.92	6382	8621	SLV 1	2.515				Si
525	20.11	1	0	3,5,6	-136625	8020	-147386	-2.02	1.92	-343945	20190	SLV 1	2.517				Si
554	20.11	1	0	3,5,6	-159294	-10826	-147233	-2.02	1.92	-401430	-27283	SLV 1	2.52				Si
583	20.11	1	0	3,5,6	-196921	-14725	-147081	-2.02	1.92	-496765	-37147	SLV 1	2.523				Si
612	20.11	1	0	3,5,6	348327	287019	-142039	-2.02	1.92	790912	651707	SLV 9	2.271				Si
641	20.37	1.3	0	3,4,5,6	429851	389161	-141887	-2.02	1.92	900516	815271	SLV 9	2.095				Si
670	27.42	1.7	0	3,4,5,6	511398	489685	-141737	-2.02	1.92	1052214	1007538	SLV 9	2.058				Si
690	20.11	2.2	0	4,5,6,7,9,10	-365539	-433450	-117558	-2.02	1.92	-734514	-870973	SLV 9	2.009				Si
719	20.11	2.2	0	4,5,6,7,9,10	-291014	-348299	-117427	-2.02	1.92	-637239	-762678	SLV 9	2.19				Si
748	20.11	1.1	0	7,9,10	-217846	-263310	-117297	-2.02	1.92	-521578	-630433	SLV 9	2.394				Si
777	20.11	1.1	0	7,9,10	-147767	-178719	-117166	-2.02	1.92	-389587	-471195	SLV 9	2.637				Si
806	20.11	1.1	0	7,9,10	99662	8146	-121024	-2.02	1.92	271149	22163	SLV 1	2.721				Si
835	20.11	1.1	0	7,9,10	-5985	-24172	-120894	-2.02	1.92	-16302	-65835	SLV 1	2.724				Si
864	20.11	1.1	0	7,9,10	-50961	-5791	-120763	-2.02	1.92	-138950	-15791	SLV 1	2.727				Si
893	20.11	1.1	0	7,9,10	198617	167919	-116644	-2.02	1.92	519879	439528	SLV 9	2.617				Si
922	20.11	1.1	0	7,9,10	269740	252422	-116514	-2.02	1.92	642492	601243	SLV 9	2.382				Si
951	20.37	1.6	0	7,8,9,10	343334	337381	-116383	-2.02	1.92	751050	738027	SLV 9	2.188				Si
980	27.42	2	0	7,8,9,10	418069	422517	-116253	-2.02	1.92	898090	907645	SLV 9	2.148				Si
1000	20.11	2.4	0	8,9,10,11	-286070	-374430	-92293	-2.02	1.92	-597777	-782416	SLV 9	2.09				Si
1029	17.8	2.4	0	8,9,10,11	-224686	-297297	-92186	-2.02	1.92	-507735	-671818	SLV 9	2.26				Si
1058	16.08	1.1	0	11	-79900	-218952	-92077	-2.02	1.92	-205539	-563244	SLV 9	2.572				Si
1087	16.08	1.1	0	11	76989	8208	-95024	-2.02	1.92	220187	23474	SLV 1	2.86				Si
1116	16.08	1.1	0	11	20075	-11006	-94916	-2.02	1.92	57480	-31514	SLV 1	2.863				Si
1145	16.08	1.1	0	11	-48450	-13890	-94807	-2.02	1.92	-138886	-39815	SLV 1	2.867				Si
1174	16.08	1.1	0	11	-64437	-14490	-94698	-2.02	1.92	-184925	-41583	SLV 1	2.87				Si
1203	16.08	1.1	0	11	178975	177090	-91534	-2.02	1.92	457730	452907	SLV 9	2.557				Si
1232	16.08	1.1	0	11	240800	255327	-91425	-2.02	1.92	553667	587069	SLV 9	2.299				Si
1261	16.08	1.1	0	11	303631	333770	-91316	-2.02	1.92	629682	692185	SLV 9	2.074				Si
1290	16.08	1.1	0	11	365871	410947	-91209	-2.02	1.92	683953	768217	SLV 9	1.869				Si
1310	16.08	2.1	0	11,12	-457600	-333456	-64280	-2.02	1.92	-982451	-715919	SLV 13	2.147				Si
1339	16.08	2.1	0	11,12	-369672	-266279	-64171	-2.02	1.92	-928834	-669050	SLV 13	2.513				Si
1368	16.08	1.1	0	12	-282231	-199185	-64063	-2.02	1.92	-828621	-584799	SLV 13	2.936				Si
1397	16.08	1.1	0	12	-195967	-132301	-63954	-2.02	1.92	-669744	-452156	SLV 13	3.418				Si
1426	16.08	1.1	0	12	79228	11995	-68793	-2.02	1.92	312994	47387	SLV 1	3.951				Si
1455	16.08	1.1	0	12	-25421	-11146	-68684	-2.02	1.92	-100586	-44103	SLV 1	3.957				Si
1484	16.08	1.1	0	12	95932	98178	-66474	-2.02	1.92	362564	371055	SLV 9	3.779				Si
1513	16.08	1.1	0	12	170527	184795	-66365	-2.02	1.92	542161	587525	SLV 9	3.179				Si
1542	16.08	1.1	0	12	250751	271915	-66256	-2.02	1.92	675123	732104	SLV 9	2.692				Si
1571	16.08	1.1	0	12	332706	359160	-66148	-2.02	1.92	753232	813124	SLV 9	2.264				Si
1600	16.08	1.1	0	12	413963	444950	-66041	-2.02	1.92	789659	848768	SLV 9	1.908				Si
1620	16.08	2.1	0	12,13,14	-407634	-370524	-42039	-2.02	1.92	-887987	-807146	SLV 13	2.178				Si
1649	16.08	2.1	0	12,13,14	-314827	-289932	-41931	-2.02	1.92	-879634	-810076	SLV 13	2.794				Si
1678	16.08	1.1	0	13,14	60245	-223184	-44376	-2.02	1.92	248581	-920892	SLV 5	4.126				Si
1707	16.08	1.1	0	13,14	33415	-152802	-44267	-2.02	1.92	162723	-744115	SLV 5	4.87				Si
1736	16.08	1.1	0	13,14	8608	-49718	-44426	-2.02	1.92	52656	-304145	SLV 1	6.117				Si
1765	16.08	1.1	0	13,14	73071	47049	-43203	-2.02	1.92	434966	280066	SLV 9	5.953				Si
1794	16.08	1.1	0	13,14	154430	141527	-43094	-2.02	1.92	691520	633742	SLV 9	4.478				Si
1823	16.08	1.1	0	13,14	240437	238925	-42985	-2.02	1.92	806277	801205	SLV 9	3.353				Si
1852	16.08	1.1	0	13,14	327571	336505	-42877	-2.02	1.92	823994	846466	SLV 9	2.515				Si
1881	16.08	1.1	0	13,14	436722	356154	-41061	-2.02	1.92	946649	772008	SLV 13	2.168				Si
1910	16.08	1.1	0	13,14	529832	436766	-40952	-2.02	1.92	925027	762544	SLV 13	1.746				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	1.7	0	1,2	739312	130813	-170619	1404111	248442	SLD 3	1.899	Si
-111	18.42	1.7	0	1,2	689758	119003	-170467	1358815	234435	SLD 3	1.97	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-81	20.11	1	0	2	639366	106991	-170313	1300994	217708	SLD 3	2.035	Si
-52	20.11	1	0	2	589004	94983	-170159	1222662	197168	SLD 3	2.076	Si
-22	20.11	1	0	2	538680	82981	-170004	1141132	175786	SLD 3	2.118	Si
7	20.11	1	0	2	488404	70987	-169850	1056276	153523	SLD 3	2.163	Si
36	20.11	1	0	2	334317	12327	-170654	726871	26801	SLD 1	2.174	Si
66	20.11	1	0	2	298366	10351	-170500	649295	22526	SLD 1	2.176	Si
95	20.11	1	0	2	262518	8408	-170345	571800	18314	SLD 1	2.178	Si
125	20.11	1	0	2	226845	6565	-170191	494549	14312	SLD 1	2.18	Si
154	20.11	1	0	2	191553	5743	-170036	417986	12532	SLD 1	2.182	Si
184	20.11	1	0	2	157138	13061	-169882	343202	28527	SLD 1	2.184	Si
213	20.11	1	0	2	125156	18045	-169726	273601	39448	SLD 1	2.186	Si
242	20.11	1	0	2	95612	-2094	-169573	209204	-4581	SLD 1	2.188	Si
272	20.11	1	0	2	11473	-4049	-169419	25127	-8868	SLD 1	2.19	Si
301	20.11	1	0	2	-29177	-6030	-169264	-63957	-13218	SLD 1	2.192	Si
331	20.11	1	0	2	-76442	-8022	-169110	-167717	-17602	SLD 1	2.194	Si
360	20.11	1	0	2	-124449	-9987	-168958	-273292	-21932	SLD 1	2.196	Si
380	20.11	1.9	0	2,3,5,6	-232623	-245591	-142188	-558862	-590018	SLD 9	2.402	Si
409	20.11	1.9	0	2,3,5,6	-184665	-198829	-142035	-464910	-500568	SLD 9	2.518	Si
438	20.11	1	0	3,5,6	-3448	-18242	-143809	-8897	-47064	SLD 1	2.58	Si
467	20.11	1	0	3,5,6	11228	-13390	-143657	29000	-34584	SLD 1	2.583	Si
496	20.11	1	0	3,5,6	-4299	-8227	-143505	-11114	-21272	SLD 1	2.586	Si
525	20.11	1	0	3,5,6	-53620	1121	-143353	-138784	2902	SLD 1	2.588	Si
554	20.11	1	0	3,5,6	-42324	-1124	-143200	-109663	-2911	SLD 1	2.591	Si
583	20.11	1	0	3,5,6	-37370	4182	-143048	-96930	10847	SLD 1	2.594	Si
612	20.11	1	0	3,5,6	2472	9062	-142896	6418	23531	SLD 1	2.597	Si
641	20.37	1.3	0	3,4,5,6	253982	177237	-140817	642971	448686	SLD 9	2.532	Si
670	27.42	1.7	0	3,4,5,6	302688	223176	-140668	777968	573607	SLD 9	2.57	Si
690	20.11	2.2	0	4,5,6,7,9,10	-201159	-203121	-116665	-510711	-515691	SLD 9	2.539	Si
719	20.11	2.2	0	4,5,6,7,9,10	-159047	-163400	-116535	-424901	-436530	SLD 9	2.672	Si
748	20.11	1.1	0	7,9,10	25347	-14429	-117982	70741	-40270	SLD 1	2.791	Si
777	20.11	1.1	0	7,9,10	26383	-9243	-117851	73713	-25823	SLD 1	2.794	Si
806	20.11	1.1	0	7,9,10	44186	-3689	-117721	123590	-10317	SLD 1	2.797	Si
835	20.11	1.1	0	7,9,10	7854	-11810	-117590	21991	-33069	SLD 1	2.8	Si
864	20.11	1.1	0	7,9,10	2474	3065	-117460	6934	8591	SLD 1	2.803	Si
893	20.11	1.1	0	7,9,10	5449	8945	-117329	15291	25102	SLD 1	2.806	Si
922	20.11	1.1	0	7,9,10	157386	117396	-115621	440977	328930	SLD 9	2.802	Si
951	20.37	1.6	0	7,8,9,10	198862	157003	-115491	530761	419040	SLD 9	2.669	Si
980	27.42	2	0	7,8,9,10	240992	196715	-115360	654835	534521	SLD 9	2.717	Si
1000	20.11	2.4	0	8,9,10,11	-167827	-175356	-91631	-451112	-471349	SLD 9	2.688	Si
1029	17.8	2.4	0	8,9,10,11	-132316	-140055	-91524	-368106	-389637	SLD 9	2.782	Si
1058	16.08	1.1	0	11	9711	-11149	-92630	28491	-32710	SLD 1	2.934	Si
1087	16.08	1.1	0	11	15018	-8436	-92521	44113	-24779	SLD 1	2.937	Si
1116	16.08	1.1	0	11	2641	-11542	-92412	7767	-33943	SLD 1	2.941	Si
1145	16.08	1.1	0	11	-16048	-7811	-92304	-47249	-22997	SLD 1	2.944	Si
1174	16.08	1.1	0	11	-9564	-2819	-92195	-28193	-8310	SLD 1	2.948	Si
1203	16.08	1.1	0	11	-6778	120	-92086	-20003	353	SLD 1	2.951	Si
1232	16.08	1.1	0	11	134749	113019	-90763	380668	319280	SLD 9	2.825	Si
1261	16.08	1.1	0	11	171022	148914	-90654	455316	396457	SLD 9	2.662	Si
1290	16.08	1.1	0	11	206923	184235	-90547	521292	464133	SLD 9	2.519	Si
1310	16.08	2.1	0	11,12	-261848	-164579	-65471	-805089	-506022	SLD 13	3.075	Si
1339	16.08	2.1	0	11,12	-212172	-131417	-65362	-706346	-437504	SLD 13	3.329	Si
1368	16.08	1.1	0	12	-162722	-98292	-65253	-589291	-355959	SLD 13	3.621	Si
1397	16.08	1.1	0	12	-113812	-65260	-65144	-451538	-258912	SLD 13	3.967	Si
1426	16.08	1.1	0	12	14428	-691	-67047	58481	-2801	SLD 1	4.053	Si
1455	16.08	1.1	0	12	-15627	-4174	-66938	-63445	-16946	SLD 1	4.06	Si
1484	16.08	1.1	0	12	-14536	4674	-66829	-59113	19006	SLD 1	4.067	Si
1513	16.08	1.1	0	12	92397	86355	-65880	358999	335521	SLD 9	3.885	Si
1542	16.08	1.1	0	12	138948	127278	-65771	490545	449343	SLD 9	3.53	Si
1571	16.08	1.1	0	12	186314	168258	-65662	602195	543836	SLD 9	3.232	Si
1600	16.08	1.1	0	12	233199	208554	-65555	693244	619980	SLD 9	2.973	Si
1620	16.08	2.1	0	12,13,14	-243335	-204919	-42691	-872431	-734698	SLD 13	3.585	Si
1649	16.08	2.1	0	12,13,14	-189256	-159743	-42582	-791146	-667772	SLD 13	4.18	Si
1678	16.08	1.1	0	13,14	-61784	-114849	-43186	-321672	-597944	SLD 9	5.206	Si
1707	16.08	1.1	0	13,14	-12691	-78704	-43427	-75251	-466678	SLD 5	5.93	Si
1736	16.08	1.1	0	13,14	-5908	-25030	-43420	-36979	-156664	SLD 1	6.259	Si
1765	16.08	1.1	0	13,14	-13731	10049	-43311	-86160	63058	SLD 1	6.275	Si
1794	16.08	1.1	0	13,14	85073	77486	-42751	470240	428301	SLD 9	5.527	Si
1823	16.08	1.1	0	13,14	136472	129154	-42643	642363	607920	SLD 9	4.707	Si
1852	16.08	1.1	0	13,14	188431	180924	-42534	756491	726353	SLD 9	4.015	Si
1881	16.08	1.1	0	13,14	248205	202394	-41712	895420	730152	SLD 13	3.608	Si
1910	16.08	1.1	0	13,14	302435	247580	-41603	933733	764373	SLD 13	3.087	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	153	-274240	SLU 51	17927	36368	37750	1.65	238.36	-3000	-258671	SLU 46	17432	44649	45059	1.95	14.88	Si
-111	5X/2Y Ø8/10	153	-274043	SLU 51	17927	36368	37832	1.65	238.36	-3000	-258473	SLU 46	17432	44649	45142	1.95	14.88	Si
-81	5X/2Y Ø8/10	153	-273842	SLU 51	17927	36368	37915	1.65	238.36	-3000	-258273	SLU 46	17432	44649	45227	1.95	14.88	Si
-52	5X/2Y Ø8/10	153	-273642	SLU 51	17927	36368	37998	1.65	238.36	-3000	-258072	SLU 46	17432	44649	45311	1.95	14.88	Si
-22	5X/2Y Ø8/14.7	153	-273441	SLU 51	17927	32154	32852	2.15	210.73	-3229	-210275	SLU 33	17432	38839	55609	2.5	12.03	Si
7	5X/2Y Ø8/14.7	153	-273240	SLU 51	17927	32154	32924	2.15	210.73	-3229	-210075	SLU 33	17432	38839	55681	2.5	12.03	Si
36	5X/2Y Ø8/14.7	153	-273039	SLU 51	17927	32154	32996	2.15	210.73	-3229	-209874	SLU 33	17432	38839	55753	2.5	12.03	Si
66	5X/2Y Ø8/14.7	153	-272839	SLU 51	17927	32154	33067	2.15	210.73	-3229	-209673	SLU 33	17432	38839	55825	2.5	12.03	Si
95	5X/2Y Ø8/14.7	153	-272638	SLU 51	17927	32154	33139	2.15	210.73	-3229	-209472	SLU 33	17432	38839	55897	2.5	12.03	Si
125	5X/2Y Ø8/14.7	153	-272437	SLU 51	17927	32154	33211	2.15	210.73	-3229	-209272	SLU 33	17432	38839	55969	2.5	12.03	Si
154	5X/2Y Ø8/14.7	153	-272236	SLU 51	17927	32154	33282	2.15	210.73	-3229	-209071	SLU 33	17432	38839	56041	2.5	12.03	Si
184	5X/2Y Ø8/14.7	153	-272036	SLU 51	17927	32154	33354	2.15	210.73	-3229	-208870	SLU 33	17432	38839	56113	2.5	12.03	Si
213	5X/2Y Ø8/14.7	153	-271833	SLU 51	17927	32901	32930	2.2	215.63	-3229	-208668	SLU 33	17432	38839	56186	2.5	12.03	Si
242	5X/2Y Ø8/10	153	-271634	SLU 51	17927	37467	38283	1.7	245.56	-3000	-256064	SLU 46	17432	44644	46158	1.95	14.88	Si
272	5X/2Y Ø8/10	153	-271433	SLU 51	17927	37467	38364	1.7	245.56	-3000	-255864	SLU 46	17432	44644	46243	1.95	14.88	Si
301	5X/2Y Ø8/10	153	-271233	SLU 51	17927	37467	38446	1.7	245.56	-3000	-255663	SLU 46	17432	44644	46328	1.95	14.88	Si
331	5X/2Y Ø8/10	153	-271032	SLU 51	17927	37467	38528	1.7	245.56	-3000	-255462	SLU 46	17432	44644	46413	1.95	14.88	Si
360	5X/2Y Ø8/10	153	-270835	SLU 51	17927	37467	38609	1.7	245.56	-3000	-255265	SLU 46	17432	45789	45804	2	15.26	Si
380	5X/2Y Ø8/10	739	-232115	SLU 52	17927	47384	47608	2.15	64.1	3657	-218244	SLU 46	17432	53802	55119	2.35	14.71	Si
409	5X/2Y Ø8/10	739	-231917	SLU 52	17927	47384	47679	2.15	64.1	3657	-218046	SLU 46	17432	53802	55194	2.35	14.71	Si
438	5X/2Y Ø8/10	739	-231719	SLU 52	17927	47384	47750	2.15	64.1	3657	-217848	SLU 46	17432	53802	55268	2.35	14.71	Si
467	5X/2Y Ø8/14.4	739	-231521	SLU 52	17927	38145	43123	2.5	51.6	3657	-217650	SLU 46	17432	39625	52966	2.5	10.83	Si
496	5X/2Y Ø8/14.4	739	-231323	SLU 52	17927	38145	43186	2.5	51.6	3657	-217452	SLU 46	17432	39625	53037	2.5	10.83	Si
525	5X/2Y Ø8/14.4	739	-231125	SLU 52	17927	38145	43250	2.5	51.6	3657	-217254	SLU 46	17432	39625	53108	2.5	10.83	Si
554	5X/2Y Ø8/14.4	739	-230927	SLU 52	17927	38145	43314	2.5	51.6	3657	-217056	SLU 46	17432	39625	53179	2.5	10.83	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
583	5X/2Y Ø8/14.4	739	-230729	SLU 52	17927	38145	43377	2.5	51.6	3657	-216859	SLU 46	17432	39625	53250	2.5	10.83	Si
612	5X/2Y Ø8/10	739	-230531	SLU 52	17927	47384	48174	2.15	64.1	3657	-216661	SLU 46	17432	53802	55712	2.35	14.71	Si
641	5X/2Y Ø8/10	739	-230333	SLU 52	17927	47384	48244	2.15	64.1	3657	-216463	SLU 46	17432	54947	54972	2.4	15.02	Si
670	5X/2Y Ø8/10	739	-230139	SLU 52	17927	47384	48314	2.15	64.1	3657	-216268	SLU 46	17432	54947	55043	2.4	15.02	Si
690	5X/2Y Ø8/10	714	-191961	SLU 52	15366	44078	45298	2	61.76	1182	-191779	SLU 51	15029	44514	45524	2.3	37.67	Si
719	5X/2Y Ø8/10	714	-191792	SLU 52	15366	44078	45362	2	61.76	1182	-191610	SLU 51	15029	44514	45587	2.3	37.67	Si
748	5X/2Y Ø8/10	714	-191622	SLU 52	15366	44078	45425	2	61.76	1182	-191440	SLU 51	15029	44514	45651	2.3	37.67	Si
777	5X/2Y Ø8/14.4	714	-191453	SLU 52	15366	38145	39214	2.5	53.44	1185	-189331	SLU 49	15029	33497	43795	2.5	28.27	Si
806	5X/2Y Ø8/14.4	714	-191283	SLU 52	15366	38145	39269	2.5	53.44	1185	-189161	SLU 49	15029	33497	43855	2.5	28.27	Si
835	5X/2Y Ø8/14.4	714	-191113	SLU 52	15366	38145	39323	2.5	53.44	1185	-188991	SLU 49	15029	33497	43915	2.5	28.27	Si
864	5X/2Y Ø8/14.4	714	-190944	SLU 52	15366	38145	39378	2.5	53.44	1185	-188822	SLU 49	15029	33497	43975	2.5	28.27	Si
893	5X/2Y Ø8/14.4	714	-190774	SLU 52	15366	38145	39433	2.5	53.44	1185	-188652	SLU 49	15029	33497	44035	2.5	28.27	Si
922	5X/2Y Ø8/10	714	-190604	SLU 52	15366	44078	45805	2	61.76	1182	-190422	SLU 51	15029	44514	46032	2.3	37.67	Si
951	5X/2Y Ø8/10	714	-190435	SLU 52	15366	45180	45185	2.05	63.3	1182	-190253	SLU 51	15029	44514	46096	2.3	37.67	Si
980	5X/2Y Ø8/10	714	-190265	SLU 52	15366	45180	45248	2.05	63.3	1182	-190083	SLU 51	15029	44514	46159	2.3	37.67	Si
1000	4X/2Y Ø8/10	529	-152665	SLU 52	12805	37907	38694	2.15	71.64	1059	-152665	SLU 52	12600	37953	38666	2.4	35.83	Si
1029	4X/2Y Ø8/10	529	-152526	SLU 52	12805	37907	38744	2.15	71.64	1059	-152526	SLU 52	12600	37953	38716	2.4	35.83	Si
1058	4X/2Y Ø8/10	529	-152385	SLU 52	12805	37907	38794	2.15	71.64	1059	-152385	SLU 52	12600	37953	38766	2.4	35.83	Si
1087	4X/2Y Ø8/14.4	529	-152243	SLU 52	12805	30516	35029	2.5	57.67	1063	-150240	SLU 50	12600	27370	38395	2.5	25.75	Si
1116	4X/2Y Ø8/14.4	529	-152102	SLU 52	12805	30516	35075	2.5	57.67	1063	-150098	SLU 50	12600	27370	38444	2.5	25.75	Si
1145	4X/2Y Ø8/14.4	529	-151961	SLU 52	12805	30516	35120	2.5	57.67	1063	-149957	SLU 50	12600	27370	38493	2.5	25.75	Si
1174	4X/2Y Ø8/14.4	529	-151819	SLU 52	12805	30516	35166	2.5	57.67	1063	-149816	SLU 50	12600	27370	38542	2.5	25.75	Si
1203	4X/2Y Ø8/14.4	529	-151678	SLU 52	12805	30516	35211	2.5	57.67	1063	-149674	SLU 50	12600	27370	38591	2.5	25.75	Si
1232	4X/2Y Ø8/10	529	-151537	SLU 52	12805	37907	39097	2.15	71.64	1059	-151537	SLU 52	12600	37953	39069	2.4	35.83	Si
1261	4X/2Y Ø8/10	529	-151395	SLU 52	12805	37907	39148	2.15	71.64	1059	-151395	SLU 52	12600	37953	39119	2.4	35.83	Si
1290	4X/2Y Ø8/10	529	-151256	SLU 52	12805	37907	39197	2.15	71.64	1059	-151256	SLU 52	12600	37953	39169	2.4	35.83	Si
1310	4X/2Y Ø8/10	667	-113192	SLU 52	12805	42315	43268	2.4	63.44	1332	-111006	SLU 49	12600	39534	45230	2.5	29.67	Si
1339	4X/2Y Ø8/10	667	-113051	SLU 52	12805	42315	43268	2.4	63.44	1332	-110865	SLU 49	12600	39534	45230	2.5	29.67	Si
1368	4X/2Y Ø8/10	667	-112909	SLU 52	12805	42315	43268	2.4	63.44	1332	-110724	SLU 49	12600	39534	45230	2.5	29.67	Si
1397	4X/2Y Ø8/14.4	667	-112768	SLU 52	12805	30516	42024	2.5	45.75	1332	-110582	SLU 49	12600	27370	45230	2.5	20.54	Si
1426	4X/2Y Ø8/14.4	667	-112627	SLU 52	12805	30516	42024	2.5	45.75	1332	-110441	SLU 49	12600	27370	45230	2.5	20.54	Si
1455	4X/2Y Ø8/14.4	667	-112485	SLU 52	12805	30516	42024	2.5	45.75	1332	-110299	SLU 49	12600	27370	45230	2.5	20.54	Si
1484	4X/2Y Ø8/14.4	667	-112344	SLU 52	12805	30516	42024	2.5	45.75	1332	-110158	SLU 49	12600	27370	45230	2.5	20.54	Si
1513	4X/2Y Ø8/14.4	667	-112203	SLU 52	12805	30516	42024	2.5	45.75	1332	-110017	SLU 49	12600	27370	45230	2.5	20.54	Si
1542	4X/2Y Ø8/10	667	-112061	SLU 52	12805	42315	43268	2.4	63.44	1332	-109875	SLU 49	12600	39534	45230	2.5	29.67	Si
1571	4X/2Y Ø8/10	667	-111920	SLU 52	12805	42315	43268	2.4	63.44	1332	-109734	SLU 49	12600	39534	45230	2.5	29.67	Si
1600	4X/2Y Ø8/10	667	-111781	SLU 52	12805	42315	43268	2.4	63.44	1332	-109595	SLU 49	12600	39534	45230	2.5	29.67	Si
1620	4X/2Y Ø8/10	1354	-76813	SLU 52	12805	42315	43268	2.4	31.25	1635	-76758	SLU 51	12600	39534	45230	2.5	24.18	Si
1649	4X/2Y Ø8/10	1354	-76672	SLU 52	12805	42315	43268	2.4	31.25	1635	-76617	SLU 51	12600	39534	45230	2.5	24.18	Si
1678	4X/2Y Ø8/10	1354	-76531	SLU 52	12805	42315	43268	2.4	31.25	1635	-76475	SLU 51	12600	39534	45230	2.5	24.18	Si
1707	4X/2Y Ø8/14.4	1354	-76389	SLU 52	12805	30516	42024	2.5	22.54	1635	-76334	SLU 51	12600	27370	45230	2.5	16.74	Si
1736	4X/2Y Ø8/14.4	1354	-76248	SLU 52	12805	30516	42024	2.5	22.54	1635	-76193	SLU 51	12600	27370	45230	2.5	16.74	Si
1765	4X/2Y Ø8/14.4	1354	-76107	SLU 52	12805	30516	42024	2.5	22.54	1635	-76051	SLU 51	12600	27370	45230	2.5	16.74	Si
1794	4X/2Y Ø8/14.4	1354	-75965	SLU 52	12805	30516	42024	2.5	22.54	1635	-75910	SLU 51	12600	27370	45230	2.5	16.74	Si
1823	4X/2Y Ø8/14.4	1354	-75824	SLU 52	12805	30516	42024	2.5	22.54	1635	-75769	SLU 51	12600	27370	45230	2.5	16.74	Si
1852	4X/2Y Ø8/10	1354	-75682	SLU 52	12805	42315	43268	2.4	31.25	1635	-75627	SLU 51	12600	39534	45230	2.5	24.18	Si
1881	4X/2Y Ø8/10	1354	-75541	SLU 52	12805	42315	43268	2.4	31.25	1635	-75486	SLU 51	12600	39534	45230	2.5	24.18	Si
1910	4X/2Y Ø8/10	1354	-75400	SLU 52	12805	42315	43268	2.4	31.25	1635	-75344	SLU 51	12600	39534	45230	2.5	24.18	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	1720	-170546	SLV 9	17927	55104	58834	2.5	32.04	5007	-163109	SLV 13	17432	57242	65483	2.5	11.43	Si
-111	5X/2Y Ø8/10	1720	-170394	SLV 9	17927	55104	58834	2.5	32.04	5007	-162957	SLV 13	17432	57242	65483	2.5	11.43	Si
-81	5X/2Y Ø8/10	1720	-170240	SLV 9	17927	55104	58834	2.5	32.04	5007	-162803	SLV 13	17432	57242	65483	2.5	11.43	Si
-52	5X/2Y Ø8/10	1720	-170085	SLV 9	17927	55104	58834	2.5	32.04	5007	-162649	SLV 13	17432	57242	65483	2.5	11.43	Si
-22	5X/2Y Ø8/14.7	1720	-169931	SLV 9	17927	37388	58834	2.5	21.74	5007	-162494	SLV 13	17432	38839	65483	2.5	7.76	Si
7	5X/2Y Ø8/14.7	1720	-169777	SLV 9	17927	37388	58834	2.5	21.74	5007	-162340	SLV 13	17432	38839	65483	2.5	7.76	Si
36	5X/2Y Ø8/14.7	1720	-169622	SLV 9	17927	37388	58834	2.5	21.74	5007	-162185	SLV 13	17432	38839	65483	2.5	7.76	Si
66	5X/2Y Ø8/14.7	1720	-169468	SLV 9	17927	37388	58834	2.5	21.74	5007	-162031	SLV 13	17432	38839	65483	2.5	7.76	Si
95	5X/2Y Ø8/14.7	1720	-169313	SLV 9	17927	37388	58834	2.5	21.74	5007	-161876	SLV 13	17432	38839	65483	2.5	7.76	Si
125	5X/2Y Ø8/14.7	1720	-169159	SLV 9	17927	37388	58834	2.5	21.74	5007	-161722	SLV 13	17432	38839	65483	2.5	7.76	Si
154	5X/2Y Ø8/14.7	1720	-169004	SLV 9	17927	37388	58834	2.5	21.74	5007	-161568	SLV 13	17432	38839	65483	2.5	7.76	Si
184	5X/2Y Ø8/14.7	1720	-168850	SLV 9	17927	37388	58834	2.5	21.74	5007	-161413	SLV 13	17432	38839	65483	2.5	7.76	Si
213	5X/2Y Ø8/14.7	1720	-168694	SLV 9	17927	37388	58834	2.5	21.74	5007	-161257	SLV 13	17432	38839	65483	2.5	7.76	Si
242	5X/2Y Ø8/10	1720	-168541	SLV 9	17927	55098	58834	2.5	32.03	5007	-161104	SLV 13	17432	57236	65483	2.5	11.43	Si
272	5X/2Y Ø8/10	1720	-168387	SLV 9	17927	55098	58834	2.5	32.03	5007	-160950	SLV 13	17432	57236	65483	2.5	11.43	Si
301	5X/2Y Ø8/10	1720	-168232	SLV 9	17927	55098	58834	2.5	32.03	5007	-160796	SLV 13	17432	57236	65483	2.5	11.43	Si
331	5X/2Y Ø8/10	1720	-168078	SLV 9	17927	55098	58834	2.5	32.03	5007	-160641	SLV 13	17432	57236	65483	2.5	11.43	Si
360	5X/2Y Ø8/10	1720	-167926	SLV 9	17927	55098	58834	2.5	32.03	5007	-160489	SLV 13	17432	57236	65483	2.5	11.43	Si
380	5X/2Y Ø8/10	3534	-143257	SLV 9	17927	55098	58834	2.5	15.59	3808	-136865	SLV 13	17432	57236	65483	2.5	15.03	Si
409	5X/2Y Ø8/10	3534	-143105	SLV 9	17927	55098	58834	2.5	15.59	3808	-136713	SLV 13	17432	57236	65483	2.5	15.03	Si
438	5X/2Y Ø8/10	3534	-142952	SLV 9	17927	55098	58834	2.5	15.59	3808	-136561	SLV 13	17432	57236	65483	2.5	15.03	Si
467	5X/2Y Ø8/14.4	3534	-142800	SLV 9	17927	38145	58834	2.5	10.79	3808	-136408	SLV 13	17432	39625	65483	2.5	10.41	Si
496	5X/2Y Ø8/14.4	3534	-142648	SLV 9	17927	38145	58834	2.5	10.79	3808	-136256	SLV 13	17432	39625	65483	2.5	10.41	Si
525	5X/2Y Ø8/14.4	3534	-142496	SLV 9	17927	38145	58834	2.5	10.79	3808	-136104	SLV 13	17432	39625	65483	2.5	10.41	Si
554	5X/2Y Ø8/14.4	3534	-142343	SLV 9	17927	38145	58834	2.5	10.79	3808	-135952	SLV 13	17432	39625	65483	2.5	10.41	Si
583	5X/2Y Ø8/14.4	3534	-142191	SLV 9	17927	38145	58834	2.5	10.79	3808	-135799	SLV 13	17432	39625	65483	2.5	10.41	Si
612	5X/2Y Ø8/10	3534	-142039	SLV 9	17927	55098	58834	2.5	15.59	3808	-135647	SLV 13	17432	57236	65483	2.5	15.03	Si
641	5X/2Y Ø8/10	3534	-141887	SLV 9	17927	55098	58834	2.5	15.59	3808	-135495	SLV 13	17432	57236	65483	2.5	15.03	Si
670	5X/2Y Ø8/10	3534	-141737	SLV 9	17927	55098	58834	2.5	15.59	3808	-135345	SLV 13	17432	57236	65483	2.5	15.03	Si
690	5X/2Y Ø8/10	2945	-117558	SLV 9	15366	51792	52691	2.35	17.59	3491	-112278	SLV 13	15029	48385	55356	2.5	13.86	Si
719	5X/2Y Ø8/10	2945	-117427	SLV 9	15366	51792	52691	2.35	17.59	3491	-112147	SLV 13	15029	48385	55356	2.5	13.86	Si
748	5X/2Y Ø8/10	2945	-117297	SLV 9	15366	51792	52691	2.35	17.59	3491	-112017	SLV 13	15029	48385	55356	2.5	13.86	Si
777	5X/2Y Ø8/14.4	2945	-117166	SLV 9	15366	38145	50429	2.5	12.95	3491	-111886	SLV 13	15029	33497	55356	2.5	9.59	Si
806	5X/2Y Ø8/14.4	2945	-117036	SLV 9	15366	38145	50429	2.5	12.95	3491	-111756	SLV 13	15029	33497	55356	2.5	9.59	Si
835	5X/2Y Ø8/14.4	2945	-116905	SLV 9	15366	38145	50429	2.5	12.95	3491	-111625	SLV 13	15029	33497	55356	2.5	9.59	Si
864	5X/2Y Ø8/14.4	2945	-116775	SLV 9	15366	38145	50429	2.5	12.95	3491	-111495	SLV 13	15029	33497	55356	2.5	9.59	Si
893	5X/2Y Ø8/14.4	2945	-116644	SLV 9	15366	38145	50429	2.5	12.95	3491	-111364	SLV 13	15029	33497	55356	2.5	9.59	Si
922	5X/2Y Ø8/10	2945	-116514	SLV 9	15366	51792	52691	2.35	17.59	3491	-111234	SLV 13	15029	48385	55356	2.5	13.86	Si
951	5X/2Y Ø8/10	2945	-116383	SLV 9	15366	51792	52691	2.35	17.59	3491	-111103	SLV 13	15029	48385	55356	2.5	13.86	Si
980	5X/2Y Ø8/10	2945	-116253	SLV 9	15366	51792	52691	2.35	17.59	3491	-110973	SLV 13	15029	48385	55356	2.5	13.86	Si
1000	4X/2Y Ø8/10	2713	-92293	SLV 9	12805	42315	43268	2.4	15.6	2891	-88271	SLV 13	12600	39534	45230	2.5	13.68	Si
1029	4X/2Y Ø8/10	2713	-92186	SLV 9	12805	42315	43268	2.4	15.6	2891	-88164	SLV 13	12600	39534	45230	2.5	13.68	Si
1058	4X/2Y Ø8/10	2713	-92077	SLV 9	12805	42315	43268	2.4	15.6	2891	-88055	SLV 13	12600	39534	45230	2.5	13.68	Si
1087	4X/2Y Ø8/14.4	2713	-91969	SLV 9	12805	30516	42024	2.5	11.25	2891	-87946	SLV 13	12600	27370	45230	2.5	9.47	Si
1116	4X/2Y Ø8/14.4	2713	-91860	SLV 9	12805	30516	42024	2.5	11.25	2891	-87838	SLV 13	12600	27370	45230	2.5	9.47	Si
1145	4X/2Y Ø8/14.4	2713	-91751	SLV 9	12805	30516	42024	2.5	11.25	2891	-87729	SLV 13	12600	27370	45230	2.5	9.47	Si
1174	4X/2Y Ø8/14.4	2713	-91642	SLV 9	12805	30516	42024	2.5	11.25	2891	-87620	SLV 13	12600	27370	45230	2.5	9.47	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1203	4X/2Y Ø8/14.4	2713	-91534	SLV 9	12805	30516	42024	2.5	11.25	2891	-87511	SLV 13	12600	27370	45230	2.5	9.47	Si
1232	4X/2Y Ø8/10	2713	-91425	SLV 9	12805	42315	43268	2.4	15.6	2891	-87403	SLV 13	12600	39534	45230	2.5	13.68	Si
1261	4X/2Y Ø8/10	2713	-91316	SLV 9	12805	42315	43268	2.4	15.6	2891	-87294	SLV 13	12600	39534	45230	2.5	13.68	Si
1290	4X/2Y Ø8/10	2713	-91209	SLV 9	12805	42315	43268	2.4	15.6	2891	-87187	SLV 13	12600	39534	45230	2.5	13.68	Si
1310	4X/2Y Ø8/10	3013	-67126	SLV 9	12805	42315	43268	2.4	14.04	3819	-64280	SLV 13	12600	39534	45094	2.5	10.35	Si
1339	4X/2Y Ø8/10	3013	-67018	SLV 9	12805	42315	43268	2.4	14.04	3819	-64171	SLV 13	12600	39534	45079	2.5	10.35	Si
1368	4X/2Y Ø8/10	3013	-66909	SLV 9	12805	42315	43268	2.4	14.04	3819	-64063	SLV 13	12600	39534	45064	2.5	10.35	Si
1397	4X/2Y Ø8/14.4	3013	-66800	SLV 9	12805	30516	42024	2.5	10.13	3819	-63954	SLV 13	12600	27370	45049	2.5	7.17	Si
1426	4X/2Y Ø8/14.4	3013	-66691	SLV 9	12805	30516	42024	2.5	10.13	3819	-63845	SLV 13	12600	27370	45034	2.5	7.17	Si
1455	4X/2Y Ø8/14.4	3013	-66583	SLV 9	12805	30516	42024	2.5	10.13	3819	-63736	SLV 13	12600	27370	45019	2.5	7.17	Si
1484	4X/2Y Ø8/14.4	3013	-66474	SLV 9	12805	30516	42024	2.5	10.13	3819	-63628	SLV 13	12600	27370	45004	2.5	7.17	Si
1513	4X/2Y Ø8/14.4	3013	-66365	SLV 9	12805	30516	42024	2.5	10.13	3819	-63519	SLV 13	12600	27370	44989	2.5	7.17	Si
1542	4X/2Y Ø8/10	3013	-66256	SLV 9	12805	42315	43268	2.4	14.04	3819	-63410	SLV 13	12600	39534	44974	2.5	10.35	Si
1571	4X/2Y Ø8/10	3013	-66148	SLV 9	12805	42315	43268	2.4	14.04	3819	-63301	SLV 13	12600	39534	44959	2.5	10.35	Si
1600	4X/2Y Ø8/10	3013	-66041	SLV 9	12805	42315	43268	2.4	14.04	3819	-63194	SLV 13	12600	39534	44944	2.5	10.35	Si
1620	4X/2Y Ø8/10	3369	-43747	SLV 9	11752	40552	41625	2.3	12.04	3984	-41423	SLV 15	11155	39534	41926	2.5	9.92	Si
1649	4X/2Y Ø8/10	3369	-43638	SLV 9	11738	40552	41610	2.3	12.04	3984	-41314	SLV 15	11141	39534	41911	2.5	9.92	Si
1678	4X/2Y Ø8/10	3369	-43529	SLV 9	11725	40552	41596	2.3	12.04	3984	-41205	SLV 15	11126	39534	41896	2.5	9.92	Si
1707	4X/2Y Ø8/14.4	3369	-43420	SLV 9	11711	30516	39212	2.5	9.06	3984	-41096	SLV 15	11111	27370	41881	2.5	6.87	Si
1736	4X/2Y Ø8/14.4	3369	-43312	SLV 9	11698	30516	39198	2.5	9.06	3984	-40988	SLV 15	11097	27370	41866	2.5	6.87	Si
1765	4X/2Y Ø8/14.4	3369	-43203	SLV 9	11684	30516	39184	2.5	9.06	3984	-40879	SLV 15	11082	27370	41851	2.5	6.87	Si
1794	4X/2Y Ø8/14.4	3369	-43094	SLV 9	11671	30516	39170	2.5	9.06	3984	-40770	SLV 15	11068	27370	41835	2.5	6.87	Si
1823	4X/2Y Ø8/14.4	3369	-42985	SLV 9	11657	30516	39156	2.5	9.06	3984	-40661	SLV 15	11053	27370	41820	2.5	6.87	Si
1852	4X/2Y Ø8/10	3369	-42877	SLV 9	11644	40552	41506	2.3	12.04	3984	-40553	SLV 15	11039	39534	41805	2.5	9.92	Si
1881	4X/2Y Ø8/10	3369	-42768	SLV 9	11630	40552	41492	2.3	12.04	3984	-40444	SLV 15	11024	39534	41790	2.5	9.92	Si
1910	4X/2Y Ø8/10	3369	-42659	SLV 9	11616	40552	41477	2.3	12.04	3984	-40335	SLV 15	11009	39534	41775	2.5	9.92	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	726	-169317	SLD 9	22477	55104	58834	2.5	75.89	2096	-166378	SLD 13	22496	57242	65483	2.5	27.32	Si
-111	5X/2Y Ø8/10	726	-169165	SLD 9	22477	55104	58834	2.5	75.89	2096	-166227	SLD 13	22496	57242	65483	2.5	27.32	Si
-81	5X/2Y Ø8/10	726	-169010	SLD 9	22477	55104	58834	2.5	75.89	2096	-166072	SLD 13	22496	57242	65483	2.5	27.32	Si
-52	5X/2Y Ø8/10	726	-168856	SLD 9	22477	55104	58834	2.5	75.89	2096	-165918	SLD 13	22496	57242	65483	2.5	27.32	Si
-22	5X/2Y Ø8/14.7	726	-168702	SLD 9	22477	37388	58834	2.5	51.49	2096	-165763	SLD 13	22496	38839	65483	2.5	18.53	Si
7	5X/2Y Ø8/14.7	726	-168547	SLD 9	22477	37388	58834	2.5	51.49	2096	-165609	SLD 13	22496	38839	65483	2.5	18.53	Si
36	5X/2Y Ø8/14.7	726	-168393	SLD 9	22477	37388	58834	2.5	51.49	2096	-165455	SLD 13	22496	38839	65483	2.5	18.53	Si
66	5X/2Y Ø8/14.7	726	-168238	SLD 9	22477	37388	58834	2.5	51.49	2096	-165300	SLD 13	22496	38839	65483	2.5	18.53	Si
95	5X/2Y Ø8/14.7	726	-168084	SLD 9	22477	37388	58834	2.5	51.49	2096	-165146	SLD 13	22496	38839	65483	2.5	18.53	Si
125	5X/2Y Ø8/14.7	726	-167930	SLD 9	22477	37388	58834	2.5	51.49	2096	-164991	SLD 13	22496	38839	65483	2.5	18.53	Si
154	5X/2Y Ø8/14.7	726	-167775	SLD 9	22477	37388	58834	2.5	51.49	2096	-164837	SLD 13	22496	38839	65483	2.5	18.53	Si
184	5X/2Y Ø8/14.7	726	-167621	SLD 9	22477	37388	58834	2.5	51.49	2096	-164682	SLD 13	22496	38839	65483	2.5	18.53	Si
213	5X/2Y Ø8/14.7	726	-167465	SLD 9	22477	37388	58834	2.5	51.49	2096	-164527	SLD 13	22496	38839	65483	2.5	18.53	Si
242	5X/2Y Ø8/10	726	-167312	SLD 9	22477	55098	58834	2.5	75.89	2096	-164374	SLD 13	22496	57236	65483	2.5	27.31	Si
272	5X/2Y Ø8/10	726	-167157	SLD 9	22477	55098	58834	2.5	75.89	2096	-164219	SLD 13	22496	57236	65483	2.5	27.31	Si
301	5X/2Y Ø8/10	726	-167003	SLD 9	22477	55098	58834	2.5	75.89	2096	-164065	SLD 13	22496	57236	65483	2.5	27.31	Si
331	5X/2Y Ø8/10	726	-166849	SLD 9	22477	55098	58834	2.5	75.89	2096	-163910	SLD 13	22496	57236	65483	2.5	27.31	Si
360	5X/2Y Ø8/10	726	-166697	SLD 9	22477	55098	58834	2.5	75.89	2096	-163759	SLD 13	22496	57236	65483	2.5	27.31	Si
380	5X/2Y Ø8/10	1616	-142188	SLD 9	22477	55098	58834	2.5	34.09	2099	-139644	SLD 13	22496	57236	65483	2.5	27.27	Si
409	5X/2Y Ø8/10	1616	-142035	SLD 9	22477	55098	58834	2.5	34.09	2099	-139491	SLD 13	22496	57236	65483	2.5	27.27	Si
438	5X/2Y Ø8/10	1616	-141883	SLD 9	22477	55098	58834	2.5	34.09	2099	-139339	SLD 13	22496	57236	65483	2.5	27.27	Si
467	5X/2Y Ø8/14.4	1616	-141731	SLD 9	22477	38145	58834	2.5	23.6	2099	-139187	SLD 13	22496	39625	65483	2.5	18.88	Si
496	5X/2Y Ø8/14.4	1616	-141579	SLD 9	22477	38145	58834	2.5	23.6	2099	-139035	SLD 13	22496	39625	65483	2.5	18.88	Si
525	5X/2Y Ø8/14.4	1616	-141426	SLD 9	22477	38145	58834	2.5	23.6	2099	-138882	SLD 13	22496	39625	65483	2.5	18.88	Si
554	5X/2Y Ø8/14.4	1616	-141274	SLD 9	22477	38145	58834	2.5	23.6	2099	-138730	SLD 13	22496	39625	65483	2.5	18.88	Si
583	5X/2Y Ø8/14.4	1616	-141122	SLD 9	22477	38145	58834	2.5	23.6	2099	-138578	SLD 13	22496	39625	65483	2.5	18.88	Si
612	5X/2Y Ø8/10	1616	-140970	SLD 9	22477	55098	58834	2.5	34.09	2099	-138426	SLD 13	22496	57236	65483	2.5	27.27	Si
641	5X/2Y Ø8/10	1616	-140817	SLD 9	22477	55098	58834	2.5	34.09	2099	-138273	SLD 13	22496	57236	65483	2.5	27.27	Si
670	5X/2Y Ø8/10	1616	-140668	SLD 9	22477	55098	58834	2.5	34.09	2099	-138124	SLD 13	22496	57236	65483	2.5	27.27	Si
690	5X/2Y Ø8/10	1375	-116665	SLD 9	19266	55098	50429	2.5	36.69	1822	-114544	SLD 13	19310	48385	55356	2.5	26.55	Si
719	5X/2Y Ø8/10	1375	-116535	SLD 9	19266	55098	50429	2.5	36.69	1822	-114414	SLD 13	19310	48385	55356	2.5	26.55	Si
748	5X/2Y Ø8/10	1375	-116404	SLD 9	19266	55098	50429	2.5	36.69	1822	-114283	SLD 13	19310	48385	55356	2.5	26.55	Si
777	5X/2Y Ø8/14.4	1375	-116274	SLD 9	19266	38145	50429	2.5	27.75	1822	-114153	SLD 13	19310	33497	55356	2.5	18.38	Si
806	5X/2Y Ø8/14.4	1375	-116143	SLD 9	19266	38145	50429	2.5	27.75	1822	-114022	SLD 13	19310	33497	55356	2.5	18.38	Si
835	5X/2Y Ø8/14.4	1375	-116013	SLD 9	19266	38145	50429	2.5	27.75	1822	-113892	SLD 13	19310	33497	55356	2.5	18.38	Si
864	5X/2Y Ø8/14.4	1375	-115882	SLD 9	19266	38145	50429	2.5	27.75	1822	-113761	SLD 13	19310	33497	55356	2.5	18.38	Si
893	5X/2Y Ø8/14.4	1375	-115752	SLD 9	19266	38145	50429	2.5	27.75	1822	-113631	SLD 13	19310	33497	55356	2.5	18.38	Si
922	5X/2Y Ø8/10	1375	-115621	SLD 9	19266	55098	50429	2.5	36.69	1822	-113500	SLD 13	19310	48385	55356	2.5	26.55	Si
951	5X/2Y Ø8/10	1375	-115491	SLD 9	19266	55098	50429	2.5	36.69	1822	-113370	SLD 13	19310	48385	55356	2.5	26.55	Si
980	5X/2Y Ø8/10	1375	-115360	SLD 9	19266	55098	50429	2.5	36.69	1822	-113239	SLD 13	19310	48385	55356	2.5	26.55	Si
1000	4X/2Y Ø8/10	1242	-91631	SLD 9	16055	44078	42024	2.5	33.84	1540	-89996	SLD 13	16098	39534	45230	2.5	25.68	Si
1029	4X/2Y Ø8/10	1242	-91524	SLD 9	16055	44078	42024	2.5	33.84	1540	-89889	SLD 13	16098	39534	45230	2.5	25.68	Si
1058	4X/2Y Ø8/10	1242	-91415	SLD 9	16055	44078	42024	2.5	33.84	1540	-89781	SLD 13	16098	39534	45230	2.5	25.68	Si
1087	4X/2Y Ø8/14.4	1242	-91306	SLD 9	16055	30516	42024	2.5	24.57	1540	-89672	SLD 13	16098	27370	45230	2.5	17.78	Si
1116	4X/2Y Ø8/14.4	1242	-91198	SLD 9	16055	30516	42024	2.5	24.57	1540	-89563	SLD 13	16098	27370	45230	2.5	17.78	Si
1145	4X/2Y Ø8/14.4	1242	-91089	SLD 9	16055	30516	42024	2.5	24.57	1540	-89454	SLD 13	16098	27370	45230	2.5	17.78	Si
1174	4X/2Y Ø8/14.4	1242	-90980	SLD 9	16055	30516	42024	2.5	24.57	1540	-89346	SLD 13	16098	27370	45230	2.5	17.78	Si
1203	4X/2Y Ø8/14.4	1242	-90871	SLD 9	16055	30516	42024	2.5	24.57	1540	-89237	SLD 13	16098	27370	45230	2.5	17.78	Si
1232	4X/2Y Ø8/10	1242	-90763	SLD 9	16055	44078	42024	2.5	33.84	1540	-89128	SLD 13	16098	39534	45230	2.5	25.68	Si
1261	4X/2Y Ø8/10	1242	-90654	SLD 9	16055	44078	42024	2.5	33.84	1540	-89019	SLD 13	16098	39534	45230	2.5	25.68	Si
1290	4X/2Y Ø8/10	1242	-90547	SLD 9	16055	44078	42024	2.5	33.84	1540	-88912	SLD 13	16098	39534	45230	2.5	25.68	Si
1310	4X/2Y Ø8/10	1415	-66641	SLD 9	14602	44078	42024	2.5	29.7	2031	-65471	SLD 13	14378	39534	45230	2.5	19.47	Si
1339	4X/2Y Ø8/10	1415	-66532	SLD 9	14589	44078	42024	2.5	29.7	2031	-65362	SLD 13	14363	39534	45230	2.5	19.47	Si
1368	4X/2Y Ø8/10	1415	-66424	SLD 9	14575	44078	42024	2.5	29.7	2031	-65253	SLD 13	14348	39534	45229	2.5	19.47	Si
1397	4X/2Y Ø8/14.4	1415	-66315	SLD 9	14562	30516	42024	2.5	21.56	2031	-65144	SLD 13	14334	27370	45214	2.5	13.48	Si
1426	4X/2Y Ø8/14.4	1415	-66206	SLD 9	14548	30516	42024	2.5	21.56	2031	-65036	SLD 13	14319	27370	45199	2.5	13.48	Si
1455	4X/2Y Ø8/14.4	1415	-66097	SLD 9	14534	30516	42024	2.5	21.56	2031	-64927	SLD 13	14305	27370	45184	2.5	13.48	Si
1484	4X/2Y Ø8/14.4	1415	-65989	SLD 9	14521	30516	42024	2.5	21.56	2031	-64818	SLD 13	14290	27370	45169	2.5	13.48	Si
1513	4X/2Y Ø8/14.4	1415	-65880	SLD 9	14507	30516	42024	2.5	21.56	2031	-64709	SLD 13	14276	27370	45154	2.5	13.48	Si
1542	4X/2Y Ø8/10	1415	-65771	SLD 9	14494	44078	42024	2.5	29.7	2031	-64601	SLD 13	14261	39534	45139	2.5	19.47	Si
1571	4X/2Y Ø8/10	1415	-65662	SLD 9	14480	44078	42024	2.5	29.7	2031	-64492	SLD 13	14246	39534	45124	2.5	19.47	Si
1600	4X/2Y Ø8/10	1415	-65555	SLD 9	14467	44078	42024	2.5	29.7	2031	-64385	SLD 13	14232	39534	45109	2.5	19.47	Si
1620	4X/2Y Ø8/10	1787	-43404	SLD 9	11709	44078	39210	2.5	21.94	2183	-42428	SLD 15	11290	39534	42065	2.5	18.11	Si
1649	4X/2Y Ø8/10	1787	-43295	SLD 9	11696	44078	39196	2.5	21.93	2183	-42320	SLD 15	11275	39534	42050	2.5	18.11	Si
1678	4X/2Y Ø8/10	1787	-43186	SLD 9	11682	44078	39182	2.5	21.92	2183	-42211	SLD 15	11261	39534	42035	2.5	18.11	Si
1707	4X/2Y Ø8/14.4	1787	-43078	SLD 9	11669	30516	39168	2.5	17.07	2183	-42102	SLD 15	11246	27370	42020	2.5	12.54	Si
1736	4X/2Y Ø8/14.4	1787	-42969	SLD 9	11655	30516	39154	2.5	17.07	2183	-41993	SLD 15	11232	27370	42005	2.5	12.54	Si
1765	4X/2Y Ø8/14.4	1787	-42860	SLD 9	11641	30516	39140	2.5	17.07	2183	-41885	SLD 15	11217	27370	41990	2.5	12.54	Si
1794	4X/2Y Ø8/14.4	1787	-42751	SLD 9	11628	30516	39126	2.5	17.07	2183	-41776	SLD 15	11203	27370	41975	2.5	12.54	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1823	4X/2Y Ø8/14.4	1787	-42643	SLD 9	11614	30516	39112	2.5	17.07	2183	-41667	SLD 15	11188	27370	41960	2.5	12.54	Si
1852	4X/2Y Ø8/10	1787	-42534	SLD 9	11601	44078	39098	2.5	21.87	2183	-41558	SLD 15	11173	39534	41945	2.5	18.11	Si
1881	4X/2Y Ø8/10	1787	-42425	SLD 9	11587	44078	39084	2.5	21.87	2183	-41450	SLD 15	11159	39534	41930	2.5	18.11	Si
1910	4X/2Y Ø8/10	1787	-42316	SLD 9	11574	44078	39070	2.5	21.86	2183	-41341	SLD 15	11144	39534	41915	2.5	18.11	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	620176	-16900	-184416	SLE RA 7	-102.4	620176	-16900	-184416	SLE RA 7	-1477.7	Si
-111	561884	-14958	-184264	SLE RA 7	-98.7	561884	-14958	-184264	SLE RA 7	-1428.6	Si
-81	502584	-12983	-184110	SLE RA 7	-95.4	502584	-12983	-184110	SLE RA 7	-1385.4	Si
-52	443284	-11008	-183955	SLE RA 7	-93.1	443284	-11008	-183955	SLE RA 7	-1356.3	Si
-22	252552	-13123	-194397	SLE RA 13	-90.9	252552	-13123	-194397	SLE RA 13	-1337.7	Si
7	218329	-10385	-194242	SLE RA 13	-89.4	218329	-10385	-194242	SLE RA 13	-1319.2	Si
36	184107	-7647	-194088	SLE RA 13	-87.9	184107	-7647	-194088	SLE RA 13	-1300.8	Si
66	149884	-4909	-193933	SLE RA 13	-86.4	149884	-4909	-193933	SLE RA 13	-1282.3	Si
95	115662	-2172	-193779	SLE RA 13	-84.9	115662	-2172	-193779	SLE RA 13	-1263.9	Si
125	81439	566	-193625	SLE RA 13	-83.5	81439	566	-193625	SLE RA 13	-1246.3	Si
154	69146	3712	-193254	SLE RA 12	-83.2	69146	3712	-193254	SLE RA 12	-1240.9	Si
184	73321	6865	-193100	SLE RA 12	-83.5	73321	6865	-193100	SLE RA 12	-1244.3	Si
213	77537	10049	-192944	SLE RA 12	-83.9	77537	10049	-192944	SLE RA 12	-1247.7	Si
242	81671	13172	-192791	SLE RA 12	-84.2	81671	13172	-192791	SLE RA 12	-1251	Si
272	-89674	14255	-192852	SLE RA 13	-84.6	-89674	14255	-192852	SLE RA 13	-1255.8	Si
301	-268320	12697	-182102	SLE RA 7	-86.3	-123897	16993	-192698	SLE RA 13	-1272.3	Si
331	-327620	14672	-181948	SLE RA 7	-88.5	-327620	14672	-181948	SLE RA 7	-1294.8	Si
360	-385912	16614	-181796	SLE RA 7	-90.6	-385912	16614	-181796	SLE RA 7	-1321.5	Si
380	-523646	-78245	-155481	SLE RA 7	-89.5	-523646	-78245	-155481	SLE RA 7	-1266.8	Si
409	-451200	-64116	-155328	SLE RA 7	-85.8	-321179	-67911	-164575	SLE RA 13	-1224.8	Si
438	-263467	-52732	-164423	SLE RA 13	-82	-263467	-52732	-164423	SLE RA 13	-1186.1	Si
467	-205756	-37554	-164271	SLE RA 13	-78.7	-205756	-37554	-164271	SLE RA 13	-1147.5	Si
496	-148045	-22375	-164119	SLE RA 13	-75.4	-148045	-22375	-164119	SLE RA 13	-1108.9	Si
525	-90333	-7197	-163966	SLE RA 13	-72	-90333	-7197	-163966	SLE RA 13	-1070.2	Si
554	50044	8654	-163645	SLE RA 12	-70.6	50044	8654	-163645	SLE RA 12	-1051.3	Si
583	83078	23207	-163493	SLE RA 12	-72.9	83078	23207	-163493	SLE RA 12	-1076.5	Si
612	116111	37760	-163341	SLE RA 12	-75.1	116111	37760	-163341	SLE RA 12	-1101.6	Si
641	149145	52312	-163189	SLE RA 12	-77.3	149145	52312	-163189	SLE RA 12	-1124.9	Si
670	197229	68434	-163208	SLE RA 13	-76.7	197229	68434	-163208	SLE RA 13	-1108.6	Si
690	-97304	-71378	-136053	SLE RA 12	-75.9	-97304	-71378	-136053	SLE RA 12	-1091	Si
719	-73421	-57428	-135923	SLE RA 12	-73.4	-73421	-57428	-135923	SLE RA 12	-1063.8	Si
748	-49538	-43478	-135792	SLE RA 12	-70.9	-49538	-43478	-135792	SLE RA 12	-1036.6	Si
777	-25655	-29527	-135662	SLE RA 12	-68.5	-25655	-29527	-135662	SLE RA 12	-1009.4	Si
806	7176	-16114	-135652	SLE RA 13	-66.4	7176	-16114	-135652	SLE RA 13	-986.6	Si
835	29941	-1496	-135522	SLE RA 13	-66	29941	-1496	-135522	SLE RA 13	-986.1	Si
864	52706	13122	-135391	SLE RA 13	-68.1	52706	13122	-135391	SLE RA 13	-1008.7	Si
893	75471	27740	-135261	SLE RA 13	-70.5	75471	27740	-135261	SLE RA 13	-1034	Si
922	98236	42358	-135130	SLE RA 13	-72.8	98236	42358	-135130	SLE RA 13	-1059.3	Si
951	121001	56977	-135000	SLE RA 13	-75	121001	56977	-135000	SLE RA 13	-1082.5	Si
980	143766	71595	-134869	SLE RA 13	-73.5	143766	71595	-134869	SLE RA 13	-1053.6	Si
1000	-96563	-58129	-108251	SLE RA 13	-72.7	-96563	-58129	-108251	SLE RA 13	-1037.4	Si
1029	-75503	-47391	-108145	SLE RA 13	-71.5	-75503	-47391	-108145	SLE RA 13	-1028.3	Si
1058	-54505	-36758	-107946	SLE RA 12	-69.8	-54072	-36465	-108036	SLE RA 13	-1013.4	Si
1087	-33390	-25878	-107837	SLE RA 12	-67.1	-33390	-25878	-107837	SLE RA 12	-983.6	Si
1116	-12275	-14999	-107728	SLE RA 12	-64.4	-12275	-14999	-107728	SLE RA 12	-954	Si
1145	10219	-3687	-107710	SLE RA 13	-63	10219	-3687	-107710	SLE RA 13	-940.1	Si
1174	31649	7239	-107601	SLE RA 13	-64.8	31649	7239	-107601	SLE RA 13	-960.2	Si
1203	53079	18166	-107492	SLE RA 13	-67.4	53079	18166	-107492	SLE RA 13	-988.3	Si
1232	74509	29092	-107383	SLE RA 13	-70	74509	29092	-107383	SLE RA 13	-1016.4	Si
1261	95940	40018	-107275	SLE RA 13	-72.6	95940	40018	-107275	SLE RA 13	-1044.5	Si
1290	117000	50756	-107168	SLE RA 13	-75.2	117000	50756	-107168	SLE RA 13	-1072	Si
1310	-144893	-66888	-80181	SLE RA 12	-63.4	-144893	-66888	-80181	SLE RA 12	-879.4	Si
1339	-117954	-53294	-80073	SLE RA 12	-60	-117954	-53294	-80073	SLE RA 12	-842.1	Si
1368	-91014	-39700	-79964	SLE RA 12	-56.6	-91014	-39700	-79964	SLE RA 12	-804.9	Si
1397	-64075	-26107	-79855	SLE RA 12	-53.1	-64075	-26107	-79855	SLE RA 12	-767.6	Si
1426	-37135	-12513	-79746	SLE RA 12	-49.7	-37135	-12513	-79746	SLE RA 12	-730.4	Si
1455	-10196	1081	-79638	SLE RA 12	-46.6	-10196	1081	-79638	SLE RA 12	-695.4	Si
1484	17269	14774	-79592	SLE RA 13	-48.5	17269	14774	-79592	SLE RA 13	-715.4	Si
1513	43787	28527	-79483	SLE RA 13	-51.8	43787	28527	-79483	SLE RA 13	-750.6	Si
1542	70305	42280	-79375	SLE RA 13	-55.1	70305	42280	-79375	SLE RA 13	-785.8	Si
1571	96822	56033	-79266	SLE RA 13	-58.4	96822	56033	-79266	SLE RA 13	-821	Si
1600	122883	69549	-79159	SLE RA 13	-61.6	122883	69549	-79159	SLE RA 13	-855.6	Si
1620	-148166	-120596	-54417	SLE RA 13	-54.7	-148166	-120596	-54417	SLE RA 13	-717.5	Si
1649	-115234	-92736	-54309	SLE RA 13	-49.3	-115234	-92736	-54309	SLE RA 13	-660.1	Si
1678	-82302	-64877	-54200	SLE RA 13	-43.9	-82302	-64877	-54200	SLE RA 13	-602.8	Si
1707	-49370	-37018	-54091	SLE RA 13	-38.5	-49370	-37018	-54091	SLE RA 13	-545.5	Si
1736	-16438	-9158	-53982	SLE RA 13	-33.1	-16438	-9158	-53982	SLE RA 13	-488.1	Si
1765	16495	18701	-53874	SLE RA 13	-34.1	16495	18701	-53874	SLE RA 13	-497.4	Si
1794	49427	46560	-53765	SLE RA 13	-39.4	49427	46560	-53765	SLE RA 13	-552.9	Si
1823	82359	74420	-53656	SLE RA 13	-44.7	82359	74420	-53656	SLE RA 13	-608.4	Si
1852	115291	102279	-53547	SLE RA 13	-50	115291	102279	-53547	SLE RA 13	-663.8	Si
1881	148223	130138	-53439	SLE RA 13	-55.2	148223	130138	-53439	SLE RA 13	-719.3	Si
1910	181156	157998	-53330	SLE RA 13	-60.5	181156	157998	-53330	SLE RA 13	-774.8	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	2909	-16465	-168499	SLE QP 2	-73.4	Si
-111	8366	-14528	-168347	SLE QP 2	-72.3	Si
-81	13918	-12558	-168193	SLE QP 2	-71.5	Si
-52	19469	-10588	-168038	SLE QP 2	-71.5	Si
-22	25020	-8618	-167884	SLE QP 2	-71.5	Si
7	30572	-6647	-167729	SLE QP 2	-71.5	Si
36	36123	-4677	-167575	SLE QP 2	-71.4	Si
66	41675	-2707	-167421	SLE QP 2	-71.4	Si
95	47226	-737	-167266	SLE QP 2	-71.4	Si
125	52777	1233	-167112	SLE QP 2	-71.5	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
154	58329	3204	-166957	SLE QP 2	-71.8	Si
184	63880	5174	-166803	SLE QP 2	-72.1	Si
213	69485	7163	-166647	SLE QP 2	-72.4	Si
242	74983	9114	-166494	SLE QP 2	-72.7	Si
272	80534	11085	-166340	SLE QP 2	-73	Si
301	86086	13055	-166185	SLE QP 2	-73.3	Si
331	91637	15025	-166031	SLE QP 2	-73.6	Si
360	97094	16962	-165879	SLE QP 2	-73.9	Si
380	-126927	-60155	-141459	SLE QP 2	-68.2	Si
409	-97900	-49094	-141307	SLE QP 2	-66.2	Si
438	-68874	-38032	-141155	SLE QP 2	-64.3	Si
467	-39848	-26971	-141002	SLE QP 2	-62.3	Si
496	-10821	-15910	-140850	SLE QP 2	-60.3	Si
525	18205	-4848	-140698	SLE QP 2	-59.6	Si
554	47231	6213	-140546	SLE QP 2	-60.7	Si
583	76258	17275	-140393	SLE QP 2	-62.5	Si
612	105284	28336	-140241	SLE QP 2	-64.4	Si
641	134311	39397	-140089	SLE QP 2	-66.1	Si
670	162836	50268	-139939	SLE QP 2	-64.9	Si
690	-88794	-54957	-116039	SLE QP 2	-64.4	Si
719	-67206	-44239	-115909	SLE QP 2	-62.4	Si
748	-45618	-33522	-115778	SLE QP 2	-60.3	Si
777	-24030	-22804	-115648	SLE QP 2	-58.3	Si
806	-2442	-12087	-115517	SLE QP 2	-56.2	Si
835	19146	-1369	-115387	SLE QP 2	-55.9	Si
864	40734	9349	-115256	SLE QP 2	-57.6	Si
893	62321	20066	-115126	SLE QP 2	-59.6	Si
922	83909	30784	-114995	SLE QP 2	-61.5	Si
951	105497	41501	-114865	SLE QP 2	-63.3	Si
980	127085	52219	-114734	SLE QP 2	-62	Si
1000	-87907	-44845	-91148	SLE QP 2	-61.3	Si
1029	-68995	-36691	-91041	SLE QP 2	-60.2	Si
1058	-49752	-28393	-90932	SLE QP 2	-58.8	Si
1087	-30508	-20096	-90823	SLE QP 2	-56.5	Si
1116	-11264	-11799	-90715	SLE QP 2	-54.2	Si
1145	7980	-3501	-90606	SLE QP 2	-53	Si
1174	27223	4796	-90497	SLE QP 2	-54.4	Si
1203	46467	13093	-90388	SLE QP 2	-56.5	Si
1232	65711	21390	-90280	SLE QP 2	-58.7	Si
1261	84955	29688	-90171	SLE QP 2	-60.9	Si
1290	103867	37842	-90064	SLE QP 2	-63	Si
1310	-130656	-51856	-66276	SLE QP 2	-52.8	Si
1339	-106152	-41291	-66167	SLE QP 2	-49.8	Si
1368	-81648	-30726	-66059	SLE QP 2	-46.9	Si
1397	-57144	-20160	-65950	SLE QP 2	-44	Si
1426	-32640	-9595	-65841	SLE QP 2	-41.1	Si
1455	-8137	971	-65732	SLE QP 2	-38.4	Si
1484	16367	11536	-65624	SLE QP 2	-40.1	Si
1513	40871	22102	-65515	SLE QP 2	-42.9	Si
1542	65375	32667	-65406	SLE QP 2	-45.7	Si
1571	89879	43233	-65297	SLE QP 2	-48.4	Si
1600	113960	53616	-65191	SLE QP 2	-51.2	Si
1620	-131936	-92941	-43142	SLE QP 2	-44.1	Si
1649	-103377	-71579	-43033	SLE QP 2	-39.7	Si
1678	-74818	-50217	-42924	SLE QP 2	-35.3	Si
1707	-46259	-28854	-42815	SLE QP 2	-30.9	Si
1736	-17700	-7492	-42707	SLE QP 2	-26.6	Si
1765	10859	13870	-42598	SLE QP 2	-26.7	Si
1794	39418	35232	-42489	SLE QP 2	-31	Si
1823	67977	56595	-42380	SLE QP 2	-35.3	Si
1852	96536	77957	-42272	SLE QP 2	-39.5	Si
1881	125095	99319	-42163	SLE QP 2	-43.8	Si
1910	153654	120682	-42054	SLE QP 2	-48	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

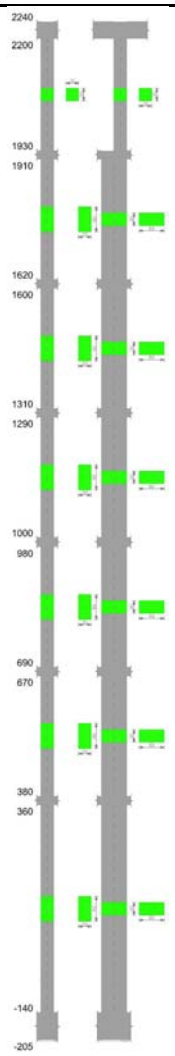
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.

Pilastro 53

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60	No	No	No	No		C30/37	B450C	
380	670	R 30x60	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x60	No	No	No	No		C30/37	B450C	
1310	1600	R 30x60	No	No	No	No		C30/37	B450C	
1620	1910	R 30x60	No	No	No	No		C30/37	B450C	
1930	2200	R 30x30 1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	12.85	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.5	-9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.6	-9.67	-24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.67	-24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.67	24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.67	24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.9	-12.85	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.9	0	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.9	12.85	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.9	-12.85	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.9	0	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.9	12.85	1.6	2.011	1310	1620	R 30x60	B450C
p.7	-9.67	-24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.7	9.67	-24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.9	9.67	24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.9	-9.67	24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.10	-9.9	-12.85	1.6	2.011	1620	1910	R 30x60	B450C
p.10	-9.9	0	1.6	2.011	1620	1910	R 30x60	B450C
p.10	9.9	-12.85	1.6	2.011	1620	1910	R 30x60	B450C
p.10	9.9	0	1.6	2.011	1620	1910	R 30x60	B450C
p.9	-9.9	12.85	1.6	2.011	1620	1910	R 30x60	B450C
p.9	9.9	12.85	1.6	2.011	1620	1910	R 30x60	B450C
p.15	-9.67	5.33	1.6	2.011	1920	2240	R 30x30_1	B450C
p.15	9.67	5.33	1.6	2.011	1920	2240	R 30x30_1	B450C
p.15	9.67	24.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.15	-9.67	24.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.16	-9.9	15	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.17	9.9	15	1.6	2.011	1930.1	2240	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	472268	472268	-174108	818158	818158	SLU 52	1.732	Si
-111	20.11	2.2	0	1,2	471810	471810	-173939	818158	818158	SLU 52	1.734	Si
-81	20.11	1.1	0	2	471343	471343	-173767	818158	818158	SLU 52	1.736	Si
-52	20.11	1.1	0	2	470876	470876	-173595	818158	818158	SLU 52	1.738	Si
-22	20.11	1.1	0	2	470410	470410	-173423	818158	818158	SLU 52	1.739	Si
7	20.11	1.1	0	2	469943	469943	-173251	818158	818158	SLU 52	1.741	Si
36	20.11	1.1	0	2	469476	469476	-173079	818158	818158	SLU 52	1.743	Si
66	20.11	1.1	0	2	469009	469009	-172907	818158	818158	SLU 52	1.744	Si
95	20.11	1.1	0	2	468543	468543	-172735	818158	818158	SLU 52	1.746	Si
125	20.11	1.1	0	2	468076	468076	-172563	818158	818158	SLU 52	1.748	Si
154	20.11	1.1	0	2	467609	-467609	-172391	818158	-818158	SLU 52	1.75	Si
184	20.11	1.1	0	2	467143	-467143	-172218	818158	-818158	SLU 52	1.751	Si
213	20.11	1.1	0	2	466671	-466671	-172045	818158	-818158	SLU 52	1.753	Si
242	20.11	1.1	0	2	466209	-466209	-171874	818158	-818158	SLU 52	1.755	Si
272	20.11	1.1	0	2	465742	-465742	-171702	818158	-818158	SLU 52	1.757	Si
301	20.11	1.1	0	2	465276	-465276	-171530	818158	-818158	SLU 52	1.758	Si
331	20.11	1.1	0	2	-464809	-464809	-171358	-818158	-818158	SLU 52	1.76	Si
360	20.11	1.1	0	2	-464350	-464350	-171189	-818158	-818158	SLU 52	1.762	Si
380	20.11	2.2	0	2,3	-292054	292054	-146027	-647491	647491	SLU 52	2.217	Si
409	20.11	2.2	0	2,3	-291715	291715	-145857	-647491	647491	SLU 52	2.22	Si
438	20.11	1.1	0	3	-291375	291375	-145688	-647491	647491	SLU 52	2.222	Si
467	20.11	1.1	0	3	-291036	291036	-145518	-647491	647491	SLU 52	2.225	Si
496	20.11	1.1	0	3	-290697	290697	-145348	-647491	647491	SLU 52	2.227	Si
525	20.11	1.1	0	3	-290357	-290357	-145179	-647491	-647491	SLU 52	2.23	Si
554	20.11	1.1	0	3	290018	-290018	-145009	647491	-647491	SLU 52	2.233	Si
583	20.11	1.1	0	3	289679	-289679	-144839	647491	-647491	SLU 52	2.235	Si
612	20.11	1.1	0	3	289340	-289340	-144670	647491	-647491	SLU 52	2.238	Si
641	20.11	1.1	0	3	289000	-289000	-144500	647491	-647491	SLU 52	2.24	Si
670	20.11	1.1	0	3	288667	-288667	-144333	647491	-647491	SLU 52	2.243	Si
690	20.11	2.2	0	3,4	239604	239604	-119802	647491	647491	SLU 52	2.702	Si
719	20.11	2.2	0	3,4	239265	239265	-119632	647491	647491	SLU 52	2.706	Si
748	20.11	1.1	0	4	238926	238926	-119463	647491	647491	SLU 52	2.71	Si
777	20.11	1.1	0	4	238586	238586	-119293	647491	647491	SLU 52	2.714	Si
806	20.11	1.1	0	4	238247	238247	-119124	647491	647491	SLU 52	2.718	Si
835	20.11	1.1	0	4	237908	237908	-118954	647491	647491	SLU 52	2.722	Si
864	20.11	1.1	0	4	237568	-237568	-118784	647491	-647491	SLU 52	2.725	Si
893	20.11	1.1	0	4	237229	-237229	-118615	647491	-647491	SLU 52	2.729	Si
922	20.11	1.1	0	4	236890	-236890	-118445	647491	-647491	SLU 52	2.733	Si
951	20.11	1.1	0	4	236551	-236551	-118275	647491	-647491	SLU 52	2.737	Si
980	20.11	1.1	0	4	236217	-236217	-118109	647491	-647491	SLU 52	2.741	Si
1000	20.11	2.2	0	4,5	-188138	188138	-94069	-647491	647491	SLU 52	3.442	Si
1029	20.11	2.2	0	4,5	-187798	187798	-93899	-647491	647491	SLU 52	3.448	Si
1058	20.11	1.1	0	5	-187459	187459	-93730	-647491	647491	SLU 52	3.454	Si
1087	20.11	1.1	0	5	187120	187120	-93560	647491	647491	SLU 52	3.46	Si
1116	20.11	1.1	0	5	186780	186780	-93390	647491	647491	SLU 52	3.467	Si
1145	20.11	1.1	0	5	186441	186441	-93221	647491	647491	SLU 52	3.473	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1174	20.11	1.1	0	5	186102	-186102	-93051	647491	-647491	SLU 52	3.479	Si
1203	20.11	1.1	0	5	185763	-185763	-92881	647491	-647491	SLU 52	3.486	Si
1232	20.11	1.1	0	5	185423	-185423	-92712	647491	-647491	SLU 52	3.492	Si
1261	20.11	1.1	0	5	185084	-185084	-92542	647491	-647491	SLU 52	3.498	Si
1290	20.11	1.1	0	5	184745	-184745	-92372	647491	-647491	SLU 52	3.505	Si
1310	20.11	2.2	0	5,6	-132953	132953	-66476	-647491	647491	SLU 52	4.87	Si
1339	20.11	2.2	0	5,6	-132619	132619	-66310	-647491	647491	SLU 52	4.882	Si
1368	20.11	1.1	0	6	-132280	132280	-66140	-647491	647491	SLU 52	4.895	Si
1397	20.11	1.1	0	6	-131941	131941	-65970	-647491	647491	SLU 52	4.907	Si
1426	20.11	1.1	0	6	-131601	131601	-65801	-647491	647491	SLU 52	4.92	Si
1455	20.11	1.1	0	6	131262	131262	-65631	647491	647491	SLU 52	4.933	Si
1484	20.11	1.1	0	6	130923	-130923	-65461	647491	-647491	SLU 52	4.946	Si
1513	20.11	1.1	0	6	130584	-130584	-65292	647491	-647491	SLU 52	4.958	Si
1542	20.11	1.1	0	6	130244	-130244	-65122	647491	-647491	SLU 52	4.971	Si
1571	20.11	1.1	0	6	129905	-129905	-64952	647491	-647491	SLU 52	4.984	Si
1600	20.11	1.1	0	6	129566	-129566	-64783	647491	-647491	SLU 52	4.997	Si
1620	20.11	2.2	0	6,7,9,10	-78315	78315	-39157	-647491	647491	SLU 52	8.268	Si
1649	20.11	2.2	0	6,7,9,10	-77981	77981	-38991	-647491	647491	SLU 52	8.303	Si
1678	20.11	1.1	0	7,9,10	-77642	77642	-38821	-647491	647491	SLU 52	8.339	Si
1707	20.11	1.1	0	7,9,10	-77303	77303	-38651	-647491	647491	SLU 52	8.376	Si
1736	20.11	1.1	0	7,9,10	-76963	76963	-38482	-647491	647491	SLU 52	8.413	Si
1765	20.11	1.1	0	7,9,10	-76624	-76624	-38312	-647491	-647491	SLU 52	8.45	Si
1794	20.11	1.1	0	7,9,10	-76285	-76285	-38142	-647491	-647491	SLU 52	8.488	Si
1823	20.11	1.1	0	7,9,10	75946	-75946	-37973	647491	-647491	SLU 52	8.526	Si
1852	20.11	1.1	0	7,9,10	75606	-75606	-37803	647491	-647491	SLU 52	8.564	Si
1881	20.11	1.1	0	7,9,10	75267	-81607	-37633	639137	-692975	SLU 52	8.492	Si
1910	39.29	3.1	0	7,8,9,10,11,12,13,14	74934	-98216	-37467	753639	-987800	SLU 52	10.057	Si
1930	20.21	3.1	0	8,9,11,12,13,14,15	125197	28552	-11227	1002914	228718	SLU 51	8.011	Si
1960	10.68	3.6	0	8,9,11,12,13,14,15,16,17	84249	24322	-12161	727742	210096	SLU 47	8.638	Si
1990	12.06	1.3	0	15,16,17	47755	24147	-12073	541805	273958	SLU 47	11.346	Si
2020	12.06	1.3	0	15,16,17	24059	24059	-12029	316346	316346	SLU 48	13.149	Si
2050	12.06	1.3	0	15,16,17	-25710	23883	-11942	-337105	313150	SLU 48	13.112	Si
2080	12.06	1.3	0	15,16,17	-61904	23708	-11854	-647129	247835	SLU 48	10.454	Si
2110	12.06	1.3	0	15,16,17	-98097	-23532	-11766	-809813	-194263	SLU 48	8.255	Si
2140	12.06	1.3	0	15,16,17	-138838	-21226	-10613	-925301	-141465	SLU 51	6.665	Si
2170	12.06	1.3	0	15,16,17	-176558	-21051	-10525	-946480	-112848	SLU 51	5.361	Si
2200	15.4	2.7	0	15,16,17	-213648	-20878	-10439	-1070413	-104604	SLU 51	5.01	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	20.11	2.2	0	1,2	1332689	-205587	-94951	-2.02	1.92	2302252	-355156	SLV 9	1.728				Si
-111	20.11	2.2	0	1,2	-962267	272903	-114366	-2.02	1.92	-1768249	501482	SLV 7	1.838				Si
-81	20.11	1.1	0	2	-874544	243483	-114234	-2.02	1.92	-1696201	472242	SLV 7	1.94				Si
-52	20.11	1.1	0	2	-786857	214091	-114101	-2.02	1.92	-1610101	438082	SLV 7	2.046				Si
-22	20.11	1.1	0	2	-699219	184739	-113969	-2.02	1.92	-1508866	398654	SLV 7	2.158				Si
7	20.11	1.1	0	2	-611647	155447	-113836	-2.02	1.92	-1392088	353793	SLV 7	2.276				Si
36	20.11	1.1	0	2	-524177	126264	-113704	-2.02	1.92	-1260637	303664	SLV 7	2.405				Si
66	20.11	1.1	0	2	-436873	97304	-113572	-2.02	1.92	-1113569	248024	SLV 7	2.549				Si
95	20.11	1.1	0	2	-349836	28368	-113439	-2.02	1.92	-975588	79109	SLV 7	2.789				Si
125	20.11	1.1	0	2	-169408	47415	-113852	-2.02	1.92	-489941	137128	SLV 3	2.892				Si
154	20.11	1.1	0	2	-110963	19921	-113720	-2.02	1.92	-321289	57680	SLV 3	2.895				Si
184	20.11	1.1	0	2	-56664	-16798	-113587	-2.02	1.92	-164258	-48695	SLV 3	2.899				Si
213	20.11	1.1	0	2	-21775	-57489	-113454	-2.02	1.92	-63197	-166846	SLV 3	2.902				Si
242	20.11	1.1	0	2	73675	-93171	-113323	-2.02	1.92	214071	-270717	SLV 3	2.906				Si
272	20.11	1.1	0	2	192799	-113319	-112645	-2.02	1.92	545217	-320456	SLV 7	2.828				Si
301	20.11	1.1	0	2	276648	-142461	-112513	-2.02	1.92	736129	-379073	SLV 7	2.661				Si
331	20.11	1.1	0	2	362745	-171736	-112381	-2.02	1.92	910259	-430949	SLV 7	2.509				Si
360	20.11	1.1	0	2	448090	-200579	-112251	-2.02	1.92	1064474	-476492	SLV 7	2.376				Si
380	20.11	2.2	0	2,3	-561480	336163	-94520	-2.02	1.92	-1266804	758448	SLV 7	2.256				Si
409	20.11	2.2	0	2,3	-455731	271653	-94390	-2.02	1.92	-1139488	679227	SLV 7	2.5				Si
438	20.11	1.1	0	3	-351459	207178	-94259	-2.02	1.92	-972566	573307	SLV 7	2.767				Si
467	20.11	1.1	0	3	-250539	142789	-94129	-2.02	1.92	-771339	439607	SLV 7	3.079				Si
496	20.11	1.1	0	3	-159529	78726	-93998	-2.02	1.92	-550164	271499	SLV 7	3.449				Si
525	20.11	1.1	0	3	-71890	16441	-95002	-2.02	1.92	-249164	56984	SLV 3	3.466				Si
554	20.11	1.1	0	3	113659	-62728	-94872	-2.02	1.92	394476	-217708	SLV 3	3.471				Si
583	20.11	1.1	0	3	230952	-116703	-93607	-2.02	1.92	739660	-373760	SLV 7	3.203				Si
612	20.11	1.1	0	3	330902	-181031	-93476	-2.02	1.92	951019	-520287	SLV 7	2.874				Si
641	20.11	1.1	0	3	434802	-245485	-93346	-2.02	1.92	1129247	-637564	SLV 7	2.597				Si
670	20.11	1.1	0	3	538546	-308875	-93218	-2.02	1.92	1265567	-725847	SLV 7	2.35				Si
690	20.11	2.2	0	3,4	-557412	284962	-76502	-2.02	1.92	-1448212	740360	SLV 7	2.598				Si
719	20.11	2.2	0	3,4	-452963	228852	-76372	-2.02	1.92	-1324220	669040	SLV 7	2.923				Si
748	20.11	1.1	0	4	-349825	172804	-76241	-2.02	1.92	-1148272	567215	SLV 7	3.282				Si
777	20.11	1.1	0	4	-249559	116913	-76111	-2.02	1.92	-921856	431869	SLV 7	3.694				Si
806	20.11	1.1	0	4	-157404	61666	-75980	-2.02	1.92	-660007	258570	SLV 7	4.193				Si
835	20.11	1.1	0	4	62829	11784	-77120	-2.02	1.92	268255	50312	SLV 3	4.27				Si
864	20.11	1.1	0	4	116664	-62903	-76989	-2.02	1.92	496997	-267971	SLV 3	4.26				Si
893	20.11	1.1	0	4	227813	-109807	-75589	-2.02	1.92	864062	-416485	SLV 7	3.793				Si
922	20.11	1.1	0	4	324730	-165683	-75458	-2.02	1.92	1096057	-559227	SLV 7	3.375				Si
951	20.11	1.1	0	4	426562	-221725	-75328	-2.02	1.92	1284294	-667570	SLV 7	3.011				Si
980	20.11	1.1	0	4	528584	-276865	-75200	-2.02	1.92	1417186	-742303	SLV 7	2.681				Si
1000	20.11	2.2	0	4,5	-333588	299930	-58915	-2.02	1.92	-1072524	964310	SLV 3	3.215				Si
1029	20.11	2.2	0	4,5	-265262	238906	-58784	-2.02	1.92	-977616	880481	SLV 3	3.685				Si
1058	20.11	1.1	0	5	191410	124849	-60098	-2.02	1.92	858633	560050	SLV 1	4.486				Si
1087	20.11	1.1	0	5	142369	83037	-59968	-2.02	1.92	705864	411698	SLV 1	4.958				Si
1116	20.11	1.1	0	5	106028	43051	-59837	-2.02	1.92	578802	235013	SLV 1	5.459				Si
1145	20.11	1.1	0	5	47413	-8372	-59707	-2.02	1.92	261470	-46171	SLV 1	5.515				Si
1174	20.11	1.1	0	5	140679	-73015	-58132	-2.02	1.92	726562	-377096	SLV 3	5.165				Si
1203	20.11	1.1	0	5	198442	-132410	-58001	-2.02	1.92	897625	-598938	SLV 3	4.523				Si
1232	20.11	1.1	0	5	263239	-192997	-57871	-2.02	1.92	1045979	-766872	SLV 3	3.973				Si
1261	20.11	1.1	0	5	442824	-223118	-53381	-2.02	1.92	1520629	-766173	SLV 7	3.434				Si
1290	20.11	1.1	0	5	534593	-277102	-53250	-2.02	1.92	1571215	-814428	SLV 7	2.939				Si
1310	20.11	2.2	0	5,6	-344598	318444	-41059	-2.02	1.92	-1136787	1050509	SLV 3	3.299				Si
1339	20.11	2.2	0	5,6	-274488	256567	-40931	-2.02	1.92	-1099625	1027829	SLV 3	4.006				Si
1368	20.11	1.1	0	6	-204277	193776	-40800	-2.02	1.92	-1002782	951233	SLV 3	4.909				Si
1397	20.11	1.1	0	6	-136872	131417	-40670	-2.02	1.92	-817985	785389	SLV 3	5.976				Si
1426	20.11	1.1	0	6	44499	70795	-40539	-2.02	1.92	333982	531350	SLV 3	7.505				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1455	20.11	1.1	0	6	33661	-6140	-41935	-2.02	1.92	264298	-48214	SLV 1	7.852				Si
1484	20.11	1.1	0	6	120744	-66095	-40278	-2.02	1.92	846043	-463122	SLV 3	7.007				Si
1513	20.11	1.1	0	6	184797	-126665	-40148	-2.02	1.92	1071854	-734682	SLV 3	5.8				Si
1542	20.11	1.1	0	6	253875	-189014	-40017	-2.02	1.92	1206390	-898176	SLV 3	4.752				Si
1571	20.11	1.1	0	6	429655	-210255	-36160	-2.02	1.92	1640137	-802615	SLV 7	3.817				Si
1600	20.11	1.1	0	6	523343	-262636	-36030	-2.02	1.92	1622957	-814470	SLV 7	3.101				Si
1620	20.11	2.2	0	6,7,9,10	-255483	297819	-23640	-2.02	1.92	-954757	1112969	SLV 3	3.737				Si
1649	20.11	2.2	0	6,7,9,10	-176258	190459	-19550	-2.02	1.92	-1020721	1102963	SLV 7	5.791				Si
1678	20.11	1.1	0	7,9,10	30870	165500	-23382	-2.02	1.92	244241	1309435	SLV 3	7.912				Si
1707	20.11	1.1	0	7,9,10	14713	99504	-23251	-2.02	1.92	154752	1046595	SLV 3	10.518				Si
1736	20.11	1.1	0	7,9,10	-58943	-31692	-24597	-2.02	1.92	-718113	-386111	SLV 9	12.183				Si
1765	20.11	1.1	0	7,9,10	-119426	12685	-24466	-2.02	1.92	-1376323	146191	SLV 9	11.525				Si
1794	20.11	1.1	0	7,9,10	136218	-107550	-22860	-2.02	1.92	1152999	-910343	SLV 3	8.464				Si
1823	20.11	1.1	0	7,9,10	275100	-143663	-18767	-2.02	1.92	1589902	-830283	SLV 7	5.779				Si
1852	20.11	1.1	0	7,9,10	361281	-198714	-18637	-2.02	1.92	1508848	-829905	SLV 7	4.176				Si
1881	20.11	1.1	0	7,9,10	447714	-253909	-18506	-2.02	1.92	1448497	-821477	SLV 7	3.235				Si
1910	39.29	3.1	0	7,8,9,10,11,12,13,14	532786	-308217	-18378	-2.02	1.92	1642200	-950014	SLV 7	3.082				Si
1930	20.21	3.1	0	8,9,11,12,13,14,15	172333	-182293	-3575	-2.02	1.92	485084	-513120	SLV 11	2.815				Si
1960	10.68	3.6	0	8,9,11,12,13,14,15,16,17	129982	-128103	-3508	-2.02	1.92	311799	-307293	SLV 11	2.399				Si
1990	12.06	1.3	0	15,16,17	54344	94994	-9155	-2.02	1.92	290731	508197	SLV 5	5.35				Si
2020	12.06	1.3	0	15,16,17	33222	29866	-10401	-2.02	1.92	362385	325772	SLV 9	10.908				Si
2050	12.06	1.3	0	15,16,17	-42009	34998	-3305	-2.02	1.92	-440250	366784	SLV 11	10.48				Si
2080	12.06	1.3	0	15,16,17	-62224	88947	-3238	-2.02	1.92	-286603	409692	SLV 11	4.606				Si
2110	12.06	1.3	0	15,16,17	-96706	143110	-3170	-2.02	1.92	-249171	368735	SLV 11	2.577				Si
2140	12.06	1.3	0	15,16,17	-136784	197301	-3103	-2.02	1.92	-240620	347078	SLV 11	1.759				Si
2170	12.06	1.3	0	15,16,17	-178472	251502	-3035	-2.02	1.92	-237563	334772	SLV 11	1.331				Si
2200	15.4	2.7	0	15,16,17	-220056	304803	-2969	-2.02	1.92	-284204	393656	SLV 11	1.292				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	20.11	2.2	0	1,2	618151	-52000	-100786	1627622	-136919	SLD 9	2.633	Si
-111	20.11	2.2	0	1,2	570634	-47153	-100656	1542986	-127502	SLD 9	2.704	Si
-81	20.11	1.1	0	2	522310	-42230	-100523	1452098	-117405	SLD 9	2.78	Si
-52	20.11	1.1	0	2	474007	-37318	-100391	1355975	-106755	SLD 9	2.861	Si
-22	20.11	1.1	0	2	425732	-32424	-100259	1254168	-95518	SLD 9	2.946	Si
7	20.11	1.1	0	2	377495	-27555	-100126	1146177	-83664	SLD 9	3.036	Si
36	20.11	1.1	0	2	-87302	78613	-108053	-266035	239557	SLD 3	3.047	Si
66	20.11	1.1	0	2	-68362	61120	-107921	-208575	186479	SLD 3	3.051	Si
95	20.11	1.1	0	2	-49558	38993	-107788	-151389	119115	SLD 3	3.055	Si
125	20.11	1.1	0	2	-31019	21465	-107656	-94872	65652	SLD 3	3.059	Si
154	20.11	1.1	0	2	-13194	7913	-107524	-40404	24232	SLD 3	3.062	Si
184	20.11	1.1	0	2	2174	-9761	-107391	6667	-29927	SLD 3	3.066	Si
213	20.11	1.1	0	2	7483	-29216	-107258	22971	-89691	SLD 3	3.07	Si
242	20.11	1.1	0	2	45420	-46142	-107127	139605	-141825	SLD 3	3.074	Si
272	20.11	1.1	0	2	72314	-63535	-106994	222544	-195525	SLD 3	3.077	Si
301	20.11	1.1	0	2	90040	-81036	-106862	277437	-249694	SLD 3	3.081	Si
331	20.11	1.1	0	2	108548	-98589	-106730	334880	-304156	SLD 3	3.085	Si
360	20.11	1.1	0	2	176563	-100112	-106416	533405	-302444	SLD 7	3.021	Si
380	20.11	2.2	0	2,3	-249580	166038	-90298	-774716	515395	SLD 7	3.104	Si
409	20.11	2.2	0	2,3	-202856	134312	-90168	-666321	441173	SLD 7	3.285	Si
438	20.11	1.1	0	3	-157018	102606	-90037	-547342	357671	SLD 7	3.486	Si
467	20.11	1.1	0	3	-86581	77985	-90338	-315579	284245	SLD 3	3.645	Si
496	20.11	1.1	0	3	-58367	43206	-90207	-213049	157708	SLD 3	3.65	Si
525	20.11	1.1	0	3	-35280	8973	-90077	-128963	32800	SLD 3	3.655	Si
554	20.11	1.1	0	3	56586	-29512	-89946	207147	-108035	SLD 3	3.661	Si
583	20.11	1.1	0	3	85665	-64040	-89816	314055	-234776	SLD 3	3.666	Si
612	20.11	1.1	0	3	151899	-88418	-89254	543225	-316202	SLD 7	3.576	Si
641	20.11	1.1	0	3	197703	-120112	-89124	666784	-405097	SLD 7	3.373	Si
670	20.11	1.1	0	3	243602	-151286	-88996	777687	-482974	SLD 7	3.192	Si
690	20.11	2.2	0	3,4	-218637	146643	-73571	-814357	546199	SLD 7	3.725	Si
719	20.11	2.2	0	3,4	-176829	117993	-73441	-700285	467280	SLD 7	3.96	Si
748	20.11	1.1	0	4	-135773	89379	-73310	-573681	377651	SLD 7	4.225	Si
777	20.11	1.1	0	4	-69515	67533	-73672	-310691	301832	SLD 3	4.469	Si
806	20.11	1.1	0	4	-44850	36509	-73542	-200810	163462	SLD 3	4.477	Si
835	20.11	1.1	0	4	37195	6783	-73411	166830	30422	SLD 3	4.485	Si
864	20.11	1.1	0	4	62605	-30326	-73281	281299	-136262	SLD 3	4.493	Si
893	20.11	1.1	0	4	82212	-61242	-73150	370059	-275668	SLD 3	4.501	Si
922	20.11	1.1	0	4	143535	-83582	-72527	613142	-357040	SLD 7	4.272	Si
951	20.11	1.1	0	4	183840	-112192	-72397	737918	-450331	SLD 7	4.014	Si
980	20.11	1.1	0	4	224557	-140346	-72268	850278	-531417	SLD 7	3.786	Si
1000	20.11	2.2	0	4,5	-148121	151568	-57091	-682084	697956	SLD 3	4.605	Si
1029	20.11	2.2	0	4,5	-117368	121236	-56960	-580026	599139	SLD 3	4.942	Si
1058	20.11	1.1	0	5	80084	69915	-57456	441587	385510	SLD 1	5.514	Si
1087	20.11	1.1	0	5	65112	47201	-57326	373996	271117	SLD 1	5.744	Si
1116	20.11	1.1	0	5	54920	25340	-57195	316171	145884	SLD 1	5.757	Si
1145	20.11	1.1	0	5	30560	-2238	-57065	176336	-12911	SLD 1	5.77	Si
1174	20.11	1.1	0	5	37393	-24802	-56934	216255	-143441	SLD 1	5.783	Si
1203	20.11	1.1	0	5	96232	-63410	-56177	539042	-355189	SLD 3	5.601	Si
1232	20.11	1.1	0	5	124756	-93513	-56047	649066	-486521	SLD 3	5.203	Si
1261	20.11	1.1	0	5	154864	-123792	-55916	751053	-600361	SLD 3	4.85	Si
1290	20.11	1.1	0	5	185735	-154144	-55786	842617	-699301	SLD 3	4.537	Si
1310	20.11	2.2	0	5,6	-172458	145431	-39887	-977752	824525	SLD 3	5.67	Si
1339	20.11	2.2	0	5,6	-137447	117485	-39759	-856727	732301	SLD 3	6.233	Si
1368	20.11	1.1	0	6	-102332	89127	-39629	-703529	612745	SLD 3	6.875	Si
1397	20.11	1.1	0	6	-68410	60963	-39498	-522729	465825	SLD 3	7.641	Si
1426	20.11	1.1	0	6	28345	25131	-40022	233200	206762	SLD 1	8.227	Si
1455	20.11	1.1	0	6	20754	-1388	-39891	171308	-11460	SLD 1	8.254	Si
1484	20.11	1.1	0	6	32815	-19568	-39761	271748	-162051	SLD 1	8.281	Si
1513	20.11	1.1	0	6	92389	-55656	-38976	702084	-422943	SLD 3	7.599	Si
1542	20.11	1.1	0	6	126603	-83801	-38846	869966	-575847	SLD 3	6.872	Si
1571	20.11	1.1	0	6	161831	-112153	-38715	1011279	-700843	SLD 3	6.249	Si
1600	20.11	1.1	0	6	197511	-140586	-38585	1121289	-798123	SLD 3	5.677	Si
1620	20.11	2.2	0	6,7,9,10	-122494	139684	-22931	-938442	1070137	SLD 3	7.661	Si
1649	20.11	2.2	0	6,7,9,10	-86447	91328	-21145	-881347	931114	SLD 7	10.195	Si
1678	20.11	1.1	0	7,9,10	4243	76651	-22672	50239	907685	SLD 3	11.842	Si
1707	20.11	1.1	0	7,9,10	-708	45238	-22541	-9706	619728	SLD 3	13.699	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1736	20.11	1.1	0	7,9,10	-24222	-5678	-23575	-338299	-79301	SLD 5	13.967	Si
1765	20.11	1.1	0	7,9,10	-39148	-8544	-23445	-549816	-119996	SLD 5	14.045	Si
1794	20.11	1.1	0	7,9,10	52828	-53827	-22150	644734	-656922	SLD 3	12.204	Si
1823	20.11	1.1	0	7,9,10	81963	-85147	-22019	845963	-878833	SLD 3	10.321	Si
1852	20.11	1.1	0	7,9,10	111431	-116858	-21889	965202	-1012212	SLD 3	8.662	Si
1881	20.11	1.1	0	7,9,10	141034	-148694	-21758	1020229	-1075639	SLD 3	7.234	Si
1910	39.29	3.1	0	7,8,9,10,11,12,13,14	222922	-154815	-19973	1566856	-1088151	SLD 7	7.029	Si
1930	20.21	3.1	0	8,9,11,12,13,14,15	120239	-64358	-5263	629917	-337165	SLD 11	5.239	Si
1960	10.68	3.6	0	8,9,11,12,13,14,15,16,17	88744	-44273	-5196	522824	-260827	SLD 11	5.891	Si
1990	12.06	1.3	0	15,16,17	57422	33973	-8017	521358	308455	SLD 9	9.079	Si
2020	12.06	1.3	0	15,16,17	19528	16544	-7949	316537	268169	SLD 9	16.209	Si
2050	12.06	1.3	0	15,16,17	-29364	13847	-6645	-484313	228387	SLD 15	16.493	Si
2080	12.06	1.3	0	15,16,17	-47140	36230	-4926	-468848	360335	SLD 11	9.946	Si
2110	12.06	1.3	0	15,16,17	-74451	56300	-4858	-455654	344565	SLD 11	6.12	Si
2140	12.06	1.3	0	15,16,17	-104850	76386	-4791	-452546	329691	SLD 11	4.316	Si
2170	12.06	1.3	0	15,16,17	-136016	96477	-4723	-429363	304551	SLD 11	3.157	Si
2200	15.4	2.7	0	15,16,17	-166919	116236	-4657	-492584	343017	SLD 11	2.951	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-765	-163709	SLU 46	15366	50695	51056	2.3	66.31	-505	-173219	SLU 51	15029	48390	49490	2.5	95.88	Si
-111	5X/2Y Ø8/10	-765	-163540	SLU 46	15366	50695	51114	2.3	66.31	-505	-173050	SLU 51	15029	48390	49550	2.5	95.88	Si
-81	5X/2Y Ø8/10	-765	-163368	SLU 46	15366	50695	51172	2.3	66.31	-505	-172877	SLU 51	15029	48390	49611	2.5	95.88	Si
-52	5X/2Y Ø8/10	-765	-163196	SLU 46	15366	50695	51231	2.3	66.31	-505	-172705	SLU 51	15029	48390	49672	2.5	95.88	Si
-22	5X/2Y Ø8/14.7	-765	-163023	SLU 46	15366	37388	48368	2.5	48.9	-505	-172533	SLU 51	15029	32833	49732	2.5	65.06	Si
7	5X/2Y Ø8/14.7	-765	-162851	SLU 46	15366	37388	48423	2.5	48.9	-505	-172361	SLU 51	15029	32833	49793	2.5	65.06	Si
36	5X/2Y Ø8/14.7	-765	-162679	SLU 46	15366	37388	48479	2.5	48.9	-505	-172189	SLU 51	15029	32833	49854	2.5	65.06	Si
66	5X/2Y Ø8/14.7	-765	-162507	SLU 46	15366	37388	48534	2.5	48.9	-505	-172017	SLU 51	15029	32833	49915	2.5	65.06	Si
95	5X/2Y Ø8/14.7	-765	-162335	SLU 46	15366	37388	48589	2.5	48.9	-505	-171845	SLU 51	15029	32833	49976	2.5	65.06	Si
125	5X/2Y Ø8/14.7	-765	-162163	SLU 46	15366	37388	48645	2.5	48.9	-505	-171673	SLU 51	15029	32833	50036	2.5	65.06	Si
154	5X/2Y Ø8/14.7	-765	-161991	SLU 46	15366	37388	48700	2.5	48.9	-505	-171501	SLU 51	15029	32833	50097	2.5	65.06	Si
184	5X/2Y Ø8/14.7	-765	-161819	SLU 46	15366	37388	48756	2.5	48.9	-505	-171329	SLU 51	15029	32833	50158	2.5	65.06	Si
213	5X/2Y Ø8/14.7	-765	-161645	SLU 46	15366	37388	48812	2.5	48.9	-505	-171155	SLU 51	15029	32833	50219	2.5	65.06	Si
242	5X/2Y Ø8/10	-765	-161475	SLU 46	15366	50690	51819	2.3	66.3	-505	-170985	SLU 51	15029	48385	50280	2.5	95.87	Si
272	5X/2Y Ø8/10	-765	-161303	SLU 46	15366	50690	51877	2.3	66.3	-505	-170813	SLU 51	15029	48385	50340	2.5	95.87	Si
301	5X/2Y Ø8/10	-765	-161131	SLU 46	15366	50690	51936	2.3	66.3	-505	-170641	SLU 51	15029	48385	50401	2.5	95.87	Si
331	5X/2Y Ø8/10	-765	-160959	SLU 46	15366	50690	51995	2.3	66.3	-505	-170469	SLU 51	15029	48385	50462	2.5	95.87	Si
360	5X/2Y Ø8/10	-765	-160790	SLU 46	15366	50690	52053	2.3	66.3	-505	-170300	SLU 51	15029	48385	50522	2.5	95.87	Si
380	5X/2Y Ø8/10	-740	-144096	SLU 49	15366	51792	52691	2.35	70.03	556	-137229	SLU 46	15029	48385	55356	2.5	86.96	Si
409	5X/2Y Ø8/10	-740	-143926	SLU 49	15366	51792	52691	2.35	70.03	556	-137059	SLU 46	15029	48385	55356	2.5	86.96	Si
438	5X/2Y Ø8/10	-740	-143756	SLU 49	15366	51792	52691	2.35	70.03	556	-136890	SLU 46	15029	48385	55356	2.5	86.96	Si
467	5X/2Y Ø8/14.4	-740	-143587	SLU 49	15366	38145	50429	2.5	51.58	556	-136720	SLU 46	15029	33497	55356	2.5	60.21	Si
496	5X/2Y Ø8/14.4	-740	-143417	SLU 49	15366	38145	50429	2.5	51.58	556	-136551	SLU 46	15029	33497	55356	2.5	60.21	Si
525	5X/2Y Ø8/14.4	-740	-143247	SLU 49	15366	38145	50429	2.5	51.58	556	-136381	SLU 46	15029	33497	55356	2.5	60.21	Si
554	5X/2Y Ø8/14.4	-740	-143078	SLU 49	15366	38145	50429	2.5	51.58	556	-136211	SLU 46	15029	33497	55356	2.5	60.21	Si
583	5X/2Y Ø8/14.4	-740	-142908	SLU 49	15366	38145	50429	2.5	51.58	556	-136042	SLU 46	15029	33497	55356	2.5	60.21	Si
612	5X/2Y Ø8/10	-740	-142738	SLU 49	15366	51792	52691	2.35	70.03	556	-135872	SLU 46	15029	48385	55356	2.5	86.96	Si
641	5X/2Y Ø8/10	-740	-142569	SLU 49	15366	51792	52691	2.35	70.03	556	-135702	SLU 46	15029	48385	55356	2.5	86.96	Si
670	5X/2Y Ø8/10	-740	-142402	SLU 49	15366	51792	52691	2.35	70.03	556	-135536	SLU 46	15029	48385	55356	2.5	86.96	Si
690	5X/2Y Ø8/10	-739	-118049	SLU 49	15366	51792	52691	2.35	70.06	165	-83712	SLU 17	15029	48385	55356	2.5	294.06	Si
719	5X/2Y Ø8/10	-739	-117880	SLU 49	15366	51792	52691	2.35	70.06	165	-83582	SLU 17	15029	48385	55356	2.5	294.06	Si
748	5X/2Y Ø8/10	-739	-117710	SLU 49	15366	51792	52691	2.35	70.06	165	-83451	SLU 17	15029	48385	55356	2.5	294.06	Si
777	5X/2Y Ø8/14.4	-739	-117540	SLU 49	15366	38145	50429	2.5	51.6	165	-83321	SLU 17	15029	33497	55356	2.5	203.58	Si
806	5X/2Y Ø8/14.4	-739	-117371	SLU 49	15366	38145	50429	2.5	51.6	165	-83190	SLU 17	15029	33497	55356	2.5	203.58	Si
835	5X/2Y Ø8/14.4	-739	-117201	SLU 49	15366	38145	50429	2.5	51.6	165	-83060	SLU 17	15029	33497	55356	2.5	203.58	Si
864	5X/2Y Ø8/14.4	-739	-117031	SLU 49	15366	38145	50429	2.5	51.6	165	-82929	SLU 17	15029	33497	55356	2.5	203.58	Si
893	5X/2Y Ø8/14.4	-739	-116862	SLU 49	15366	38145	50429	2.5	51.6	165	-82799	SLU 17	15029	33497	55356	2.5	203.58	Si
922	5X/2Y Ø8/10	-739	-116692	SLU 49	15366	51792	52691	2.35	70.06	165	-82668	SLU 17	15029	48385	55356	2.5	294.06	Si
951	5X/2Y Ø8/10	-739	-116522	SLU 49	15366	51792	52691	2.35	70.06	165	-82538	SLU 17	15029	48385	55356	2.5	294.06	Si
980	5X/2Y Ø8/10	-739	-116356	SLU 49	15366	51792	52691	2.35	70.06	165	-82410	SLU 17	15029	48385	55356	2.5	294.06	Si
1000	5X/2Y Ø8/10	-712	-92417	SLU 49	15366	51792	52691	2.35	72.69	368	-84242	SLU 24	15029	48385	55356	2.5	131.54	Si
1029	5X/2Y Ø8/10	-712	-92248	SLU 49	15366	51792	52691	2.35	72.69	368	-84112	SLU 24	15029	48385	55356	2.5	131.54	Si
1058	5X/2Y Ø8/10	-712	-92078	SLU 49	15366	51792	52691	2.35	72.69	368	-83981	SLU 24	15029	48385	55356	2.5	131.54	Si
1087	5X/2Y Ø8/14.4	-712	-91909	SLU 49	15366	38145	50429	2.5	53.54	368	-83851	SLU 24	15029	33497	55356	2.5	91.06	Si
1116	5X/2Y Ø8/14.4	-712	-91739	SLU 49	15366	38145	50429	2.5	53.54	368	-83720	SLU 24	15029	33497	55356	2.5	91.06	Si
1145	5X/2Y Ø8/14.4	-712	-91569	SLU 49	15366	38145	50429	2.5	53.54	368	-83590	SLU 24	15029	33497	55356	2.5	91.06	Si
1174	5X/2Y Ø8/14.4	-712	-91400	SLU 49	15366	38145	50429	2.5	53.54	368	-83459	SLU 24	15029	33497	55356	2.5	91.06	Si
1203	5X/2Y Ø8/14.4	-712	-91230	SLU 49	15366	38145	50429	2.5	53.54	368	-83329	SLU 24	15029	33497	55356	2.5	91.06	Si
1232	5X/2Y Ø8/10	-712	-91060	SLU 49	15366	51792	52691	2.35	72.69	368	-83198	SLU 24	15029	48385	55356	2.5	131.54	Si
1261	5X/2Y Ø8/10	-712	-90891	SLU 49	15366	51792	52691	2.35	72.69	368	-83068	SLU 24	15029	48385	55356	2.5	131.54	Si
1290	5X/2Y Ø8/10	-712	-90721	SLU 49	15366	51792	52691	2.35	72.69	368	-82937	SLU 24	15029	48385	55356	2.5	131.54	Si
1310	5X/2Y Ø8/10	-449	-65175	SLU 50	15366	50690	51682	2.3	112.95	659	-66193	SLU 51	15029	48385	53643	2.5	73.4	Si
1339	5X/2Y Ø8/10	-449	-65008	SLU 50	15366	50690	51659	2.3	112.95	659	-66027	SLU 51	15029	48385	53620	2.5	73.4	Si
1368	5X/2Y Ø8/10	-449	-64838	SLU 50	15366	50690	51636	2.3	112.95	659	-65857	SLU 51	15029	48385	53596	2.5	73.4	Si
1397	5X/2Y Ø8/14.4	-449	-64669	SLU 50	15366	38145	48672	2.5	85	659	-65687	SLU 51	15029	33497	53572	2.5	50.82	Si
1426	5X/2Y Ø8/14.4	-449	-64499	SLU 50	15366	38145	48650	2.5	85	659	-65518	SLU 51	15029	33497	53548	2.5	50.82	Si
1455	5X/2Y Ø8/14.4	-449	-64329	SLU 50	15366	38145	48629	2.5	85	659	-65348	SLU 51	15029	33497	53524	2.5	50.82	Si
1484	5X/2Y Ø8/14.4	-449	-64160	SLU 50	15366	38145	48607	2.5	85	659	-65178	SLU 51	15029	33497	53500	2.5	50.82	Si
1513	5X/2Y Ø8/14.4	-449	-63990	SLU 50	15366	38145	48585	2.5	85	659	-65009	SLU 51	15029	33497	53476	2.5	50.82	Si
1542	5X/2Y Ø8/10	-449	-63820	SLU 50	15366	50690	51497	2.3	112.95	659	-64839	SLU 51	15029	48385	53452	2.5	73.4	Si
1571	5X/2Y Ø8/10	-449	-63651	SLU 50	15366	50690	51474	2.3	112.95	659	-64669	SLU 51	15029	48385	53428	2.5	73.4	Si
1600	5X/2Y Ø8/10	-449	-63481	SLU 50	15366	50690	51451	2.3	112.95	659	-64500	SLU 51	15029	48385	53404	2.5	73.4	Si
1620	5X/2Y Ø8/10	-593	-37781	SLU 50	12270	48486	49390	2.2	81.77	320	-33893	SLU 23	11099	48385	49077	2.5	151.17	Si
1649	5X/2Y Ø8/10	-593	-37614	SLU 50	12249	48486	49366	2.2	81.77	320	-33765	SLU 23	11081	48385	49059	2.5	151.17	Si
1678	5X/2Y Ø8/10	-593	-37444	SLU 50	12228	48486	49342	2.2	81.77	320	-33635	SLU 23	11064	48385	49040	2.5	151.17	Si
1707	5X/2Y Ø8/14.4	-593	-37275	SLU 50	12207	38145	45144	2.5	64.33	320	-33504	SLU 23	11046	33497	49022	2.5	104.65	Si
1736	5X/2Y Ø8/14.4	-593	-37105	SLU 50	12186	38145	45122	2.5	64.33	320	-33374	SLU 23	11028	33497	49003	2.5	104.65	Si
1765	5X/2Y Ø8/14.4	-593	-36935	SLU 50	12165	38145	45100	2.5	64.33	320	-33243	SLU 23	11010	33497	48985	2.5	104.65	Si
1794	5X/2Y Ø8/14.4	-593	-36766	SLU 50	12144	38145	45079	2.5	64.33	320	-33113	SLU 23	10992	33497	48966	2.5	104.65	Si
1823	5X/2Y Ø8/14.4	-593	-36596	SLU 50	12123	38145	45057	2.5	64.33	320	-32982	SLU 23	10974	33497	48948	2.5	104.65	Si
1852	5X/2Y Ø8/10	-593	-36426	SLU 50	12102	48486	49199	2.2	81.77	320	-32852	SLU 23	10957	48385	48930	2.5	151.17	Si
1881	5X/2Y Ø8/10	-593	-36257	SLU 50	12080	48486	49175	2.2	81.77	320	-32721	SLU 23	10939	48385	48911	2.5	151.17	Si
1910	5X/2Y Ø8/10	-593	-36090	SLU 50	12060	48486	49152	2.2	81.77	320	-32593	SLU 23	10921	48385	48893	2.5	151.17	Si
1930	3X/2Y Ø8/10	-199	-8611	SLU 36	4822	24888	25196	1.9	125.33	-1257	-11227	SLU 51	5181	21598	21934	2.45	17.18	Si
1960	3X/2Y Ø8/10	-199	-8523	SLU 36	4811	24888	25183	1.9	125.33	-1257	-11140	SLU 51	5170	21598	21923	2.45	17.18	Si
1990	3X/2Y Ø8/10	-199	-8435	SLU 36	4800	24888	25169	1.9	125.33	-1257	-11052	SLU 51	5159	21598	21911	2.45	17.18	Si
2020	3X/2Y Ø8/10	-199	-8347	SLU 36	4790	24888	25156	1.9	125.33	-1257	-10964	SLU 51	5148	21598	21900	2.45	17.18	Si
2050	3X/2Y Ø8/10	-199	-8260	SLU 36	4779	24888	25142	1.9	125.33	-1257	-10876	SLU 51	5137	21598	21888	2.45	17.18	Si
2080	3X/2Y Ø8/10	-199	-8172	SLU 36	4768	24888	25129	1.9	125.33	-1257	-10789	SLU 51	5126	21598	21877	2.45	17.18	Si

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
2110	3X/2Y Ø8/10	-199	-8084	SLU 36	4757	24888	25116	1.9	125.33	-1257	-10701	SLU 51	5115	21598	21865	2.45	17.18	Si
2140	3X/2Y Ø8/10	-199	-7996	SLU 36	4746	24888	25102	1.9	125.33	-1257	-10613	SLU 51	5105	21598	21854	2.45	17.18	Si
2170	3X/2Y Ø8/10	-199	-7909	SLU 36	4736	24888	25089	1.9	125.33	-1257	-10525	SLU 51	5094	21598	21842	2.45	17.18	Si
2200	3X/2Y Ø8/10	-199	-7822	SLU 36	4725	24888	25076	1.9	125.33	-1257	-10439	SLU 51	5083	21598	21831	2.45	17.18	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-1266	-115041	SLV 3	15366	51797	52691	2.35	40.91	-3617	-94951	SLV 9	15029	48390	55356	2.5	13.38	Si
-111	5X/2Y Ø8/10	-1266	-114911	SLV 3	15366	51797	52691	2.35	40.91	-3617	-94821	SLV 9	15029	48390	55356	2.5	13.38	Si
-81	5X/2Y Ø8/10	-1266	-114779	SLV 3	15366	51797	52691	2.35	40.91	-3617	-94689	SLV 9	15029	48390	55356	2.5	13.38	Si
-52	5X/2Y Ø8/10	-1266	-114646	SLV 3	15366	51797	52691	2.35	40.91	-3617	-94556	SLV 9	15029	48390	55356	2.5	13.38	Si
-22	5X/2Y Ø8/14.7	-1266	-114514	SLV 3	15366	37388	50429	2.5	29.53	-3617	-94424	SLV 9	15029	32833	55356	2.5	9.08	Si
7	5X/2Y Ø8/14.7	-1266	-114381	SLV 3	15366	37388	50429	2.5	29.53	-3617	-94292	SLV 9	15029	32833	55356	2.5	9.08	Si
36	5X/2Y Ø8/14.7	-1266	-114249	SLV 3	15366	37388	50429	2.5	29.53	-3617	-94159	SLV 9	15029	32833	55356	2.5	9.08	Si
66	5X/2Y Ø8/14.7	-1266	-114117	SLV 3	15366	37388	50429	2.5	29.53	-3617	-94027	SLV 9	15029	32833	55356	2.5	9.08	Si
95	5X/2Y Ø8/14.7	-1266	-113984	SLV 3	15366	37388	50429	2.5	29.53	-3617	-93895	SLV 9	15029	32833	55356	2.5	9.08	Si
125	5X/2Y Ø8/14.7	-1266	-113852	SLV 3	15366	37388	50429	2.5	29.53	-3617	-93762	SLV 9	15029	32833	55356	2.5	9.08	Si
154	5X/2Y Ø8/14.7	-1266	-113720	SLV 3	15366	37388	50429	2.5	29.53	-3617	-93630	SLV 9	15029	32833	55356	2.5	9.08	Si
184	5X/2Y Ø8/14.7	-1266	-113587	SLV 3	15366	37388	50429	2.5	29.53	-3617	-93498	SLV 9	15029	32833	55356	2.5	9.08	Si
213	5X/2Y Ø8/14.7	-1266	-113454	SLV 3	15366	37388	50429	2.5	29.53	-3617	-93364	SLV 9	15029	32833	55356	2.5	9.08	Si
242	5X/2Y Ø8/10	-1266	-113323	SLV 3	15366	51792	52691	2.35	40.91	-3617	-93233	SLV 9	15029	48385	55356	2.5	13.38	Si
272	5X/2Y Ø8/10	-1266	-113190	SLV 3	15366	51792	52691	2.35	40.91	-3617	-93101	SLV 9	15029	48385	55356	2.5	13.38	Si
301	5X/2Y Ø8/10	-1266	-113058	SLV 3	15366	51792	52691	2.35	40.91	-3617	-92968	SLV 9	15029	48385	55356	2.5	13.38	Si
331	5X/2Y Ø8/10	-1266	-112926	SLV 3	15366	51792	52691	2.35	40.91	-3617	-92836	SLV 9	15029	48385	55356	2.5	13.38	Si
360	5X/2Y Ø8/10	-1266	-112795	SLV 3	15366	51792	52691	2.35	40.91	-3617	-92706	SLV 9	15029	48385	55356	2.5	13.38	Si
380	5X/2Y Ø8/10	-2534	-95655	SLV 3	15366	51792	52691	2.35	20.43	3729	-94520	SLV 7	15029	48385	55356	2.5	12.97	Si
409	5X/2Y Ø8/10	-2534	-95524	SLV 3	15366	51792	52691	2.35	20.43	3729	-94390	SLV 7	15029	48385	55356	2.5	12.97	Si
438	5X/2Y Ø8/10	-2534	-95394	SLV 3	15366	51792	52691	2.35	20.43	3729	-94259	SLV 7	15029	48385	55356	2.5	12.97	Si
467	5X/2Y Ø8/14.4	-2534	-95263	SLV 3	15366	38145	50429	2.5	15.05	3729	-94129	SLV 7	15029	33497	55356	2.5	8.98	Si
496	5X/2Y Ø8/14.4	-2534	-95133	SLV 3	15366	38145	50429	2.5	15.05	3729	-93998	SLV 7	15029	33497	55356	2.5	8.98	Si
525	5X/2Y Ø8/14.4	-2534	-95002	SLV 3	15366	38145	50429	2.5	15.05	3729	-93868	SLV 7	15029	33497	55356	2.5	8.98	Si
554	5X/2Y Ø8/14.4	-2534	-94872	SLV 3	15366	38145	50429	2.5	15.05	3729	-93737	SLV 7	15029	33497	55356	2.5	8.98	Si
583	5X/2Y Ø8/14.4	-2534	-94741	SLV 3	15366	38145	50429	2.5	15.05	3729	-93607	SLV 7	15029	33497	55356	2.5	8.98	Si
612	5X/2Y Ø8/10	-2534	-94611	SLV 3	15366	51792	52691	2.35	20.43	3729	-93476	SLV 7	15029	48385	55356	2.5	12.97	Si
641	5X/2Y Ø8/10	-2534	-94480	SLV 3	15366	51792	52691	2.35	20.43	3729	-93346	SLV 7	15029	48385	55356	2.5	12.97	Si
670	5X/2Y Ø8/10	-2534	-94352	SLV 3	15366	51792	52691	2.35	20.43	3729	-93218	SLV 7	15029	48385	55356	2.5	12.97	Si
690	5X/2Y Ø8/10	-2210	-77772	SLV 3	15366	51792	52618	2.35	23.44	3679	-76502	SLV 7	15029	48385	55101	2.5	13.15	Si
719	5X/2Y Ø8/10	-2210	-77642	SLV 3	15366	51792	52601	2.35	23.44	3679	-76372	SLV 7	15029	48385	55082	2.5	13.15	Si
748	5X/2Y Ø8/10	-2210	-77511	SLV 3	15366	51792	52583	2.35	23.44	3679	-76241	SLV 7	15029	48385	55064	2.5	13.15	Si
777	5X/2Y Ø8/14.4	-2210	-77381	SLV 3	15366	38145	50310	2.5	17.26	3679	-76111	SLV 7	15029	33497	55045	2.5	9.1	Si
806	5X/2Y Ø8/14.4	-2210	-77250	SLV 3	15366	38145	50293	2.5	17.26	3679	-75980	SLV 7	15029	33497	55027	2.5	9.1	Si
835	5X/2Y Ø8/14.4	-2210	-77120	SLV 3	15366	38145	50276	2.5	17.26	3679	-75850	SLV 7	15029	33497	55009	2.5	9.1	Si
864	5X/2Y Ø8/14.4	-2210	-76989	SLV 3	15366	38145	50259	2.5	17.26	3679	-75719	SLV 7	15029	33497	54990	2.5	9.1	Si
893	5X/2Y Ø8/14.4	-2210	-76859	SLV 3	15366	38145	50242	2.5	17.26	3679	-75589	SLV 7	15029	33497	54972	2.5	9.1	Si
922	5X/2Y Ø8/10	-2210	-76728	SLV 3	15366	51792	52478	2.35	23.44	3679	-75458	SLV 7	15029	48385	54953	2.5	13.15	Si
951	5X/2Y Ø8/10	-2210	-76598	SLV 3	15366	51792	52460	2.35	23.44	3679	-75328	SLV 7	15029	48385	54935	2.5	13.15	Si
980	5X/2Y Ø8/10	-2210	-76470	SLV 3	15366	51792	52443	2.35	23.44	3679	-75200	SLV 7	15029	48385	54917	2.5	13.15	Si
1000	5X/2Y Ø8/10	-2114	-58915	SLV 3	14901	50690	50827	2.3	23.98	3247	-54555	SLV 7	13923	48385	51998	2.5	14.9	Si
1029	5X/2Y Ø8/10	-2114	-58784	SLV 3	14885	50690	50809	2.3	23.98	3247	-54425	SLV 7	13905	48385	51980	2.5	14.9	Si
1058	5X/2Y Ø8/10	-2114	-58654	SLV 3	14869	50690	50791	2.3	23.98	3247	-54294	SLV 7	13887	48385	51961	2.5	14.9	Si
1087	5X/2Y Ø8/14.4	-2114	-58523	SLV 3	14853	38145	47881	2.5	18.05	3247	-54164	SLV 7	13869	33497	51943	2.5	10.32	Si
1116	5X/2Y Ø8/14.4	-2114	-58393	SLV 3	14836	38145	47864	2.5	18.05	3247	-54033	SLV 7	13851	33497	51924	2.5	10.32	Si
1145	5X/2Y Ø8/14.4	-2114	-58262	SLV 3	14820	38145	47847	2.5	18.05	3247	-53903	SLV 7	13834	33497	51906	2.5	10.32	Si
1174	5X/2Y Ø8/14.4	-2114	-58132	SLV 3	14804	38145	47830	2.5	18.05	3247	-53772	SLV 7	13816	33497	51887	2.5	10.32	Si
1203	5X/2Y Ø8/14.4	-2114	-58001	SLV 3	14788	38145	47814	2.5	18.05	3247	-53642	SLV 7	13798	33497	51869	2.5	10.32	Si
1232	5X/2Y Ø8/10	-2114	-57871	SLV 3	14771	49588	51443	2.25	23.46	3247	-53511	SLV 7	13780	48385	51850	2.5	14.9	Si
1261	5X/2Y Ø8/10	-2114	-57740	SLV 3	14755	49588	51425	2.25	23.46	3247	-53381	SLV 7	13762	48385	51832	2.5	14.9	Si
1290	5X/2Y Ø8/10	-2114	-57610	SLV 3	14739	49588	51407	2.25	23.46	3247	-53250	SLV 7	13744	48385	51813	2.5	14.9	Si
1310	5X/2Y Ø8/10	-2180	-41059	SLV 3	12678	48486	49851	2.2	22.24	3277	-37333	SLV 7	11569	48385	49563	2.5	14.76	Si
1339	5X/2Y Ø8/10	-2180	-40931	SLV 3	12662	48486	49833	2.2	22.24	3277	-37204	SLV 7	11551	48385	49545	2.5	14.76	Si
1368	5X/2Y Ø8/10	-2180	-40800	SLV 3	12646	48486	49814	2.2	22.24	3277	-37074	SLV 7	11534	48385	49527	2.5	14.76	Si
1397	5X/2Y Ø8/14.4	-2180	-40670	SLV 3	12630	38145	45581	2.5	17.5	3277	-36943	SLV 7	11516	33497	49508	2.5	10.22	Si
1426	5X/2Y Ø8/14.4	-2180	-40539	SLV 3	12614	38145	45565	2.5	17.5	3277	-36813	SLV 7	11498	33497	49490	2.5	10.22	Si
1455	5X/2Y Ø8/14.4	-2180	-40409	SLV 3	12597	38145	45548	2.5	17.5	3277	-36682	SLV 7	11480	33497	49471	2.5	10.22	Si
1484	5X/2Y Ø8/14.4	-2180	-40278	SLV 3	12581	38145	45531	2.5	17.5	3277	-36552	SLV 7	11462	33497	49453	2.5	10.22	Si
1513	5X/2Y Ø8/14.4	-2180	-40148	SLV 3	12565	38145	45514	2.5	17.5	3277	-36421	SLV 7	11444	33497	49434	2.5	10.22	Si
1542	5X/2Y Ø8/10	-2180	-40017	SLV 3	12549	48486	49704	2.2	22.24	3277	-36291	SLV 7	11427	48385	49416	2.5	14.76	Si
1571	5X/2Y Ø8/10	-2180	-39887	SLV 3	12532	48486	49686	2.2	22.24	3277	-36160	SLV 7	11409	48385	49397	2.5	14.76	Si
1600	5X/2Y Ø8/10	-2180	-39756	SLV 3	12516	48486	49668	2.2	22.24	3277	-36030	SLV 7	11391	48385	49379	2.5	14.76	Si
1620	5X/2Y Ø8/10	-2314	-23640	SLV 3	10510	47384	48115	2.15	20.48	2995	-19678	SLV 7	9156	47417	47756	2.45	15.83	Si
1649	5X/2Y Ø8/10	-2314	-23512	SLV 3	10494	47384	48096	2.15	20.48	2995	-19550	SLV 7	9139	47417	47738	2.45	15.83	Si
1678	5X/2Y Ø8/10	-2314	-23382	SLV 3	10477	47384	48078	2.15	20.48	2995	-19420	SLV 7	9121	47417	47719	2.45	15.83	Si
1707	5X/2Y Ø8/14.4	-2314	-23251	SLV 3	10461	38145	43338	2.5	16.48	2995	-19289	SLV 7	9103	33497	47012	2.5	11.19	Si
1736	5X/2Y Ø8/14.4	-2314	-23121	SLV 3	10445	38145	43321	2.5	16.48	2995	-19159	SLV 7	9085	33497	46994	2.5	11.19	Si
1765	5X/2Y Ø8/14.4	-2314	-22990	SLV 3	10429	38145	43304	2.5	16.48	2995	-19028	SLV 7	9067	33497	46975	2.5	11.19	Si
1794	5X/2Y Ø8/14.4	-2314	-22860	SLV 3	10412	38145	43288	2.5	16.48	2995	-18898	SLV 7	9050	33497	46957	2.5	11.19	Si
1823	5X/2Y Ø8/14.4	-2314	-22729	SLV 3	10396	38145	43271	2.5	16.48	2995	-18767	SLV 7	9032	33497	46938	2.5	11.19	Si
1852	5X/2Y Ø8/10	-2314	-22599	SLV 3	10380	47384	47966	2.15	20.48	2995	-18637	SLV 7	9014	47417	47607	2.45	15.83	Si
1881	5X/2Y Ø8/10	-2314	-22468	SLV 3	10364	47384	47947	2.15	20.48	2995	-18506	SLV 7	8996	47417	47588	2.45	15.83	Si
1910	5X/2Y Ø8/10	-2314	-22340	SLV 3	10348	47384	47929	2.15	20.48	2995	-18378	SLV 7	8979	47417	47570	2.45	15.83	Si
1930	3X/2Y Ø8/10	-2041	-9290	SLV 5	4906	24888	25300	1.9	12.2	-1632	-7568	SLV 15	4725	21158	21772	2.4	12.97	Si
1960	3X/2Y Ø8/10	-2041	-9223	SLV 5	4898	24888	25289	1.9	12.2	-1632	-7500	SLV 15	4717	21158	21763	2.4	12.97	Si
1990	3X/2Y Ø8/10	-2041	-9155	SLV 5	4889	24888	25279	1.9	12.2	-1632	-7433	SLV 15	4709	21158	21754	2.4	12.97	Si
2020	3X/2Y Ø8/10	-2041	-9088	SLV 5	4881	24888	25269	1.9	12.2	-1632	-7365	SLV 15	4700	21158	21745	2.4	12.97	Si
2050	3X/2Y Ø8/10	-2041	-9020	SLV 5	4873	24888	25258	1.9	12.2	-1632	-7298	SLV 15	4692	21158	21736	2.4	12.97	Si
2080	3X/2Y Ø8/10	-2041	-8953	SLV 5	4864	24888	25248	1.9	12.2	-1632	-7230	SLV 15	4683	21158	21727	2.4	12.97	Si
2110	3X/2Y Ø8/10	-2041	-8885	SLV 5	4856	24888	25238	1.9	12.2	-1632	-7163	SLV 15	4675	21158	21718	2.4	12.97	Si
2140	3X/2Y Ø8/10	-2041	-8818	SLV 5	4848	24888	25228	1.9	12.2	-1632	-7095	SLV 15	4667	21158	21709	2.4	12.97	Si
2170	3X/2Y Ø8/10	-2041	-8750	SLV 5	4839	24888	25217	1.9	12.2	-1632	-7028	SLV 15	4658	21158	21700	2.4	12.97	Si
2200	3X/2Y Ø8/10	-2041	-8684	SLV 5	4831	24888	25207	1.9	12.2	-1632	-6961	SLV 15	4650	21158	21692	2.4	12.97	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-600	-108845	SLD 3	19266	55104	50429	2.5	84.1	-1646	-100786	SLD 9	19310	48390	55356	2.5	29.4	Si
-111	5X/2Y Ø8/10	-600	-108715	SLD 3	19266	55104	50429	2.5	84.1	-1646	-100656	SLD 9	19310	48390	55356	2.5	29.4	Si
-81	5X/2Y Ø8/10	-600	-108583	SLD 3	19266	55104	50429	2.5	84.1	-1646	-100523	SLD 9	19310	48390	55356	2.5	29.4	Si
-52	5X/2Y Ø8/10	-600	-108450	SLD 3	19266	55104	50429	2.5	84.1	-1646	-100391	SLD 9	19310	48390	55356	2.5	29.4	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-22	5X/2Y Ø8/14.7	-600	-108318	SLD 3	19266	37388	50429	2.5	62.35	-1646	-100259	SLD 9	19310	32833	55356	2.5	19.95	Si
7	5X/2Y Ø8/14.7	-600	-108186	SLD 3	19266	37388	50429	2.5	62.35	-1646	-100126	SLD 9	19310	32833	55356	2.5	19.95	Si
36	5X/2Y Ø8/14.7	-600	-108053	SLD 3	19266	37388	50429	2.5	62.35	-1646	-99994	SLD 9	19310	32833	55356	2.5	19.95	Si
66	5X/2Y Ø8/14.7	-600	-107921	SLD 3	19266	37388	50429	2.5	62.35	-1646	-99862	SLD 9	19310	32833	55356	2.5	19.95	Si
95	5X/2Y Ø8/14.7	-600	-107788	SLD 3	19266	37388	50429	2.5	62.35	-1646	-99729	SLD 9	19310	32833	55356	2.5	19.95	Si
125	5X/2Y Ø8/14.7	-600	-107656	SLD 3	19266	37388	50429	2.5	62.35	-1646	-99597	SLD 9	19310	32833	55356	2.5	19.95	Si
154	5X/2Y Ø8/14.7	-600	-107524	SLD 3	19266	37388	50429	2.5	62.35	-1646	-99465	SLD 9	19310	32833	55356	2.5	19.95	Si
184	5X/2Y Ø8/14.7	-600	-107391	SLD 3	19266	37388	50429	2.5	62.35	-1646	-99332	SLD 9	19310	32833	55356	2.5	19.95	Si
213	5X/2Y Ø8/14.7	-600	-107258	SLD 3	19266	37388	50429	2.5	62.35	-1646	-99199	SLD 9	19310	32833	55356	2.5	19.95	Si
242	5X/2Y Ø8/10	-600	-107127	SLD 3	19266	55098	50429	2.5	84.1	-1646	-99068	SLD 9	19310	48385	55356	2.5	29.39	Si
272	5X/2Y Ø8/10	-600	-106994	SLD 3	19266	55098	50429	2.5	84.1	-1646	-98935	SLD 9	19310	48385	55356	2.5	29.39	Si
301	5X/2Y Ø8/10	-600	-106862	SLD 3	19266	55098	50429	2.5	84.1	-1646	-98803	SLD 9	19310	48385	55356	2.5	29.39	Si
331	5X/2Y Ø8/10	-600	-106730	SLD 3	19266	55098	50429	2.5	84.1	-1646	-98670	SLD 9	19310	48385	55356	2.5	29.39	Si
360	5X/2Y Ø8/10	-600	-106600	SLD 3	19266	55098	50429	2.5	84.1	-1646	-98540	SLD 9	19310	48385	55356	2.5	29.39	Si
380	5X/2Y Ø8/10	-1215	-90729	SLD 3	18862	55098	50429	2.5	41.5	1661	-90298	SLD 7	18808	48385	55356	2.5	29.12	Si
409	5X/2Y Ø8/10	-1215	-90599	SLD 3	18846	55098	50429	2.5	41.5	1661	-90168	SLD 7	18790	48385	55356	2.5	29.12	Si
438	5X/2Y Ø8/10	-1215	-90468	SLD 3	18830	55098	50429	2.5	41.5	1661	-90037	SLD 7	18772	48385	55356	2.5	29.12	Si
467	5X/2Y Ø8/14.4	-1215	-90338	SLD 3	18813	38145	50429	2.5	31.39	1661	-89907	SLD 7	18754	33497	55356	2.5	20.16	Si
496	5X/2Y Ø8/14.4	-1215	-90207	SLD 3	18797	38145	50429	2.5	31.39	1661	-89776	SLD 7	18736	33497	55356	2.5	20.16	Si
525	5X/2Y Ø8/14.4	-1215	-90077	SLD 3	18781	38145	50429	2.5	31.39	1661	-89646	SLD 7	18718	33497	55356	2.5	20.16	Si
554	5X/2Y Ø8/14.4	-1215	-89946	SLD 3	18765	38145	50429	2.5	31.39	1661	-89515	SLD 7	18701	33497	55356	2.5	20.16	Si
583	5X/2Y Ø8/14.4	-1215	-89816	SLD 3	18748	38145	50429	2.5	31.39	1661	-89385	SLD 7	18683	33497	55356	2.5	20.16	Si
612	5X/2Y Ø8/10	-1215	-89685	SLD 3	18732	55098	50429	2.5	41.5	1661	-89254	SLD 7	18665	48385	55356	2.5	29.12	Si
641	5X/2Y Ø8/10	-1215	-89555	SLD 3	18716	55098	50429	2.5	41.5	1661	-89124	SLD 7	18647	48385	55356	2.5	29.12	Si
670	5X/2Y Ø8/10	-1215	-89426	SLD 3	18700	55098	50429	2.5	41.5	1661	-88996	SLD 7	18629	48385	55356	2.5	29.12	Si
690	5X/2Y Ø8/10	-1096	-74064	SLD 3	16787	55098	49882	2.5	45.5	1488	-73571	SLD 7	16522	48385	54686	2.5	32.53	Si
719	5X/2Y Ø8/10	-1096	-73933	SLD 3	16771	55098	49866	2.5	45.49	1488	-73441	SLD 7	16504	48385	54668	2.5	32.53	Si
748	5X/2Y Ø8/10	-1096	-73803	SLD 3	16755	55098	49849	2.5	45.47	1488	-73310	SLD 7	16486	48385	54650	2.5	32.53	Si
777	5X/2Y Ø8/14.4	-1096	-73672	SLD 3	16739	38145	49832	2.5	34.79	1488	-73180	SLD 7	16468	33497	54631	2.5	22.52	Si
806	5X/2Y Ø8/14.4	-1096	-73542	SLD 3	16722	38145	49815	2.5	34.79	1488	-73049	SLD 7	16450	33497	54613	2.5	22.52	Si
835	5X/2Y Ø8/14.4	-1096	-73411	SLD 3	16706	38145	49798	2.5	34.79	1488	-72919	SLD 7	16432	33497	54594	2.5	22.52	Si
864	5X/2Y Ø8/14.4	-1096	-73281	SLD 3	16690	38145	49781	2.5	34.79	1488	-72788	SLD 7	16415	33497	54576	2.5	22.52	Si
893	5X/2Y Ø8/14.4	-1096	-73150	SLD 3	16674	38145	49765	2.5	34.79	1488	-72658	SLD 7	16397	33497	54557	2.5	22.52	Si
922	5X/2Y Ø8/10	-1096	-73020	SLD 3	16657	55098	49748	2.5	45.38	1488	-72527	SLD 7	16379	48385	54539	2.5	32.53	Si
951	5X/2Y Ø8/10	-1096	-72889	SLD 3	16641	55098	49731	2.5	45.36	1488	-72397	SLD 7	16361	48385	54520	2.5	32.53	Si
980	5X/2Y Ø8/10	-1096	-72761	SLD 3	16625	55098	49715	2.5	45.35	1488	-72268	SLD 7	16343	48385	54502	2.5	32.53	Si
1000	5X/2Y Ø8/10	-1051	-57091	SLD 3	14674	55098	47696	2.5	45.4	1422	-55249	SLD 7	14018	48385	52096	2.5	34.04	Si
1029	5X/2Y Ø8/10	-1051	-56960	SLD 3	14658	55098	47679	2.5	45.38	1422	-55119	SLD 7	14000	48385	52078	2.5	34.04	Si
1058	5X/2Y Ø8/10	-1051	-56830	SLD 3	14642	55098	47663	2.5	45.36	1422	-54988	SLD 7	13982	48385	52059	2.5	34.04	Si
1087	5X/2Y Ø8/14.4	-1051	-56699	SLD 3	14625	38145	47646	2.5	36.3	1422	-54858	SLD 7	13964	33497	52041	2.5	23.56	Si
1116	5X/2Y Ø8/14.4	-1051	-56569	SLD 3	14609	38145	47629	2.5	36.3	1422	-54727	SLD 7	13946	33497	52022	2.5	23.56	Si
1145	5X/2Y Ø8/14.4	-1051	-56438	SLD 3	14593	38145	47612	2.5	36.3	1422	-54597	SLD 7	13928	33497	52004	2.5	23.56	Si
1174	5X/2Y Ø8/14.4	-1051	-56308	SLD 3	14577	38145	47595	2.5	36.3	1422	-54466	SLD 7	13911	33497	51985	2.5	23.56	Si
1203	5X/2Y Ø8/14.4	-1051	-56177	SLD 3	14561	38145	47579	2.5	36.3	1422	-54336	SLD 7	13893	33497	51967	2.5	23.56	Si
1232	5X/2Y Ø8/10	-1051	-56047	SLD 3	14544	55098	47562	2.5	45.27	1422	-54205	SLD 7	13875	48385	51949	2.5	34.04	Si
1261	5X/2Y Ø8/10	-1051	-55916	SLD 3	14528	55098	47545	2.5	45.25	1422	-54075	SLD 7	13857	48385	51930	2.5	34.04	Si
1290	5X/2Y Ø8/10	-1051	-55786	SLD 3	14512	55098	47528	2.5	45.24	1422	-53944	SLD 7	13839	48385	51912	2.5	34.04	Si
1310	5X/2Y Ø8/10	-985	-39887	SLD 3	12532	55098	45481	2.5	46.19	1556	-38304	SLD 7	11702	48385	49700	2.5	31.1	Si
1339	5X/2Y Ø8/10	-985	-39759	SLD 3	12516	55098	45464	2.5	46.17	1556	-38175	SLD 7	11684	48385	49682	2.5	31.1	Si
1368	5X/2Y Ø8/10	-985	-39629	SLD 3	12500	55098	45447	2.5	46.16	1556	-38045	SLD 7	11666	48385	49664	2.5	31.1	Si
1397	5X/2Y Ø8/14.4	-985	-39498	SLD 3	12484	38145	45430	2.5	38.74	1556	-37914	SLD 7	11649	33497	49645	2.5	21.53	Si
1426	5X/2Y Ø8/14.4	-985	-39368	SLD 3	12468	38145	45414	2.5	38.74	1556	-37784	SLD 7	11631	33497	49627	2.5	21.53	Si
1455	5X/2Y Ø8/14.4	-985	-39237	SLD 3	12451	38145	45397	2.5	38.74	1556	-37653	SLD 7	11613	33497	49608	2.5	21.53	Si
1484	5X/2Y Ø8/14.4	-985	-39107	SLD 3	12435	38145	45380	2.5	38.74	1556	-37523	SLD 7	11595	33497	49590	2.5	21.53	Si
1513	5X/2Y Ø8/14.4	-985	-38976	SLD 3	12419	38145	45363	2.5	38.74	1556	-37392	SLD 7	11577	33497	49572	2.5	21.53	Si
1542	5X/2Y Ø8/10	-985	-38846	SLD 3	12403	55098	45346	2.5	46.05	1556	-37262	SLD 7	11559	48385	49553	2.5	31.1	Si
1571	5X/2Y Ø8/10	-985	-38715	SLD 3	12386	55098	45330	2.5	46.04	1556	-37131	SLD 7	11542	48385	49535	2.5	31.1	Si
1600	5X/2Y Ø8/10	-985	-38585	SLD 3	12370	55098	45313	2.5	46.02	1556	-37001	SLD 7	11524	48385	49516	2.5	31.1	Si
1620	5X/2Y Ø8/10	-1103	-22931	SLD 3	10421	55098	43297	2.5	39.25	1304	-21274	SLD 7	9374	48385	47293	2.5	36.27	Si
1649	5X/2Y Ø8/10	-1103	-22802	SLD 3	10405	55098	43280	2.5	39.24	1304	-21145	SLD 7	9357	48385	47275	2.5	36.25	Si
1678	5X/2Y Ø8/10	-1103	-22672	SLD 3	10389	55098	43263	2.5	39.22	1304	-21015	SLD 7	9339	48385	47256	2.5	36.24	Si
1707	5X/2Y Ø8/14.4	-1103	-22541	SLD 3	10373	38145	43247	2.5	34.58	1304	-20884	SLD 7	9321	33497	47238	2.5	25.69	Si
1736	5X/2Y Ø8/14.4	-1103	-22411	SLD 3	10357	38145	43230	2.5	34.58	1304	-20754	SLD 7	9303	33497	47219	2.5	25.69	Si
1765	5X/2Y Ø8/14.4	-1103	-22280	SLD 3	10340	38145	43213	2.5	34.58	1304	-20623	SLD 7	9285	33497	47201	2.5	25.69	Si
1794	5X/2Y Ø8/14.4	-1103	-22150	SLD 3	10324	38145	43196	2.5	34.58	1304	-20493	SLD 7	9268	33497	47182	2.5	25.69	Si
1823	5X/2Y Ø8/14.4	-1103	-22019	SLD 3	10308	38145	43179	2.5	34.58	1304	-20362	SLD 7	9250	33497	47164	2.5	25.69	Si
1852	5X/2Y Ø8/10	-1103	-21889	SLD 3	10292	53996	43794	2.45	39.7	1304	-20232	SLD 7	9232	48385	47145	2.5	36.15	Si
1881	5X/2Y Ø8/10	-1103	-21758	SLD 3	10275	53996	43777	2.45	39.69	1304	-20101	SLD 7	9214	48385	47127	2.5	36.14	Si
1910	5X/2Y Ø8/10	-1103	-21630	SLD 3	10259	53996	43761	2.45	39.67	1304	-19973	SLD 7	9197	48385	47109	2.5	36.13	Si
1930	3X/2Y Ø8/10	-904	-7602	SLD 5	4698	28818	22889	2.2	25.33	-1144	-6915	SLD 15	4644	22039	21062	2.5	18.42	Si
1960	3X/2Y Ø8/10	-904	-7535	SLD 5	4689	28818	22880	2.2	25.32	-1144	-6848	SLD 15	4636	22039	21054	2.5	18.41	Si
1990	3X/2Y Ø8/10	-904	-7467	SLD 5	4681	28818	22870	2.2	25.31	-1144	-6780	SLD 15	4627	22039	21045	2.5	18.4	Si
2020	3X/2Y Ø8/10	-904	-7400	SLD 5	4673	28818	22861	2.2	25.3	-1144	-6713	SLD 15	4619	22039	21036	2.5	18.39	Si
2050	3X/2Y Ø8/10	-904	-7332	SLD 5	4665	28818	22852	2.2	25.29	-1144	-6645	SLD 15	4611	22039	21028	2.5	18.39	Si
2080	3X/2Y Ø8/10	-904	-7265	SLD 5	4656	28818	22842	2.2	25.28	-1144	-6578	SLD 15	4602	22039	21019	2.5	18.38	Si
2110	3X/2Y Ø8/10	-904	-7197	SLD 5	4648	28818	22833	2.2	25.27	-1144	-6510	SLD 15	4594	22039	21010	2.5	18.37	Si
2140	3X/2Y Ø8/10	-904	-7130	SLD 5	4640	28818	22823	2.2	25.26	-1144	-6443	SLD 15	4585	22039	21001	2.5	18.36	Si
2170	3X/2Y Ø8/10	-904	-7062	SLD 5	4631	28818	22814	2.2	25.25	-1144	-6375	SLD 15	4577	22039	20993	2.5	18.36	Si
2200	3X/2Y Ø8/10	-904	-6996	SLD 5	4623	28818	22805	2.2	25.24	-1144	-6309	SLD 15	4569	22039	20984	2.5	18.35	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	165827	110962	-123126	SLE RA 13	-76.6	165827	110962	-123126	SLE RA 13	-1073.8	Si
-111	155126	99235	-122996	SLE RA 13	-74.9	155126	99235	-122996	SLE RA 13	-1056.2	Si
-81	144239	87305	-122864	SLE RA 13	-73.3	144239	87305	-122864	SLE RA 13	-1038.4	Si
-52	133353	75375	-122731	SLE RA 13	-71.6	133353	75375	-122731	SLE RA 13	-1020.5	Si
-22	122467	63445	-122599	SLE RA 13	-69.9	122467	63445	-122599	SLE RA 13	-1002.7	Si
7	111580	51515	-122467	SLE RA 13	-68.3	111580	51515	-122467	SLE RA 13	-984.8	Si
36	100694	39586	-122334	SLE RA 13	-66.6	100694	39586	-122334	SLE RA 13	-967	Si
66	89808	27656	-122202	SLE RA 13	-64.9	89808	27656	-122202	SLE RA 13	-949.1	Si
95	78921	15726	-122069	SLE RA 13	-63.3	78921	15726	-122069	SLE RA 13	-931.3	Si
125	68035	3796	-121937	SLE RA 13	-61.6	68035	3796	-121937	SLE RA 13	-913.4	Si
154	57148	-8134	-121805	SLE RA 13	-61.4	57148	-8134	-121805	SLE RA 13	-910	Si
184	46262	-20064	-121672	SLE RA 13	-61.9	46262	-20064	-121672	SLE RA 13	-913.2	Si
213	35270	-32109	-121539	SLE RA 13	-62.4	35270	-32109	-121539	SLE RA 13	-916.5	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
242	24489	-43924	-121408	SLE RA 13	-62.9	24489	-43924	-121408	SLE RA 13	-919.7	Si
272	13603	-55854	-121275	SLE RA 13	-63.5	13603	-55854	-121275	SLE RA 13	-922.9	Si
301	2717	-67784	-121143	SLE RA 13	-64	2717	-67784	-121143	SLE RA 13	-926.9	Si
331	-8170	-79714	-121011	SLE RA 13	-65.3	-8170	-79714	-121011	SLE RA 13	-938.9	Si
360	-18871	-91441	-120881	SLE RA 13	-66.8	-18871	-91441	-120881	SLE RA 13	-954.6	Si
380	-52811	78243	-102692	SLE RA 12	-58.5	-52811	78243	-102692	SLE RA 12	-833	Si
409	-42459	63499	-102562	SLE RA 12	-56.6	-42459	63499	-102562	SLE RA 12	-813	Si
438	-32108	48754	-102431	SLE RA 12	-54.7	-32108	48754	-102431	SLE RA 12	-793	Si
467	-21756	34010	-102301	SLE RA 12	-52.8	-21756	34010	-102301	SLE RA 12	-772.9	Si
496	-11405	19265	-102170	SLE RA 12	-50.9	-11405	19265	-102170	SLE RA 12	-752.9	Si
525	-1042	-4693	-102579	SLE RA 13	-49.3	-1042	-4693	-102579	SLE RA 13	-736.9	Si
554	9868	-17051	-102449	SLE RA 13	-50.8	9868	-17051	-102449	SLE RA 13	-752.1	Si
583	20778	-29409	-102318	SLE RA 13	-52.4	20778	-29409	-102318	SLE RA 13	-768.4	Si
612	31688	-41766	-102188	SLE RA 13	-53.9	31688	-41766	-102188	SLE RA 13	-784.8	Si
641	42598	-54124	-102057	SLE RA 13	-55.5	42598	-54124	-102057	SLE RA 13	-801.2	Si
670	53319	-66269	-101929	SLE RA 13	-57.1	53319	-66269	-101929	SLE RA 13	-817.2	Si
690	7260	75787	-84710	SLE RA 13	-47.6	7260	75787	-84710	SLE RA 13	-675.9	Si
719	9509	61280	-84580	SLE RA 13	-46.3	9509	61280	-84580	SLE RA 13	-663.4	Si
748	11759	46773	-84449	SLE RA 13	-45	11759	46773	-84449	SLE RA 13	-651	Si
777	14009	32265	-84319	SLE RA 13	-43.7	14009	32265	-84319	SLE RA 13	-638.5	Si
806	16259	17758	-84188	SLE RA 13	-42.5	16259	17758	-84188	SLE RA 13	-626.1	Si
835	18508	3251	-84058	SLE RA 13	-41.2	18508	3251	-84058	SLE RA 13	-613.6	Si
864	20758	-11257	-83927	SLE RA 13	-41.9	20758	-11257	-83927	SLE RA 13	-621.1	Si
893	23008	-25764	-83797	SLE RA 13	-43.3	23008	-25764	-83797	SLE RA 13	-634.3	Si
922	25258	-40271	-83666	SLE RA 13	-44.7	25258	-40271	-83666	SLE RA 13	-647.5	Si
951	27508	-54779	-83536	SLE RA 13	-46.1	27508	-54779	-83536	SLE RA 13	-660.7	Si
980	29719	-69036	-83408	SLE RA 13	-47.4	29719	-69036	-83408	SLE RA 13	-673.7	Si
1000	-15440	73576	-66531	SLE RA 13	-39.1	-15440	73576	-66531	SLE RA 13	-548.9	Si
1029	-8359	59465	-66401	SLE RA 13	-37.4	-8359	59465	-66401	SLE RA 13	-531.4	Si
1058	-1277	45354	-66270	SLE RA 13	-35.7	-1277	45354	-66270	SLE RA 13	-514.5	Si
1087	5805	31243	-66140	SLE RA 13	-34.6	5805	31243	-66140	SLE RA 13	-503.1	Si
1116	12887	17132	-66009	SLE RA 13	-33.6	12887	17132	-66009	SLE RA 13	-493.8	Si
1145	19969	3021	-65879	SLE RA 13	-32.6	19969	3021	-65879	SLE RA 13	-484.5	Si
1174	27051	-11090	-65748	SLE RA 13	-33.6	27051	-11090	-65748	SLE RA 13	-494.9	Si
1203	34133	-25201	-65618	SLE RA 13	-35.1	34133	-25201	-65618	SLE RA 13	-510.6	Si
1232	41215	-39312	-65487	SLE RA 13	-36.7	41215	-39312	-65487	SLE RA 13	-526.2	Si
1261	48297	-53423	-65357	SLE RA 13	-38.3	48297	-53423	-65357	SLE RA 13	-541.9	Si
1290	55379	-67533	-65226	SLE RA 13	-39.8	55379	-67533	-65226	SLE RA 13	-557.6	Si
1310	-52414	45686	-47052	SLE RA 13	-29.1	-52414	45686	-47052	SLE RA 13	-406.8	Si
1339	-39689	37154	-46924	SLE RA 13	-27.6	-39689	37154	-46924	SLE RA 13	-390.9	Si
1368	-26741	28472	-46793	SLE RA 13	-26.1	-26741	28472	-46793	SLE RA 13	-374.8	Si
1397	-13793	19790	-46663	SLE RA 13	-24.7	-13793	19790	-46663	SLE RA 13	-358.6	Si
1426	-845	11109	-46532	SLE RA 13	-23.2	-845	11109	-46532	SLE RA 13	-342.4	Si
1455	12103	2427	-46402	SLE RA 13	-22.9	12103	2427	-46402	SLE RA 13	-340.4	Si
1484	25051	-6255	-46271	SLE RA 13	-23.8	25051	-6255	-46271	SLE RA 13	-350.4	Si
1513	37999	-14937	-46141	SLE RA 13	-25.1	37999	-14937	-46141	SLE RA 13	-364.7	Si
1542	50947	-23618	-46010	SLE RA 13	-26.5	50947	-23618	-46010	SLE RA 13	-379	Si
1571	63895	-32300	-45880	SLE RA 13	-27.8	63895	-32300	-45880	SLE RA 13	-393.3	Si
1600	76843	-40982	-45749	SLE RA 13	-29.2	76843	-40982	-45749	SLE RA 13	-407.7	Si
1620	-24113	47810	-27762	SLE RA 13	-18.7	-24113	47810	-27762	SLE RA 13	-254.5	Si
1649	-21088	36424	-27634	SLE RA 13	-17.5	-21088	36424	-27634	SLE RA 13	-241.8	Si
1678	-18009	24839	-27504	SLE RA 13	-16.2	-18009	24839	-27504	SLE RA 13	-228.8	Si
1707	-14931	13254	-27373	SLE RA 13	-14.9	-14931	13254	-27373	SLE RA 13	-215.8	Si
1736	-11853	1669	-27243	SLE RA 13	-13.7	-11853	1669	-27243	SLE RA 13	-202.8	Si
1765	-8775	-9916	-27112	SLE RA 13	-14.2	-8775	-9916	-27112	SLE RA 13	-207.4	Si
1794	-5696	-21501	-26982	SLE RA 13	-15.1	-5696	-21501	-26982	SLE RA 13	-214.9	Si
1823	-2618	-33086	-26851	SLE RA 13	-15.9	-2618	-33086	-26851	SLE RA 13	-222.4	Si
1852	460	-44671	-26721	SLE RA 13	-16.8	460	-44671	-26721	SLE RA 13	-231.3	Si
1881	12938	-56902	-25672	SLE RA 11	-18	3539	-56256	-26590	SLE RA 13	-241.8	Si
1910	17337	-68481	-25544	SLE RA 11	-16.3	6564	-67641	-26462	SLE RA 13	-263.4	Si
1930	89387	21452	-8083	SLE RA 12	-24.4	86417	21315	-8764	SLE RA 8	-274.1	Si
1960	60353	17460	-8697	SLE RA 8	-22.5	60353	17460	-8697	SLE RA 8	-260.8	Si
1990	34288	13606	-8629	SLE RA 8	-16.6	34288	13606	-8629	SLE RA 8	-203.5	Si
2020	8224	9752	-8562	SLE RA 8	-11.2	8224	9752	-8562	SLE RA 8	-150.8	Si
2050	-18159	5555	-8523	SLE RA 9	-12.2	-18159	5555	-8523	SLE RA 9	-159.6	Si
2080	-44024	1828	-8456	SLE RA 9	-16	-44024	1828	-8456	SLE RA 9	-196.1	Si
2110	-71821	-3617	-7707	SLE RA 13	-20.5	-69888	-1900	-8388	SLE RA 9	-239.6	Si
2140	-98784	-7692	-7611	SLE RA 12	-26	-96035	-5666	-8292	SLE RA 8	-289.9	Si
2170	-125666	-11855	-7543	SLE RA 12	-41.1	-121235	-13084	-6571	SLE RA 10	486	Si
2200	-152099	-15950	-7477	SLE RA 12	-45.8	-146745	-17197	-6505	SLE RA 10	566.5	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²

Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	142082	48126	-104724	SLE QP 2	-61	Si
-111	132989	43391	-104594	SLE QP 2	-60	Si
-81	123739	38574	-104461	SLE QP 2	-59.1	Si
-52	114488	33757	-104329	SLE QP 2	-58.2	Si
-22	105237	28940	-104196	SLE QP 2	-57.2	Si
7	95987	24123	-104064	SLE QP 2	-56.3	Si
36	86736	19306	-103932	SLE QP 2	-55.3	Si
66	77486	14489	-103799	SLE QP 2	-54.4	Si
95	68235	9672	-103667	SLE QP 2	-53.4	Si
125	58985	4855	-103535	SLE QP 2	-52.5	Si
154	49734	37	-103402	SLE QP 2	-51.6	Si
184	40483	-4780	-103270	SLE QP 2	-51.5	Si
213	31143	-9643	-103136	SLE QP 2	-51.4	Si
242	21982	-14414	-103005	SLE QP 2	-51.4	Si
272	12732	-19231	-102873	SLE QP 2	-51.3	Si
301	3481	-24048	-102741	SLE QP 2	-51.3	Si
331	-5769	-28865	-102608	SLE QP 2	-51.7	Si
360	-14863	-33600	-102478	SLE QP 2	-52.5	Si
380	-49442	56786	-87420	SLE QP 2	-49.1	Si
409	-39896	46143	-87289	SLE QP 2	-47.6	Si
438	-30350	35499	-87159	SLE QP 2	-46.2	Si
467	-20805	24856	-87028	SLE QP 2	-44.7	Si
496	-11259	14212	-86898	SLE QP 2	-43.2	Si
525	-1713	3569	-86767	SLE QP 2	-41.7	Si
554	7833	-7074	-86637	SLE QP 2	-42.2	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
583	17379	-17718	-86506	SLE QP 2	-43.6	Si
612	26924	-28361	-86376	SLE QP 2	-45	Si
641	36470	-39005	-86245	SLE QP 2	-46.3	Si
670	45852	-49465	-86117	SLE QP 2	-47.7	Si
690	2048	57690	-71505	SLE QP 2	-39.4	Si
719	4505	46607	-71375	SLE QP 2	-38.4	Si
748	6963	35525	-71244	SLE QP 2	-37.5	Si
777	9420	24443	-71114	SLE QP 2	-36.5	Si
806	11877	13361	-70983	SLE QP 2	-35.6	Si
835	14334	2278	-70853	SLE QP 2	-34.6	Si
864	16791	-8804	-70722	SLE QP 2	-35.3	Si
893	19248	-19886	-70592	SLE QP 2	-36.3	Si
922	21705	-30968	-70461	SLE QP 2	-37.4	Si
951	24162	-42051	-70331	SLE QP 2	-38.5	Si
980	26577	-52942	-70203	SLE QP 2	-39.5	Si
1000	-16700	54591	-55817	SLE QP 2	-32.3	Si
1029	-10203	44108	-55687	SLE QP 2	-31	Si
1058	-3705	33625	-55556	SLE QP 2	-29.7	Si
1087	2792	23142	-55426	SLE QP 2	-28.6	Si
1116	9289	12659	-55295	SLE QP 2	-27.9	Si
1145	15787	2177	-55165	SLE QP 2	-27.2	Si
1174	22284	-8306	-55034	SLE QP 2	-28	Si
1203	28781	-18789	-54904	SLE QP 2	-29.2	Si
1232	35279	-29272	-54773	SLE QP 2	-30.4	Si
1261	41776	-39755	-54643	SLE QP 2	-31.6	Si
1290	48273	-50238	-54512	SLE QP 2	-32.8	Si
1310	-46822	29296	-39043	SLE QP 2	-23.5	Si
1339	-35680	23918	-38914	SLE QP 2	-22.4	Si
1368	-24342	18447	-38784	SLE QP 2	-21.3	Si
1397	-13005	12975	-38653	SLE QP 2	-20.2	Si
1426	-1668	7503	-38523	SLE QP 2	-19.1	Si
1455	9670	2032	-38392	SLE QP 2	-18.9	Si
1484	21007	-3440	-38262	SLE QP 2	-19.5	Si
1513	32345	-8912	-38131	SLE QP 2	-20.5	Si
1542	43682	-14383	-38001	SLE QP 2	-21.5	Si
1571	55019	-19855	-37870	SLE QP 2	-22.4	Si
1600	66357	-25327	-37740	SLE QP 2	-23.4	Si
1620	-23663	33356	-22397	SLE QP 2	-14.8	Si
1649	-20326	24782	-22269	SLE QP 2	-13.8	Si
1678	-16930	16058	-22139	SLE QP 2	-12.8	Si
1707	-13534	7333	-22008	SLE QP 2	-11.8	Si
1736	-10138	-1391	-21878	SLE QP 2	-11	Si
1765	-6742	-10115	-21747	SLE QP 2	-11.6	Si
1794	-3347	-18840	-21617	SLE QP 2	-12.2	Si
1823	49	-27564	-21486	SLE QP 2	-12.7	Si
1852	3445	-36289	-21356	SLE QP 2	-13.6	Si
1881	6841	-45013	-21225	SLE QP 2	-14.5	Si
1910	10178	-53587	-21097	SLE QP 2	-13	Si
1930	72176	17534	-6433	SLE QP 2	-19.7	Si
1960	50332	14029	-6365	SLE QP 2	-17.8	Si
1990	28489	10525	-6298	SLE QP 2	-12.9	Si
2020	6645	7020	-6230	SLE QP 2	-8.3	Si
2050	-15199	3516	-6163	SLE QP 2	-9.1	Si
2080	-37042	11	-6095	SLE QP 2	-12.2	Si
2110	-58886	-3493	-6028	SLE QP 2	-16.7	Si
2140	-80729	-6998	-5960	SLE QP 2	-21.1	Si
2170	-102573	-10503	-5893	SLE QP 2	-33.9	Si
2200	-124053	-13949	-5826	SLE QP 2	-37.7	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

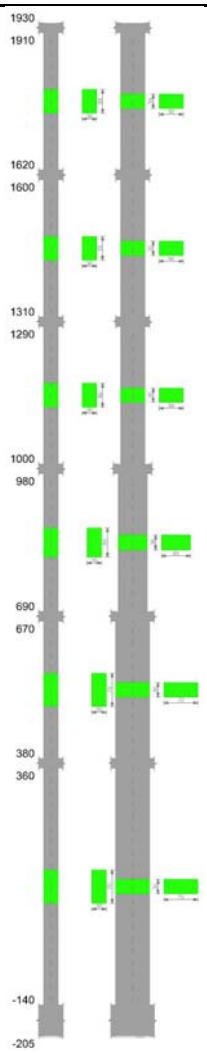
Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 2220 in quanto elemento di estremità superiore alla pilastrata.
per il nodo Appoggio 990 in quanto nodo interno a piastra.

Pilastro 55

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x70	No	No	No	No		C30/37	B450C	
380	670	R 30x70	No	No	No	No		C30/37	B450C	
690	980	R 30x60_1	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	
1620	1910	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.67	-29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.67	29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.67	29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	-18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	-6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	-18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	-6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.2	-9.67	-29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.67	-29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.67	29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.67	29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	-18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	-6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	-18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	-6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	18.42	1.6	2.011	-140	380	R 30x70	B450C
p.3	-9.67	-29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	9.67	-29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	9.67	29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	-9.67	29.67	1.6	2.011	380	690	R 30x70	B450C
p.5	-9.9	-18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	-9.9	18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	9.9	-18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	9.9	18.42	1.6	2.011	380	690	R 30x70	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	-9.9	-6.14	1.6	2.011	380	690	R 30x70	B450C
p.6	-9.9	6.14	1.6	2.011	380	690	R 30x70	B450C
p.6	9.9	-6.14	1.6	2.011	380	690	R 30x70	B450C
p.6	9.9	6.14	1.6	2.011	380	690	R 30x70	B450C
p.7	-9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	-9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.9	-9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.9	-9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.9	9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.9	9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.10	-9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.10	9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.11	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.9	-10.35	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.9	0	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.9	10.35	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.9	-10.35	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.9	0	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.9	10.35	1.6	2.011	1000	1310	R 30x50	B450C
p.12	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.12	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.13	-9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.13	9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.13	9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.13	-9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.14	-9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.14	-9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.14	9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.14	9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	2.3	0	1,2	705402	705402	-260056	967634	967634	SLU 51	1.372	Si
-111	24.13	2.3	0	1,2	704867	704867	-259859	967634	967634	SLU 51	1.373	Si
-81	24.13	1.1	0	2	704323	704323	-259658	967634	967634	SLU 51	1.374	Si
-52	24.13	1.1	0	2	703778	703778	-259457	967634	967634	SLU 51	1.375	Si
-22	24.13	1.1	0	2	703234	703234	-259257	967634	967634	SLU 51	1.376	Si
7	24.13	1.1	0	2	702689	702689	-259056	967634	967634	SLU 51	1.377	Si
36	24.13	1.1	0	2	702145	702145	-258855	967634	967634	SLU 51	1.378	Si
66	24.13	1.1	0	2	701600	-701600	-258654	967634	-967634	SLU 51	1.379	Si
95	24.13	1.1	0	2	701056	-701056	-258454	967634	-967634	SLU 51	1.38	Si
125	24.13	1.1	0	2	700511	-700511	-258253	967634	-967634	SLU 51	1.381	Si
154	24.13	1.1	0	2	699967	-699967	-258052	967634	-967634	SLU 51	1.382	Si
184	24.13	1.1	0	2	699422	-699422	-257851	967634	-967634	SLU 51	1.383	Si
213	24.13	1.1	0	2	-698872	-698872	-257649	-967634	-967634	SLU 51	1.385	Si
242	24.13	1.1	0	2	-698333	-698333	-257450	-967634	-967634	SLU 51	1.386	Si
272	24.13	1.1	0	2	-697789	-697789	-257249	-967634	-967634	SLU 51	1.387	Si
301	24.13	1.1	0	2	-697244	-697244	-257049	-967634	-967634	SLU 51	1.388	Si
331	24.13	1.1	0	2	-696700	-696700	-256848	-967634	-967634	SLU 51	1.389	Si
360	24.13	1.1	0	2	-696164	-696164	-256650	-967634	-967634	SLU 51	1.39	Si
380	24.13	2.3	0	2,3,5,6	-444023	444023	-222011	-763108	763108	SLU 51	1.719	Si
409	24.13	2.3	0	2,3,5,6	-443627	443627	-221814	-763108	763108	SLU 51	1.72	Si
438	24.13	1.1	0	3,5,6	-443231	443231	-221616	-763108	763108	SLU 51	1.722	Si
467	24.13	1.1	0	3,5,6	-442835	442835	-221418	-763108	763108	SLU 51	1.723	Si
496	24.13	1.1	0	3,5,6	-442439	442439	-221220	-763108	763108	SLU 51	1.725	Si
525	24.13	1.1	0	3,5,6	-442044	442044	-221022	-763108	763108	SLU 51	1.726	Si
554	24.13	1.1	0	3,5,6	-441648	-441648	-220824	-763108	-763108	SLU 51	1.728	Si
583	24.13	1.1	0	3,5,6	-441252	-441252	-220626	-763108	-763108	SLU 51	1.729	Si
612	24.13	1.1	0	3,5,6	440856	-440856	-220428	763108	-763108	SLU 51	1.731	Si
641	24.39	1.5	0	3,4,5,6	440460	-440460	-220230	764835	-764835	SLU 51	1.736	Si
670	31.44	1.9	0	3,4,5,6	440064	-440064	-220032	811233	-811233	SLU 51	1.843	Si
690	24.13	2.5	0	4,5,6,7,9,10	-371247	371247	-185624	-673235	673235	SLU 51	1.813	Si
719	21.83	2.5	0	4,5,6,7,9,10	-370908	370908	-185454	-658510	658510	SLU 51	1.775	Si
748	20.11	1.1	0	7,9,10	-370569	370569	-185284	-647491	647491	SLU 51	1.747	Si
777	20.11	1.1	0	7,9,10	-370229	370229	-185115	-647491	647491	SLU 51	1.749	Si
806	20.11	1.1	0	7,9,10	-369890	369890	-184945	-647491	647491	SLU 51	1.75	Si
835	20.11	1.1	0	7,9,10	369551	369551	-184775	647491	647491	SLU 51	1.752	Si
864	20.11	1.1	0	7,9,10	369211	-369211	-184606	647491	-647491	SLU 51	1.754	Si
893	20.11	1.1	0	7,9,10	368872	-368872	-184436	647491	-647491	SLU 51	1.755	Si
922	20.11	1.1	0	7,9,10	368533	-368533	-184266	647491	-647491	SLU 51	1.757	Si
951	20.37	1.6	0	7,8,9,10	368194	-368194	-184097	649217	-649217	SLU 51	1.763	Si
980	27.42	2	0	7,8,9,10	367860	-367860	-183930	695580	-695580	SLU 51	1.891	Si
1000	20.11	2.7	0	8,9,10,11	-300208	300208	-150104	-556148	556148	SLU 51	1.853	Si
1029	20.11	2.7	0	8,9,10,11	-299925	299925	-149963	-556148	556148	SLU 51	1.854	Si
1058	20.11	1.3	0	11	-299643	299643	-149821	-556148	556148	SLU 51	1.856	Si
1087	20.11	1.3	0	11	-299360	299360	-149680	-556148	556148	SLU 51	1.858	Si
1116	20.11	1.3	0	11	-299077	299077	-149539	-556148	556148	SLU 51	1.86	Si
1145	20.11	1.3	0	11	298794	-298794	-149397	556148	-556148	SLU 51	1.861	Si
1174	20.11	1.3	0	11	298512	-298512	-149256	556148	-556148	SLU 51	1.863	Si
1203	20.11	1.3	0	11	298229	-298229	-149114	556148	-556148	SLU 51	1.865	Si
1232	20.11	1.3	0	11	297946	-297946	-148973	556148	-556148	SLU 51	1.867	Si
1261	20.11	1.3	0	11	297663	-297663	-148832	556148	-556148	SLU 51	1.868	Si
1290	20.11	1.3	0	11	297386	-297386	-148693	556148	-556148	SLU 51	1.87	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1310	20.11	2.4	0	11,12	-232114	232114	-116057	-556148	556148	SLU 51	2.396	Si
1339	17.8	2.4	0	11,12	-231832	231832	-115916	-541580	541580	SLU 51	2.336	Si
1368	16.08	1.1	0	12	-231549	231549	-115774	-530708	530708	SLU 51	2.292	Si
1397	16.08	1.1	0	12	-231266	231266	-115633	-530708	530708	SLU 51	2.295	Si
1426	16.08	1.1	0	12	-230983	230983	-115492	-530708	530708	SLU 51	2.298	Si
1455	16.08	1.1	0	12	230701	230701	-115350	530708	530708	SLU 51	2.3	Si
1484	16.08	1.1	0	12	230418	-230418	-115209	530708	-530708	SLU 51	2.303	Si
1513	16.08	1.1	0	12	230135	-230135	-115068	530708	-530708	SLU 51	2.306	Si
1542	16.08	1.1	0	12	229852	-229852	-114926	530708	-530708	SLU 51	2.309	Si
1571	16.08	1.1	0	12	229570	-229570	-114785	530708	-530708	SLU 51	2.312	Si
1600	16.08	1.1	0	12	229292	-229292	-114646	530708	-530708	SLU 51	2.315	Si
1620	16.08	2.1	0	12,13,14	-212131	158793	-79397	-693995	519498	SLU 52	3.272	Si
1649	16.08	2.1	0	12,13,14	-158511	158511	-79255	-530708	530708	SLU 52	3.348	Si
1678	16.08	1.1	0	13,14	-158228	158228	-79114	-530708	530708	SLU 52	3.354	Si
1707	16.08	1.1	0	13,14	-157945	157945	-78973	-530708	530708	SLU 52	3.36	Si
1736	16.08	1.1	0	13,14	157662	-157662	-78831	530708	-530708	SLU 52	3.366	Si
1765	16.08	1.1	0	13,14	157380	-157380	-78690	530708	-530708	SLU 52	3.372	Si
1794	16.08	1.1	0	13,14	157097	-157097	-78548	530708	-530708	SLU 52	3.378	Si
1823	16.08	1.1	0	13,14	178901	-156814	-78407	600322	-526207	SLU 52	3.356	Si
1852	16.08	1.1	0	13,14	234763	-156531	-78266	769553	-513110	SLU 52	3.278	Si
1881	16.08	1.1	0	13,14	284148	-188917	-78124	883325	-587283	SLU 51	3.109	Si
1910	16.08	1.1	0	13,14	337687	-225496	-77985	987313	-659293	SLU 51	2.924	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	24.13	2.3	0	1,2	2211233	250992	-161502	-2.02	1.92	3068331	348279	SLV 13	1.388				Si
-111	24.13	2.3	0	1,2	2041802	227044	-161350	-2.02	1.92	2988979	332369	SLV 13	1.464				Si
-81	24.13	1.1	0	2	1869466	202687	-161196	-2.02	1.92	2888569	313178	SLV 13	1.545				Si
-52	24.13	1.1	0	2	1697165	178336	-161042	-2.02	1.92	2765794	290625	SLV 13	1.63				Si
-22	24.13	1.1	0	2	1524910	153993	-160887	-2.02	1.92	2618421	264421	SLV 13	1.717				Si
7	24.13	1.1	0	2	1352716	129662	-160733	-2.02	1.92	2446112	234468	SLV 13	1.808				Si
36	24.13	1.1	0	2	1180614	105354	-160578	-2.02	1.92	2248857	200680	SLV 13	1.905				Si
66	24.13	1.1	0	2	1008653	81086	-160424	-2.02	1.92	2028927	163106	SLV 13	2.012				Si
95	24.13	1.1	0	2	836909	56904	-160270	-2.02	1.92	1782974	121229	SLV 13	2.13				Si
125	24.13	1.1	0	2	665546	32962	-160115	-2.02	1.92	1506469	74609	SLV 13	2.264				Si
154	24.13	1.1	0	2	495042	-4633	-159961	-2.02	1.92	1196818	-11202	SLV 13	2.418				Si
184	24.13	1.1	0	2	326725	-20504	-159806	-2.02	1.92	790754	-49624	SLV 13	2.42				Si
213	24.13	1.1	0	2	165337	-42915	-159650	-2.02	1.92	400548	-103965	SLV 13	2.423				Si
242	24.13	1.1	0	2	-47542	-66493	-159498	-2.02	1.92	-115285	-161241	SLV 13	2.425				Si
272	24.13	1.1	0	2	-223218	-90629	-159343	-2.02	1.92	-541813	-219983	SLV 13	2.427				Si
301	24.13	1.1	0	2	-385505	-114879	-159189	-2.02	1.92	-912487	-271917	SLV 13	2.367				Si
331	24.13	1.1	0	2	-554697	-139180	-159034	-2.02	1.92	-1234953	-309863	SLV 13	2.226				Si
360	24.13	1.1	0	2	-722548	-163091	-158883	-2.02	1.92	-1519028	-342870	SLV 13	2.102				Si
380	24.13	2.3	0	2,3,5,6	136306	384452	-136650	-2.02	1.92	323931	913651	SLV 9	2.376				Si
409	24.13	2.3	0	2,3,5,6	97532	310699	-136498	-2.02	1.92	246536	785367	SLV 9	2.528				Si
438	24.13	1.1	0	3,5,6	62678	237004	-136346	-2.02	1.92	169034	639169	SLV 9	2.697				Si
467	24.13	1.1	0	3,5,6	75270	123795	-136554	-2.02	1.92	213192	350633	SLV 13	2.832				Si
496	24.13	1.1	0	3,5,6	-11495	68968	-136401	-2.02	1.92	-32595	195561	SLV 13	2.836				Si
525	24.13	1.1	0	3,5,6	-166467	14643	-136249	-2.02	1.92	-472551	41567	SLV 13	2.839				Si
554	24.13	1.1	0	3,5,6	-239789	-45678	-136097	-2.02	1.92	-681451	-129813	SLV 13	2.842				Si
583	24.13	1.1	0	3,5,6	-294961	-100007	-135945	-2.02	1.92	-826068	-280079	SLV 13	2.801				Si
612	24.13	1.1	0	3,5,6	-252515	-207384	-135432	-2.02	1.92	-665025	-546170	SLV 9	2.634				Si
641	24.39	1.5	0	3,4,5,6	-292796	-281047	-135280	-2.02	1.92	-725791	-696669	SLV 9	2.479				Si
670	31.44	1.9	0	3,4,5,6	-334273	-354786	-135128	-2.02	1.92	-827226	-877989	SLV 9	2.475				Si
690	24.13	2.5	0	4,5,6,7,9,10	276872	321755	-113380	-2.02	1.92	658748	765537	SLV 9	2.379				Si
719	21.83	2.5	0	4,5,6,7,9,10	219626	257158	-113249	-2.02	1.92	550045	644043	SLV 9	2.504				Si
748	20.11	1.1	0	7,9,10	163642	192642	-113119	-2.02	1.92	435392	512551	SLV 9	2.661				Si
777	20.11	1.1	0	7,9,10	110897	128333	-112988	-2.02	1.92	319892	370187	SLV 9	2.885				Si
806	20.11	1.1	0	7,9,10	91696	49873	-113143	-2.02	1.92	266856	145142	SLV 13	2.91				Si
835	20.11	1.1	0	7,9,10	-72600	2680	-113012	-2.02	1.92	-211525	7809	SLV 13	2.914				Si
864	20.11	1.1	0	7,9,10	-150902	-53609	-112882	-2.02	1.92	-440172	-156374	SLV 13	2.917				Si
893	20.11	1.1	0	7,9,10	-229929	-102323	-112751	-2.02	1.92	-644884	-286987	SLV 13	2.805				Si
922	20.11	1.1	0	7,9,10	-314023	-151640	-112621	-2.02	1.92	-815619	-393858	SLV 13	2.597				Si
951	20.37	1.6	0	7,8,9,10	-399887	-201113	-112490	-2.02	1.92	-968765	-487217	SLV 13	2.423				Si
980	27.42	2	0	7,8,9,10	-485061	-249795	-112362	-2.02	1.92	-1176088	-605658	SLV 13	2.425				Si
1000	20.11	2.7	0	8,9,10,11	169692	277818	-90663	-2.02	1.92	415612	680435	SLV 9	2.449				Si
1029	20.11	2.7	0	8,9,10,11	134634	222222	-90554	-2.02	1.92	354835	585678	SLV 9	2.636				Si
1058	20.11	1.3	0	11	100494	166906	-90445	-2.02	1.92	286401	475673	SLV 9	2.85				Si
1087	20.11	1.3	0	11	106348	90477	-90521	-2.02	1.92	328588	279551	SLV 13	3.09				Si
1116	20.11	1.3	0	11	49848	50738	-90412	-2.02	1.92	158514	161342	SLV 13	3.18				Si
1145	20.11	1.3	0	11	-40660	-23311	-90303	-2.02	1.92	-129451	-74215	SLV 13	3.184				Si
1174	20.11	1.3	0	11	-94623	-55285	-90195	-2.02	1.92	-301619	-176227	SLV 13	3.188				Si
1203	20.11	1.3	0	11	-141335	-95544	-90086	-2.02	1.92	-425441	-287601	SLV 13	3.01				Si
1232	20.11	1.3	0	11	-192631	-138138	-89977	-2.02	1.92	-536475	-384714	SLV 13	2.785				Si
1261	20.11	1.3	0	11	-167062	-229978	-89684	-2.02	1.92	-432043	-594752	SLV 9	2.586				Si
1290	20.11	1.3	0	11	-201860	-284638	-89577	-2.02	1.92	-486806	-686433	SLV 9	2.412				Si
1310	20.11	2.4	0	11,12	372778	285876	-68623	-2.02	1.92	925636	709852	SLV 13	2.483				Si
1339	17.8	2.4	0	11,12	301770	232802	-68514	-2.02	1.92	822919	634845	SLV 13	2.727				Si
1368	16.08	1.1	0	12	162814	179865	-68406	-2.02	1.92	513376	567141	SLV 13	3.153				Si
1397	16.08	1.1	0	12	115406	127241	-68297	-2.02	1.92	403748	445154	SLV 13	3.499				Si
1426	16.08	1.1	0	12	73185	75620	-68188	-2.02	1.92	285793	295300	SLV 13	3.905				Si
1455	16.08	1.1	0	12	-37405	-19735	-68079	-2.02	1.92	-149317	-78779	SLV 13	3.992				Si
1484	16.08	1.1	0	12	-96653	-43038	-67971	-2.02	1.92	-386450	-172080	SLV 13	3.998				Si
1513	16.08	1.1	0	12	-157209	-91551	-67862	-2.02	1.92	-560666	-326506	SLV 13	3.566				Si
1542	16.08	1.1	0	12	-225052	-143615	-67753	-2.02	1.92	-713698	-455440	SLV 13	3.171				Si
1571	16.08	1.1	0	12	-295166	-196359	-67644	-2.02	1.92	-836074	-556197	SLV 13	2.833				Si
1600	16.08	1.1	0	12	-365022	-248430	-67538	-2.02	1.92	-922715	-627991	SLV 13	2.528				Si
1620	16.08	2.1	0	12,13,14	-385626	258895	-45265	-2.02	1.92	-1048292	703785	SLV 5	2.718				Si
1649	16.08	2.1	0	12,13,14	-293918	199518	-45157	-2.02	1.92	-987711	670479	SLV 5	3.36				Si
1678	16.08	1.1	0	13,14	-202834	140171	-45048	-2.02	1.92	-842542	582251	SLV 5	4.154				Si
1707	16.08	1.1	0	13,14	-113743	80915	-44939	-2.02	1.92	-581766	413857	SLV 5	5.115				Si
1736	16.08	1.1	0	13,14	-25504	-16413	-44857	-2.02	1.92	-154521	-99440	SLV 1	6.059				Si
1765	16.08	1.1	0	13,14	113705	962	-44473	-2.02	1.92	680998	5759	SLV 3	5.989				Si
1794	16.08	1.1	0	13,14	220913	24149	-44365	-2.02	1.92	1099896	120237	SLV 3	4.979				Si
1823	16.08	1.1	0	13,14	336016	51257	-44256	-2.02	1.92	1397491	213177	SLV 3	4.159				Si
1852	16.08	1.1	0	13,14	452763	78688	-44147	-2.02	1.92	1554255	270122	SLV 3	3.433				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1881	16.08	1.1	0	13,14	570108	106216	-44038	-2.02	1.92	1608179	299618	SLV 3	2.821				Si
1910	16.08	1.1	0	13,14	685706	133311	-43932	-2.02	1.92	1608447	312705	SLV 3	2.346				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	2.3	0	1,2	940410	105287	-160332	1906318	213429	SLD 13	2.027	Si
-111	24.13	2.3	0	1,2	867497	94783	-160181	1802575	196949	SLD 13	2.078	Si
-81	24.13	1.1	0	2	793337	84098	-160026	1691588	179318	SLD 13	2.132	Si
-52	24.13	1.1	0	2	719199	73417	-159872	1574676	160746	SLD 13	2.189	Si
-22	24.13	1.1	0	2	645089	62740	-159717	1451343	141155	SLD 13	2.25	Si
7	24.13	1.1	0	2	571015	52070	-159563	1321049	120464	SLD 13	2.314	Si
36	24.13	1.1	0	2	496997	41410	-159408	1183269	98591	SLD 13	2.381	Si
66	24.13	1.1	0	2	423064	30772	-159254	1027470	74734	SLD 13	2.429	Si
95	24.13	1.1	0	2	349263	20178	-159100	849056	49053	SLD 13	2.431	Si
125	24.13	1.1	0	2	275693	9711	-158945	670861	23631	SLD 13	2.433	Si
154	24.13	1.1	0	2	202649	-5991	-158791	493597	-14593	SLD 13	2.436	Si
184	24.13	1.1	0	2	130940	-13587	-158636	319245	-33126	SLD 13	2.438	Si
213	24.13	1.1	0	2	63560	-23710	-158481	155117	-57863	SLD 13	2.44	Si
242	24.13	1.1	0	2	-31705	-34041	-158328	-77450	-83156	SLD 13	2.443	Si
272	24.13	1.1	0	2	-110258	-44621	-158173	-269608	-109108	SLD 13	2.445	Si
301	24.13	1.1	0	2	-179204	-55253	-158019	-438625	-135240	SLD 13	2.448	Si
331	24.13	1.1	0	2	-251614	-65911	-157864	-616460	-161482	SLD 13	2.45	Si
360	24.13	1.1	0	2	-323631	-76398	-157713	-793667	-187357	SLD 13	2.452	Si
380	24.13	2.3	0	2,3,5,6	-33375	192317	-135809	-94263	543177	SLD 9	2.824	Si
409	24.13	2.3	0	2,3,5,6	-3395	125878	-135793	-9670	358533	SLD 13	2.848	Si
438	24.13	1.1	0	3,5,6	-11110	96360	-135640	-31680	274764	SLD 13	2.851	Si
467	24.13	1.1	0	3,5,6	-12864	66914	-135488	-36723	191016	SLD 13	2.855	Si
496	24.13	1.1	0	3,5,6	-39476	37740	-135336	-112815	107856	SLD 13	2.858	Si
525	24.13	1.1	0	3,5,6	-100505	8879	-135184	-287553	25404	SLD 13	2.861	Si
554	24.13	1.1	0	3,5,6	-116778	-23551	-135031	-334489	-67456	SLD 13	2.864	Si
583	24.13	1.1	0	3,5,6	-123974	-52483	-134879	-355501	-150496	SLD 13	2.868	Si
612	24.13	1.1	0	3,5,6	-134150	-81886	-134727	-385115	-235078	SLD 13	2.871	Si
641	24.39	1.5	0	3,4,5,6	-145804	-111391	-134575	-420168	-320998	SLD 13	2.882	Si
670	31.44	1.9	0	3,4,5,6	-98856	-175637	-134286	-298107	-529645	SLD 9	3.016	Si
690	24.13	2.5	0	4,5,6,7,9,10	73843	164817	-112651	217441	485326	SLD 9	2.945	Si
719	21.83	2.5	0	4,5,6,7,9,10	99523	108428	-112626	296908	323476	SLD 13	2.983	Si
748	20.11	1.1	0	7,9,10	74487	81528	-112496	218021	238630	SLD 13	2.927	Si
777	20.11	1.1	0	7,9,10	51477	54742	-112365	150844	160415	SLD 13	2.93	Si
806	20.11	1.1	0	7,9,10	35492	28451	-112235	104124	83468	SLD 13	2.934	Si
835	20.11	1.1	0	7,9,10	-32576	2144	-112104	-95682	6298	SLD 13	2.937	Si
864	20.11	1.1	0	7,9,10	-54010	-28052	-111974	-158823	-82489	SLD 13	2.941	Si
893	20.11	1.1	0	7,9,10	-75808	-54516	-111843	-223180	-160498	SLD 13	2.944	Si
922	20.11	1.1	0	7,9,10	-100431	-81334	-111713	-296018	-239730	SLD 13	2.947	Si
951	20.37	1.6	0	7,8,9,10	-126085	-108245	-111582	-373075	-320288	SLD 13	2.959	Si
980	27.42	2	0	7,8,9,10	-89162	-164153	-111348	-272070	-500897	SLD 9	3.051	Si
1000	20.11	2.7	0	8,9,10,11	28650	147355	-90064	87337	449194	SLD 9	3.048	Si
1029	20.11	2.7	0	8,9,10,11	23083	117941	-89955	73235	374192	SLD 9	3.173	Si
1058	20.11	1.3	0	11	39752	75288	-89914	127109	240739	SLD 13	3.198	Si
1087	20.11	1.3	0	11	29094	51110	-89805	93142	163625	SLD 13	3.201	Si
1116	20.11	1.3	0	11	14890	28129	-89696	47727	90161	SLD 13	3.205	Si
1145	20.11	1.3	0	11	-16535	-10662	-89587	-53065	-34215	SLD 13	3.209	Si
1174	20.11	1.3	0	11	-29318	-30370	-89479	-94203	-97580	SLD 13	3.213	Si
1203	20.11	1.3	0	11	-38592	-53447	-89370	-124151	-171941	SLD 13	3.217	Si
1232	20.11	1.3	0	11	-50137	-77650	-89261	-161488	-250104	SLD 13	3.221	Si
1261	20.11	1.3	0	11	-32010	-121175	-89085	-101434	-383976	SLD 9	3.169	Si
1290	20.11	1.3	0	11	-37629	-150088	-88978	-114860	-458134	SLD 9	3.052	Si
1310	20.11	2.4	0	11,12	118901	151635	-68229	419268	534698	SLD 13	3.526	Si
1339	17.8	2.4	0	11,12	97747	123528	-68120	355704	449523	SLD 13	3.639	Si
1368	16.08	1.1	0	12	-100682	79917	-67865	-382957	303978	SLD 5	3.804	Si
1397	16.08	1.1	0	12	37450	67547	-67903	149887	270344	SLD 13	4.002	Si
1426	16.08	1.1	0	12	27906	40008	-67794	111867	160382	SLD 13	4.009	Si
1455	16.08	1.1	0	12	-11334	-6107	-67685	-45509	-24521	SLD 13	4.015	Si
1484	16.08	1.1	0	12	-27537	-21331	-67576	-110743	-85787	SLD 13	4.022	Si
1513	16.08	1.1	0	12	-43971	-47500	-67468	-177121	-191339	SLD 13	4.028	Si
1542	16.08	1.1	0	12	-63667	-75189	-67359	-253395	-299250	SLD 13	3.98	Si
1571	16.08	1.1	0	12	-84396	-103159	-67250	-316782	-387209	SLD 13	3.754	Si
1600	16.08	1.1	0	12	-105200	-130744	-67143	-373786	-464545	SLD 13	3.553	Si
1620	16.08	2.1	0	12,13,14	-231479	154583	-44924	-908456	606671	SLD 5	3.925	Si
1649	16.08	2.1	0	12,13,14	-175270	118064	-44816	-783069	527485	SLD 5	4.468	Si
1678	16.08	1.1	0	13,14	-119363	81560	-44707	-607923	415392	SLD 5	5.093	Si
1707	16.08	1.1	0	13,14	-64382	45102	-44598	-379729	266012	SLD 5	5.898	Si
1736	16.08	1.1	0	13,14	-9021	-7777	-44498	-55097	-47501	SLD 1	6.107	Si
1765	16.08	1.1	0	13,14	59645	-17927	-44389	365174	-109760	SLD 1	6.122	Si
1794	16.08	1.1	0	13,14	112938	-31975	-44280	643098	-182076	SLD 1	5.694	Si
1823	16.08	1.1	0	13,14	84777	-101391	-44163	435791	-521195	SLD 5	5.14	Si
1852	16.08	1.1	0	13,14	111561	-137891	-44054	519949	-642661	SLD 5	4.661	Si
1881	16.08	1.1	0	13,14	138290	-174408	-43946	585132	-737954	SLD 5	4.231	Si
1910	16.08	1.1	0	13,14	164532	-210303	-43839	631464	-807135	SLD 5	3.838	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-137	-259995	SLU 52	17927	40777	41190	1.85	297.69	1042	-180612	SLU 15	17432	57242	65483	2.5	54.93	Si
-111	5X/2Y Ø8/10	-137	-259798	SLU 52	17927	40777	41267	1.85	297.69	1042	-180460	SLU 15	17432	57242	65483	2.5	54.93	Si
-81	5X/2Y Ø8/10	-137	-259597	SLU 52	17927	40777	41346	1.85	297.69	1042	-180306	SLU 15	17432	57242	65483	2.5	54.93	Si
-52	5X/2Y Ø8/10	-137	-259397	SLU 52	17927	40777	41424	1.85	297.69	1042	-180152	SLU 15	17432	57242	65483	2.5	54.93	Si
-22	5X/2Y Ø8/14.7	-137	-259196	SLU 52	17927	35145	35746	2.35	256.58	1042	-179997	SLU 15	17432	38839	65483	2.5	37.27	Si
7	5X/2Y Ø8/14.7	-137	-258995	SLU 52	17927	35145	35813	2.35	256.58	1042	-179843	SLU 15	17432	38839	65483	2.5	37.27	Si
36	5X/2Y Ø8/14.7	-137	-258794	SLU 52	17927	35145	35881	2.35	256.58	1042	-179688	SLU 15	17432	38839	65483	2.5	37.27	Si
66	5X/2Y Ø8/14.7	-137	-258594	SLU 52	17927	35145	35949	2.35	256.58	1042	-179534	SLU 15	17432	38839	65483	2.5	37.27	Si
95	5X/2Y Ø8/14.7	-137	-258393	SLU 52	17927	35145	36016	2.35	256.58	1042	-179379	SLU 15	17432	38839	65483	2.5	37.27	Si
125	5X/2Y Ø8/14.7	-137	-258192	SLU 52	17927	35145	36084	2.35	256.58	1042	-179225	SLU 15	17432	38839	65483	2.5	37.27	Si
154	5X/2Y Ø8/14.7	-137	-257991	SLU 52	17927	35145	36151	2.35	256.58	1042	-179071	SLU 15	17432	38839	65483	2.5	37.27	Si
184	5X/2Y Ø8/14.7	-137	-257791	SLU 52	17927	35145	36219	2.35	256.58	1042	-178916	SLU 15	17432	38839	65483	2.5	37.27	Si
213	5X/2Y Ø8/14.7	-137	-257588	SLU 52	17927	35145	36287	2.35	256.58	1042	-178760	SLU 15	17432	38839	65483	2.5	37.27	Si
242	5X/2Y Ø8/10	-137	-257389	SLU 52	17927	40773	42208	1.85	297.66	1042	-178607	SLU 15	17432	57236	65483	2.5	54.93	Si
272	5X/2Y Ø8/10	-137	-257188	SLU 52	17927	40773	42287	1.85	297.66	1042	-178453	SLU 15	17432	57236	65483	2.5	54.93	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
301	5X/2Y Ø8/10	-137	-256988	SLU 52	17927	40773	42365	1.85	297.66	1042	-178299	SLU 15	17432	57236	65483	2.5	54.93	Si
331	5X/2Y Ø8/10	-137	-256787	SLU 52	17927	40773	42444	1.85	297.66	1042	-178144	SLU 15	17432	57236	65483	2.5	54.93	Si
360	5X/2Y Ø8/10	-137	-256590	SLU 52	17927	41875	41894	1.9	305.71	1042	-177992	SLU 15	17432	57236	65483	2.5	54.93	Si
380	5X/2Y Ø8/10	-809	-222011	SLU 51	17927	49588	49708	2.25	61.31	1109	-222011	SLU 51	17432	52657	54509	2.3	47.49	Si
409	5X/2Y Ø8/10	-809	-221814	SLU 51	17927	49588	49776	2.25	61.31	1109	-221814	SLU 51	17432	52657	54584	2.3	47.49	Si
438	5X/2Y Ø8/10	-809	-221616	SLU 51	17927	49588	49845	2.25	61.31	1109	-221616	SLU 51	17432	53802	53857	2.35	48.53	Si
467	5X/2Y Ø8/14.4	-809	-221418	SLU 51	17927	38145	46376	2.5	47.16	1109	-221418	SLU 51	17432	39625	51616	2.5	35.74	Si
496	5X/2Y Ø8/14.4	-809	-221220	SLU 51	17927	38145	46439	2.5	47.16	1109	-221220	SLU 51	17432	39625	51687	2.5	35.74	Si
525	5X/2Y Ø8/14.4	-809	-221022	SLU 51	17927	38145	46503	2.5	47.16	1109	-221022	SLU 51	17432	39625	51758	2.5	35.74	Si
554	5X/2Y Ø8/14.4	-809	-220824	SLU 51	17927	38145	46567	2.5	47.16	1109	-220824	SLU 51	17432	39625	51829	2.5	35.74	Si
583	5X/2Y Ø8/14.4	-809	-220626	SLU 51	17927	38145	46631	2.5	47.16	1109	-220626	SLU 51	17432	39625	51900	2.5	35.74	Si
612	5X/2Y Ø8/10	-809	-220428	SLU 51	17927	49588	50256	2.25	61.31	1109	-220428	SLU 51	17432	53802	54302	2.35	48.53	Si
641	5X/2Y Ø8/10	-809	-220230	SLU 51	17927	49588	50325	2.25	61.31	1109	-220230	SLU 51	17432	53802	54376	2.35	48.53	Si
670	5X/2Y Ø8/10	-809	-220032	SLU 51	17927	49588	50394	2.25	61.31	1109	-220032	SLU 51	17432	53802	54450	2.35	48.53	Si
690	5X/2Y Ø8/10	-781	-185624	SLU 51	15366	45180	46955	2.05	57.82	774	-171970	SLU 45	15029	48385	49932	2.5	62.49	Si
719	5X/2Y Ø8/10	-781	-185454	SLU 51	15366	46282	46317	2.1	59.23	774	-171800	SLU 45	15029	48385	49991	2.5	62.49	Si
748	5X/2Y Ø8/10	-781	-185284	SLU 51	15366	46282	46379	2.1	59.23	774	-171631	SLU 45	15029	48385	50051	2.5	62.49	Si
777	5X/2Y Ø8/14.4	-781	-185115	SLU 51	15366	38145	41255	2.5	48.82	774	-171461	SLU 45	15029	33497	50111	2.5	43.26	Si
806	5X/2Y Ø8/14.4	-781	-184945	SLU 51	15366	38145	41309	2.5	48.82	774	-171291	SLU 45	15029	33497	50171	2.5	43.26	Si
835	5X/2Y Ø8/14.4	-781	-184775	SLU 51	15366	38145	41364	2.5	48.82	774	-171122	SLU 45	15029	33497	50231	2.5	43.26	Si
864	5X/2Y Ø8/14.4	-781	-184606	SLU 51	15366	38145	41419	2.5	48.82	774	-170952	SLU 45	15029	33497	50291	2.5	43.26	Si
893	5X/2Y Ø8/14.4	-781	-184436	SLU 51	15366	38145	41473	2.5	48.82	774	-170782	SLU 45	15029	33497	50351	2.5	43.26	Si
922	5X/2Y Ø8/10	-781	-184266	SLU 51	15366	46282	46748	2.1	59.23	774	-170613	SLU 45	15029	48385	50411	2.5	62.49	Si
951	5X/2Y Ø8/10	-781	-184097	SLU 51	15366	46282	46809	2.1	59.23	774	-170443	SLU 45	15029	48385	50471	2.5	62.49	Si
980	5X/2Y Ø8/10	-781	-183930	SLU 51	15366	46282	46870	2.1	59.23	774	-170276	SLU 45	15029	48385	50530	2.5	62.49	Si
1000	4X/2Y Ø8/10	-783	-150104	SLU 51	12805	38789	39021	2.2	49.54	729	-150098	SLU 52	12600	38743	39007	2.45	53.13	Si
1029	4X/2Y Ø8/10	-783	-149963	SLU 51	12805	38789	39070	2.2	49.54	729	-149956	SLU 52	12600	38743	39057	2.45	53.13	Si
1058	4X/2Y Ø8/10	-783	-149821	SLU 51	12805	38789	39120	2.2	49.54	729	-149815	SLU 52	12600	38743	39107	2.45	53.13	Si
1087	4X/2Y Ø8/14.4	-783	-149680	SLU 51	12805	30516	35854	2.5	38.98	729	-149674	SLU 52	12600	27370	38592	2.5	37.53	Si
1116	4X/2Y Ø8/14.4	-783	-149539	SLU 51	12805	30516	35900	2.5	38.98	729	-149532	SLU 52	12600	27370	38641	2.5	37.53	Si
1145	4X/2Y Ø8/14.4	-783	-149397	SLU 51	12805	30516	35945	2.5	38.98	729	-149391	SLU 52	12600	27370	38690	2.5	37.53	Si
1174	4X/2Y Ø8/14.4	-783	-149256	SLU 51	12805	30516	35991	2.5	38.98	729	-149249	SLU 52	12600	27370	38739	2.5	37.53	Si
1203	4X/2Y Ø8/14.4	-783	-149114	SLU 51	12805	30516	36036	2.5	38.98	729	-149108	SLU 52	12600	27370	38788	2.5	37.53	Si
1232	4X/2Y Ø8/10	-783	-148973	SLU 51	12805	38789	39418	2.2	49.54	729	-148967	SLU 52	12600	38743	39405	2.45	53.13	Si
1261	4X/2Y Ø8/10	-783	-148832	SLU 51	12805	38789	39468	2.2	49.54	729	-148825	SLU 52	12600	38743	39455	2.45	53.13	Si
1290	4X/2Y Ø8/10	-783	-148693	SLU 51	12805	38789	39517	2.2	49.54	729	-148686	SLU 52	12600	38743	39504	2.45	53.13	Si
1310	4X/2Y Ø8/10	-656	-114150	SLU 49	12805	42315	43268	2.4	64.49	646	-86018	SLU 41	12600	39534	45230	2.5	61.19	Si
1339	4X/2Y Ø8/10	-656	-114009	SLU 49	12805	42315	43268	2.4	64.49	646	-85876	SLU 41	12600	39534	45230	2.5	61.19	Si
1368	4X/2Y Ø8/10	-656	-113867	SLU 49	12805	42315	43268	2.4	64.49	646	-85735	SLU 41	12600	39534	45230	2.5	61.19	Si
1397	4X/2Y Ø8/14.4	-656	-113726	SLU 49	12805	30516	42024	2.5	46.5	646	-85594	SLU 41	12600	27370	45230	2.5	42.36	Si
1426	4X/2Y Ø8/14.4	-656	-113585	SLU 49	12805	30516	42024	2.5	46.5	646	-85452	SLU 41	12600	27370	45230	2.5	42.36	Si
1455	4X/2Y Ø8/14.4	-656	-113443	SLU 49	12805	30516	42024	2.5	46.5	646	-85311	SLU 41	12600	27370	45230	2.5	42.36	Si
1484	4X/2Y Ø8/14.4	-656	-113302	SLU 49	12805	30516	42024	2.5	46.5	646	-85170	SLU 41	12600	27370	45230	2.5	42.36	Si
1513	4X/2Y Ø8/14.4	-656	-113161	SLU 49	12805	30516	42024	2.5	46.5	646	-85028	SLU 41	12600	27370	45230	2.5	42.36	Si
1542	4X/2Y Ø8/10	-656	-113019	SLU 49	12805	42315	43268	2.4	64.49	646	-84887	SLU 41	12600	39534	45230	2.5	61.19	Si
1571	4X/2Y Ø8/10	-656	-112878	SLU 49	12805	42315	43268	2.4	64.49	646	-84745	SLU 41	12600	39534	45230	2.5	61.19	Si
1600	4X/2Y Ø8/10	-656	-112739	SLU 49	12805	42315	43268	2.4	64.49	646	-84606	SLU 41	12600	39534	45230	2.5	61.19	Si
1620	4X/2Y Ø8/10	-1283	-79396	SLU 51	12805	42315	43268	2.4	32.97	1926	-79397	SLU 52	12600	39534	45230	2.5	20.52	Si
1649	4X/2Y Ø8/10	-1283	-79255	SLU 51	12805	42315	43268	2.4	32.97	1926	-79255	SLU 52	12600	39534	45230	2.5	20.52	Si
1678	4X/2Y Ø8/10	-1283	-79113	SLU 51	12805	42315	43268	2.4	32.97	1926	-79114	SLU 52	12600	39534	45230	2.5	20.52	Si
1707	4X/2Y Ø8/14.4	-1283	-78972	SLU 51	12805	30516	42024	2.5	23.78	1926	-78973	SLU 52	12600	27370	45230	2.5	14.21	Si
1736	4X/2Y Ø8/14.4	-1283	-78830	SLU 51	12805	30516	42024	2.5	23.78	1926	-78831	SLU 52	12600	27370	45230	2.5	14.21	Si
1765	4X/2Y Ø8/14.4	-1283	-78689	SLU 51	12805	30516	42024	2.5	23.78	1926	-78690	SLU 52	12600	27370	45230	2.5	14.21	Si
1794	4X/2Y Ø8/14.4	-1283	-78548	SLU 51	12805	30516	42024	2.5	23.78	1926	-78548	SLU 52	12600	27370	45230	2.5	14.21	Si
1823	4X/2Y Ø8/14.4	-1283	-78406	SLU 51	12805	30516	42024	2.5	23.78	1926	-78407	SLU 52	12600	27370	45230	2.5	14.21	Si
1852	4X/2Y Ø8/10	-1283	-78265	SLU 51	12805	42315	43268	2.4	32.97	1926	-78266	SLU 52	12600	39534	45230	2.5	20.52	Si
1881	4X/2Y Ø8/10	-1283	-78124	SLU 51	12805	42315	43268	2.4	32.97	1926	-78124	SLU 52	12600	39534	45230	2.5	20.52	Si
1910	4X/2Y Ø8/10	-1283	-77985	SLU 51	12805	42315	43268	2.4	32.97	1926	-77985	SLU 52	12600	39534	45230	2.5	20.52	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-1145	-161113	SLV 9	17927	55104	58834	2.5	48.14	-5865	-161502	SLV 13	17432	57242	65483	2.5	9.76	Si
-111	5X/2Y Ø8/10	-1145	-160962	SLV 9	17927	55104	58834	2.5	48.14	-5865	-161350	SLV 13	17432	57242	65483	2.5	9.76	Si
-81	5X/2Y Ø8/10	-1145	-160807	SLV 9	17927	55104	58834	2.5	48.14	-5865	-161196	SLV 13	17432	57242	65483	2.5	9.76	Si
-52	5X/2Y Ø8/10	-1145	-160653	SLV 9	17927	55104	58834	2.5	48.14	-5865	-161042	SLV 13	17432	57242	65483	2.5	9.76	Si
-22	5X/2Y Ø8/14.7	-1145	-160498	SLV 9	17927	37388	58834	2.5	32.67	-5865	-160887	SLV 13	17432	38839	65483	2.5	6.62	Si
7	5X/2Y Ø8/14.7	-1145	-160344	SLV 9	17927	37388	58834	2.5	32.67	-5865	-160733	SLV 13	17432	38839	65483	2.5	6.62	Si
36	5X/2Y Ø8/14.7	-1145	-160190	SLV 9	17927	37388	58834	2.5	32.67	-5865	-160578	SLV 13	17432	38839	65483	2.5	6.62	Si
66	5X/2Y Ø8/14.7	-1145	-160035	SLV 9	17927	37388	58834	2.5	32.67	-5865	-160424	SLV 13	17432	38839	65483	2.5	6.62	Si
95	5X/2Y Ø8/14.7	-1145	-159881	SLV 9	17927	37388	58834	2.5	32.67	-5865	-160270	SLV 13	17432	38839	65483	2.5	6.62	Si
125	5X/2Y Ø8/14.7	-1145	-159726	SLV 9	17927	37388	58834	2.5	32.67	-5865	-160115	SLV 13	17432	38839	65483	2.5	6.62	Si
154	5X/2Y Ø8/14.7	-1145	-159572	SLV 9	17927	37388	58834	2.5	32.67	-5865	-159961	SLV 13	17432	38839	65483	2.5	6.62	Si
184	5X/2Y Ø8/14.7	-1145	-159417	SLV 9	17927	37388	58834	2.5	32.67	-5865	-159806	SLV 13	17432	38839	65483	2.5	6.62	Si
213	5X/2Y Ø8/14.7	-1145	-159262	SLV 9	17927	37388	58834	2.5	32.67	-5865	-159650	SLV 13	17432	38839	65483	2.5	6.62	Si
242	5X/2Y Ø8/10	-1145	-159109	SLV 9	17927	55098	58834	2.5	48.14	-5865	-159498	SLV 13	17432	57236	65483	2.5	9.76	Si
272	5X/2Y Ø8/10	-1145	-158954	SLV 9	17927	55098	58834	2.5	48.14	-5865	-159343	SLV 13	17432	57236	65483	2.5	9.76	Si
301	5X/2Y Ø8/10	-1145	-158800	SLV 9	17927	55098	58834	2.5	48.14	-5865	-159189	SLV 13	17432	57236	65483	2.5	9.76	Si
331	5X/2Y Ø8/10	-1145	-158645	SLV 9	17927	55098	58834	2.5	48.14	-5865	-159034	SLV 13	17432	57236	65483	2.5	9.76	Si
360	5X/2Y Ø8/10	-1145	-158494	SLV 9	17927	55098	58834	2.5	48.14	-5865	-158883	SLV 13	17432	57236	65483	2.5	9.76	Si
380	5X/2Y Ø8/10	-2546	-136650	SLV 9	17927	55098	58834	2.5	21.64	3768	-133423	SLV 3	17432	57236	65483	2.5	15.19	Si
409	5X/2Y Ø8/10	-2546	-136498	SLV 9	17927	55098	58834	2.5	21.64	3768	-133271	SLV 3	17432	57236	65483	2.5	15.19	Si
438	5X/2Y Ø8/10	-2546	-136346	SLV 9	17927	55098	58834	2.5	21.64	3768	-133119	SLV 3	17432	57236	65483	2.5	15.19	Si
467	5X/2Y Ø8/14.4	-2546	-136194	SLV 9	17927	38145	58834	2.5	14.98	3768	-132966	SLV 3	17432	39625	65483	2.5	10.52	Si
496	5X/2Y Ø8/14.4	-2546	-136041	SLV 9	17927	38145	58834	2.5	14.98	3768	-132814	SLV 3	17432	39625	65483	2.5	10.52	Si
525	5X/2Y Ø8/14.4	-2546	-135889	SLV 9	17927	38145	58834	2.5	14.98	3768	-132662	SLV 3	17432	39625	65483	2.5	10.52	Si
554	5X/2Y Ø8/14.4	-2546	-135737	SLV 9	17927	38145	58834	2.5	14.98	3768	-132510	SLV 3	17432	39625	65483	2.5	10.52	Si
583	5X/2Y Ø8/14.4	-2546	-135585	SLV 9	17927	38145	58834	2.5	14.98	3768	-132357	SLV 3	17432	39625	65483	2.5	10.52	Si
612	5X/2Y Ø8/10	-2546	-135432	SLV 9	17927	55098	58834	2.5	21.64	3768	-132205	SLV 3	17432	57236	65483	2.5	15.19	Si
641	5X/2Y Ø8/10	-2546	-135280	SLV 9	17927	55098	58834	2.5	21.64	3768	-132053	SLV 3	17432	57236	65483	2.5	15.19	Si
670	5X/2Y Ø8/10	-2546	-135128	SLV 9	17927	55098	58834	2.5	21.64	3768	-131901	SLV 3	17432	57236	65483	2.5	15.19	Si
690	5X/2Y Ø8/10	-2231	-113380	SLV 9	15366	51792	52691	2.35	23.21	3888	-110588	SLV 3	15029	48385	55356	2.5	12.45	Si
719	5X/2Y Ø8/10	-2231	-113249	SLV 9	15366	51792	52691	2.35	23.21	3888	-110457	SLV 3	15029	48385	55356	2.5	12.45	Si
748	5X/2Y Ø8/10	-2231	-113119	SLV 9	15366	51792	52691	2.35	23.21	3888	-110327	SLV 3	15029	48385	55356	2.5	12.45	Si
777	5X/2Y Ø8/14.4	-2231	-112988	SLV 9	15366	38145	50429	2.5	17.09	3888	-110196	SLV 3	15029	33497	55356	2.5	8.62	Si
806	5X/2Y Ø8/14.4	-2231	-112858	SLV 9	15366	38145	50429	2.5	17.09	3888	-110066	SLV 3	15029	33497	55356	2.5	8.62	Si
835	5X/2Y Ø8/14.4	-2231	-112727	SLV 9	15366	38145	50429	2.5	17.09	3888	-109935	SLV 3	15029	33497	55356	2.5	8.62	Si
864	5X/2Y Ø8/14.4	-2231	-112597	SLV 9	15366	38145	50429	2.5	17.09	3888	-109805	SLV 3	15029	33497	55356	2.5	8.62	Si
893	5X/2Y Ø8/14.4	-2231	-112466	SLV 9	15366	38145	50429	2.5	17.09	3888	-109674	SLV 3	15029	33497	55356	2.5	8.62	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
922	5X/2Y Ø8/10	-2231	-112336	SLV 9	15366	51792	52691	2.35	23.21	3888	-109544	SLV 3	15029	48385	55356	2.5	12.45	Si
951	5X/2Y Ø8/10	-2231	-112205	SLV 9	15366	51792	52691	2.35	23.21	3888	-109413	SLV 3	15029	48385	55356	2.5	12.45	Si
980	5X/2Y Ø8/10	-2231	-112077	SLV 9	15366	51792	52691	2.35	23.21	3888	-109285	SLV 3	15029	48385	55356	2.5	12.45	Si
1000	4X/2Y Ø8/10	-1932	-90663	SLV 9	12805	42315	43268	2.4	21.91	2822	-88392	SLV 3	12600	39534	45230	2.5	14.01	Si
1029	4X/2Y Ø8/10	-1932	-90554	SLV 9	12805	42315	43268	2.4	21.91	2822	-88284	SLV 3	12600	39534	45230	2.5	14.01	Si
1058	4X/2Y Ø8/10	-1932	-90445	SLV 9	12805	42315	43268	2.4	21.91	2822	-88175	SLV 3	12600	39534	45230	2.5	14.01	Si
1087	4X/2Y Ø8/14.4	-1932	-90337	SLV 9	12805	30516	42024	2.5	15.8	2822	-88066	SLV 3	12600	27370	45230	2.5	9.7	Si
1116	4X/2Y Ø8/14.4	-1932	-90228	SLV 9	12805	30516	42024	2.5	15.8	2822	-87957	SLV 3	12600	27370	45230	2.5	9.7	Si
1145	4X/2Y Ø8/14.4	-1932	-90119	SLV 9	12805	30516	42024	2.5	15.8	2822	-87849	SLV 3	12600	27370	45230	2.5	9.7	Si
1174	4X/2Y Ø8/14.4	-1932	-90010	SLV 9	12805	30516	42024	2.5	15.8	2822	-87740	SLV 3	12600	27370	45230	2.5	9.7	Si
1203	4X/2Y Ø8/14.4	-1932	-89902	SLV 9	12805	30516	42024	2.5	15.8	2822	-87631	SLV 3	12600	27370	45230	2.5	9.7	Si
1232	4X/2Y Ø8/10	-1932	-89793	SLV 9	12805	42315	43268	2.4	21.91	2822	-87522	SLV 3	12600	39534	45230	2.5	14.01	Si
1261	4X/2Y Ø8/10	-1932	-89684	SLV 9	12805	42315	43268	2.4	21.91	2822	-87414	SLV 3	12600	39534	45230	2.5	14.01	Si
1290	4X/2Y Ø8/10	-1932	-89577	SLV 9	12805	42315	43268	2.4	21.91	2822	-87307	SLV 3	12600	39534	45230	2.5	14.01	Si
1310	4X/2Y Ø8/10	-2163	-68617	SLV 9	12805	42315	43268	2.4	19.57	3298	-67209	SLV 3	12600	39534	45230	2.5	11.99	Si
1339	4X/2Y Ø8/10	-2163	-68509	SLV 9	12805	42315	43268	2.4	19.57	3298	-67100	SLV 3	12600	39534	45230	2.5	11.99	Si
1368	4X/2Y Ø8/10	-2163	-68400	SLV 9	12805	42315	43268	2.4	19.57	3298	-66991	SLV 3	12600	39534	45230	2.5	11.99	Si
1397	4X/2Y Ø8/14.4	-2163	-68291	SLV 9	12805	30516	42024	2.5	14.11	3298	-66882	SLV 3	12600	27370	45230	2.5	8.3	Si
1426	4X/2Y Ø8/14.4	-2163	-68182	SLV 9	12805	30516	42024	2.5	14.11	3298	-66774	SLV 3	12600	27370	45230	2.5	8.3	Si
1455	4X/2Y Ø8/14.4	-2163	-68074	SLV 9	12805	30516	42024	2.5	14.11	3298	-66665	SLV 3	12600	27370	45230	2.5	8.3	Si
1484	4X/2Y Ø8/14.4	-2163	-67965	SLV 9	12805	30516	42024	2.5	14.11	3298	-66556	SLV 3	12600	27370	45230	2.5	8.3	Si
1513	4X/2Y Ø8/14.4	-2163	-67856	SLV 9	12805	30516	42024	2.5	14.11	3298	-66447	SLV 3	12600	27370	45230	2.5	8.3	Si
1542	4X/2Y Ø8/10	-2163	-67747	SLV 9	12805	42315	43268	2.4	19.57	3298	-66339	SLV 3	12600	39534	45230	2.5	11.99	Si
1571	4X/2Y Ø8/10	-2163	-67639	SLV 9	12805	42315	43268	2.4	19.57	3298	-66230	SLV 3	12600	39534	45230	2.5	11.99	Si
1600	4X/2Y Ø8/10	-2163	-67532	SLV 9	12805	42315	43268	2.4	19.57	3298	-66123	SLV 3	12600	39534	45230	2.5	11.99	Si
1620	4X/2Y Ø8/10	-2740	-44968	SLV 9	11904	40552	41792	2.3	14.8	4074	-45017	SLV 3	11637	39534	42424	2.5	9.7	Si
1649	4X/2Y Ø8/10	-2740	-44859	SLV 9	11890	40552	41777	2.3	14.8	4074	-44908	SLV 3	11622	39534	42409	2.5	9.7	Si
1678	4X/2Y Ø8/10	-2740	-44750	SLV 9	11877	40552	41762	2.3	14.8	4074	-44800	SLV 3	11608	39534	42394	2.5	9.7	Si
1707	4X/2Y Ø8/14.4	-2740	-44642	SLV 9	11863	30516	39369	2.5	11.14	4074	-44691	SLV 3	11593	27370	42379	2.5	6.72	Si
1736	4X/2Y Ø8/14.4	-2740	-44533	SLV 9	11850	30516	39355	2.5	11.14	4074	-44582	SLV 3	11579	27370	42364	2.5	6.72	Si
1765	4X/2Y Ø8/14.4	-2740	-44424	SLV 9	11836	30516	39341	2.5	11.14	4074	-44473	SLV 3	11564	27370	42349	2.5	6.72	Si
1794	4X/2Y Ø8/14.4	-2740	-44315	SLV 9	11823	30516	39327	2.5	11.14	4074	-44365	SLV 3	11549	27370	42334	2.5	6.72	Si
1823	4X/2Y Ø8/14.4	-2740	-44207	SLV 9	11809	30516	39313	2.5	11.14	4074	-44256	SLV 3	11535	27370	42319	2.5	6.72	Si
1852	4X/2Y Ø8/10	-2740	-44098	SLV 9	11796	40552	41673	2.3	14.8	4074	-44147	SLV 3	11520	39534	42304	2.5	9.7	Si
1881	4X/2Y Ø8/10	-2740	-43989	SLV 9	11782	40552	41658	2.3	14.8	4074	-44038	SLV 3	11506	39534	42289	2.5	9.7	Si
1910	4X/2Y Ø8/10	-2740	-43882	SLV 9	11769	40552	41644	2.3	14.8	4074	-43932	SLV 3	11491	39534	42274	2.5	9.7	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-488	-160183	SLD 9	22477	55104	58834	2.5	112.92	-2525	-160332	SLD 13	22496	57242	65483	2.5	22.67	Si
-111	5X/2Y Ø8/10	-488	-160031	SLD 9	22477	55104	58834	2.5	112.92	-2525	-160181	SLD 13	22496	57242	65483	2.5	22.67	Si
-81	5X/2Y Ø8/10	-488	-159877	SLD 9	22477	55104	58834	2.5	112.92	-2525	-160026	SLD 13	22496	57242	65483	2.5	22.67	Si
-52	5X/2Y Ø8/10	-488	-159722	SLD 9	22477	55104	58834	2.5	112.92	-2525	-159872	SLD 13	22496	57242	65483	2.5	22.67	Si
-22	5X/2Y Ø8/14.7	-488	-159568	SLD 9	22477	37388	58834	2.5	76.62	-2525	-159717	SLD 13	22496	38839	65483	2.5	15.38	Si
7	5X/2Y Ø8/14.7	-488	-159414	SLD 9	22477	37388	58834	2.5	76.62	-2525	-159563	SLD 13	22496	38839	65483	2.5	15.38	Si
36	5X/2Y Ø8/14.7	-488	-159259	SLD 9	22477	37388	58834	2.5	76.62	-2525	-159408	SLD 13	22496	38839	65483	2.5	15.38	Si
66	5X/2Y Ø8/14.7	-488	-159105	SLD 9	22477	37388	58834	2.5	76.62	-2525	-159254	SLD 13	22496	38839	65483	2.5	15.38	Si
95	5X/2Y Ø8/14.7	-488	-158950	SLD 9	22477	37388	58834	2.5	76.62	-2525	-159100	SLD 13	22496	38839	65483	2.5	15.38	Si
125	5X/2Y Ø8/14.7	-488	-158796	SLD 9	22477	37388	58834	2.5	76.62	-2525	-158945	SLD 13	22496	38839	65483	2.5	15.38	Si
154	5X/2Y Ø8/14.7	-488	-158642	SLD 9	22477	37388	58834	2.5	76.62	-2525	-158791	SLD 13	22496	38839	65483	2.5	15.38	Si
184	5X/2Y Ø8/14.7	-488	-158487	SLD 9	22477	37388	58834	2.5	76.62	-2525	-158636	SLD 13	22496	38839	65483	2.5	15.38	Si
213	5X/2Y Ø8/14.7	-488	-158331	SLD 9	22477	37388	58834	2.5	76.62	-2525	-158481	SLD 13	22496	38839	65483	2.5	15.38	Si
242	5X/2Y Ø8/10	-488	-158178	SLD 9	22477	55098	58834	2.5	112.91	-2525	-158328	SLD 13	22496	57236	65483	2.5	22.67	Si
272	5X/2Y Ø8/10	-488	-158024	SLD 9	22477	55098	58834	2.5	112.91	-2525	-158173	SLD 13	22496	57236	65483	2.5	22.67	Si
301	5X/2Y Ø8/10	-488	-157870	SLD 9	22477	55098	58834	2.5	112.91	-2525	-158019	SLD 13	22496	57236	65483	2.5	22.67	Si
331	5X/2Y Ø8/10	-488	-157715	SLD 9	22477	55098	58834	2.5	112.91	-2525	-157864	SLD 13	22496	57236	65483	2.5	22.67	Si
360	5X/2Y Ø8/10	-488	-157563	SLD 9	22477	55098	58834	2.5	112.91	-2525	-157713	SLD 13	22496	57236	65483	2.5	22.67	Si
380	5X/2Y Ø8/10	-1267	-135809	SLD 9	22477	55098	58834	2.5	43.48	1902	-134489	SLD 3	22496	57236	65483	2.5	30.1	Si
409	5X/2Y Ø8/10	-1267	-135657	SLD 9	22477	55098	58834	2.5	43.48	1902	-134337	SLD 3	22496	57236	65483	2.5	30.1	Si
438	5X/2Y Ø8/10	-1267	-135504	SLD 9	22477	55098	58834	2.5	43.48	1902	-134184	SLD 3	22496	57236	65483	2.5	30.1	Si
467	5X/2Y Ø8/14.4	-1267	-135352	SLD 9	22477	38145	58834	2.5	30.1	1902	-134032	SLD 3	22496	39625	65483	2.5	20.84	Si
496	5X/2Y Ø8/14.4	-1267	-135200	SLD 9	22477	38145	58834	2.5	30.1	1902	-133880	SLD 3	22496	39625	65483	2.5	20.84	Si
525	5X/2Y Ø8/14.4	-1267	-135048	SLD 9	22477	38145	58834	2.5	30.1	1902	-133728	SLD 3	22496	39625	65483	2.5	20.84	Si
554	5X/2Y Ø8/14.4	-1267	-134895	SLD 9	22477	38145	58834	2.5	30.1	1902	-133575	SLD 3	22496	39625	65483	2.5	20.84	Si
583	5X/2Y Ø8/14.4	-1267	-134743	SLD 9	22477	38145	58834	2.5	30.1	1902	-133423	SLD 3	22496	39625	65483	2.5	20.84	Si
612	5X/2Y Ø8/10	-1267	-134591	SLD 9	22477	55098	58834	2.5	43.48	1902	-133271	SLD 3	22496	57236	65483	2.5	30.1	Si
641	5X/2Y Ø8/10	-1267	-134439	SLD 9	22477	55098	58834	2.5	43.48	1902	-133119	SLD 3	22496	57236	65483	2.5	30.1	Si
670	5X/2Y Ø8/10	-1267	-134286	SLD 9	22477	55098	58834	2.5	43.48	1902	-132966	SLD 3	22496	57236	65483	2.5	30.1	Si
690	5X/2Y Ø8/10	-1134	-112651	SLD 9	19266	55098	50429	2.5	44.45	1780	-111495	SLD 3	19310	48385	55356	2.5	27.18	Si
719	5X/2Y Ø8/10	-1134	-112520	SLD 9	19266	55098	50429	2.5	44.45	1780	-111365	SLD 3	19310	48385	55356	2.5	27.18	Si
748	5X/2Y Ø8/10	-1134	-112390	SLD 9	19266	55098	50429	2.5	44.45	1780	-111234	SLD 3	19310	48385	55356	2.5	27.18	Si
777	5X/2Y Ø8/14.4	-1134	-112259	SLD 9	19266	38145	50429	2.5	33.62	1780	-111104	SLD 3	19310	33497	55356	2.5	18.82	Si
806	5X/2Y Ø8/14.4	-1134	-112129	SLD 9	19266	38145	50429	2.5	33.62	1780	-110973	SLD 3	19310	33497	55356	2.5	18.82	Si
835	5X/2Y Ø8/14.4	-1134	-111998	SLD 9	19266	38145	50429	2.5	33.62	1780	-110843	SLD 3	19310	33497	55356	2.5	18.82	Si
864	5X/2Y Ø8/14.4	-1134	-111868	SLD 9	19266	38145	50429	2.5	33.62	1780	-110712	SLD 3	19310	33497	55356	2.5	18.82	Si
893	5X/2Y Ø8/14.4	-1134	-111737	SLD 9	19266	38145	50429	2.5	33.62	1780	-110582	SLD 3	19310	33497	55356	2.5	18.82	Si
922	5X/2Y Ø8/10	-1134	-111607	SLD 9	19266	55098	50429	2.5	44.45	1780	-110451	SLD 3	19310	48385	55356	2.5	27.18	Si
951	5X/2Y Ø8/10	-1134	-111476	SLD 9	19266	55098	50429	2.5	44.45	1780	-110321	SLD 3	19310	48385	55356	2.5	27.18	Si
980	5X/2Y Ø8/10	-1134	-111348	SLD 9	19266	55098	50429	2.5	44.45	1780	-110193	SLD 3	19310	48385	55356	2.5	27.18	Si
1000	4X/2Y Ø8/10	-1022	-90064	SLD 9	16055	44078	42024	2.5	41.14	1392	-89108	SLD 3	16098	39534	45230	2.5	28.39	Si
1029	4X/2Y Ø8/10	-1022	-89955	SLD 9	16055	44078	42024	2.5	41.14	1392	-88999	SLD 3	16098	39534	45230	2.5	28.39	Si
1058	4X/2Y Ø8/10	-1022	-89846	SLD 9	16055	44078	42024	2.5	41.14	1392	-88891	SLD 3	16098	39534	45230	2.5	28.39	Si
1087	4X/2Y Ø8/14.4	-1022	-89738	SLD 9	16055	30516	42024	2.5	29.87	1392	-88782	SLD 3	16098	27370	45230	2.5	19.66	Si
1116	4X/2Y Ø8/14.4	-1022	-89629	SLD 9	16055	30516	42024	2.5	29.87	1392	-88673	SLD 3	16098	27370	45230	2.5	19.66	Si
1145	4X/2Y Ø8/14.4	-1022	-89520	SLD 9	16055	30516	42024	2.5	29.87	1392	-88564	SLD 3	16098	27370	45230	2.5	19.66	Si
1174	4X/2Y Ø8/14.4	-1022	-89411	SLD 9	16055	30516	42024	2.5	29.87	1392	-88456	SLD 3	16098	27370	45230	2.5	19.66	Si
1203	4X/2Y Ø8/14.4	-1022	-89303	SLD 9	16055	30516	42024	2.5	29.87	1392	-88347	SLD 3	16098	27370	45230	2.5	19.66	Si
1232	4X/2Y Ø8/10	-1022	-89194	SLD 9	16055	44078	42024	2.5	41.14	1392	-88238	SLD 3	16098	39534	45230	2.5	28.39	Si
1261	4X/2Y Ø8/10	-1022	-89085	SLD 9	16055	44078	42024	2.5	41.14	1392	-88129	SLD 3	16098	39534	45230	2.5	28.39	Si
1290	4X/2Y Ø8/10	-1022	-88978	SLD 9	16055	44078	42024	2.5	41.14	1392	-88023	SLD 3	16098	39534	45230	2.5	28.39	Si
1310	4X/2Y Ø8/10	-1100	-68227	SLD 9	14800	44078	42024	2.5	38.22	1548	-67603	SLD 3	14663	39534	45230	2.5	25.54	Si
1339	4X/2Y Ø8/10	-1100	-68118	SLD 9	14786	44078	42024	2.5	38.22	1548	-67494	SLD 3	14649	39534	45230	2.5	25.54	Si
1368	4X/2Y Ø8/10	-1100	-68009	SLD 9	14773	44078	42024	2.5	38.22	1548	-67385	SLD 3	14634	39534	45230	2.5	25.54	Si
1397	4X/2Y Ø8/14.4	-1100	-67901	SLD 9	14759	30516	42024	2.5	27.75	1548	-67277	SLD 3	14620	27370	45230	2.5	17.68	Si
1426	4X/2Y Ø8/14.4	-1100	-67792	SLD 9	14745	30516	42024	2.5	27.75	1548	-67168	SLD 3	14605	27370	45230	2.5	17.68	Si
1455	4X/2Y Ø8/14.4	-1100	-67683	SLD 9	14732	30516	42024	2.5	27.75	1548	-67059	SLD 3	14590	27370	45230	2.5	17.68	Si
1484	4X/2Y Ø8/14.4	-1100	-67574	SLD 9	14718	30516	42024	2.5	27.75	1548	-66950	SLD 3	14576	27370	45230	2.5	17.68	Si
1513	4X/2Y Ø8/14.4	-1100	-67466	SLD 9	14705	30516	42024	2.5	27.75	1548	-66842	SLD 3	14561	27370	45230	2.5	17.68	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1542	4X/2Y Ø8/10	-1100	-67357	SLD 9	14691	44078	42024	2.5	38.22	1548	-66733	SLD 3	14547	39534	45230	2.5	25.54	Si
1571	4X/2Y Ø8/10	-1100	-67248	SLD 9	14678	44078	42024	2.5	38.22	1548	-66624	SLD 3	14532	39534	45230	2.5	25.54	Si
1600	4X/2Y Ø8/10	-1100	-67141	SLD 9	14664	44078	42024	2.5	38.22	1548	-66517	SLD 3	14518	39534	45230	2.5	25.54	Si
1620	4X/2Y Ø8/10	-1546	-44796	SLD 9	11882	44078	39389	2.5	25.47	2299	-44812	SLD 3	11609	39534	42396	2.5	17.19	Si
1649	4X/2Y Ø8/10	-1546	-44687	SLD 9	11869	44078	39375	2.5	25.47	2299	-44703	SLD 3	11595	39534	42381	2.5	17.19	Si
1678	4X/2Y Ø8/10	-1546	-44579	SLD 9	11855	44078	39361	2.5	25.46	2299	-44594	SLD 3	11580	39534	42366	2.5	17.19	Si
1707	4X/2Y Ø8/14.4	-1546	-44470	SLD 9	11842	30516	39347	2.5	19.74	2299	-44486	SLD 3	11566	27370	42351	2.5	11.9	Si
1736	4X/2Y Ø8/14.4	-1546	-44361	SLD 9	11828	30516	39333	2.5	19.74	2299	-44377	SLD 3	11551	27370	42335	2.5	11.9	Si
1765	4X/2Y Ø8/14.4	-1546	-44252	SLD 9	11815	30516	39319	2.5	19.74	2299	-44268	SLD 3	11536	27370	42320	2.5	11.9	Si
1794	4X/2Y Ø8/14.4	-1546	-44144	SLD 9	11801	30516	39305	2.5	19.74	2299	-44159	SLD 3	11522	27370	42305	2.5	11.9	Si
1823	4X/2Y Ø8/14.4	-1546	-44035	SLD 9	11788	30516	39291	2.5	19.74	2299	-44051	SLD 3	11507	27370	42290	2.5	11.9	Si
1852	4X/2Y Ø8/10	-1546	-43926	SLD 9	11774	44078	39277	2.5	25.4	2299	-43942	SLD 3	11493	39534	42275	2.5	17.19	Si
1881	4X/2Y Ø8/10	-1546	-43817	SLD 9	11761	44078	39263	2.5	25.39	2299	-43833	SLD 3	11478	39534	42260	2.5	17.19	Si
1910	4X/2Y Ø8/10	-1546	-43710	SLD 9	11747	44078	39249	2.5	25.38	2299	-43726	SLD 3	11464	39534	42245	2.5	17.19	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	162234	17957	-184851	SLE RA 12	-82.1	162234	17957	-184851	SLE RA 12	-1211.3	Si
-111	148549	15384	-184699	SLE RA 12	-81.4	148549	15384	-184699	SLE RA 12	-1202.4	Si
-81	134627	12767	-184545	SLE RA 12	-80.6	134627	12767	-184545	SLE RA 12	-1193.4	Si
-52	120704	10150	-184390	SLE RA 12	-79.9	120704	10150	-184390	SLE RA 12	-1184.3	Si
-22	106782	7533	-184236	SLE RA 12	-79.1	106782	7533	-184236	SLE RA 12	-1175.3	Si
7	92860	4916	-184082	SLE RA 12	-78.4	92860	4916	-184082	SLE RA 12	-1166.2	Si
36	78938	2299	-183927	SLE RA 12	-77.6	78938	2299	-183927	SLE RA 12	-1157.2	Si
66	65016	-318	-183773	SLE RA 12	-76.9	65016	-318	-183773	SLE RA 12	-1148.6	Si
95	51094	-2935	-183618	SLE RA 12	-76.6	51094	-2935	-183618	SLE RA 12	-1143.5	Si
125	37171	-5552	-183464	SLE RA 12	-76.2	37171	-5552	-183464	SLE RA 12	-1138.4	Si
154	29104	-9979	-183269	SLE RA 13	-76.2	29104	-9979	-183269	SLE RA 13	-1137	Si
184	30377	-12803	-183115	SLE RA 13	-76.4	30377	-12803	-183115	SLE RA 13	-1138.7	Si
213	31662	-15655	-182959	SLE RA 13	-76.6	31662	-15655	-182959	SLE RA 13	-1140.5	Si
242	32923	-18452	-182806	SLE RA 13	-76.8	32923	-18452	-182806	SLE RA 13	-1142.2	Si
272	34196	-21276	-182651	SLE RA 13	-77	34196	-21276	-182651	SLE RA 13	-1144	Si
301	-46362	-21255	-182538	SLE RA 12	-77.4	-46362	-21255	-182538	SLE RA 12	-1148.6	Si
331	-60284	-23872	-182383	SLE RA 12	-78	-60284	-23872	-182383	SLE RA 12	-1155.8	Si
360	-73969	-26444	-182231	SLE RA 12	-78.6	-73969	-26444	-182231	SLE RA 12	-1162.8	Si
380	-166343	89256	-157669	SLE RA 12	-76.8	-166343	89256	-157669	SLE RA 12	-1101.3	Si
409	-143754	72571	-157517	SLE RA 12	-74.6	-143754	72571	-157517	SLE RA 12	-1077.8	Si
438	-121165	55886	-157364	SLE RA 12	-72.5	-121165	55886	-157364	SLE RA 12	-1054.3	Si
467	-98576	39202	-157212	SLE RA 12	-70.3	-98576	39202	-157212	SLE RA 12	-1030.9	Si
496	-75988	22517	-157060	SLE RA 12	-68.2	-75988	22517	-157060	SLE RA 12	-1007.4	Si
525	-53399	5832	-156908	SLE RA 12	-66	-53399	5832	-156908	SLE RA 12	-984	Si
554	-30810	-10852	-156755	SLE RA 12	-65.6	-30810	-10852	-156755	SLE RA 12	-976.8	Si
583	-8221	-27537	-156603	SLE RA 12	-66	-8221	-27537	-156603	SLE RA 12	-978.5	Si
612	14368	-44222	-156451	SLE RA 12	-67.5	25095	-38071	-156448	SLE RA 13	-993	Si
641	36956	-60906	-156299	SLE RA 12	-69.4	36956	-60906	-156299	SLE RA 12	-1012.8	Si
670	59545	-77591	-156146	SLE RA 12	-68.4	59545	-77591	-156146	SLE RA 12	-992	Si
690	-75337	78239	-131764	SLE RA 13	-71.4	-75337	78239	-131764	SLE RA 13	-1024.2	Si
719	-61010	63168	-131633	SLE RA 13	-70.4	-61010	63168	-131633	SLE RA 13	-1018.5	Si
748	-46683	48097	-131503	SLE RA 13	-69.2	-46683	48097	-131503	SLE RA 13	-1008.4	Si
777	-32357	33026	-131372	SLE RA 13	-67.1	-32357	33026	-131372	SLE RA 13	-985.8	Si
806	-18030	17955	-131242	SLE RA 13	-64.9	-18030	17955	-131242	SLE RA 13	-963.1	Si
835	-3704	2884	-131111	SLE RA 13	-62.8	-3704	2884	-131111	SLE RA 13	-940.5	Si
864	13109	-14324	-130986	SLE RA 12	-64.3	13109	-14324	-130986	SLE RA 12	-955.2	Si
893	25788	-30386	-130856	SLE RA 12	-66.3	25788	-30386	-130856	SLE RA 12	-975.9	Si
922	38468	-46449	-130725	SLE RA 12	-68.3	38468	-46449	-130725	SLE RA 12	-996.6	Si
951	51147	-62512	-130595	SLE RA 12	-70.1	51147	-62512	-130595	SLE RA 12	-1015.3	Si
980	63608	-78298	-130467	SLE RA 12	-68.5	63608	-78298	-130467	SLE RA 12	-986.1	Si
1000	-71825	79326	-106513	SLE RA 12	-72.4	-71825	79326	-106513	SLE RA 12	-1025	Si
1029	-57253	63229	-106404	SLE RA 12	-69.6	-57253	63229	-106404	SLE RA 12	-996.1	Si
1058	-42681	47133	-106296	SLE RA 12	-66.9	-42681	47133	-106296	SLE RA 12	-967.1	Si
1087	-28109	31037	-106187	SLE RA 12	-64.1	-28109	31037	-106187	SLE RA 12	-938.2	Si
1116	-13538	14940	-106078	SLE RA 12	-61.4	-13954	14654	-106074	SLE RA 13	-909.2	Si
1145	1034	-1156	-105969	SLE RA 12	-59	1034	-1156	-105969	SLE RA 12	-884.3	Si
1174	15606	-17253	-105861	SLE RA 12	-61.6	15606	-17253	-105861	SLE RA 12	-911.4	Si
1203	30178	-33349	-105752	SLE RA 12	-64.3	30178	-33349	-105752	SLE RA 12	-938.6	Si
1232	44750	-49445	-105643	SLE RA 12	-66.9	44750	-49445	-105643	SLE RA 12	-965.7	Si
1261	59322	-65542	-105534	SLE RA 12	-69.5	59322	-65542	-105534	SLE RA 12	-992.9	Si
1290	73643	-81361	-105428	SLE RA 12	-72.1	73643	-81361	-105428	SLE RA 12	-1019.5	Si
1310	-47494	72046	-82310	SLE RA 12	-56.5	-47494	72046	-82310	SLE RA 12	-796.8	Si
1339	-36333	58580	-82202	SLE RA 12	-55.3	-40507	55526	-82197	SLE RA 13	-788.5	Si
1368	-25172	45114	-82093	SLE RA 12	-53.9	-28565	42832	-82088	SLE RA 13	-776	Si
1397	-16623	30139	-81980	SLE RA 13	-51.6	-16623	30139	-81980	SLE RA 13	-751.9	Si
1426	-4681	17446	-81871	SLE RA 13	-49.3	-4681	17446	-81871	SLE RA 13	-727.7	Si
1455	8310	4717	-81767	SLE RA 12	-48	8310	4717	-81767	SLE RA 12	-716.1	Si
1484	19471	-8749	-81658	SLE RA 12	-49.2	19471	-8749	-81658	SLE RA 12	-728.5	Si
1513	30632	-22215	-81549	SLE RA 12	-51.4	30632	-22215	-81549	SLE RA 12	-751	Si
1542	41793	-35680	-81440	SLE RA 12	-53.6	41793	-35680	-81440	SLE RA 12	-773.5	Si
1571	52954	-49146	-81332	SLE RA 12	-55.8	52954	-49146	-81332	SLE RA 12	-796	Si
1600	63922	-62380	-81225	SLE RA 12	-57.9	63922	-62380	-81225	SLE RA 12	-818.1	Si
1620	-144845	103323	-56273	SLE RA 12	-53.7	-148828	100461	-56273	SLE RA 13	-712.5	Si
1649	-106464	77026	-56164	SLE RA 12	-48.1	-109525	74830	-56164	SLE RA 13	-652.4	Si
1678	-68083	50730	-56055	SLE RA 12	-42.5	-70222	49199	-56056	SLE RA 13	-592.3	Si
1707	-29702	24434	-55946	SLE RA 12	-36.9	-30918	23568	-55947	SLE RA 13	-532.1	Si
1736	8385	-2063	-55838	SLE RA 13	-32.9	8679	-1862	-55838	SLE RA 12	-490	Si
1765	47060	-28159	-55729	SLE RA 12	-38.3	47688	-27694	-55729	SLE RA 13	-548.2	Si
1794	85441	-54455	-55620	SLE RA 12	-43.8	86992	-53325	-55621	SLE RA 13	-606.5	Si
1823	123822	-80751	-55511	SLE RA 12	-49.3	126295	-78956	-55512	SLE RA 13	-664.7	Si
1852	162203	-107047	-55403	SLE RA 12	-54.8	165598	-104587	-55403	SLE RA 13	-723	Si
1881	200584	-133344	-55294	SLE RA 12	-60.2	204901	-130218	-55294	SLE RA 13	-781.2	Si
1910	238303	-159187	-55187	SLE RA 12	-65.6	243527	-155407	-55188	SLE RA 13	-838.4	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	118340	8757	-159541	SLE QP 2	-69.6	Si
-111	108220	7223	-159390	SLE QP 2	-69.1	Si
-81	97925	5662	-159235	SLE QP 2	-68.5	Si
-52	87631	4102	-159081	SLE QP 2	-68	Si
-22	77336	2541	-158926	SLE QP 2	-67.4	Si
7	67041	981	-158772	SLE QP 2	-66.9	Si
36	56746	-580	-158618	SLE QP 2	-66.4	Si
66	46452	-2140	-158463	SLE QP 2	-66.1	Si
95	36157	-3701	-158309	SLE QP 2	-65.8	Si
125	25862	-5261	-158154	SLE QP 2	-65.5	Si
154	15567	-6822	-158000	SLE QP 2	-65.2	Si
184	5273	-8382	-157845	SLE QP 2	-65	Si
213	-5122	-9958	-157690	SLE QP 2	-65	Si
242	-15317	-11503	-157537	SLE QP 2	-65.4	Si
272	-25612	-13064	-157382	SLE QP 2	-65.8	Si
301	-35906	-14624	-157228	SLE QP 2	-66.2	Si
331	-46201	-16185	-157073	SLE QP 2	-66.7	Si
360	-56321	-17719	-156922	SLE QP 2	-67.1	Si
380	-147238	69105	-135217	SLE QP 2	-65.4	Si
409	-126793	56246	-135065	SLE QP 2	-63.6	Si
438	-106348	43386	-134912	SLE QP 2	-61.9	Si
467	-85903	30527	-134760	SLE QP 2	-60.1	Si
496	-65458	17667	-134608	SLE QP 2	-58.3	Si
525	-45013	4808	-134456	SLE QP 2	-56.6	Si
554	-24568	-8051	-134303	SLE QP 2	-56	Si
583	-4122	-20911	-134151	SLE QP 2	-56.3	Si
612	16323	-33770	-133999	SLE QP 2	-57.6	Si
641	36768	-46629	-133847	SLE QP 2	-59.2	Si
670	57213	-59489	-133694	SLE QP 2	-58.2	Si
690	-61366	64039	-112126	SLE QP 2	-60.4	Si
719	-49036	51504	-111996	SLE QP 2	-59.6	Si
748	-36705	38969	-111865	SLE QP 2	-58.5	Si
777	-24375	26433	-111735	SLE QP 2	-56.7	Si
806	-12045	13898	-111604	SLE QP 2	-54.9	Si
835	286	1363	-111474	SLE QP 2	-53.2	Si
864	12616	-11172	-111343	SLE QP 2	-54.6	Si
893	24947	-23707	-111213	SLE QP 2	-56.3	Si
922	37277	-36243	-111082	SLE QP 2	-57.9	Si
951	49608	-48778	-110952	SLE QP 2	-59.5	Si
980	61726	-61097	-110823	SLE QP 2	-58.1	Si
1000	-65948	62051	-89620	SLE QP 2	-60.8	Si
1029	-52444	49467	-89511	SLE QP 2	-58.5	Si
1058	-38940	36883	-89402	SLE QP 2	-56.2	Si
1087	-25437	24299	-89293	SLE QP 2	-53.8	Si
1116	-11933	11716	-89185	SLE QP 2	-51.5	Si
1145	1571	-868	-89076	SLE QP 2	-49.6	Si
1174	15075	-13452	-88967	SLE QP 2	-51.8	Si
1203	28579	-26036	-88858	SLE QP 2	-54	Si
1232	42082	-38620	-88750	SLE QP 2	-56.2	Si
1261	55586	-51204	-88641	SLE QP 2	-58.4	Si
1290	68857	-63571	-88534	SLE QP 2	-60.5	Si
1310	-50145	55764	-67916	SLE QP 2	-47	Si
1339	-38636	45334	-67807	SLE QP 2	-45.9	Si
1368	-27127	34904	-67698	SLE QP 2	-44.6	Si
1397	-15618	24475	-67590	SLE QP 2	-42.6	Si
1426	-4109	14045	-67481	SLE QP 2	-40.6	Si
1455	7400	3615	-67372	SLE QP 2	-39.6	Si
1484	18909	-6814	-67263	SLE QP 2	-40.7	Si
1513	30418	-17244	-67155	SLE QP 2	-42.6	Si
1542	41927	-27674	-67046	SLE QP 2	-44.4	Si
1571	53436	-38103	-66937	SLE QP 2	-46.3	Si
1600	64747	-48353	-66830	SLE QP 2	-48.2	Si
1620	-127104	80445	-44659	SLE QP 2	-43.3	Si
1649	-94314	59989	-44550	SLE QP 2	-38.7	Si
1678	-61524	39532	-44441	SLE QP 2	-34.1	Si
1707	-28735	19076	-44332	SLE QP 2	-29.5	Si
1736	4055	-1381	-44224	SLE QP 2	-25.8	Si
1765	36845	-21838	-44115	SLE QP 2	-30.3	Si
1794	69635	-42294	-44006	SLE QP 2	-34.7	Si
1823	102425	-62751	-43897	SLE QP 2	-39.2	Si
1852	135215	-83207	-43789	SLE QP 2	-43.6	Si
1881	168004	-103664	-43680	SLE QP 2	-48.1	Si
1910	200229	-123768	-43573	SLE QP 2	-52.4	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

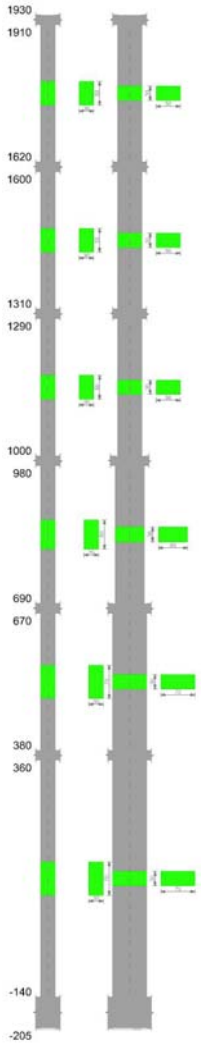
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.

Pilastro 56

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x70	No	No	No	No		C30/37	B450C	
380	670	R 30x70	No	No	No	No		C30/37	B450C	
690	980	R 30x60_1	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	
1620	1910	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.67	-29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.67	29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.67	29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	-18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	-6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	-18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	-6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.2	-9.67	-29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.67	-29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.67	29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.67	29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	-18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	-6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	-18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	-6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	18.42	1.6	2.011	-140	380	R 30x70	B450C
p.3	-9.67	-29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	9.67	-29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	9.67	29.67	1.6	2.011	380	690	R 30x70	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.3	-9.67	29.67	1.6	2.011	380	690	R 30x70	B450C
p.5	-9.9	-18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	-9.9	18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	9.9	-18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	9.9	18.42	1.6	2.011	380	690	R 30x70	B450C
p.6	-9.9	-6.14	1.6	2.011	380	690	R 30x70	B450C
p.6	-9.9	6.14	1.6	2.011	380	690	R 30x70	B450C
p.6	9.9	-6.14	1.6	2.011	380	690	R 30x70	B450C
p.6	9.9	6.14	1.6	2.011	380	690	R 30x70	B450C
p.7	-9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	-9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.9	-9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.9	-9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.9	9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.9	9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.10	-9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.10	9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.11	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.9	-10.35	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.9	0	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.9	10.35	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.9	-10.35	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.9	0	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.9	10.35	1.6	2.011	1000	1310	R 30x50	B450C
p.12	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.12	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.12	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.12	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.13	-9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.13	9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.13	9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.13	-9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.14	-9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.14	-9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.14	9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.14	9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	2.3	0	1,2	656038	-656038	-241857	967634	-967634	SLU 51	1.475	Si
-111	24.13	2.3	0	1,2	655502	-655502	-241660	967634	-967634	SLU 51	1.476	Si
-81	24.13	1.1	0	2	654958	-654958	-241459	967634	-967634	SLU 51	1.477	Si
-52	24.13	1.1	0	2	654413	-654413	-241258	967634	-967634	SLU 51	1.479	Si
-22	24.13	1.1	0	2	653869	-653869	-241058	967634	-967634	SLU 51	1.48	Si
7	24.13	1.1	0	2	653325	-653325	-240857	967634	-967634	SLU 51	1.481	Si
36	24.13	1.1	0	2	652780	-652780	-240656	967634	-967634	SLU 51	1.482	Si
66	24.13	1.1	0	2	652236	-652236	-240455	967634	-967634	SLU 51	1.484	Si
95	24.13	1.1	0	2	651691	-651691	-240255	967634	-967634	SLU 51	1.485	Si
125	24.13	1.1	0	2	651147	-651147	-240054	967634	-967634	SLU 51	1.486	Si
154	24.13	1.1	0	2	650602	650602	-239853	967634	967634	SLU 51	1.487	Si
184	24.13	1.1	0	2	650058	650058	-239653	967634	967634	SLU 51	1.489	Si
213	24.13	1.1	0	2	649508	649508	-239450	967634	967634	SLU 51	1.49	Si
242	24.13	1.1	0	2	-648969	648969	-239251	-967634	967634	SLU 51	1.491	Si
272	24.13	1.1	0	2	-648424	648424	-239050	-967634	967634	SLU 51	1.492	Si
301	24.13	1.1	0	2	-647880	647880	-238850	-967634	967634	SLU 51	1.494	Si
331	24.13	1.1	0	2	-647335	647335	-238649	-967634	967634	SLU 51	1.495	Si
360	24.13	1.1	0	2	-646800	646800	-238452	-967634	967634	SLU 51	1.496	Si
380	24.13	2.3	0	2,3,5,6	393450	-393450	-196725	763108	-763108	SLU 51	1.94	Si
409	24.13	2.3	0	2,3,5,6	393054	-393054	-196527	763108	-763108	SLU 51	1.941	Si
438	24.13	1.1	0	3,5,6	392658	-392658	-196329	763108	-763108	SLU 51	1.943	Si
467	24.13	1.1	0	3,5,6	392262	-392262	-196131	763108	-763108	SLU 51	1.945	Si
496	24.13	1.1	0	3,5,6	391866	391866	-195933	763108	763108	SLU 51	1.947	Si
525	24.13	1.1	0	3,5,6	391470	391470	-195735	763108	763108	SLU 51	1.949	Si
554	24.13	1.1	0	3,5,6	-391075	391075	-195537	-763108	763108	SLU 51	1.951	Si
583	24.13	1.1	0	3,5,6	-390679	390679	-195339	-763108	763108	SLU 51	1.953	Si
612	24.13	1.1	0	3,5,6	-390283	390283	-195141	-763108	763108	SLU 51	1.955	Si
641	24.39	1.5	0	3,4,5,6	-389887	389887	-194943	-764835	764835	SLU 51	1.962	Si
670	31.44	1.9	0	3,4,5,6	-389491	389491	-194746	-811233	811233	SLU 51	2.083	Si
690	24.13	2.5	0	4,5,6,7,9,10	309984	-309984	-154992	673235	-673235	SLU 51	2.172	Si
719	21.83	2.5	0	4,5,6,7,9,10	309651	-309651	-154825	658510	-658510	SLU 51	2.127	Si
748	20.11	1.1	0	7,9,10	309311	-309311	-154656	647491	-647491	SLU 51	2.093	Si
777	20.11	1.1	0	7,9,10	308972	-308972	-154486	647491	-647491	SLU 51	2.096	Si
806	20.11	1.1	0	7,9,10	308633	308633	-154316	647491	647491	SLU 51	2.098	Si
835	20.11	1.1	0	7,9,10	308293	308293	-154147	647491	647491	SLU 51	2.1	Si
864	20.11	1.1	0	7,9,10	-307954	307954	-153977	-647491	647491	SLU 51	2.103	Si
893	20.11	1.1	0	7,9,10	-307615	307615	-153807	-647491	647491	SLU 51	2.105	Si
922	20.11	1.1	0	7,9,10	-307275	307275	-153638	-647491	647491	SLU 51	2.107	Si
951	20.37	1.6	0	7,8,9,10	-306936	306936	-153468	-649217	649217	SLU 51	2.115	Si
980	27.42	2	0	7,8,9,10	-306597	306597	-153298	-695580	695580	SLU 51	2.269	Si
1000	20.11	2.7	0	8,9,10,11	223781	-223781	-111891	556148	-556148	SLU 51	2.485	Si
1029	20.11	2.7	0	8,9,10,11	223503	-223503	-111752	556148	-556148	SLU 51	2.488	Si
1058	20.11	1.3	0	11	223220	-223220	-111610	556148	-556148	SLU 51	2.491	Si
1087	20.11	1.3	0	11	222938	-222938	-111469	556148	-556148	SLU 51	2.495	Si
1116	20.11	1.3	0	11	222655	-222655	-111327	556148	-556148	SLU 51	2.498	Si
1145	20.11	1.3	0	11	222372	-222372	-111186	556148	-556148	SLU 51	2.501	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1174	20.11	1.3	0	11	-222089	-222089	-111045	-556148	-556148	SLU 51	2.504	Si
1203	20.11	1.3	0	11	-221807	221807	-110903	-556148	556148	SLU 51	2.507	Si
1232	20.11	1.3	0	11	-221524	221524	-110762	-556148	556148	SLU 51	2.511	Si
1261	20.11	1.3	0	11	-221241	221241	-110621	-556148	556148	SLU 51	2.514	Si
1290	20.11	1.3	0	11	-220963	220963	-110482	-556148	556148	SLU 51	2.517	Si
1310	20.11	2.4	0	11,12	152111	127963	-63981	653309	549595	SLU 51	4.295	Si
1339	17.8	2.4	0	11,12	127680	127680	-63840	541580	541580	SLU 51	4.242	Si
1368	16.08	1.1	0	12	127397	127397	-63699	530708	530708	SLU 51	4.166	Si
1397	16.08	1.1	0	12	127115	-127115	-63557	530708	-530708	SLU 51	4.175	Si
1426	16.08	1.1	0	12	-126832	-126832	-63416	-530708	-530708	SLU 51	4.184	Si
1455	16.08	1.1	0	12	-126549	-126549	-63275	-530708	-530708	SLU 51	4.194	Si
1484	16.08	1.1	0	12	-127867	-126266	-63133	-537047	-530322	SLU 51	4.2	Si
1513	16.08	1.1	0	12	-174530	-125984	-62992	-717073	-517614	SLU 51	4.109	Si
1542	16.08	1.1	0	12	-221193	-125701	-62850	-883810	-502256	SLU 51	3.996	Si
1571	16.08	1.1	0	12	-267856	-125418	-62709	-1037244	-485667	SLU 51	3.872	Si
1600	16.08	1.1	0	12	-313715	-125140	-62570	-1175509	-468908	SLU 51	3.747	Si
1620	16.08	2.1	0	12,13,14	267496	-180114	-26690	1347002	-906982	SLU 49	5.036	Si
1649	16.08	2.1	0	12,13,14	227674	-107675	-26542	1479722	-699812	SLU 50	6.499	Si
1678	16.08	1.1	0	13,14	195970	-53102	-26551	1538910	-416997	SLU 52	7.853	Si
1707	16.08	1.1	0	13,14	152772	52819	-26410	1306715	451781	SLU 52	8.553	Si
1736	16.08	1.1	0	13,14	109574	116347	-26268	850932	903535	SLU 52	7.766	Si
1765	16.08	1.1	0	13,14	66375	186005	-26127	438567	1229004	SLU 52	6.607	Si
1794	16.08	1.1	0	13,14	51984	256629	-25992	281985	1392064	SLU 51	5.424	Si
1823	16.08	1.1	0	13,14	-51702	326698	-25851	-232940	1471929	SLU 51	4.505	Si
1852	16.08	1.1	0	13,14	-67348	396767	-25709	-247184	1456241	SLU 51	3.67	Si
1881	16.08	1.1	0	13,14	-110828	466837	-25568	-320056	1348156	SLU 51	2.888	Si
1910	16.08	1.1	0	13,14	-153559	535698	-25429	-357226	1246195	SLU 51	2.326	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	24.13	2.3	0	1,2	-1048772	-432402	-152073	-2.02	1.92	-1829319	-754216	SLV 15	1.744				Si
-111	24.13	2.3	0	1,2	-969090	-391540	-151921	-2.02	1.92	-1760667	-711359	SLV 15	1.817				Si
-81	24.13	1.1	0	2	-888044	-349972	-151766	-2.02	1.92	-1681383	-662622	SLV 15	1.893				Si
-52	24.13	1.1	0	2	-807020	-308407	-151612	-2.02	1.92	-1592584	-608614	SLV 15	1.973				Si
-22	24.13	1.1	0	2	-726022	-266843	-151458	-2.02	1.92	-1494279	-549209	SLV 15	2.058				Si
7	24.13	1.1	0	2	-645061	-225283	-151303	-2.02	1.92	-1387019	-484407	SLV 15	2.15				Si
36	24.13	1.1	0	2	-564154	-183729	-151149	-2.02	1.92	-1269816	-413544	SLV 15	2.251				Si
66	24.13	1.1	0	2	-483330	-142187	-150994	-2.02	1.92	-1141108	-335693	SLV 15	2.361				Si
95	24.13	1.1	0	2	-402634	-100669	-150840	-2.02	1.92	-999263	-249842	SLV 15	2.482				Si
125	24.13	1.1	0	2	-322162	-59225	-150685	-2.02	1.92	-826908	-152014	SLV 15	2.567				Si
154	24.13	1.1	0	2	-242195	-19531	-150531	-2.02	1.92	-622289	-50184	SLV 15	2.569				Si
184	24.13	1.1	0	2	-163498	21382	-150377	-2.02	1.92	-420519	54995	SLV 15	2.572				Si
213	24.13	1.1	0	2	-88860	66569	-150221	-2.02	1.92	-228785	171395	SLV 15	2.575				Si
242	24.13	1.1	0	2	3594	107596	-150068	-2.02	1.92	9262	277309	SLV 15	2.577				Si
272	24.13	1.1	0	2	98979	149107	-149913	-2.02	1.92	255363	384692	SLV 15	2.58				Si
301	24.13	1.1	0	2	58128	248376	-149109	-2.02	1.92	144797	618707	SLV 13	2.491				Si
331	24.13	1.1	0	2	86206	302973	-148954	-2.02	1.92	205524	722318	SLV 13	2.384				Si
360	24.13	1.1	0	2	113996	356650	-148803	-2.02	1.92	260764	815836	SLV 13	2.287				Si
380	24.13	2.3	0	2,3,5,6	353970	-426387	-122617	-2.02	1.92	833978	-1004598	SLV 13	2.356				Si
409	24.13	2.3	0	2,3,5,6	288940	-343553	-122465	-2.02	1.92	734328	-873127	SLV 13	2.541				Si
438	24.13	1.1	0	3,5,6	225846	-260784	-122313	-2.02	1.92	621804	-717996	SLV 13	2.753				Si
467	24.13	1.1	0	3,5,6	167125	-178166	-122160	-2.02	1.92	501183	-534291	SLV 13	2.999				Si
496	24.13	1.1	0	3,5,6	65768	-69794	-122650	-2.02	1.92	207394	-220092	SLV 15	3.153				Si
525	24.13	1.1	0	3,5,6	83664	-7236	-122498	-2.02	1.92	264156	-22846	SLV 15	3.157				Si
554	24.13	1.1	0	3,5,6	96981	56721	-122346	-2.02	1.92	306586	179313	SLV 15	3.161				Si
583	24.13	1.1	0	3,5,6	-74662	155788	-121551	-2.02	1.92	-236058	492555	SLV 13	3.162				Si
612	24.13	1.1	0	3,5,6	-216284	238278	-121399	-2.02	1.92	-611135	673282	SLV 13	2.826				Si
641	24.39	1.5	0	3,4,5,6	-281032	321005	-121247	-2.02	1.92	-734075	838487	SLV 13	2.612				Si
670	31.44	1.9	0	3,4,5,6	-346901	403818	-121095	-2.02	1.92	-889946	1035963	SLV 13	2.565				Si
690	24.13	2.5	0	4,5,6,7,9,10	349026	-256235	-93763	-2.02	1.92	961889	-706163	SLV 9	2.756				Si
719	21.83	2.5	0	4,5,6,7,9,10	276434	-201181	-93634	-2.02	1.92	810941	-590180	SLV 9	2.934				Si
748	20.11	1.1	0	7,9,10	203289	-145245	-93504	-2.02	1.92	642322	-458922	SLV 9	3.16				Si
777	20.11	1.1	0	7,9,10	-49161	-92079	-96279	-2.02	1.92	-168127	-314907	SLV 15	3.42				Si
806	20.11	1.1	0	7,9,10	-26713	-34979	-96149	-2.02	1.92	-91480	-119787	SLV 15	3.425				Si
835	20.11	1.1	0	7,9,10	43490	31153	-96018	-2.02	1.92	149137	106831	SLV 15	3.429				Si
864	20.11	1.1	0	7,9,10	83193	84969	-95888	-2.02	1.92	285679	291776	SLV 15	3.434				Si
893	20.11	1.1	0	7,9,10	14834	189453	-95125	-2.02	1.92	48011	613156	SLV 13	3.236				Si
922	20.11	1.1	0	7,9,10	-255100	192767	-92721	-2.02	1.92	-755444	570852	SLV 9	2.961				Si
951	20.37	1.6	0	7,8,9,10	-329015	248771	-92590	-2.02	1.92	-899167	679867	SLV 9	2.733				Si
980	27.42	2	0	7,8,9,10	-403238	304821	-92460	-2.02	1.92	-1087488	822068	SLV 9	2.697				Si
1000	20.11	2.7	0	8,9,10,11	245724	-334940	-68877	-2.02	1.92	628150	-856215	SLV 13	2.556				Si
1029	20.11	2.7	0	8,9,10,11	8115	-271487	-68770	-2.02	1.92	26126	-874070	SLV 13	3.22				Si
1058	20.11	1.3	0	11	3949	-206996	-68661	-2.02	1.92	13896	-728354	SLV 13	3.519				Si
1087	20.11	1.3	0	11	-74491	-106824	-69212	-2.02	1.92	-286435	-410764	SLV 15	3.845				Si
1116	20.11	1.3	0	11	-96022	-59332	-69104	-2.02	1.92	-388825	-240253	SLV 15	4.049				Si
1145	20.11	1.3	0	11	-132776	-15012	-68995	-2.02	1.92	-550729	-62267	SLV 15	4.148				Si
1174	20.11	1.3	0	11	-179060	55797	-68226	-2.02	1.92	-680449	212035	SLV 13	3.8				Si
1203	20.11	1.3	0	11	-230633	118633	-68117	-2.02	1.92	-777414	399888	SLV 13	3.371				Si
1232	20.11	1.3	0	11	-285125	182811	-68009	-2.02	1.92	-857025	549492	SLV 13	3.006				Si
1261	20.11	1.3	0	11	-341313	247257	-67900	-2.02	1.92	-912384	660957	SLV 13	2.673				Si
1290	20.11	1.3	0	11	-397557	310689	-67793	-2.02	1.92	-944215	737899	SLV 13	2.375				Si
1310	20.11	2.4	0	11,12	653643	221039	-35419	-2.02	1.92	1452322	491125	SLV 1	2.222				Si
1339	17.8	2.4	0	11,12	546292	172365	-35310	-2.02	1.92	1458767	460268	SLV 1	2.67				Si
1368	16.08	1.1	0	12	439663	123805	-35202	-2.02	1.92	1476520	415775	SLV 1	3.358				Si
1397	16.08	1.1	0	12	-326517	-118062	-40982	-2.02	1.92	-1267292	-458228	SLV 15	3.881				Si
1426	16.08	1.1	0	12	-275238	-72996	-40873	-2.02	1.92	-1243120	-329687	SLV 15	4.517				Si
1455	16.08	1.1	0	12	-213191	-13022	-40764	-2.02	1.92	-1155378	-70573	SLV 15	5.419				Si
1484	16.08	1.1	0	12	-200024	-75710	-34767	-2.02	1.92	-1086858	-411378	SLV 1	5.434				Si
1513	16.08	1.1	0	12	-162578	-155428	-35409	-2.02	1.92	-768827	-735013	SLV 3	4.729				Si
1542	16.08	1.1	0	12	-203664	-218390	-35300	-2.02	1.92	-780534	-836968	SLV 3	3.832				Si
1571	16.08	1.1	0	12	-368590	-219966	-34440	-2.02	1.92	-1123843	-670683	SLV 1	3.049				Si
1600	16.08	1.1	0	12	-467589	-267810	-34333	-2.02	1.92	-1135772	-650510	SLV 1	2.429				Si
1620	16.08	2.1	0	12,13,14	427714	181993	-12522	-2.02	1.92	1067554	454245	SLV 1	2.496				Si
1649	16.08	2.1	0	12,13,14	350827	162715	-12414	-2.02	1.92	1125117	521835	SLV 1	3.207				Si
1678	16.08	1.1	0	13,14	263675	-145177	-17766	-2.02	1.92	1149937	-633144	SLV 13	4.361				Si
1707	16.08	1.1	0	13,14	203160	-59950	-17657	-2.02	1.92	1448317	-427380	SLV 13	7.129				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1736	16.08	1.1	0	13,14	99939	67736	-14704	-2.02	1.92	1000684	678235	SLV 9	10.013				Si
1765	16.08	1.1	0	13,14	106675	109875	-18239	-2.02	1.92	799603	823591	SLV 15	7.496				Si
1794	16.08	1.1	0	13,14	108462	196413	-18131	-2.02	1.92	544932	986813	SLV 15	5.024				Si
1823	16.08	1.1	0	13,14	128152	281579	-18022	-2.02	1.92	459643	1009938	SLV 15	3.587				Si
1852	16.08	1.1	0	13,14	-160683	356304	-14269	-2.02	1.92	-402859	893310	SLV 9	2.507				Si
1881	16.08	1.1	0	13,14	-216742	438013	-14160	-2.02	1.92	-396490	801265	SLV 9	1.829				Si
1910	16.08	1.1	0	13,14	-272120	518351	-14053	-2.02	1.92	-391729	746189	SLV 9	1.44				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	2.3	0	1,2	-402762	-196487	-150512	-943735	-460399	SLD 15	2.343	Si
-111	24.13	2.3	0	1,2	-372068	-177558	-150360	-890523	-424974	SLD 15	2.393	Si
-81	24.13	1.1	0	2	-340852	-158302	-150205	-833998	-387334	SLD 15	2.447	Si
-52	24.13	1.1	0	2	-309648	-139047	-150051	-774883	-347961	SLD 15	2.502	Si
-22	24.13	1.1	0	2	-278461	-119794	-149897	-713054	-306756	SLD 15	2.561	Si
7	24.13	1.1	0	2	-247295	-100543	-149742	-638741	-259693	SLD 15	2.583	Si
36	24.13	1.1	0	2	-216161	-81295	-149588	-558902	-210195	SLD 15	2.586	Si
66	24.13	1.1	0	2	-185078	-62055	-149433	-479028	-160613	SLD 15	2.588	Si
95	24.13	1.1	0	2	-154071	-42829	-149279	-399187	-110967	SLD 15	2.591	Si
125	24.13	1.1	0	2	-123200	-23649	-149125	-319533	-61336	SLD 15	2.594	Si
154	24.13	1.1	0	2	-92637	-5360	-148970	-240512	-13917	SLD 15	2.596	Si
184	24.13	1.1	0	2	-62850	13656	-148816	-163346	35492	SLD 15	2.599	Si
213	24.13	1.1	0	2	-35622	34721	-148660	-92677	90335	SLD 15	2.602	Si
242	24.13	1.1	0	2	1540	53709	-148507	4011	139879	SLD 15	2.604	Si
272	24.13	1.1	0	2	41553	72931	-148352	108333	190138	SLD 15	2.607	Si
301	24.13	1.1	0	2	69857	92170	-148198	182314	240548	SLD 15	2.61	Si
331	24.13	1.1	0	2	100074	111417	-148044	261448	291083	SLD 15	2.613	Si
360	24.13	1.1	0	2	130253	130341	-147892	340642	340871	SLD 15	2.615	Si
380	24.13	2.3	0	2,3,5,6	218067	-174240	-121468	648284	-517994	SLD 13	2.973	Si
409	24.13	2.3	0	2,3,5,6	180190	-139787	-121316	558982	-433643	SLD 13	3.102	Si
438	24.13	1.1	0	3,5,6	103894	-78749	-121429	330918	-250829	SLD 15	3.185	Si
467	24.13	1.1	0	3,5,6	77817	-52632	-121277	248171	-167851	SLD 15	3.189	Si
496	24.13	1.1	0	3,5,6	53586	-26729	-121125	171107	-85349	SLD 15	3.193	Si
525	24.13	1.1	0	3,5,6	51523	-206	-120972	164729	-659	SLD 15	3.197	Si
554	24.13	1.1	0	3,5,6	44015	27542	-120820	140902	88168	SLD 15	3.201	Si
583	24.13	1.1	0	3,5,6	-6528	53164	-120668	-20925	170403	SLD 15	3.205	Si
612	24.13	1.1	0	3,5,6	-67614	79236	-120516	-216995	254292	SLD 15	3.209	Si
641	24.39	1.5	0	3,4,5,6	-152386	136975	-120098	-483487	434591	SLD 13	3.173	Si
670	31.44	1.9	0	3,4,5,6	-190804	171417	-119946	-615338	552818	SLD 13	3.225	Si
690	24.13	2.5	0	4,5,6,7,9,10	209332	-111141	-93991	704205	-373887	SLD 9	3.364	Si
719	21.83	2.5	0	4,5,6,7,9,10	167311	-86948	-93862	579216	-301006	SLD 9	3.462	Si
748	20.11	1.1	0	7,9,10	8749	-64199	-94927	30347	-222682	SLD 15	3.469	Si
777	20.11	1.1	0	7,9,10	7313	-38772	-94797	25402	-134670	SLD 15	3.473	Si
806	20.11	1.1	0	7,9,10	997	-13973	-94666	3469	-48600	SLD 15	3.478	Si
835	20.11	1.1	0	7,9,10	19751	15747	-94536	68791	54846	SLD 15	3.483	Si
864	20.11	1.1	0	7,9,10	20717	38939	-94405	72256	135813	SLD 15	3.488	Si
893	20.11	1.1	0	7,9,10	19382	64316	-94275	67694	224634	SLD 15	3.493	Si
922	20.11	1.1	0	7,9,10	-140549	86433	-92949	-490383	301570	SLD 9	3.489	Si
951	20.37	1.6	0	7,8,9,10	-183309	111041	-92818	-610968	370100	SLD 9	3.333	Si
980	27.42	2	0	7,8,9,10	-226257	135676	-92688	-770272	461899	SLD 9	3.404	Si
1000	20.11	2.7	0	8,9,10,11	142981	-142402	-67726	503616	-501576	SLD 13	3.522	Si
1029	20.11	2.7	0	8,9,10,11	112335	-86027	-66650	443829	-339886	SLD 9	3.951	Si
1058	20.11	1.3	0	11	91126	-65651	-66542	378822	-272921	SLD 9	4.157	Si
1087	20.11	1.3	0	11	-9528	-46782	-67674	-40479	-198745	SLD 15	4.248	Si
1116	20.11	1.3	0	11	-27218	-26213	-67566	-115818	-111540	SLD 15	4.255	Si
1145	20.11	1.3	0	11	-50553	-6948	-67457	-215458	-29611	SLD 15	4.262	Si
1174	20.11	1.3	0	11	-42642	17421	-67348	-182036	74368	SLD 15	4.269	Si
1203	20.11	1.3	0	11	-106089	49882	-66966	-442541	208079	SLD 13	4.171	Si
1232	20.11	1.3	0	11	-135931	77030	-66858	-531034	300926	SLD 13	3.907	Si
1261	20.11	1.3	0	11	-166429	104311	-66749	-610817	382837	SLD 13	3.67	Si
1290	20.11	1.3	0	11	-196803	131171	-66642	-681384	454149	SLD 13	3.462	Si
1310	20.11	2.4	0	11,12	322658	93943	-37159	1412579	411275	SLD 1	4.378	Si
1339	17.8	2.4	0	11,12	262230	70958	-37050	1290108	349097	SLD 1	4.92	Si
1368	16.08	1.1	0	12	202116	48027	-36941	1118172	265704	SLD 1	5.532	Si
1397	16.08	1.1	0	12	-134778	-52085	-39242	-781804	-302131	SLD 15	5.801	Si
1426	16.08	1.1	0	12	-127930	-38260	-39134	-772567	-231054	SLD 15	6.039	Si
1455	16.08	1.1	0	12	-116460	-17526	-39025	-748451	-112637	SLD 15	6.427	Si
1484	16.08	1.1	0	12	-126396	-46213	-36506	-790776	-289126	SLD 1	6.256	Si
1513	16.08	1.1	0	12	-126473	-81324	-36708	-730041	-469424	SLD 3	5.772	Si
1542	16.08	1.1	0	12	-160550	-109917	-36599	-832827	-570177	SLD 3	5.187	Si
1571	16.08	1.1	0	12	-244774	-114315	-36180	-1122914	-524426	SLD 1	4.588	Si
1600	16.08	1.1	0	12	-301548	-136907	-36073	-1211680	-550118	SLD 1	4.018	Si
1620	16.08	2.1	0	12,13,14	44364	-217097	-16931	232223	-1136395	SLD 15	5.235	Si
1649	16.08	2.1	0	12,13,14	41733	-152559	-16822	298657	-1091767	SLD 15	7.156	Si
1678	16.08	1.1	0	13,14	176408	-71142	-16383	1315384	-530468	SLD 13	7.456	Si
1707	16.08	1.1	0	13,14	110074	47842	-14442	1194178	519037	SLD 5	10.849	Si
1736	16.08	1.1	0	13,14	79122	62812	-15001	868895	689785	SLD 9	10.982	Si
1765	16.08	1.1	0	13,14	68552	103845	-16387	601334	910917	SLD 15	8.772	Si
1794	16.08	1.1	0	13,14	53355	162820	-16278	353059	1077411	SLD 15	6.617	Si
1823	16.08	1.1	0	13,14	46174	221210	-16170	236729	1134106	SLD 15	5.127	Si
1852	16.08	1.1	0	13,14	-86719	275581	-14566	-336584	1069612	SLD 9	3.881	Si
1881	16.08	1.1	0	13,14	-124381	332620	-14458	-361298	966188	SLD 9	2.905	Si
1910	16.08	1.1	0	13,14	-161522	388695	-14351	-364469	877075	SLD 9	2.256	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	278	-240526	SLU 49	17927	45185	45964	2.05	162.3	-380	-241731	SLU 52	17432	48083	49909	2.1	126.38	Si
-111	5X/2Y Ø8/10	278	-240329	SLU 49	17927	45185	46036	2.05	162.3	-380	-241534	SLU 52	17432	49228	49245	2.15	129.38	Si
-81	5X/2Y Ø8/10	278	-240128	SLU 49	17927	45185	46110	2.05	162.3	-380	-241333	SLU 52	17432	49228	49325	2.15	129.38	Si
-52	5X/2Y Ø8/10	278	-239927	SLU 49	17927	45185	46184	2.05	162.3	-380	-241133	SLU 52	17432	49228	49404	2.15	129.38	Si
-22	5X/2Y Ø8/14.7	278	-239726	SLU 49	17927	37388	40481	2.5	134.3	-382	-219056	SLU 26	17432	38839	52463	2.5	101.57	Si
7	5X/2Y Ø8/14.7	278	-239526	SLU 49	17927	37388	40545	2.5	134.3	-382	-218901	SLU 26	17432	38839	52518	2.5	101.57	Si
36	5X/2Y Ø8/14.7	278	-239325	SLU 49	17927	37388	40610	2.5	134.3	-382	-218747	SLU 26	17432	38839	52573	2.5	101.57	Si
66	5X/2Y Ø8/14.7	278	-239124	SLU 49	17927	37388	40674	2.5	134.3	-382	-218593	SLU 26	17432	38839	52629	2.5	101.57	Si
95	5X/2Y Ø8/14.7	278	-238923	SLU 49	17927	37388	40739	2.5	134.3	-382	-218438	SLU 26	17432	38839	52684	2.5	101.57	Si
125	5X/2Y Ø8/14.7	278	-238723	SLU 49	17927	37388	40804	2.5	134.3	-382	-218284	SLU 26	17432	38839	52739	2.5	101.57	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
154	5X/2Y Ø8/14.7	278	-238522	SLU 49	17927	37388	40868	2.5	134.3	-382	-218129	SLU 26	17432	38839	52795	2.5	101.57	Si
184	5X/2Y Ø8/14.7	278	-238321	SLU 49	17927	37388	40933	2.5	134.3	-382	-217975	SLU 26	17432	38839	52850	2.5	101.57	Si
213	5X/2Y Ø8/14.7	278	-238119	SLU 49	17927	37388	40998	2.5	134.3	-382	-217819	SLU 26	17432	38839	52906	2.5	101.57	Si
242	5X/2Y Ø8/10	278	-237920	SLU 49	17927	45180	46923	2.05	162.29	-380	-239125	SLU 52	17432	49223	50202	2.15	129.37	Si
272	5X/2Y Ø8/10	276	-239050	SLU 51	17927	45180	46507	2.05	163.91	-380	-238925	SLU 52	17432	49223	50282	2.15	129.37	Si
301	5X/2Y Ø8/10	276	-238850	SLU 51	17927	45180	46580	2.05	163.91	-380	-238724	SLU 52	17432	49223	50362	2.15	129.37	Si
331	5X/2Y Ø8/10	276	-238649	SLU 51	17927	45180	46654	2.05	163.91	-380	-238523	SLU 52	17432	49223	50441	2.15	129.37	Si
360	5X/2Y Ø8/10	276	-238452	SLU 51	17927	45180	46727	2.05	163.91	-380	-238326	SLU 52	17432	49223	50520	2.15	129.37	Si
380	5X/2Y Ø8/10	223	-195353	SLU 50	17927	53996	55570	2.45	242.15	-1253	-196725	SLU 51	17432	57236	60466	2.5	45.67	Si
409	5X/2Y Ø8/10	223	-195155	SLU 50	17927	53996	55634	2.45	242.15	-1253	-196527	SLU 51	17432	57236	60536	2.5	45.67	Si
438	5X/2Y Ø8/10	223	-194957	SLU 50	17927	53996	55699	2.45	242.15	-1253	-196329	SLU 51	17432	57236	60607	2.5	45.67	Si
467	5X/2Y Ø8/14.4	223	-194759	SLU 50	17927	38145	54959	2.5	171.07	-1253	-196131	SLU 51	17432	39625	60678	2.5	31.62	Si
496	5X/2Y Ø8/14.4	223	-194561	SLU 50	17927	38145	55023	2.5	171.07	-1253	-195933	SLU 51	17432	39625	60749	2.5	31.62	Si
525	5X/2Y Ø8/14.4	223	-194363	SLU 50	17927	38145	55087	2.5	171.07	-1253	-195735	SLU 51	17432	39625	60820	2.5	31.62	Si
554	5X/2Y Ø8/14.4	223	-194166	SLU 50	17927	38145	55150	2.5	171.07	-1253	-195537	SLU 51	17432	39625	60891	2.5	31.62	Si
583	5X/2Y Ø8/14.4	223	-193968	SLU 50	17927	38145	55214	2.5	171.07	-1253	-195339	SLU 51	17432	39625	60962	2.5	31.62	Si
612	5X/2Y Ø8/10	219	-195122	SLU 52	17927	53996	55645	2.45	246.23	-1253	-195141	SLU 51	17432	57236	61033	2.5	45.67	Si
641	5X/2Y Ø8/10	219	-194924	SLU 52	17927	53996	55710	2.45	246.23	-1253	-194943	SLU 51	17432	57236	61104	2.5	45.67	Si
670	5X/2Y Ø8/10	219	-194726	SLU 52	17927	53996	55774	2.45	246.23	-1253	-194746	SLU 51	17432	57236	61175	2.5	45.67	Si
690	5X/2Y Ø8/10	292	-153617	SLU 49	15366	51792	52691	2.35	177.43	-1413	-154992	SLU 51	15029	48385	55356	2.5	34.25	Si
719	5X/2Y Ø8/10	292	-153450	SLU 49	15366	51792	52691	2.35	177.43	-1413	-154825	SLU 51	15029	48385	55356	2.5	34.25	Si
748	5X/2Y Ø8/10	292	-153280	SLU 49	15366	51792	52691	2.35	177.43	-1413	-154656	SLU 51	15029	48385	55356	2.5	34.25	Si
777	5X/2Y Ø8/14.4	292	-153111	SLU 49	15366	38145	50429	2.5	130.68	-1413	-154486	SLU 51	15029	33497	55356	2.5	23.71	Si
806	5X/2Y Ø8/14.4	292	-152941	SLU 49	15366	38145	50429	2.5	130.68	-1413	-154316	SLU 51	15029	33497	55356	2.5	23.71	Si
835	5X/2Y Ø8/14.4	292	-152771	SLU 49	15366	38145	50429	2.5	130.68	-1413	-154147	SLU 51	15029	33497	55356	2.5	23.71	Si
864	5X/2Y Ø8/14.4	292	-152602	SLU 49	15366	38145	50429	2.5	130.68	-1413	-153977	SLU 51	15029	33497	55356	2.5	23.71	Si
893	5X/2Y Ø8/14.4	292	-152432	SLU 49	15366	38145	50429	2.5	130.68	-1413	-153807	SLU 51	15029	33497	55356	2.5	23.71	Si
922	5X/2Y Ø8/10	292	-152262	SLU 49	15366	51792	52691	2.35	177.43	-1413	-153638	SLU 51	15029	48385	55356	2.5	34.25	Si
951	5X/2Y Ø8/10	292	-152093	SLU 49	15366	51792	52691	2.35	177.43	-1413	-153468	SLU 51	15029	48385	55356	2.5	34.25	Si
980	5X/2Y Ø8/10	292	-151923	SLU 49	15366	51792	52691	2.35	177.43	-1413	-153298	SLU 51	15029	48385	55356	2.5	34.25	Si
1000	4X/2Y Ø8/10	186	-68779	SLU 30	12805	42315	43268	2.4	227.63	-802	-110467	SLU 50	12600	39534	45230	2.5	49.28	Si
1029	4X/2Y Ø8/10	186	-68640	SLU 30	12805	42315	43268	2.4	227.63	-802	-110328	SLU 50	12600	39534	45230	2.5	49.28	Si
1058	4X/2Y Ø8/10	186	-68498	SLU 30	12805	42315	43268	2.4	227.63	-802	-110186	SLU 50	12600	39534	45230	2.5	49.28	Si
1087	4X/2Y Ø8/14.4	186	-68357	SLU 30	12805	30516	42024	2.5	164.16	-802	-110045	SLU 50	12600	27370	45230	2.5	34.12	Si
1116	4X/2Y Ø8/14.4	186	-68215	SLU 30	12805	30516	42024	2.5	164.16	-802	-109903	SLU 50	12600	27370	45230	2.5	34.12	Si
1145	4X/2Y Ø8/14.4	186	-68074	SLU 30	12805	30516	42024	2.5	164.16	-802	-109762	SLU 50	12600	27370	45230	2.5	34.12	Si
1174	4X/2Y Ø8/14.4	186	-67933	SLU 30	12805	30516	42024	2.5	164.16	-802	-109621	SLU 50	12600	27370	45230	2.5	34.12	Si
1203	4X/2Y Ø8/14.4	186	-67791	SLU 30	12805	30516	42024	2.5	164.16	-802	-109479	SLU 50	12600	27370	45230	2.5	34.12	Si
1232	4X/2Y Ø8/10	186	-67650	SLU 30	12805	42315	43268	2.4	227.63	-802	-109338	SLU 50	12600	39534	45230	2.5	49.28	Si
1261	4X/2Y Ø8/10	186	-67509	SLU 30	12805	42315	43268	2.4	227.63	-802	-109197	SLU 50	12600	39534	45230	2.5	49.28	Si
1290	4X/2Y Ø8/10	186	-67370	SLU 30	12805	42315	43268	2.4	227.63	-802	-109058	SLU 50	12600	39534	45230	2.5	49.28	Si
1310	4X/2Y Ø8/10	-645	-49854	SLU 35	12512	41434	41836	2.35	64.21	-1609	-63981	SLU 51	12600	39534	45053	2.5	24.57	Si
1339	4X/2Y Ø8/10	-645	-49712	SLU 35	12495	41434	41817	2.35	64.21	-1609	-63840	SLU 51	12600	39534	45033	2.5	24.57	Si
1368	4X/2Y Ø8/10	-645	-49571	SLU 35	12477	41434	41798	2.35	64.21	-1609	-63699	SLU 51	12600	39534	45014	2.5	24.57	Si
1397	4X/2Y Ø8/14.4	-645	-49430	SLU 35	12459	30516	39986	2.5	47.29	-1609	-63557	SLU 51	12600	27370	44994	2.5	17.01	Si
1426	4X/2Y Ø8/14.4	-645	-49288	SLU 35	12442	30516	39968	2.5	47.29	-1609	-63416	SLU 51	12600	27370	44975	2.5	17.01	Si
1455	4X/2Y Ø8/14.4	-645	-49147	SLU 35	12424	30516	39949	2.5	47.29	-1609	-63275	SLU 51	12600	27370	44955	2.5	17.01	Si
1484	4X/2Y Ø8/14.4	-645	-49006	SLU 35	12407	30516	39931	2.5	47.29	-1609	-63133	SLU 51	12600	27370	44935	2.5	17.01	Si
1513	4X/2Y Ø8/14.4	-645	-48864	SLU 35	12389	30516	39913	2.5	47.29	-1609	-62992	SLU 51	12600	27370	44916	2.5	17.01	Si
1542	4X/2Y Ø8/10	-645	-48723	SLU 35	12371	41434	41684	2.35	64.21	-1609	-62850	SLU 51	12600	39534	44896	2.5	24.57	Si
1571	4X/2Y Ø8/10	-645	-48581	SLU 35	12354	41434	41665	2.35	64.21	-1609	-62709	SLU 51	12600	39534	44877	2.5	24.57	Si
1600	4X/2Y Ø8/10	-645	-48443	SLU 35	12336	41434	41646	2.35	64.21	-1609	-62570	SLU 51	12600	39534	44857	2.5	24.57	Si
1620	4X/2Y Ø8/10	2460	-26690	SLU 49	9628	39671	39884	2.25	16.12	-1499	-26840	SLU 51	9201	39534	39905	2.5	26.37	Si
1649	4X/2Y Ø8/10	2460	-26549	SLU 49	9611	39671	39864	2.25	16.12	-1499	-26699	SLU 51	9182	39534	39885	2.5	26.37	Si
1678	4X/2Y Ø8/10	2460	-26408	SLU 49	9593	39671	39845	2.25	16.12	-1499	-26558	SLU 51	9163	39534	39865	2.5	26.37	Si
1707	4X/2Y Ø8/14.4	2460	-26266	SLU 49	9576	30516	37002	2.5	12.4	-1499	-26416	SLU 51	9144	27370	39846	2.5	18.25	Si
1736	4X/2Y Ø8/14.4	2460	-26125	SLU 49	9558	30516	36984	2.5	12.4	-1499	-26275	SLU 51	9125	27370	39826	2.5	18.25	Si
1765	4X/2Y Ø8/14.4	2460	-25984	SLU 49	9540	30516	36966	2.5	12.4	-1499	-26134	SLU 51	9106	27370	39807	2.5	18.25	Si
1794	4X/2Y Ø8/14.4	2460	-25842	SLU 49	9523	30516	36948	2.5	12.4	-1499	-25992	SLU 51	9088	27370	39787	2.5	18.25	Si
1823	4X/2Y Ø8/14.4	2460	-25701	SLU 49	9505	30516	36930	2.5	12.4	-1499	-25851	SLU 51	9069	27370	39767	2.5	18.25	Si
1852	4X/2Y Ø8/10	2460	-25559	SLU 49	9488	39671	39727	2.25	16.12	-1499	-25709	SLU 51	9050	39534	39748	2.5	26.37	Si
1881	4X/2Y Ø8/10	2460	-25418	SLU 49	9470	39671	39708	2.25	16.12	-1499	-25568	SLU 51	9031	39534	39728	2.5	26.37	Si
1910	4X/2Y Ø8/10	2460	-25279	SLU 49	9453	39671	39688	2.25	16.12	-1499	-25429	SLU 51	9012	39534	39709	2.5	26.37	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	1857	-151422	SLV 13	17927	55104	58834	2.5	29.67	-3611	-147668	SLV 5	17432	57242	65483	2.5	15.85	Si
-111	5X/2Y Ø8/10	1857	-151271	SLV 13	17927	55104	58834	2.5	29.67	-3611	-147516	SLV 5	17432	57242	65483	2.5	15.85	Si
-81	5X/2Y Ø8/10	1857	-151116	SLV 13	17927	55104	58834	2.5	29.67	-3611	-147361	SLV 5	17432	57242	65483	2.5	15.85	Si
-52	5X/2Y Ø8/10	1857	-150962	SLV 13	17927	55104	58834	2.5	29.67	-3611	-147207	SLV 5	17432	57242	65483	2.5	15.85	Si
-22	5X/2Y Ø8/14.7	1857	-150807	SLV 13	17927	37388	58834	2.5	20.13	-3611	-147053	SLV 5	17432	38839	65483	2.5	10.76	Si
7	5X/2Y Ø8/14.7	1857	-150653	SLV 13	17927	37388	58834	2.5	20.13	-3611	-146898	SLV 5	17432	38839	65483	2.5	10.76	Si
36	5X/2Y Ø8/14.7	1857	-150498	SLV 13	17927	37388	58834	2.5	20.13	-3611	-146744	SLV 5	17432	38839	65483	2.5	10.76	Si
66	5X/2Y Ø8/14.7	1857	-150344	SLV 13	17927	37388	58834	2.5	20.13	-3611	-146589	SLV 5	17432	38839	65483	2.5	10.76	Si
95	5X/2Y Ø8/14.7	1857	-150190	SLV 13	17927	37388	58834	2.5	20.13	-3611	-146435	SLV 5	17432	38839	65483	2.5	10.76	Si
125	5X/2Y Ø8/14.7	1857	-150035	SLV 13	17927	37388	58834	2.5	20.13	-3611	-146281	SLV 5	17432	38839	65483	2.5	10.76	Si
154	5X/2Y Ø8/14.7	1857	-149881	SLV 13	17927	37388	58834	2.5	20.13	-3611	-146126	SLV 5	17432	38839	65483	2.5	10.76	Si
184	5X/2Y Ø8/14.7	1857	-149726	SLV 13	17927	37388	58834	2.5	20.13	-3611	-145972	SLV 5	17432	38839	65483	2.5	10.76	Si
213	5X/2Y Ø8/14.7	1857	-149570	SLV 13	17927	37388	58834	2.5	20.13	-3611	-145816	SLV 5	17432	38839	65483	2.5	10.76	Si
242	5X/2Y Ø8/10	1857	-149418	SLV 13	17927	55098	58834	2.5	29.67	-3611	-145663	SLV 5	17432	57236	65483	2.5	15.85	Si
272	5X/2Y Ø8/10	1857	-149263	SLV 13	17927	55098	58834	2.5	29.67	-3611	-145509	SLV 5	17432	57236	65483	2.5	15.85	Si
301	5X/2Y Ø8/10	1857	-149109	SLV 13	17927	55098	58834	2.5	29.67	-3611	-145354	SLV 5	17432	57236	65483	2.5	15.85	Si
331	5X/2Y Ø8/10	1857	-148954	SLV 13	17927	55098	58834	2.5	29.67	-3611	-145200	SLV 5	17432	57236	65483	2.5	15.85	Si
360	5X/2Y Ø8/10	1857	-148803	SLV 13	17927	55098	58834	2.5	29.67	-3611	-145048	SLV 5	17432	57236	65483	2.5	15.85	Si
380	5X/2Y Ø8/10	2860	-122617	SLV 13	17927	55098	58834	2.5	19.27	-2811	-120289	SLV 9	17432	57236	65483	2.5	20.36	Si
409	5X/2Y Ø8/10	2860	-122465	SLV 13	17927	55098	58834	2.5	19.27	-2811	-120137	SLV 9	17432	57236	65483	2.5	20.36	Si
438	5X/2Y Ø8/10	2860	-122313	SLV 13	17927	55098	58834	2.5	19.27	-2811	-119985	SLV 9	17432	57236	65483	2.5	20.36	Si
467	5X/2Y Ø8/14.4	2860	-122160	SLV 13	17927	38145	58834	2.5	13.34	-2811	-119833	SLV 9	17432	39625	65483	2.5	14.09	Si
496	5X/2Y Ø8/14.4	2860	-122008	SLV 13	17927	38145	58834	2.5	13.34	-2811	-119680	SLV 9	17432	39625	65483	2.5	14.09	Si
525	5X/2Y Ø8/14.4	2860	-121856	SLV 13	17927	38145	58834	2.5	13.34	-2811	-119528	SLV 9	17432	39625	65483	2.5	14.09	Si
554	5X/2Y Ø8/14.4	2860	-121704	SLV 13	17927	38145	58834	2.5	13.34	-2811	-119376	SLV 9	17432	39625	65483	2.5	14.09	Si
583	5X/2Y Ø8/14.4	2860	-121551	SLV 13	17927	38145	58834	2.5	13.34	-2811	-119224	SLV 9	17432	39625	65483	2.5	14.09	Si
612	5X/2Y Ø8/10	2860	-121399	SLV 13	17927	55098	58834	2.5	19.27	-2811	-119071	SLV 9	17432	57236	65483	2.5	20.36	Si
641	5X/2Y Ø8/10	2860	-121247	SLV 13	17927	55098	58834	2.5	19.27	-2811	-118919	SLV 9	17432	57236	65483	2.5	20.36	Si
670	5X/2Y Ø8/10	2860	-121095	SLV 13	17927	55098	58834	2.5	19.27	-2811	-118767	SLV 9	17432	57236	65483	2.5	20.36	Si
690	5X/2Y Ø8/10	2689	-96036	SLV 13	15366	51792	52691	2.35	19.26	-3435	-92446	SLV 5	15029	48385	55356	2.5	14.08	Si
719	5X/2Y Ø8/10	2689	-95908	SLV 13	15366	51792	52691	2.35	19.26	-3435	-92318	SLV 5	15029	48385	55356	2.5	14.08	Si
748	5X/2Y Ø8/10	2689	-95777	SLV 13	15366	51792	52691	2.35	19.26	-3435	-92187	SLV 5	15029	48385	55356	2.5	14.08	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
777	5X/2Y Ø8/14.4	2689	-95647	SLV 13	15366	38145	50429	2.5	14.18	-3435	-92057	SLV 5	15029	33497	55356	2.5	9.75	Si
806	5X/2Y Ø8/14.4	2689	-95516	SLV 13	15366	38145	50429	2.5	14.18	-3435	-91926	SLV 5	15029	33497	55356	2.5	9.75	Si
835	5X/2Y Ø8/14.4	2689	-95386	SLV 13	15366	38145	50429	2.5	14.18	-3435	-91796	SLV 5	15029	33497	55356	2.5	9.75	Si
864	5X/2Y Ø8/14.4	2689	-95255	SLV 13	15366	38145	50429	2.5	14.18	-3435	-91665	SLV 5	15029	33497	55356	2.5	9.75	Si
893	5X/2Y Ø8/14.4	2689	-95125	SLV 13	15366	38145	50429	2.5	14.18	-3435	-91535	SLV 5	15029	33497	55356	2.5	9.75	Si
922	5X/2Y Ø8/10	2689	-94994	SLV 13	15366	51792	52691	2.35	19.26	-3435	-91404	SLV 5	15029	48385	55356	2.5	14.08	Si
951	5X/2Y Ø8/10	2689	-94864	SLV 13	15366	51792	52691	2.35	19.26	-3435	-91274	SLV 5	15029	48385	55356	2.5	14.08	Si
980	5X/2Y Ø8/10	2689	-94733	SLV 13	15366	51792	52691	2.35	19.26	-3435	-91143	SLV 5	15029	48385	55356	2.5	14.08	Si
1000	4X/2Y Ø8/10	2230	-68877	SLV 13	12805	42315	43268	2.4	18.97	-2207	-66515	SLV 9	12600	39534	45230	2.5	17.91	Si
1029	4X/2Y Ø8/10	2230	-68770	SLV 13	12805	42315	43268	2.4	18.97	-2207	-66409	SLV 9	12600	39534	45230	2.5	17.91	Si
1058	4X/2Y Ø8/10	2230	-68661	SLV 13	12805	42315	43268	2.4	18.97	-2207	-66300	SLV 9	12600	39534	45230	2.5	17.91	Si
1087	4X/2Y Ø8/14.4	2230	-68552	SLV 13	12805	30516	42024	2.5	13.68	-2207	-66191	SLV 9	12600	27370	45230	2.5	12.4	Si
1116	4X/2Y Ø8/14.4	2230	-68444	SLV 13	12805	30516	42024	2.5	13.68	-2207	-66082	SLV 9	12600	27370	45230	2.5	12.4	Si
1145	4X/2Y Ø8/14.4	2230	-68335	SLV 13	12805	30516	42024	2.5	13.68	-2207	-65974	SLV 9	12600	27370	45230	2.5	12.4	Si
1174	4X/2Y Ø8/14.4	2230	-68226	SLV 13	12805	30516	42024	2.5	13.68	-2207	-65865	SLV 9	12600	27370	45230	2.5	12.4	Si
1203	4X/2Y Ø8/14.4	2230	-68117	SLV 13	12805	30516	42024	2.5	13.68	-2207	-65756	SLV 9	12600	27370	45230	2.5	12.4	Si
1232	4X/2Y Ø8/10	2230	-68009	SLV 13	12805	42315	43268	2.4	18.97	-2207	-65647	SLV 9	12600	39534	45230	2.5	17.91	Si
1261	4X/2Y Ø8/10	2230	-67900	SLV 13	12805	42315	43268	2.4	18.97	-2207	-65539	SLV 9	12600	39534	45230	2.5	17.91	Si
1290	4X/2Y Ø8/10	2230	-67793	SLV 13	12805	42315	43268	2.4	18.97	-2207	-65432	SLV 9	12600	39534	45230	2.5	17.91	Si
1310	4X/2Y Ø8/10	-2199	-36170	SLV 3	10809	40552	40590	2.3	18.44	-3872	-36341	SLV 5	10474	39534	41222	2.5	10.21	Si
1339	4X/2Y Ø8/10	-2199	-36061	SLV 3	10795	40552	40576	2.3	18.44	-3872	-36232	SLV 5	10460	39534	41206	2.5	10.21	Si
1368	4X/2Y Ø8/10	-2199	-35953	SLV 3	10781	40552	40561	2.3	18.44	-3872	-36123	SLV 5	10445	39534	41191	2.5	10.21	Si
1397	4X/2Y Ø8/14.4	-2199	-35844	SLV 3	10768	30516	38236	2.5	13.88	-3872	-36015	SLV 5	10431	27370	41176	2.5	7.07	Si
1426	4X/2Y Ø8/14.4	-2199	-35735	SLV 3	10754	30516	38222	2.5	13.88	-3872	-35906	SLV 5	10416	27370	41161	2.5	7.07	Si
1455	4X/2Y Ø8/14.4	-2199	-35626	SLV 3	10741	30516	38208	2.5	13.88	-3872	-35797	SLV 5	10401	27370	41146	2.5	7.07	Si
1484	4X/2Y Ø8/14.4	-2199	-35518	SLV 3	10727	30516	38194	2.5	13.88	-3872	-35688	SLV 5	10387	27370	41131	2.5	7.07	Si
1513	4X/2Y Ø8/14.4	-2199	-35409	SLV 3	10714	30516	38180	2.5	13.88	-3872	-35580	SLV 5	10372	27370	41116	2.5	7.07	Si
1542	4X/2Y Ø8/10	-2199	-35300	SLV 3	10700	39671	41078	2.25	18.04	-3872	-35471	SLV 5	10358	39534	41101	2.5	10.21	Si
1571	4X/2Y Ø8/10	-2199	-35191	SLV 3	10687	39671	41062	2.25	18.04	-3872	-35362	SLV 5	10343	39534	41086	2.5	10.21	Si
1600	4X/2Y Ø8/10	-2199	-35085	SLV 3	10673	39671	41048	2.25	18.04	-3872	-35255	SLV 5	10329	39534	41071	2.5	10.21	Si
1620	4X/2Y Ø8/10	3469	-17983	SLV 13	8544	38789	39258	2.2	11.18	-2816	-13501	SLV 5	7414	37953	39181	2.4	13.48	Si
1649	4X/2Y Ø8/10	3469	-17875	SLV 13	8531	38789	39243	2.2	11.18	-2816	-13392	SLV 5	7399	37953	39166	2.4	13.48	Si
1678	4X/2Y Ø8/10	3469	-17766	SLV 13	8517	38789	39228	2.2	11.18	-2816	-13283	SLV 5	7385	37953	39150	2.4	13.48	Si
1707	4X/2Y Ø8/14.4	3469	-17657	SLV 13	8504	30516	35894	2.5	8.8	-2816	-13174	SLV 5	7370	27370	38010	2.5	9.72	Si
1736	4X/2Y Ø8/14.4	3469	-17548	SLV 13	8490	30516	35880	2.5	8.8	-2816	-13066	SLV 5	7355	27370	37995	2.5	9.72	Si
1765	4X/2Y Ø8/14.4	3469	-17440	SLV 13	8477	30516	35866	2.5	8.8	-2816	-12957	SLV 5	7341	27370	37980	2.5	9.72	Si
1794	4X/2Y Ø8/14.4	3469	-17331	SLV 13	8463	30516	35852	2.5	8.8	-2816	-12848	SLV 5	7326	27370	37965	2.5	9.72	Si
1823	4X/2Y Ø8/14.4	3469	-17222	SLV 13	8450	30516	35838	2.5	8.8	-2816	-12739	SLV 5	7312	27370	37950	2.5	9.72	Si
1852	4X/2Y Ø8/10	3469	-17113	SLV 13	8436	38789	39136	2.2	11.18	-2816	-12631	SLV 5	7297	37953	39057	2.4	13.48	Si
1881	4X/2Y Ø8/10	3469	-17005	SLV 13	8422	38789	39121	2.2	11.18	-2816	-12522	SLV 5	7283	37953	39042	2.4	13.48	Si
1910	4X/2Y Ø8/10	3469	-16898	SLV 13	8409	38789	39106	2.2	11.18	-2816	-12415	SLV 5	7268	37953	39026	2.4	13.48	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	830	-150244	SLD 13	22477	55104	58834	2.5	66.42	-1465	-148716	SLD 5	22496	57242	65483	2.5	39.07	Si
-111	5X/2Y Ø8/10	830	-150092	SLD 13	22477	55104	58834	2.5	66.42	-1465	-148564	SLD 5	22496	57242	65483	2.5	39.07	Si
-81	5X/2Y Ø8/10	830	-149938	SLD 13	22477	55104	58834	2.5	66.42	-1465	-148410	SLD 5	22496	57242	65483	2.5	39.07	Si
-52	5X/2Y Ø8/10	830	-149783	SLD 13	22477	55104	58834	2.5	66.42	-1465	-148255	SLD 5	22496	57242	65483	2.5	39.07	Si
-22	5X/2Y Ø8/14.7	830	-149629	SLD 13	22477	37388	58834	2.5	45.07	-1465	-148101	SLD 5	22496	38839	65483	2.5	26.51	Si
7	5X/2Y Ø8/14.7	830	-149474	SLD 13	22477	37388	58834	2.5	45.07	-1465	-147947	SLD 5	22496	38839	65483	2.5	26.51	Si
36	5X/2Y Ø8/14.7	830	-149320	SLD 13	22477	37388	58834	2.5	45.07	-1465	-147792	SLD 5	22496	38839	65483	2.5	26.51	Si
66	5X/2Y Ø8/14.7	830	-149166	SLD 13	22477	37388	58834	2.5	45.07	-1465	-147638	SLD 5	22496	38839	65483	2.5	26.51	Si
95	5X/2Y Ø8/14.7	830	-149011	SLD 13	22477	37388	58834	2.5	45.07	-1465	-147483	SLD 5	22496	38839	65483	2.5	26.51	Si
125	5X/2Y Ø8/14.7	830	-148857	SLD 13	22477	37388	58834	2.5	45.07	-1465	-147329	SLD 5	22496	38839	65483	2.5	26.51	Si
154	5X/2Y Ø8/14.7	830	-148702	SLD 13	22477	37388	58834	2.5	45.07	-1465	-147175	SLD 5	22496	38839	65483	2.5	26.51	Si
184	5X/2Y Ø8/14.7	830	-148548	SLD 13	22477	37388	58834	2.5	45.07	-1465	-147020	SLD 5	22496	38839	65483	2.5	26.51	Si
213	5X/2Y Ø8/14.7	830	-148392	SLD 13	22477	37388	58834	2.5	45.07	-1465	-146864	SLD 5	22496	38839	65483	2.5	26.51	Si
242	5X/2Y Ø8/10	830	-148239	SLD 13	22477	55098	58834	2.5	66.42	-1465	-146711	SLD 5	22496	57236	65483	2.5	39.06	Si
272	5X/2Y Ø8/10	830	-148085	SLD 13	22477	55098	58834	2.5	66.42	-1465	-146557	SLD 5	22496	57236	65483	2.5	39.06	Si
301	5X/2Y Ø8/10	830	-147930	SLD 13	22477	55098	58834	2.5	66.42	-1465	-146402	SLD 5	22496	57236	65483	2.5	39.06	Si
331	5X/2Y Ø8/10	830	-147776	SLD 13	22477	55098	58834	2.5	66.42	-1465	-146248	SLD 5	22496	57236	65483	2.5	39.06	Si
360	5X/2Y Ø8/10	830	-147624	SLD 13	22477	55098	58834	2.5	66.42	-1465	-146096	SLD 5	22496	57236	65483	2.5	39.06	Si
380	5X/2Y Ø8/10	1190	-121468	SLD 13	22477	55098	58834	2.5	46.3	-1549	-120517	SLD 9	22496	57236	65483	2.5	36.95	Si
409	5X/2Y Ø8/10	1190	-121316	SLD 13	22477	55098	58834	2.5	46.3	-1549	-120364	SLD 9	22496	57236	65483	2.5	36.95	Si
438	5X/2Y Ø8/10	1190	-121164	SLD 13	22477	55098	58834	2.5	46.3	-1549	-120212	SLD 9	22496	57236	65483	2.5	36.95	Si
467	5X/2Y Ø8/14.4	1190	-121012	SLD 13	22477	38145	58834	2.5	32.05	-1549	-120060	SLD 9	22496	39625	65483	2.5	25.58	Si
496	5X/2Y Ø8/14.4	1190	-120859	SLD 13	22477	38145	58834	2.5	32.05	-1549	-119908	SLD 9	22496	39625	65483	2.5	25.58	Si
525	5X/2Y Ø8/14.4	1190	-120707	SLD 13	22477	38145	58834	2.5	32.05	-1549	-119755	SLD 9	22496	39625	65483	2.5	25.58	Si
554	5X/2Y Ø8/14.4	1190	-120555	SLD 13	22477	38145	58834	2.5	32.05	-1549	-119603	SLD 9	22496	39625	65483	2.5	25.58	Si
583	5X/2Y Ø8/14.4	1190	-120403	SLD 13	22477	38145	58834	2.5	32.05	-1549	-119451	SLD 9	22496	39625	65483	2.5	25.58	Si
612	5X/2Y Ø8/10	1190	-120250	SLD 13	22477	55098	58834	2.5	46.3	-1549	-119299	SLD 9	22496	57236	65483	2.5	36.95	Si
641	5X/2Y Ø8/10	1190	-120098	SLD 13	22477	55098	58834	2.5	46.3	-1549	-119146	SLD 9	22496	57236	65483	2.5	36.95	Si
670	5X/2Y Ø8/10	1190	-119946	SLD 13	22477	55098	58834	2.5	46.3	-1549	-118994	SLD 9	22496	57236	65483	2.5	36.95	Si
690	5X/2Y Ø8/10	1145	-94924	SLD 13	19266	55098	50429	2.5	44.04	-1828	-93452	SLD 5	19239	48385	55356	2.5	26.47	Si
719	5X/2Y Ø8/10	1145	-94796	SLD 13	19266	55098	50429	2.5	44.04	-1828	-93324	SLD 5	19221	48385	55356	2.5	26.47	Si
748	5X/2Y Ø8/10	1145	-94665	SLD 13	19266	55098	50429	2.5	44.04	-1828	-93194	SLD 5	19203	48385	55356	2.5	26.47	Si
777	5X/2Y Ø8/14.4	1145	-94535	SLD 13	19266	38145	50429	2.5	33.31	-1828	-93063	SLD 5	19185	33497	55356	2.5	18.33	Si
806	5X/2Y Ø8/14.4	1145	-94404	SLD 13	19266	38145	50429	2.5	33.31	-1828	-92933	SLD 5	19168	33497	55356	2.5	18.33	Si
835	5X/2Y Ø8/14.4	1145	-94274	SLD 13	19266	38145	50429	2.5	33.31	-1828	-92802	SLD 5	19150	33497	55356	2.5	18.33	Si
864	5X/2Y Ø8/14.4	1145	-94143	SLD 13	19266	38145	50429	2.5	33.31	-1828	-92672	SLD 5	19132	33497	55356	2.5	18.33	Si
893	5X/2Y Ø8/14.4	1145	-94013	SLD 13	19266	38145	50429	2.5	33.31	-1828	-92541	SLD 5	19114	33497	55356	2.5	18.33	Si
922	5X/2Y Ø8/10	1145	-93882	SLD 13	19255	55098	50429	2.5	44.04	-1828	-92411	SLD 5	19096	48385	55356	2.5	26.47	Si
951	5X/2Y Ø8/10	1145	-93752	SLD 13	19239	55098	50429	2.5	44.04	-1828	-92280	SLD 5	19078	48385	55356	2.5	26.47	Si
980	5X/2Y Ø8/10	1145	-93621	SLD 13	19222	55098	50429	2.5	44.04	-1828	-92150	SLD 5	19061	48385	55356	2.5	26.47	Si
1000	4X/2Y Ø8/10	945	-67726	SLD 13	14737	44078	42024	2.5	44.48	-1154	-66757	SLD 9	14550	39534	45230	2.5	34.26	Si
1029	4X/2Y Ø8/10	945	-67619	SLD 13	14724	44078	42024	2.5	44.48	-1154	-66650	SLD 9	14536	39534	45230	2.5	34.26	Si
1058	4X/2Y Ø8/10	945	-67510	SLD 13	14710	44078	42024	2.5	44.48	-1154	-66542	SLD 9	14521	39534	45230	2.5	34.26	Si
1087	4X/2Y Ø8/14.4	945	-67401	SLD 13	14697	30516	42024	2.5	32.3	-1154	-66433	SLD 9	14506	27370	45230	2.5	23.72	Si
1116	4X/2Y Ø8/14.4	945	-67293	SLD 13	14683	30516	42024	2.5	32.3	-1154	-66324	SLD 9	14492	27370	45230	2.5	23.72	Si
1145	4X/2Y Ø8/14.4	945	-67184	SLD 13	14670	30516	42024	2.5	32.3	-1154	-66215	SLD 9	14477	27370	45230	2.5	23.72	Si
1174	4X/2Y Ø8/14.4	945	-67075	SLD 13	14656	30516	42024	2.5	32.3	-1154	-66107	SLD 9	14463	27370	45230	2.5	23.72	Si
1203	4X/2Y Ø8/14.4	945	-66966	SLD 13	14643	30516	42024	2.5	32.3	-1154	-65998	SLD 9	14448	27370	45230	2.5	23.72	Si
1232	4X/2Y Ø8/10	945	-66858	SLD 13	14629	44078	42024	2.5	44.48	-1154	-65889	SLD 9	14434	39534	45230	2.5	34.26	Si
1261	4X/2Y Ø8/10	945	-66749	SLD 13	14616	44078	42024	2.5	44.48	-1154	-65780	SLD 9	14419	39534	45230	2.5	34.26	Si
1290	4X/2Y Ø8/10	945	-66642	SLD 13	14602	44078	42024	2.5	44.48	-1154	-65673	SLD 9	14405	39534	45230	2.5	34.26	Si
1310	4X/2Y Ø8/10	-999	-37469	SLD 3	10970	44078	38445	2.5	38.47	-2138	-37531	SLD 5	10634	39534	41387	2.5	18.49	Si
1339	4X/2Y Ø8/10	-999	-37360	SLD 3	10957	44078	38431	2.5	38.46	-2138	-37423	SLD 5	10619	39534	41371	2.5	18.49	Si
1368	4X/2Y Ø8/10	-999	-37251	SLD 3	10943	44078	38417	2.5	38.45	-2138	-37314	SLD 5	10605	39534	41356	2.5	18.49	Si

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1397	4X/2Y Ø8/14.4	-999	-37143	SLD 3	10930	30516	38403	2.5	30.54	-2138	-37205	SLD 5	10590	27370	41341	2.5	12.8	Si
1426	4X/2Y Ø8/14.4	-999	-37034	SLD 3	10916	30516	38389	2.5	30.54	-2138	-37096	SLD 5	10575	27370	41326	2.5	12.8	Si
1455	4X/2Y Ø8/14.4	-999	-36925	SLD 3	10903	30516	38375	2.5	30.54	-2138	-36988	SLD 5	10561	27370	41311	2.5	12.8	Si
1484	4X/2Y Ø8/14.4	-999	-36816	SLD 3	10889	30516	38361	2.5	30.54	-2138	-36879	SLD 5	10546	27370	41296	2.5	12.8	Si
1513	4X/2Y Ø8/14.4	-999	-36708	SLD 3	10875	30516	38347	2.5	30.54	-2138	-36770	SLD 5	10532	27370	41281	2.5	12.8	Si
1542	4X/2Y Ø8/10	-999	-36599	SLD 3	10862	44078	38333	2.5	38.36	-2138	-36661	SLD 5	10517	39534	41266	2.5	18.49	Si
1571	4X/2Y Ø8/10	-999	-36490	SLD 3	10848	44078	38319	2.5	38.35	-2138	-36553	SLD 5	10503	39534	41251	2.5	18.49	Si
1600	4X/2Y Ø8/10	-999	-36383	SLD 3	10835	44078	38305	2.5	38.33	-2138	-36446	SLD 5	10488	39534	41236	2.5	18.49	Si
1620	4X/2Y Ø8/10	2226	-16601	SLD 13	8372	44078	35758	2.5	16.06	-1663	-14769	SLD 5	7584	39534	38231	2.5	22.99	Si
1649	4X/2Y Ø8/10	2226	-16492	SLD 13	8359	44078	35744	2.5	16.05	-1663	-14660	SLD 5	7569	39534	38216	2.5	22.98	Si
1678	4X/2Y Ø8/10	2226	-16383	SLD 13	8345	44078	35730	2.5	16.05	-1663	-14551	SLD 5	7554	39534	38201	2.5	22.97	Si
1707	4X/2Y Ø8/14.4	2226	-16274	SLD 13	8332	30516	35716	2.5	13.71	-1663	-14442	SLD 5	7540	27370	38186	2.5	16.46	Si
1736	4X/2Y Ø8/14.4	2226	-16166	SLD 13	8318	30516	35702	2.5	13.71	-1663	-14334	SLD 5	7525	27370	38171	2.5	16.46	Si
1765	4X/2Y Ø8/14.4	2226	-16057	SLD 13	8304	30516	35688	2.5	13.71	-1663	-14225	SLD 5	7511	27370	38156	2.5	16.46	Si
1794	4X/2Y Ø8/14.4	2226	-15948	SLD 13	8291	30516	35674	2.5	13.71	-1663	-14116	SLD 5	7496	27370	38141	2.5	16.46	Si
1823	4X/2Y Ø8/14.4	2226	-15839	SLD 13	8277	30516	35660	2.5	13.71	-1663	-14007	SLD 5	7482	27370	38126	2.5	16.46	Si
1852	4X/2Y Ø8/10	2226	-15731	SLD 13	8264	44078	35646	2.5	16.01	-1663	-13899	SLD 5	7467	39534	38111	2.5	22.92	Si
1881	4X/2Y Ø8/10	2226	-15622	SLD 13	8250	44078	35632	2.5	16	-1663	-13790	SLD 5	7452	39534	38096	2.5	22.91	Si
1910	4X/2Y Ø8/10	2226	-15515	SLD 13	8237	44078	35618	2.5	16	-1663	-13683	SLD 5	7438	39534	38081	2.5	22.9	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	64675	-53379	-171043	SLE RA 12	-75.9	64675	-53379	-171043	SLE RA 12	-1110.9	Si
-111	59518	-47688	-170891	SLE RA 12	-75.2	59518	-47688	-170891	SLE RA 12	-1103.4	Si
-81	54271	-41899	-170737	SLE RA 12	-74.5	54271	-41899	-170737	SLE RA 12	-1095.8	Si
-52	49025	-36109	-170582	SLE RA 12	-73.8	49025	-36109	-170582	SLE RA 12	-1088.2	Si
-22	43778	-30320	-170428	SLE RA 12	-73.1	43778	-30320	-170428	SLE RA 12	-1080.5	Si
7	38531	-24530	-170273	SLE RA 12	-72.4	38531	-24530	-170273	SLE RA 12	-1072.9	Si
36	33285	-18741	-170119	SLE RA 12	-71.7	33285	-18741	-170119	SLE RA 12	-1065.3	Si
66	28038	-12951	-169965	SLE RA 12	-71	28038	-12951	-169965	SLE RA 12	-1057.7	Si
95	22791	-7162	-169810	SLE RA 12	-70.3	22791	-7162	-169810	SLE RA 12	-1050.1	Si
125	17545	-1373	-169656	SLE RA 12	-69.6	17545	-1373	-169656	SLE RA 12	-1042.5	Si
154	12298	4417	-169501	SLE RA 12	-69.6	12298	4417	-169501	SLE RA 12	-1041.5	Si
184	7051	10206	-169347	SLE RA 12	-69.8	7051	10206	-169347	SLE RA 12	-1042.6	Si
213	-16451	14419	-169107	SLE RA 13	-70.4	-16451	14419	-169107	SLE RA 13	-1048.5	Si
242	-23815	19612	-168954	SLE RA 13	-71	-23815	19612	-168954	SLE RA 13	-1054.7	Si
272	-31250	24857	-168800	SLE RA 13	-71.6	-31250	24857	-168800	SLE RA 13	-1061	Si
301	-38686	30101	-168645	SLE RA 13	-72.2	-38686	30101	-168645	SLE RA 13	-1067.3	Si
331	-46121	35346	-168491	SLE RA 13	-72.8	-46121	35346	-168491	SLE RA 13	-1073.6	Si
360	-53431	40501	-168339	SLE RA 13	-73.4	-53431	40501	-168339	SLE RA 13	-1079.7	Si
380	150600	-17302	-138992	SLE RA 12	-63	150600	-17302	-138992	SLE RA 12	-926.3	Si
409	124901	-12892	-138840	SLE RA 12	-61.7	124901	-12892	-138840	SLE RA 12	-910.7	Si
438	99201	-8482	-138688	SLE RA 12	-60.4	99201	-8482	-138688	SLE RA 12	-895.1	Si
467	73502	-4072	-138535	SLE RA 12	-59.1	73502	-4072	-138535	SLE RA 12	-879.6	Si
496	47803	338	-138383	SLE RA 12	-57.9	47803	338	-138383	SLE RA 12	-864.5	Si
525	22103	4748	-138231	SLE RA 12	-57.3	22103	4748	-138231	SLE RA 12	-855.5	Si
554	-6569	8951	-138066	SLE RA 13	-57	-6569	8951	-138066	SLE RA 13	-850.9	Si
583	-29295	13568	-137926	SLE RA 12	-58.1	-29295	13568	-137926	SLE RA 12	-863.5	Si
612	-54994	17978	-137774	SLE RA 12	-59.3	-54994	17978	-137774	SLE RA 12	-877.2	Si
641	-80694	22388	-137622	SLE RA 12	-60.3	-80694	22388	-137622	SLE RA 12	-889.5	Si
670	-106393	26799	-137470	SLE RA 12	-58.9	-106393	26799	-137470	SLE RA 12	-865.1	Si
690	150413	-21331	-109401	SLE RA 13	-59.5	150413	-21331	-109401	SLE RA 13	-863.5	Si
719	122859	-15834	-109273	SLE RA 13	-58.6	122859	-15834	-109273	SLE RA 13	-855.5	Si
748	94821	-10241	-109142	SLE RA 13	-57.4	94821	-10241	-109142	SLE RA 13	-843.4	Si
777	66784	-4648	-109012	SLE RA 13	-55.5	66784	-4648	-109012	SLE RA 13	-821.2	Si
806	38746	944	-108881	SLE RA 13	-53.7	38746	944	-108881	SLE RA 13	-800.6	Si
835	10708	6537	-108751	SLE RA 13	-52.9	10708	6537	-108751	SLE RA 13	-788.2	Si
864	-25911	12232	-108644	SLE RA 12	-54	-25911	12232	-108644	SLE RA 12	-801.4	Si
893	-54661	18116	-108513	SLE RA 12	-55.9	-54661	18116	-108513	SLE RA 12	-822.5	Si
922	-83411	24000	-108383	SLE RA 12	-57.7	-83411	24000	-108383	SLE RA 12	-843.5	Si
951	-112161	29884	-108252	SLE RA 12	-59.4	-112161	29884	-108252	SLE RA 12	-862.9	Si
980	-140911	35768	-108122	SLE RA 12	-58.2	-140911	35768	-108122	SLE RA 12	-840.1	Si
1000	95945	-18606	-78918	SLE RA 12	-52.2	95945	-18606	-78918	SLE RA 12	-752.2	Si
1029	79833	-15782	-78811	SLE RA 12	-50.8	79833	-15782	-78811	SLE RA 12	-735.6	Si
1058	63438	-12909	-78702	SLE RA 12	-49.3	63438	-12909	-78702	SLE RA 12	-718.8	Si
1087	47043	-10036	-78593	SLE RA 12	-47.8	47043	-10036	-78593	SLE RA 12	-701.9	Si
1116	30648	-7162	-78484	SLE RA 12	-46.4	30648	-7162	-78484	SLE RA 12	-685.1	Si
1145	14253	-4289	-78376	SLE RA 12	-44.9	14253	-4289	-78376	SLE RA 12	-668.2	Si
1174	-2810	-1303	-78253	SLE RA 13	-43.8	-2810	-1303	-78253	SLE RA 13	-655.1	Si
1203	-19243	1459	-78144	SLE RA 13	-44.8	-19243	1459	-78144	SLE RA 13	-667.4	Si
1232	-35677	4221	-78035	SLE RA 13	-46.2	-35677	4221	-78035	SLE RA 13	-682.3	Si
1261	-52110	6984	-77927	SLE RA 13	-47.5	-52110	6984	-77927	SLE RA 13	-697.3	Si
1290	-68261	9698	-77820	SLE RA 13	-48.8	-68261	9698	-77820	SLE RA 13	-712	Si
1310	106831	33035	-45205	SLE RA 12	-35.8	106831	33035	-45205	SLE RA 12	-494.9	Si
1339	73913	20832	-45096	SLE RA 12	-32.8	73913	20832	-45096	SLE RA 12	-463.9	Si
1368	40995	8628	-44988	SLE RA 12	-29.6	40995	8628	-44988	SLE RA 12	-429.9	Si
1397	8077	-3575	-44879	SLE RA 12	-26.7	8077	-3575	-44879	SLE RA 12	-397	Si
1426	-26994	-15219	-44759	SLE RA 13	-29.2	-26994	-15219	-44759	SLE RA 13	-423.7	Si
1455	-58281	-27810	-44650	SLE RA 13	-32.7	-58281	-27810	-44650	SLE RA 13	-461.5	Si
1484	-90678	-40184	-44553	SLE RA 12	-36.2	-90678	-40184	-44553	SLE RA 12	-500.1	Si
1513	-123596	-52388	-44444	SLE RA 12	-39.8	-123596	-52388	-44444	SLE RA 12	-538.8	Si
1542	-156514	-64591	-44335	SLE RA 12	-43.3	-156514	-64591	-44335	SLE RA 12	-577.5	Si
1571	-189432	-76794	-44226	SLE RA 12	-46.9	-189432	-76794	-44226	SLE RA 12	-616.2	Si
1600	-221783	-88787	-44119	SLE RA 12	-50.4	-221783	-88787	-44119	SLE RA 12	-654.3	Si
1620	188820	-126389	-18819	SLE RA 10	-43.2	188820	-126389	-18819	SLE RA 10	-500.4	Si
1649	160774	-75090	-18705	SLE RA 11	-30.1	160774	-75090	-18705	SLE RA 11	-371.4	Si
1678	131482	-24793	-18597	SLE RA 11	-22.4	131482	-24793	-18597	SLE RA 11	-293	Si
1707	107843	33830	-18588	SLE RA 13	-21.8	107843	33830	-18588	SLE RA 13	-283.5	Si
1736	77546	83274	-18479	SLE RA 13	-25.1	77546	83274	-18479	SLE RA 13	-310.9	Si
1765	47250	132718	-18370	SLE RA 13	-28.5	47250	132718	-18370	SLE RA 13	-338.4	Si
1794	16953	182162	-18262	SLE RA 13	-31.8	16953	182162	-18262	SLE RA 13	-365.8	Si
1823	-15908	232525	-18157	SLE RA 12	-45.6	-15908	232525	-18157	SLE RA 12	-459.1	Si
1852	-46393	282243	-18049	SLE RA 12	-59.4	-46393	282243	-18049	SLE RA 12	674.5	Si
1881	-76878	331961	-17940	SLE RA 12	-73.6	-76878	331961	-17940	SLE RA 12	995.2	Si
1910	-106838	380822	-17833	SLE RA 12	-87.7	-106838	380822	-17833	SLE RA 12	1323.7	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	18255	-44360	-149443	SLE QP 2	-64.8	Si
-111	16772	-39601	-149291	SLE QP 2	-64.3	Si
-81	15264	-34760	-149137	SLE QP 2	-63.8	Si
-52	13755	-29918	-148982	SLE QP 2	-63.3	Si
-22	12247	-25077	-148828	SLE QP 2	-62.8	Si
7	10738	-20236	-148673	SLE QP 2	-62.3	Si
36	9230	-15395	-148519	SLE QP 2	-61.8	Si
66	7722	-10554	-148365	SLE QP 2	-61.4	Si
95	6213	-5713	-148210	SLE QP 2	-60.9	Si
125	4705	-871	-148056	SLE QP 2	-60.4	Si
154	3196	3970	-147901	SLE QP 2	-60.5	Si
184	1688	8811	-147747	SLE QP 2	-60.8	Si
213	165	13699	-147591	SLE QP 2	-61	Si
242	-1329	18493	-147438	SLE QP 2	-61.4	Si
272	-2838	23334	-147284	SLE QP 2	-61.7	Si
301	-4346	28176	-147129	SLE QP 2	-62.1	Si
331	-5854	33017	-146975	SLE QP 2	-62.5	Si
360	-7337	37776	-146823	SLE QP 2	-62.8	Si
380	128638	-13008	-120683	SLE QP 2	-54.5	Si
409	107241	-9504	-120531	SLE QP 2	-53.4	Si
438	85845	-5999	-120379	SLE QP 2	-52.3	Si
467	64448	-2494	-120227	SLE QP 2	-51.3	Si
496	43052	1010	-120074	SLE QP 2	-50.3	Si
525	21655	4515	-119922	SLE QP 2	-49.8	Si
554	259	8020	-119770	SLE QP 2	-49.3	Si
583	-21138	11524	-119618	SLE QP 2	-50.2	Si
612	-42534	15029	-119465	SLE QP 2	-51.2	Si
641	-63931	18534	-119313	SLE QP 2	-52	Si
670	-85327	22038	-119161	SLE QP 2	-50.7	Si
690	116525	-17761	-94158	SLE QP 2	-50.5	Si
719	93923	-13304	-94030	SLE QP 2	-49.8	Si
748	70925	-8768	-93899	SLE QP 2	-48.8	Si
777	47926	-4232	-93769	SLE QP 2	-47.3	Si
806	24928	303	-93638	SLE QP 2	-45.8	Si
835	1929	4839	-93508	SLE QP 2	-45	Si
864	-21069	9375	-93377	SLE QP 2	-46.3	Si
893	-44067	13911	-93247	SLE QP 2	-47.7	Si
922	-67066	18447	-93116	SLE QP 2	-49.2	Si
951	-90064	22982	-92986	SLE QP 2	-50.5	Si
980	-113063	27518	-92855	SLE QP 2	-49.3	Si
1000	75601	-17928	-66933	SLE QP 2	-44.1	Si
1029	63059	-14595	-66826	SLE QP 2	-42.9	Si
1058	50296	-11203	-66718	SLE QP 2	-41.6	Si
1087	37534	-7811	-66609	SLE QP 2	-40.3	Si
1116	24772	-4420	-66500	SLE QP 2	-39	Si
1145	12009	-1028	-66391	SLE QP 2	-37.8	Si
1174	-753	2364	-66283	SLE QP 2	-37.1	Si
1203	-13515	5756	-66174	SLE QP 2	-38.2	Si
1232	-26278	9147	-66065	SLE QP 2	-39.4	Si
1261	-39040	12539	-65956	SLE QP 2	-40.6	Si
1290	-51582	15872	-65849	SLE QP 2	-41.7	Si
1310	81337	10650	-38364	SLE QP 2	-27.9	Si
1339	55520	4378	-38255	SLE QP 2	-25.9	Si
1368	29703	-1895	-38146	SLE QP 2	-24.2	Si
1397	3886	-8167	-38037	SLE QP 2	-23	Si
1426	-21930	-14439	-37929	SLE QP 2	-24.9	Si
1455	-47747	-20712	-37820	SLE QP 2	-27.3	Si
1484	-73564	-26984	-37711	SLE QP 2	-29.7	Si
1513	-99381	-33256	-37602	SLE QP 2	-32.1	Si
1542	-125198	-39528	-37494	SLE QP 2	-34.5	Si
1571	-151015	-45801	-37385	SLE QP 2	-36.9	Si
1600	-176386	-51965	-37278	SLE QP 2	-39.2	Si
1620	158388	-103182	-15653	SLE QP 2	-31.3	Si
1649	134155	-62555	-15544	SLE QP 2	-25	Si
1678	109923	-21928	-15435	SLE QP 2	-18.8	Si
1707	85690	18699	-15326	SLE QP 2	-16.7	Si
1736	61458	59326	-15218	SLE QP 2	-19.5	Si
1765	37225	99953	-15109	SLE QP 2	-22.3	Si
1794	12992	140580	-15000	SLE QP 2	-25.1	Si
1823	-11240	181207	-14891	SLE QP 2	-29.4	Si
1852	-35473	221834	-14783	SLE QP 2	-46.4	Si
1881	-59706	262461	-14674	SLE QP 2	-57.9	Si
1910	-83521	302387	-14567	SLE QP 2	-69.4	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-140	-832	-40258	-140566										No	Si
-111	-811	-35921	-140414										No	Si
-81	-791	-31509	-140260										No	Si
-52	-770	-27098	-140105										No	Si
-22	-749	-22686	-139951										No	Si
7	-728	-18275	-139797										No	Si
36	-708	-13863	-139642										No	Si
66	-687	-9451	-139488										No	Si
95	-666	-5040	-139333										No	Si
125	-646	-628	-139179										No	Si
154	-625	3783	-139024										No	Si
184	-604	8195	-138870										No	Si
213	-584	12649	-138714										No	Si
242	-563	17018	-138561										No	Si
272	-542	21430	-138407										No	Si
301	-522	25842	-138252										No	Si

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
331	-501	30253	-138098										No	Si
360	-481	34590	-137946										No	Si
380	119212	-10995	-113223										No	Si
409	99651	-7909	-113071										No	Si
438	80090	-4822	-112919										No	Si
467	60530	-1736	-112766										No	Si
496	40969	1350	-112614										No	Si
525	21409	4436	-112462										No	Si
554	1848	7522	-112310										No	Si
583	-17713	10608	-112157										No	Si
612	-37273	13694	-112005										No	Si
641	-56834	16780	-111853										No	Si
670	-76394	19866	-111701										No	Si
690	104174	-15273	-88008										No	Si
719	83934	-11446	-87880										No	Si
748	63339	-7551	-87750										No	Si
777	42744	-3657	-87619										No	Si
806	22149	238	-87489										No	Si
835	1554	4132	-87358										No	Si
864	-19040	8027	-87228										No	Si
893	-39635	11921	-87097										No	Si
922	-60230	15816	-86967										No	Si
951	-80825	19710	-86836										No	Si
980	-101420	23605	-86706										No	Si
1000	67099	-17739	-62198										No	Si
1029	56087	-14106	-62091										No	Si
1058	44882	-10409	-61982										No	Si
1087	33677	-6712	-61874										No	Si
1116	22472	-3015	-61765										No	Si
1145	11266	682	-61656										No	Si
1174	61	4379	-61547										No	Si
1203	-11144	8076	-61439										No	Si
1232	-22349	11773	-61330										No	Si
1261	-33555	15470	-61221										No	Si
1290	-44567	19103	-61114										No	Si
1310	71650	3553	-35826										No	Si
1339	48304	-1087	-35718										No	Si
1368	24959	-5727	-35609										No	Si
1397	1614	-10366	-35500										No	Si
1426	-21732	-15006	-35391										No	Si
1455	-45077	-19645	-35283										No	Si
1484	-68422	-24285	-35174										No	Si
1513	-91768	-28924	-35065										No	Si
1542	-115113	-33564	-34956										No	Si
1571	-138459	-38203	-34848										No	Si
1600	-161401	-42763	-34741										No	Si
1620	167083	-109813	-16557										No	Si
1649	141351	-66344	-16449										No	Si
1678	102731	-20129	-14075										No	Si
1707	79395	15859	-13970										No	Si
1736	63317	62315	-15258										No	Si
1765	38423	107529	-16014										No	Si
1794	12691	150997	-15905										No	Si
1823	-13041	194465	-15796										No	Si
1852	-38773	237933	-15687										No	Si
1881	-64506	281401	-15579										No	Si
1910	-89794	324120	-15472	SLE FR 6	-79757	287890	287890	1108.2	340.2	0.0236	28.61	0.0092	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-140	-832	-40258	-140566										No	Si
-111	-811	-35921	-140414										No	Si
-81	-791	-31509	-140260										No	Si
-52	-770	-27098	-140105										No	Si
-22	-749	-22686	-139951										No	Si
7	-728	-18275	-139797										No	Si
36	-708	-13863	-139642										No	Si
66	-687	-9451	-139488										No	Si
95	-666	-5040	-139333										No	Si
125	-646	-628	-139179										No	Si
154	-625	3783	-139024										No	Si
184	-604	8195	-138870										No	Si
213	-584	12649	-138714										No	Si
242	-563	17018	-138561										No	Si
272	-542	21430	-138407										No	Si
301	-522	25842	-138252										No	Si
331	-501	30253	-138098										No	Si
360	-481	34590	-137946										No	Si
380	119212	-10995	-113223										No	Si
409	99651	-7909	-113071										No	Si
438	80090	-4822	-112919										No	Si
467	60530	-1736	-112766										No	Si
496	40969	1350	-112614										No	Si
525	21409	4436	-112462										No	Si
554	1848	7522	-112310										No	Si
583	-17713	10608	-112157										No	Si
612	-37273	13694	-112005										No	Si
641	-56834	16780	-111853										No	Si
670	-76394	19866	-111701										No	Si
690	104174	-15273	-88008										No	Si
719	83934	-11446	-87880										No	Si
748	63339	-7551	-87750										No	Si
777	42744	-3657	-87619										No	Si
806	22149	238	-87489										No	Si
835	1554	4132	-87358										No	Si
864	-19040	8027	-87228										No	Si

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
893	-39635	11921	-87097										No	Si
922	-60230	15816	-86967										No	Si
951	-80825	19710	-86836										No	Si
980	-101420	23605	-86706										No	Si
1000	67099	-17739	-62198										No	Si
1029	56087	-14106	-62091										No	Si
1058	44882	-10409	-61982										No	Si
1087	33677	-6712	-61874										No	Si
1116	22472	-3015	-61765										No	Si
1145	11266	682	-61656										No	Si
1174	61	4379	-61547										No	Si
1203	-11144	8076	-61439										No	Si
1232	-22349	11773	-61330										No	Si
1261	-33555	15470	-61221										No	Si
1290	-44567	19103	-61114										No	Si
1310	71650	3553	-35826										No	Si
1339	48304	-1087	-35718										No	Si
1368	24959	-5727	-35609										No	Si
1397	1614	-10366	-35500										No	Si
1426	-21732	-15006	-35391										No	Si
1455	-45077	-19645	-35283										No	Si
1484	-68422	-24285	-35174										No	Si
1513	-91768	-28924	-35065										No	Si
1542	-115113	-33564	-34956										No	Si
1571	-138459	-38203	-34848										No	Si
1600	-161401	-42763	-34741										No	Si
1620	158388	-103182	-15653										No	Si
1649	134155	-62555	-15544										No	Si
1678	101379	-20506	-14078										No	Si
1707	79395	15859	-13970										No	Si
1736	61458	59326	-15218										No	Si
1765	37225	99953	-15109										No	Si
1794	12992	140580	-15000										No	Si
1823	-11240	181207	-14891										No	Si
1852	-35473	221834	-14783										No	Si
1881	-59706	262461	-14674										No	Si
1910	-83521	302387	-14567	SLE QP 2	-79758	288765	288765	1026.2	339.3	0.0237	28.58	0.0085	Si	Si

Verifiche nodi trave colonna

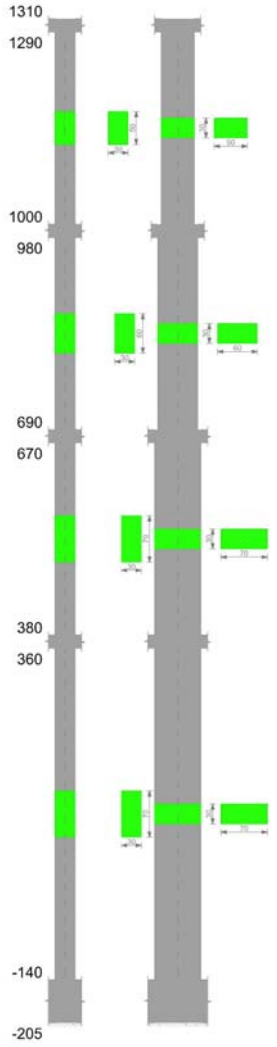
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.

Pilastro 57

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x70	No	No	No	No		C30/37	B450C	
380	670	R 30x70	No	No	No	No		C30/37	B450C	
690	980	R 30x60_1	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.67	-29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.67	29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.67	29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	-18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	-6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	-18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	-6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.2	-9.67	-29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.67	-29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.67	29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.67	29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	-18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	-6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	-18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	-6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	18.42	1.6	2.011	-140	380	R 30x70	B450C
p.3	-9.67	-29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	9.67	-29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	9.67	29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	-9.67	29.67	1.6	2.011	380	690	R 30x70	B450C
p.5	-9.9	-18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	-9.9	18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	9.9	-18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	9.9	18.42	1.6	2.011	380	690	R 30x70	B450C
p.6	-9.9	-6.14	1.6	2.011	380	690	R 30x70	B450C
p.6	-9.9	6.14	1.6	2.011	380	690	R 30x70	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	9.9	-6.14	1.6	2.011	380	690	R 30x70	B450C
p.6	9.9	6.14	1.6	2.011	380	690	R 30x70	B450C
p.7	-9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	-9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.9	-9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.9	-9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.9	9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.9	9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.10	-9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.10	9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.11	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.12	-9.9	-10.35	1.6	2.011	1000	1310	R 30x50	B450C
p.12	-9.9	0	1.6	2.011	1000	1310	R 30x50	B450C
p.12	-9.9	10.35	1.6	2.011	1000	1310	R 30x50	B450C
p.12	9.9	-10.35	1.6	2.011	1000	1310	R 30x50	B450C
p.12	9.9	0	1.6	2.011	1000	1310	R 30x50	B450C
p.12	9.9	10.35	1.6	2.011	1000	1310	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	2.3	0	1,2	524282	524282	-193284	967634	967634	SLU 52	1.846	Si
-111	24.13	2.3	0	1,2	523747	523747	-193086	967634	967634	SLU 52	1.848	Si
-81	24.13	1.1	0	2	523202	523202	-192886	967634	967634	SLU 52	1.849	Si
-52	24.13	1.1	0	2	522658	522658	-192685	967634	967634	SLU 52	1.851	Si
-22	24.13	1.1	0	2	522113	522113	-192484	967634	967634	SLU 52	1.853	Si
7	24.13	1.1	0	2	521569	521569	-192283	967634	967634	SLU 52	1.855	Si
36	24.13	1.1	0	2	521024	521024	-192083	967634	967634	SLU 52	1.857	Si
66	24.13	1.1	0	2	-520480	520480	-191882	-967634	967634	SLU 52	1.859	Si
95	24.13	1.1	0	2	-519935	519935	-191681	-967634	967634	SLU 52	1.861	Si
125	24.13	1.1	0	2	-519391	519391	-191481	-967634	967634	SLU 52	1.863	Si
154	24.13	1.1	0	2	-518846	-518846	-191280	-967634	-967634	SLU 52	1.865	Si
184	24.13	1.1	0	2	-518302	-518302	-191079	-967634	-967634	SLU 52	1.867	Si
213	24.13	1.1	0	2	-517752	-517752	-190876	-967634	-967634	SLU 52	1.869	Si
242	24.13	1.1	0	2	-517213	-517213	-190678	-967634	-967634	SLU 52	1.871	Si
272	24.13	1.1	0	2	-516668	-516668	-190477	-967634	-967634	SLU 52	1.873	Si
301	24.13	1.1	0	2	-516124	-516124	-190276	-967634	-967634	SLU 52	1.875	Si
331	24.13	1.1	0	2	-515579	-515579	-190075	-967634	-967634	SLU 52	1.877	Si
360	24.13	1.1	0	2	-515044	-515044	-189878	-967634	-967634	SLU 52	1.879	Si
380	24.13	2.3	0	2,3,5,6	-309950	309950	-154975	-763108	763108	SLU 52	2.462	Si
409	24.13	2.3	0	2,3,5,6	-309554	309554	-154777	-763108	763108	SLU 52	2.465	Si
438	24.13	1.1	0	3,5,6	-309158	309158	-154579	-763108	763108	SLU 52	2.468	Si
467	24.13	1.1	0	3,5,6	-308763	308763	-154381	-763108	763108	SLU 52	2.472	Si
496	24.13	1.1	0	3,5,6	-308367	308367	-154183	-763108	763108	SLU 52	2.475	Si
525	24.13	1.1	0	3,5,6	-307971	307971	-153985	-763108	763108	SLU 52	2.478	Si
554	24.13	1.1	0	3,5,6	-307575	-307575	-153788	-763108	-763108	SLU 52	2.481	Si
583	24.13	1.1	0	3,5,6	-307179	-307179	-153590	-763108	-763108	SLU 52	2.484	Si
612	24.13	1.1	0	3,5,6	-306783	-306783	-153392	-763108	-763108	SLU 52	2.487	Si
641	24.39	1.5	0	3,4,5,6	-306387	-306387	-153194	-764835	-764835	SLU 52	2.496	Si
670	31.44	1.9	0	3,4,5,6	-305992	-305992	-152996	-811233	-811233	SLU 52	2.651	Si
690	24.13	2.5	0	4,5,6,7,9,10	237531	237531	-118765	673235	673235	SLU 52	2.834	Si
719	21.83	2.5	0	4,5,6,7,9,10	237197	237197	-118599	658510	658510	SLU 52	2.776	Si
748	20.11	1.1	0	7,9,10	236858	236858	-118429	647491	647491	SLU 52	2.734	Si
777	20.11	1.1	0	7,9,10	236519	236519	-118259	647491	647491	SLU 52	2.738	Si
806	20.11	1.1	0	7,9,10	-236179	236179	-118090	-647491	647491	SLU 52	2.742	Si
835	20.11	1.1	0	7,9,10	-235840	235840	-117920	-647491	647491	SLU 52	2.745	Si
864	20.11	1.1	0	7,9,10	-235501	-235501	-117750	-647491	-647491	SLU 52	2.749	Si
893	20.11	1.1	0	7,9,10	-235162	-235162	-117581	-647491	-647491	SLU 52	2.753	Si
922	20.11	1.1	0	7,9,10	-234822	-234822	-117411	-647491	-647491	SLU 52	2.757	Si
951	20.37	1.6	0	7,8,9,10	-234483	-234483	-117241	-649217	-649217	SLU 52	2.769	Si
980	27.42	2	0	7,8,9,10	-234144	-234144	-117072	-695580	-695580	SLU 52	2.971	Si
1000	20.11	2.7	0	8,9,10,11,12	165794	165794	-82897	556148	556148	SLU 52	3.354	Si
1029	20.11	2.7	0	8,9,10,11,12	165516	165516	-82758	556148	556148	SLU 52	3.36	Si
1058	20.11	1.3	0	11,12	165233	165233	-82617	556148	556148	SLU 52	3.366	Si
1087	20.11	1.3	0	11,12	164950	164950	-82475	556148	556148	SLU 52	3.372	Si
1116	20.11	1.3	0	11,12	164668	164668	-82334	556148	556148	SLU 52	3.377	Si
1145	20.11	1.3	0	11,12	-164385	-164385	-82192	-556148	-556148	SLU 52	3.383	Si
1174	20.11	1.3	0	11,12	-164102	-164102	-82051	-556148	-556148	SLU 52	3.389	Si
1203	20.11	1.3	0	11,12	-163819	-163819	-81910	-556148	-556148	SLU 52	3.395	Si
1232	20.11	1.3	0	11,12	-163537	-163537	-81768	-556148	-556148	SLU 52	3.401	Si
1261	20.11	1.3	0	11,12	-163098	-183099	-81549	-545826	-612761	SLU 51	3.347	Si
1290	27.63	2.7	0	11,12	-162815	-220241	-81408	-573291	-775492	SLU 51	3.521	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	24.13	2.3	0	1,2	-2083898	152128	-120791	-2.02	1.92	-3391311	247571	SLV 3	1.627				Si
-111	24.13	2.3	0	1,2	-1929673	137261	-120639	-2.02	1.92	-3342213	237738	SLV 3	1.732				Si
-81	24.13	1.1	0	2	-1772804	122138	-120485	-2.02	1.92	-3271882	225417	SLV 3	1.846				Si
-52	24.13	1.1	0	2	-1615971	107015	-120330	-2.02	1.92	-3176841	210381	SLV 3	1.966				Si
-22	24.13	1.1	0	2	-1459183	91894	-120176	-2.02	1.92	-3053668	192308	SLV 3	2.093				Si
7	24.13	1.1	0	2	-1302455	76773	-120022	-2.02	1.92	-2898269	170839	SLV 3	2.225				Si
36	24.13	1.1	0	2	-1145817	61656	-119867	-2.02	1.92	-2706949	145660	SLV 3	2.362				Si
66	24.13	1.1	0	2	-989319	46545	-119713	-2.02	1.92	-2479645	116660	SLV 3	2.506				Si
95	24.13	1.1	0	2	-833036	31447	-119558	-2.02	1.92	-2220196	83813	SLV 3	2.665				Si
125	24.13	1.1	0	2	-677132	16403	-119404	-2.02	1.92	-1926236	46663	SLV 3	2.845				Si
154	24.13	1.1	0	2	-522087	-6339	-119250	-2.02	1.92	-1587063	-19269	SLV 3	3.04				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
184	24.13	1.1	0	2	-283618	-21709	-120253	-2.02	1.92	-912203	-69823	SLV 1	3.216				Si
213	24.13	1.1	0	2	-176340	-49802	-120097	-2.02	1.92	-567900	-160385	SLV 1	3.22				Si
242	24.13	1.1	0	2	-5161	-78391	-119944	-2.02	1.92	-16642	-252779	SLV 1	3.225				Si
272	24.13	1.1	0	2	133216	-107343	-119790	-2.02	1.92	430119	-346582	SLV 1	3.229				Si
301	24.13	1.1	0	2	280637	-136325	-119635	-2.02	1.92	852188	-413967	SLV 1	3.037				Si
331	24.13	1.1	0	2	434501	-165322	-119481	-2.02	1.92	1224215	-465798	SLV 1	2.818				Si
360	24.13	1.1	0	2	587209	-193833	-119329	-2.02	1.92	1543370	-509455	SLV 1	2.628				Si
380	24.13	2.3	0	2,3,5,6	-240881	305108	-96524	-2.02	1.92	-749840	949775	SLV 1	3.113				Si
409	24.13	2.3	0	2,3,5,6	-191576	246459	-96372	-2.02	1.92	-640359	823808	SLV 1	3.343				Si
438	24.13	1.1	0	3,5,6	-145529	187829	-96220	-2.02	1.92	-524473	676919	SLV 1	3.604				Si
467	24.13	1.1	0	3,5,6	-107801	129246	-96068	-2.02	1.92	-420033	503590	SLV 1	3.896				Si
496	24.13	1.1	0	3,5,6	-93086	70838	-95915	-2.02	1.92	-375360	285649	SLV 1	4.032				Si
525	24.13	1.1	0	3,5,6	134613	15758	-95763	-2.02	1.92	543681	63646	SLV 1	4.039				Si
554	24.13	1.1	0	3,5,6	141795	-48020	-95611	-2.02	1.92	573596	-194252	SLV 1	4.045				Si
583	24.13	1.1	0	3,5,6	167651	-106166	-95459	-2.02	1.92	656094	-415475	SLV 1	3.913				Si
612	24.13	1.1	0	3,5,6	216175	-164709	-95306	-2.02	1.92	781352	-595329	SLV 1	3.614				Si
641	24.39	1.5	0	3,4,5,6	266620	-223325	-95154	-2.02	1.92	896371	-750814	SLV 1	3.362				Si
670	31.44	1.9	0	3,4,5,6	318061	-281969	-95002	-2.02	1.92	1056219	-936363	SLV 1	3.321				Si
690	24.13	2.5	0	4,5,6,7,9,10	-302379	258231	-72526	-2.02	1.92	-988808	844442	SLV 1	3.27				Si
719	21.83	2.5	0	4,5,6,7,9,10	-241995	206537	-72398	-2.02	1.92	-851810	727000	SLV 1	3.52				Si
748	20.11	1.1	0	7,9,10	-181628	153964	-72267	-2.02	1.92	-693965	588268	SLV 1	3.821				Si
777	20.11	1.1	0	7,9,10	-124303	101470	-72137	-2.02	1.92	-527328	430465	SLV 1	4.242				Si
806	20.11	1.1	0	7,9,10	-80455	49394	-72006	-2.02	1.92	-367903	225871	SLV 1	4.573				Si
835	20.11	1.1	0	7,9,10	55894	-5218	-71876	-2.02	1.92	256056	-23905	SLV 1	4.581				Si
864	20.11	1.1	0	7,9,10	92772	-57479	-71745	-2.02	1.92	425772	-263794	SLV 1	4.589				Si
893	20.11	1.1	0	7,9,10	150099	-109828	-71615	-2.02	1.92	622625	-455577	SLV 1	4.148				Si
922	20.11	1.1	0	7,9,10	210474	-162365	-71484	-2.02	1.92	788693	-608419	SLV 1	3.747				Si
951	20.37	1.6	0	7,8,9,10	271925	-214952	-71354	-2.02	1.92	929351	-734637	SLV 1	3.418				Si
980	27.42	2	0	7,8,9,10	333875	-267560	-71223	-2.02	1.92	1111559	-890778	SLV 1	3.329				Si
1000	20.11	2.7	0	8,9,10,11,12	-215676	282501	-48863	-2.02	1.92	-689481	903110	SLV 1	3.197				Si
1029	20.11	2.7	0	8,9,10,11,12	-169748	221353	-48756	-2.02	1.92	-632804	825184	SLV 1	3.728				Si
1058	20.11	1.3	0	11,12	-123321	159177	-48647	-2.02	1.92	-536180	692077	SLV 1	4.348				Si
1087	20.11	1.3	0	11,12	-77832	97123	-48538	-2.02	1.92	-396622	494928	SLV 1	5.096				Si
1116	20.11	1.3	0	11,12	-43127	35735	-48430	-2.02	1.92	-256023	212144	SLV 1	5.937				Si
1145	20.11	1.3	0	11,12	31441	-33269	-48321	-2.02	1.92	187072	-197947	SLV 1	5.95				Si
1174	20.11	1.3	0	11,12	71396	-91275	-48212	-2.02	1.92	372454	-476152	SLV 1	5.217				Si
1203	20.11	1.3	0	11,12	116973	-153129	-48103	-2.02	1.92	520707	-681657	SLV 1	4.452				Si
1232	20.11	1.3	0	11,12	-259359	-165316	-46701	-2.02	1.92	-989307	-630587	SLV 9	3.814				Si
1261	20.11	1.3	0	11,12	-331032	-212890	-46592	-2.02	1.92	-1074903	-691279	SLV 9	3.247				Si
1290	27.63	2.7	0	11,12	-402882	-260478	-46483	-2.02	1.92	-1217388	-787086	SLV 9	3.022				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	2.3	0	1,2	-810372	75914	-118805	-2133767	199886	SLD 3	2.633	Si
-111	24.13	2.3	0	1,2	-753122	68410	-118653	-2033169	184684	SLD 3	2.7	Si
-81	24.13	1.1	0	2	-694898	60777	-118499	-1925502	168408	SLD 3	2.771	Si
-52	24.13	1.1	0	2	-636694	53144	-118344	-1812043	151250	SLD 3	2.846	Si
-22	24.13	1.1	0	2	-578517	45512	-118190	-1692298	133133	SLD 3	2.925	Si
7	24.13	1.1	0	2	-520376	37880	-118036	-1565731	113974	SLD 3	3.009	Si
36	24.13	1.1	0	2	-462289	30249	-117881	-1431851	93690	SLD 3	3.097	Si
66	24.13	1.1	0	2	-404286	22620	-117727	-1290017	72176	SLD 3	3.191	Si
95	24.13	1.1	0	2	-264599	28996	-118026	-867089	95018	SLD 1	3.277	Si
125	24.13	1.1	0	2	-223334	15980	-117872	-732823	52435	SLD 1	3.281	Si
154	24.13	1.1	0	2	-182408	-304	-117718	-599317	-1000	SLD 1	3.286	Si
184	24.13	1.1	0	2	-142370	-11167	-117563	-468384	-36737	SLD 1	3.29	Si
213	24.13	1.1	0	2	-105534	-23881	-117407	-347658	-78670	SLD 1	3.294	Si
242	24.13	1.1	0	2	-35308	-36793	-117254	-116466	-121365	SLD 1	3.299	Si
272	24.13	1.1	0	2	16833	-49871	-117100	55598	-164718	SLD 1	3.303	Si
301	24.13	1.1	0	2	70161	-62962	-116945	232042	-208234	SLD 1	3.307	Si
331	24.13	1.1	0	2	126725	-76061	-116791	419669	-251888	SLD 1	3.312	Si
360	24.13	1.1	0	2	-356574	46878	-113192	-1178607	154950	SLD 15	3.305	Si
380	24.13	2.3	0	2,3,5,6	75256	165497	-93941	290478	638799	SLD 5	3.86	Si
409	24.13	2.3	0	2,3,5,6	58387	133491	-93789	235511	538456	SLD 5	4.034	Si
438	24.13	1.1	0	3,5,6	-48974	94949	-94048	-201405	390477	SLD 1	4.112	Si
467	24.13	1.1	0	3,5,6	-43201	65203	-93896	-177953	268582	SLD 1	4.119	Si
496	24.13	1.1	0	3,5,6	-46141	35560	-93743	-190371	146715	SLD 1	4.126	Si
525	24.13	1.1	0	3,5,6	54860	7410	-93591	226712	30620	SLD 1	4.133	Si
554	24.13	1.1	0	3,5,6	46109	-24918	-93439	190857	-103144	SLD 1	4.139	Si
583	24.13	1.1	0	3,5,6	46606	-54416	-93287	193232	-225611	SLD 1	4.146	Si
612	24.13	1.1	0	3,5,6	57533	-84139	-93134	238926	-349416	SLD 1	4.153	Si
641	24.39	1.5	0	3,4,5,6	-187105	-92556	-91846	-761424	-376656	SLD 9	4.069	Si
670	31.44	1.9	0	3,4,5,6	-111825	-155147	-92419	-462855	-642168	SLD 5	4.139	Si
690	24.13	2.5	0	4,5,6,7,9,10	167026	113953	-70141	717161	489280	SLD 9	4.294	Si
719	21.83	2.5	0	4,5,6,7,9,10	-81697	109781	-70818	-362955	487721	SLD 1	4.443	Si
748	20.11	1.1	0	7,9,10	-65541	82648	-70688	-301880	380672	SLD 1	4.606	Si
777	20.11	1.1	0	7,9,10	-50969	55560	-70557	-237856	259280	SLD 1	4.667	Si
806	20.11	1.1	0	7,9,10	-42277	28707	-70427	-197659	134215	SLD 1	4.675	Si
835	20.11	1.1	0	7,9,10	13407	405	-70296	62801	1898	SLD 1	4.684	Si
864	20.11	1.1	0	7,9,10	18004	-26550	-70166	84486	-124592	SLD 1	4.693	Si
893	20.11	1.1	0	7,9,10	32392	-53555	-70035	152292	-251785	SLD 1	4.701	Si
922	20.11	1.1	0	7,9,10	-155217	-64643	-69099	-700899	-291904	SLD 9	4.516	Si
951	20.37	1.6	0	7,8,9,10	-193139	-86955	-68969	-827061	-372358	SLD 9	4.282	Si
980	27.42	2	0	7,8,9,10	-231499	-109279	-68838	-1006053	-474906	SLD 9	4.346	Si
1000	20.11	2.7	0	8,9,10,11,12	163938	135235	-47307	724795	597896	SLD 9	4.421	Si
1029	20.11	2.7	0	8,9,10,11,12	127687	104598	-47200	619467	507449	SLD 9	4.851	Si
1058	20.11	1.3	0	11,12	90995	73431	-47091	488981	394597	SLD 9	5.374	Si
1087	20.11	1.3	0	11,12	54861	42289	-46983	330103	254453	SLD 9	6.017	Si
1116	20.11	1.3	0	11,12	-17854	15205	-47378	-108347	92267	SLD 1	6.068	Si
1145	20.11	1.3	0	11,12	5985	-24828	-47269	36400	-151013	SLD 1	6.082	Si
1174	20.11	1.3	0	11,12	-62020	-51636	-46656	-364229	-303244	SLD 9	5.873	Si
1203	20.11	1.3	0	11,12	-98019	-82711	-46548	-517305	-436516	SLD 9	5.278	Si
1232	20.11	1.3	0	11,12	-134671	-113860	-46439	-644815	-545172	SLD 9	4.788	Si
1261	20.11	1.3	0	11,12	-171542	-145029	-46330	-748728	-633006	SLD 9	4.365	Si
1290	27.63	2.7	0	11,12	-208512	-176205	-46221	-895984	-757159	SLD 9	4.297	Si

Verifica a taglio in famiglia SLU

	Direzione X	Direzione Y	Verifica

Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-191	-193193	SLU 51	17927	55104	55463	2.5	288.48	-1221	-160629	SLU 19	17432	57242	65483	2.5	46.9	Si
-111	5X/2Y Ø8/10	-191	-192996	SLU 51	17927	55104	55527	2.5	288.48	-1221	-160477	SLU 19	17432	57242	65483	2.5	46.9	Si
-81	5X/2Y Ø8/10	-191	-192795	SLU 51	17927	55104	55592	2.5	288.48	-1221	-160323	SLU 19	17432	57242	65483	2.5	46.9	Si
-52	5X/2Y Ø8/10	-191	-192594	SLU 51	17927	55104	55656	2.5	288.48	-1221	-160168	SLU 19	17432	57242	65483	2.5	46.9	Si
-22	5X/2Y Ø8/14.7	-191	-192394	SLU 51	17927	37388	55721	2.5	195.74	-1221	-160014	SLU 19	17432	38839	65483	2.5	31.82	Si
7	5X/2Y Ø8/14.7	-191	-192193	SLU 51	17927	37388	55785	2.5	195.74	-1221	-159859	SLU 19	17432	38839	65483	2.5	31.82	Si
36	5X/2Y Ø8/14.7	-191	-191992	SLU 51	17927	37388	55850	2.5	195.74	-1221	-159705	SLU 19	17432	38839	65483	2.5	31.82	Si
66	5X/2Y Ø8/14.7	-191	-191791	SLU 51	17927	37388	55915	2.5	195.74	-1221	-159551	SLU 19	17432	38839	65483	2.5	31.82	Si
95	5X/2Y Ø8/14.7	-191	-191591	SLU 51	17927	37388	55979	2.5	195.74	-1221	-159396	SLU 19	17432	38839	65483	2.5	31.82	Si
125	5X/2Y Ø8/14.7	-191	-191390	SLU 51	17927	37388	56044	2.5	195.74	-1221	-159242	SLU 19	17432	38839	65483	2.5	31.82	Si
154	5X/2Y Ø8/14.7	-191	-191189	SLU 51	17927	37388	56109	2.5	195.74	-1221	-159087	SLU 19	17432	38839	65483	2.5	31.82	Si
184	5X/2Y Ø8/14.7	-191	-190989	SLU 51	17927	37388	56173	2.5	195.74	-1221	-158933	SLU 19	17432	38839	65483	2.5	31.82	Si
213	5X/2Y Ø8/14.7	-191	-190786	SLU 51	17927	37388	56239	2.5	195.74	-1221	-158777	SLU 19	17432	38839	65483	2.5	31.82	Si
242	5X/2Y Ø8/10	-191	-190587	SLU 51	17927	55098	56303	2.5	288.45	-1221	-158624	SLU 19	17432	57236	65483	2.5	46.9	Si
272	5X/2Y Ø8/10	-191	-190386	SLU 51	17927	55098	56367	2.5	288.45	-1221	-158470	SLU 19	17432	57236	65483	2.5	46.9	Si
301	5X/2Y Ø8/10	-191	-190186	SLU 51	17927	55098	56432	2.5	288.45	-1221	-158315	SLU 19	17432	57236	65483	2.5	46.9	Si
331	5X/2Y Ø8/10	-191	-189985	SLU 51	17927	55098	56496	2.5	288.45	-1221	-158161	SLU 19	17432	57236	65483	2.5	46.9	Si
360	5X/2Y Ø8/10	-191	-189788	SLU 51	17927	55098	56560	2.5	288.45	-1221	-158009	SLU 19	17432	57236	65483	2.5	46.9	Si
380	5X/2Y Ø8/10	-703	-154819	SLU 51	17927	55098	58834	2.5	78.38	-682	-152792	SLU 49	17432	57236	65483	2.5	83.97	Si
409	5X/2Y Ø8/10	-703	-154621	SLU 51	17927	55098	58834	2.5	78.38	-682	-152594	SLU 49	17432	57236	65483	2.5	83.97	Si
438	5X/2Y Ø8/10	-703	-154423	SLU 51	17927	55098	58834	2.5	78.38	-682	-152396	SLU 49	17432	57236	65483	2.5	83.97	Si
467	5X/2Y Ø8/14.4	-703	-154225	SLU 51	17927	38145	58834	2.5	54.26	-682	-152198	SLU 49	17432	39625	65483	2.5	58.13	Si
496	5X/2Y Ø8/14.4	-703	-154027	SLU 51	17927	38145	58834	2.5	54.26	-682	-152000	SLU 49	17432	39625	65483	2.5	58.13	Si
525	5X/2Y Ø8/14.4	-703	-153829	SLU 51	17927	38145	58834	2.5	54.26	-682	-151803	SLU 49	17432	39625	65483	2.5	58.13	Si
554	5X/2Y Ø8/14.4	-703	-153631	SLU 51	17927	38145	58834	2.5	54.26	-682	-151605	SLU 49	17432	39625	65483	2.5	58.13	Si
583	5X/2Y Ø8/14.4	-703	-153433	SLU 51	17927	38145	58834	2.5	54.26	-682	-151407	SLU 49	17432	39625	65483	2.5	58.13	Si
612	5X/2Y Ø8/10	-703	-153236	SLU 51	17927	55098	58834	2.5	78.38	-682	-151209	SLU 49	17432	57236	65483	2.5	83.97	Si
641	5X/2Y Ø8/10	-703	-153038	SLU 51	17927	55098	58834	2.5	78.38	-682	-151011	SLU 49	17432	57236	65483	2.5	83.97	Si
670	5X/2Y Ø8/10	-703	-152840	SLU 51	17927	55098	58834	2.5	78.38	-682	-150813	SLU 49	17432	57236	65483	2.5	83.97	Si
690	5X/2Y Ø8/10	-668	-116544	SLU 49	15366	51792	52691	2.35	77.5	-660	-116544	SLU 49	15029	48385	55356	2.5	73.32	Si
719	5X/2Y Ø8/10	-668	-116378	SLU 49	15366	51792	52691	2.35	77.5	-660	-116378	SLU 49	15029	48385	55356	2.5	73.32	Si
748	5X/2Y Ø8/10	-668	-116208	SLU 49	15366	51792	52691	2.35	77.5	-660	-116208	SLU 49	15029	48385	55356	2.5	73.32	Si
777	5X/2Y Ø8/14.4	-668	-116038	SLU 49	15366	38145	50429	2.5	57.08	-660	-116038	SLU 49	15029	33497	55356	2.5	50.76	Si
806	5X/2Y Ø8/14.4	-668	-115869	SLU 49	15366	38145	50429	2.5	57.08	-660	-115869	SLU 49	15029	33497	55356	2.5	50.76	Si
835	5X/2Y Ø8/14.4	-668	-115699	SLU 49	15366	38145	50429	2.5	57.08	-660	-115699	SLU 49	15029	33497	55356	2.5	50.76	Si
864	5X/2Y Ø8/14.4	-668	-115529	SLU 49	15366	38145	50429	2.5	57.08	-660	-115529	SLU 49	15029	33497	55356	2.5	50.76	Si
893	5X/2Y Ø8/14.4	-668	-115360	SLU 49	15366	38145	50429	2.5	57.08	-660	-115360	SLU 49	15029	33497	55356	2.5	50.76	Si
922	5X/2Y Ø8/10	-668	-115190	SLU 49	15366	51792	52691	2.35	77.5	-660	-115190	SLU 49	15029	48385	55356	2.5	73.32	Si
951	5X/2Y Ø8/10	-668	-115020	SLU 49	15366	51792	52691	2.35	77.5	-660	-115020	SLU 49	15029	48385	55356	2.5	73.32	Si
980	5X/2Y Ø8/10	-668	-114851	SLU 49	15366	51792	52691	2.35	77.5	-660	-114851	SLU 49	15029	48385	55356	2.5	73.32	Si
1000	4X/2Y Ø8/10	-1281	-82819	SLU 51	12805	42315	43268	2.4	33.04	-864	-80630	SLU 49	12600	39534	45230	2.5	45.76	Si
1029	4X/2Y Ø8/10	-1281	-82680	SLU 51	12805	42315	43268	2.4	33.04	-864	-80491	SLU 49	12600	39534	45230	2.5	45.76	Si
1058	4X/2Y Ø8/10	-1281	-82539	SLU 51	12805	42315	43268	2.4	33.04	-864	-80350	SLU 49	12600	39534	45230	2.5	45.76	Si
1087	4X/2Y Ø8/14.4	-1281	-82397	SLU 51	12805	30516	42024	2.5	23.83	-864	-80208	SLU 49	12600	27370	45230	2.5	31.68	Si
1116	4X/2Y Ø8/14.4	-1281	-82256	SLU 51	12805	30516	42024	2.5	23.83	-864	-80067	SLU 49	12600	27370	45230	2.5	31.68	Si
1145	4X/2Y Ø8/14.4	-1281	-82115	SLU 51	12805	30516	42024	2.5	23.83	-864	-79925	SLU 49	12600	27370	45230	2.5	31.68	Si
1174	4X/2Y Ø8/14.4	-1281	-81973	SLU 51	12805	30516	42024	2.5	23.83	-864	-79784	SLU 49	12600	27370	45230	2.5	31.68	Si
1203	4X/2Y Ø8/14.4	-1281	-81832	SLU 51	12805	30516	42024	2.5	23.83	-864	-79643	SLU 49	12600	27370	45230	2.5	31.68	Si
1232	4X/2Y Ø8/10	-1281	-81690	SLU 51	12805	42315	43268	2.4	33.04	-864	-79501	SLU 49	12600	39534	45230	2.5	45.76	Si
1261	4X/2Y Ø8/10	-1281	-81549	SLU 51	12805	42315	43268	2.4	33.04	-864	-79360	SLU 49	12600	39534	45230	2.5	45.76	Si
1290	4X/2Y Ø8/10	-1281	-81408	SLU 51	12805	42315	43268	2.4	33.04	-864	-79219	SLU 49	12600	39534	45230	2.5	45.76	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-1080	-120615	SLV 5	17927	55104	58834	2.5	51.02	-5737	-114279	SLV 13	17432	57242	65483	2.5	9.98	Si
-111	5X/2Y Ø8/10	-1080	-120464	SLV 5	17927	55104	58834	2.5	51.02	-5737	-114128	SLV 13	17432	57242	65483	2.5	9.98	Si
-81	5X/2Y Ø8/10	-1080	-120309	SLV 5	17927	55104	58834	2.5	51.02	-5737	-113973	SLV 13	17432	57242	65483	2.5	9.98	Si
-52	5X/2Y Ø8/10	-1080	-120155	SLV 5	17927	55104	58834	2.5	51.02	-5737	-113819	SLV 13	17432	57242	65483	2.5	9.98	Si
-22	5X/2Y Ø8/14.7	-1080	-120000	SLV 5	17927	37388	58834	2.5	34.62	-5737	-113664	SLV 13	17432	38839	65483	2.5	6.77	Si
7	5X/2Y Ø8/14.7	-1080	-119846	SLV 5	17927	37388	58834	2.5	34.62	-5737	-113510	SLV 13	17432	38839	65483	2.5	6.77	Si
36	5X/2Y Ø8/14.7	-1080	-119692	SLV 5	17927	37388	58834	2.5	34.62	-5737	-113355	SLV 13	17432	38839	65483	2.5	6.77	Si
66	5X/2Y Ø8/14.7	-1080	-119537	SLV 5	17927	37388	58834	2.5	34.62	-5737	-113201	SLV 13	17432	38839	65483	2.5	6.77	Si
95	5X/2Y Ø8/14.7	-1080	-119383	SLV 5	17927	37388	58834	2.5	34.62	-5737	-113047	SLV 13	17432	38839	65483	2.5	6.77	Si
125	5X/2Y Ø8/14.7	-1080	-119228	SLV 5	17927	37388	58834	2.5	34.62	-5737	-112892	SLV 13	17432	38839	65483	2.5	6.77	Si
154	5X/2Y Ø8/14.7	-1080	-119074	SLV 5	17927	37388	58834	2.5	34.62	-5737	-112738	SLV 13	17432	38839	65483	2.5	6.77	Si
184	5X/2Y Ø8/14.7	-1080	-118919	SLV 5	17927	37388	58834	2.5	34.62	-5737	-112583	SLV 13	17432	38839	65483	2.5	6.77	Si
213	5X/2Y Ø8/14.7	-1080	-118764	SLV 5	17927	37388	58834	2.5	34.62	-5737	-112427	SLV 13	17432	38839	65483	2.5	6.77	Si
242	5X/2Y Ø8/10	-1080	-118611	SLV 5	17927	55098	58834	2.5	51.01	-5737	-112275	SLV 13	17432	57236	65483	2.5	9.98	Si
272	5X/2Y Ø8/10	-1080	-118456	SLV 5	17927	55098	58834	2.5	51.01	-5737	-112120	SLV 13	17432	57236	65483	2.5	9.98	Si
301	5X/2Y Ø8/10	-1080	-118302	SLV 5	17927	55098	58834	2.5	51.01	-5737	-111966	SLV 13	17432	57236	65483	2.5	9.98	Si
331	5X/2Y Ø8/10	-1080	-118147	SLV 5	17927	55098	58834	2.5	51.01	-5737	-111811	SLV 13	17432	57236	65483	2.5	9.98	Si
360	5X/2Y Ø8/10	-1080	-117996	SLV 5	17927	55098	58834	2.5	51.01	-5737	-111660	SLV 13	17432	57236	65483	2.5	9.98	Si
380	5X/2Y Ø8/10	-2220	-95464	SLV 5	17927	55098	58834	2.5	24.82	-3461	-90337	SLV 13	17432	57236	65336	2.5	16.54	Si
409	5X/2Y Ø8/10	-2220	-95312	SLV 5	17927	55098	58834	2.5	24.82	-3461	-90185	SLV 13	17432	57236	65314	2.5	16.54	Si
438	5X/2Y Ø8/10	-2220	-95159	SLV 5	17927	55098	58834	2.5	24.82	-3461	-90033	SLV 13	17432	57236	65292	2.5	16.54	Si
467	5X/2Y Ø8/14.4	-2220	-95007	SLV 5	17927	38145	58834	2.5	17.18	-3461	-89881	SLV 13	17432	39625	65270	2.5	11.45	Si
496	5X/2Y Ø8/14.4	-2220	-94855	SLV 5	17927	38145	58834	2.5	17.18	-3461	-89728	SLV 13	17432	39625	65249	2.5	11.45	Si
525	5X/2Y Ø8/14.4	-2220	-94703	SLV 5	17927	38145	58834	2.5	17.18	-3461	-89576	SLV 13	17432	39625	65227	2.5	11.45	Si
554	5X/2Y Ø8/14.4	-2220	-94550	SLV 5	17927	38145	58834	2.5	17.18	-3461	-89424	SLV 13	17432	39625	65205	2.5	11.45	Si
583	5X/2Y Ø8/14.4	-2220	-94398	SLV 5	17927	38145	58834	2.5	17.18	-3461	-89272	SLV 13	17432	39625	65183	2.5	11.45	Si
612	5X/2Y Ø8/10	-2220	-94246	SLV 5	17927	55098	58834	2.5	24.82	-3461	-89119	SLV 13	17432	57236	65161	2.5	16.54	Si
641	5X/2Y Ø8/10	-2220	-94094	SLV 5	17927	55098	58834	2.5	24.82	-3461	-88967	SLV 13	17432	57236	65139	2.5	16.54	Si
670	5X/2Y Ø8/10	-2220	-93941	SLV 5	17927	55098	58834	2.5	24.82	-3461	-88815	SLV 13	17432	57236	65118	2.5	16.54	Si
690	5X/2Y Ø8/10	-2012	-71800	SLV 5	15366	51792	51815	2.35	25.74	-3877	-68052	SLV 13	15029	48385	53906	2.5	12.48	Si
719	5X/2Y Ø8/10	-2012	-71672	SLV 5	15366	51792	51797	2.35	25.74	-3877	-67924	SLV 13	15029	48385	53888	2.5	12.48	Si
748	5X/2Y Ø8/10	-2012	-71541	SLV 5	15366	50690	52551	2.3	25.19	-3877	-67793	SLV 13	15029	48385	53870	2.5	12.48	Si
777	5X/2Y Ø8/14.4	-2012	-71411	SLV 5	15366	38145	49541	2.5	18.96	-3877	-67663	SLV 13	15029	33497	53851	2.5	8.64	Si
806	5X/2Y Ø8/14.4	-2012	-71280	SLV 5	15366	38145	49524	2.5	18.96	-3877	-67532	SLV 13	15029	33497	53833	2.5	8.64	Si
835	5X/2Y Ø8/14.4	-2012	-71150	SLV 5	15366	38145	49507	2.5	18.96	-3877	-67402	SLV 13	15029	33497	53814	2.5	8.64	Si
864	5X/2Y Ø8/14.4	-2012	-71019	SLV 5	15366	38145	49490	2.5	18.96	-3877	-67271	SLV 13	15029	33497	53796	2.5	8.64	Si
893	5X/2Y Ø8/14.4	-2012	-70889	SLV 5	15366	38145	49473	2.5	18.96	-3877	-67141	SLV 13	15029	33497	53777	2.5	8.64	Si
922	5X/2Y Ø8/10	-2012	-70758	SLV 5	15366	50690	52444	2.3	25.19	-3877	-67010	SLV 13	15029	48385	53759	2.5	12.48	Si
951	5X/2Y Ø8/10	-2012	-70628	SLV 5	15366	50690	52427	2.3	25.19	-3877	-66880	SLV 13	15029	48385	53740	2.5	12.48	Si
980	5X/2Y Ø8/10	-2012	-70497	SLV 5	15366	50690	52409	2.3	25.19	-3877	-66749	SLV 13	15029	48385	53722	2.5	12.48	Si
1000	4X/2Y Ø8/10	-2280	-48450	SLV 5	12337	41434	41647	2.35	18.17	-3355	-45926	SLV 13	11759	39534	42550	2.5	11.78	Si
1029	4X/2Y Ø8/10	-2280	-48343	SLV 5	12324	41434	41633	2.35	18.17	-3355	-45819	SLV 13	11744	39534	42535	2.5	11.78	Si
1058	4X/2Y Ø8/10	-2280	-48234	SLV 5	12311	41434	41618	2.35	18.17	-3355	-45710	SLV 13	11730	39534	42520	2.5	11.78	Si
1087	4X/2Y Ø8/14.4	-2280	-48125	SLV 5	12297	30516	39818	2.5	13.38	-3355	-45602	SLV 13	11715	27370	42505	2.5	8.16	Si
1116	4X/2Y Ø8/14.4	-2280	-48017	SLV 5	12283	30516	39804	2.5	13.38	-3355	-45493	SLV 13	11701	27370	42490	2.5	8.16	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1145	4X/2Y Ø8/14.4	-2280	-47908	SLV 5	12270	30516	39790	2.5	13.38	-3355	-45384	SLV 13	11686	27370	42475	2.5	8.16	Si
1174	4X/2Y Ø8/14.4	-2280	-47799	SLV 5	12256	30516	39776	2.5	13.38	-3355	-45275	SLV 13	11671	27370	42460	2.5	8.16	Si
1203	4X/2Y Ø8/14.4	-2280	-47690	SLV 5	12243	30516	39762	2.5	13.38	-3355	-45167	SLV 13	11657	27370	42445	2.5	8.16	Si
1232	4X/2Y Ø8/10	-2280	-47582	SLV 5	12229	41434	41530	2.35	18.17	-3355	-45058	SLV 13	11642	39534	42430	2.5	11.78	Si
1261	4X/2Y Ø8/10	-2280	-47473	SLV 5	12216	41434	41516	2.35	18.17	-3355	-44949	SLV 13	11628	39534	42415	2.5	11.78	Si
1290	4X/2Y Ø8/10	-2280	-47364	SLV 5	12202	41434	41501	2.35	18.17	-3355	-44840	SLV 13	11613	39534	42400	2.5	11.78	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-484	-118741	SLD 5	22477	55104	58834	2.5	113.93	-2381	-116265	SLD 13	22496	57242	65483	2.5	24.04	Si
-111	5X/2Y Ø8/10	-484	-118589	SLD 5	22477	55104	58834	2.5	113.93	-2381	-116114	SLD 13	22496	57242	65483	2.5	24.04	Si
-81	5X/2Y Ø8/10	-484	-118435	SLD 5	22477	55104	58834	2.5	113.93	-2381	-115959	SLD 13	22496	57242	65483	2.5	24.04	Si
-52	5X/2Y Ø8/10	-484	-118280	SLD 5	22477	55104	58834	2.5	113.93	-2381	-115805	SLD 13	22496	57242	65483	2.5	24.04	Si
-22	5X/2Y Ø8/14.7	-484	-118126	SLD 5	22477	37388	58834	2.5	77.3	-2381	-115650	SLD 13	22496	38839	65483	2.5	16.31	Si
7	5X/2Y Ø8/14.7	-484	-117971	SLD 5	22477	37388	58834	2.5	77.3	-2381	-115496	SLD 13	22496	38839	65483	2.5	16.31	Si
36	5X/2Y Ø8/14.7	-484	-117817	SLD 5	22477	37388	58834	2.5	77.3	-2381	-115342	SLD 13	22496	38839	65483	2.5	16.31	Si
66	5X/2Y Ø8/14.7	-484	-117663	SLD 5	22477	37388	58834	2.5	77.3	-2381	-115187	SLD 13	22496	38839	65483	2.5	16.31	Si
95	5X/2Y Ø8/14.7	-484	-117508	SLD 5	22477	37388	58834	2.5	77.3	-2381	-115033	SLD 13	22496	38839	65483	2.5	16.31	Si
125	5X/2Y Ø8/14.7	-484	-117354	SLD 5	22477	37388	58834	2.5	77.3	-2381	-114878	SLD 13	22496	38839	65483	2.5	16.31	Si
154	5X/2Y Ø8/14.7	-484	-117199	SLD 5	22477	37388	58834	2.5	77.3	-2381	-114724	SLD 13	22496	38839	65483	2.5	16.31	Si
184	5X/2Y Ø8/14.7	-484	-117045	SLD 5	22477	37388	58834	2.5	77.3	-2381	-114569	SLD 13	22496	38839	65483	2.5	16.31	Si
213	5X/2Y Ø8/14.7	-484	-116889	SLD 5	22477	37388	58834	2.5	77.3	-2381	-114414	SLD 13	22496	38839	65483	2.5	16.31	Si
242	5X/2Y Ø8/10	-484	-116736	SLD 5	22477	55098	58834	2.5	113.92	-2381	-114261	SLD 13	22496	57236	65483	2.5	24.04	Si
272	5X/2Y Ø8/10	-484	-116582	SLD 5	22477	55098	58834	2.5	113.92	-2381	-114106	SLD 13	22496	57236	65483	2.5	24.04	Si
301	5X/2Y Ø8/10	-484	-116427	SLD 5	22477	55098	58834	2.5	113.92	-2381	-113952	SLD 13	22496	57236	65483	2.5	24.04	Si
331	5X/2Y Ø8/10	-484	-116273	SLD 5	22477	55098	58834	2.5	113.92	-2381	-113797	SLD 13	22496	57236	65483	2.5	24.04	Si
360	5X/2Y Ø8/10	-484	-116121	SLD 5	22477	55098	58834	2.5	113.92	-2381	-113646	SLD 13	22496	57236	65483	2.5	24.04	Si
380	5X/2Y Ø8/10	-1105	-93941	SLD 5	20523	55098	58834	2.5	49.87	-1598	-91935	SLD 13	20044	57236	65483	2.5	35.82	Si
409	5X/2Y Ø8/10	-1105	-93789	SLD 5	20504	55098	58834	2.5	49.87	-1598	-91783	SLD 13	20022	57236	65483	2.5	35.82	Si
438	5X/2Y Ø8/10	-1105	-93637	SLD 5	20485	55098	58834	2.5	49.87	-1598	-91631	SLD 13	20001	57236	65483	2.5	35.82	Si
467	5X/2Y Ø8/14.4	-1105	-93485	SLD 5	20466	38145	58834	2.5	34.53	-1598	-91478	SLD 13	19980	39625	65483	2.5	24.8	Si
496	5X/2Y Ø8/14.4	-1105	-93332	SLD 5	20447	38145	58834	2.5	34.53	-1598	-91326	SLD 13	19959	39625	65478	2.5	24.8	Si
525	5X/2Y Ø8/14.4	-1105	-93180	SLD 5	20428	38145	58834	2.5	34.53	-1598	-91174	SLD 13	19938	39625	65456	2.5	24.8	Si
554	5X/2Y Ø8/14.4	-1105	-93028	SLD 5	20409	38145	58834	2.5	34.53	-1598	-91022	SLD 13	19917	39625	65434	2.5	24.8	Si
583	5X/2Y Ø8/14.4	-1105	-92876	SLD 5	20391	38145	58834	2.5	34.53	-1598	-90869	SLD 13	19896	39625	65412	2.5	24.8	Si
612	5X/2Y Ø8/10	-1105	-92723	SLD 5	20372	55098	58834	2.5	49.87	-1598	-90717	SLD 13	19875	57236	65390	2.5	35.82	Si
641	5X/2Y Ø8/10	-1105	-92571	SLD 5	20353	55098	58834	2.5	49.87	-1598	-90565	SLD 13	19854	57236	65368	2.5	35.82	Si
670	5X/2Y Ø8/10	-1105	-92419	SLD 5	20334	55098	58834	2.5	49.87	-1598	-90413	SLD 13	19833	57236	65347	2.5	35.82	Si
690	5X/2Y Ø8/10	-1015	-70666	SLD 5	16364	55098	49445	2.5	48.73	-1759	-69196	SLD 13	15924	48385	54068	2.5	27.5	Si
719	5X/2Y Ø8/10	-1015	-70538	SLD 5	16348	55098	49428	2.5	48.72	-1759	-69068	SLD 13	15906	48385	54050	2.5	27.5	Si
748	5X/2Y Ø8/10	-1015	-70407	SLD 5	16332	55098	49411	2.5	48.7	-1759	-68938	SLD 13	15888	48385	54031	2.5	27.5	Si
777	5X/2Y Ø8/14.4	-1015	-70277	SLD 5	16316	38145	49395	2.5	37.6	-1759	-68807	SLD 13	15870	33497	54013	2.5	19.04	Si
806	5X/2Y Ø8/14.4	-1015	-70146	SLD 5	16300	38145	49378	2.5	37.6	-1759	-68677	SLD 13	15853	33497	53994	2.5	19.04	Si
835	5X/2Y Ø8/14.4	-1015	-70016	SLD 5	16283	38145	49361	2.5	37.6	-1759	-68546	SLD 13	15835	33497	53976	2.5	19.04	Si
864	5X/2Y Ø8/14.4	-1015	-69885	SLD 5	16267	38145	49344	2.5	37.6	-1759	-68416	SLD 13	15817	33497	53958	2.5	19.04	Si
893	5X/2Y Ø8/14.4	-1015	-69755	SLD 5	16251	38145	49327	2.5	37.6	-1759	-68285	SLD 13	15799	33497	53939	2.5	19.04	Si
922	5X/2Y Ø8/10	-1015	-69624	SLD 5	16235	55098	49311	2.5	48.6	-1759	-68155	SLD 13	15781	48385	53921	2.5	27.5	Si
951	5X/2Y Ø8/10	-1015	-69494	SLD 5	16218	55098	49294	2.5	48.59	-1759	-68024	SLD 13	15763	48385	53902	2.5	27.5	Si
980	5X/2Y Ø8/10	-1015	-69363	SLD 5	16202	55098	49277	2.5	48.57	-1759	-67894	SLD 13	15746	48385	53884	2.5	27.5	Si
1000	4X/2Y Ø8/10	-1325	-47652	SLD 5	12238	44078	39757	2.5	30.01	-1619	-46660	SLD 13	11857	39534	42652	2.5	24.41	Si
1029	4X/2Y Ø8/10	-1325	-47545	SLD 5	12225	44078	39743	2.5	30	-1619	-46553	SLD 13	11843	39534	42637	2.5	24.41	Si
1058	4X/2Y Ø8/10	-1325	-47436	SLD 5	12211	44078	39729	2.5	29.98	-1619	-46444	SLD 13	11828	39534	42622	2.5	24.41	Si
1087	4X/2Y Ø8/14.4	-1325	-47328	SLD 5	12198	30516	39715	2.5	23.03	-1619	-46336	SLD 13	11813	27370	42607	2.5	16.9	Si
1116	4X/2Y Ø8/14.4	-1325	-47219	SLD 5	12184	30516	39701	2.5	23.03	-1619	-46227	SLD 13	11799	27370	42592	2.5	16.9	Si
1145	4X/2Y Ø8/14.4	-1325	-47110	SLD 5	12171	30516	39687	2.5	23.03	-1619	-46118	SLD 13	11784	27370	42577	2.5	16.9	Si
1174	4X/2Y Ø8/14.4	-1325	-47001	SLD 5	12157	30516	39673	2.5	23.03	-1619	-46009	SLD 13	11770	27370	42562	2.5	16.9	Si
1203	4X/2Y Ø8/14.4	-1325	-46893	SLD 5	12144	30516	39659	2.5	23.03	-1619	-45901	SLD 13	11755	27370	42547	2.5	16.9	Si
1232	4X/2Y Ø8/10	-1325	-46784	SLD 5	12130	44078	39645	2.5	29.92	-1619	-45792	SLD 13	11741	39534	42532	2.5	24.41	Si
1261	4X/2Y Ø8/10	-1325	-46675	SLD 5	12116	44078	39631	2.5	29.91	-1619	-45683	SLD 13	11726	39534	42517	2.5	24.41	Si
1290	4X/2Y Ø8/10	-1325	-46566	SLD 5	12103	44078	39617	2.5	29.9	-1619	-45574	SLD 13	11711	39534	42501	2.5	24.41	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	112112	35968	-137273	SLE RA 13	-62.5	112112	35968	-137273	SLE RA 13	-912.9	Si
-111	95559	32094	-137121	SLE RA 13	-61.5	95559	32094	-137121	SLE RA 13	-901.8	Si
-81	78720	28152	-136967	SLE RA 13	-60.6	78720	28152	-136967	SLE RA 13	-890.4	Si
-52	61881	24210	-136813	SLE RA 13	-59.6	61881	24210	-136813	SLE RA 13	-879.1	Si
-22	45042	20269	-136658	SLE RA 13	-58.7	45042	20269	-136658	SLE RA 13	-867.8	Si
7	28203	16327	-136504	SLE RA 13	-57.7	28203	16327	-136504	SLE RA 13	-856.4	Si
36	-26144	14208	-136289	SLE RA 12	-57.4	-26144	14208	-136289	SLE RA 12	-852.6	Si
66	-32534	10231	-136135	SLE RA 12	-57.2	-32534	10231	-136135	SLE RA 12	-851.5	Si
95	-38925	6253	-135980	SLE RA 12	-57.1	-38925	6253	-135980	SLE RA 12	-850.4	Si
125	-45315	2275	-135826	SLE RA 12	-56.9	-45315	2275	-135826	SLE RA 12	-849.3	Si
154	-55992	-3381	-135732	SLE RA 13	-57.3	-55992	-3381	-135732	SLE RA 13	-854.2	Si
184	-72831	-7322	-135577	SLE RA 13	-58.2	-72831	-7322	-135577	SLE RA 13	-863.7	Si
213	-89833	-11302	-135421	SLE RA 13	-59	-89833	-11302	-135421	SLE RA 13	-873.2	Si
242	-106509	-15206	-135268	SLE RA 13	-59.8	-106509	-15206	-135268	SLE RA 13	-882.6	Si
272	-123348	-19147	-135114	SLE RA 13	-60.7	-123348	-19147	-135114	SLE RA 13	-892	Si
301	-140187	-23089	-134960	SLE RA 13	-61.5	-140187	-23089	-134960	SLE RA 13	-901.5	Si
331	-157026	-27030	-134805	SLE RA 13	-62.3	-157026	-27030	-134805	SLE RA 13	-911	Si
360	-173579	-30905	-134653	SLE RA 13	-63.1	-173579	-30905	-134653	SLE RA 13	-920.2	Si
380	54900	74838	-109787	SLE RA 12	-52.3	54900	74838	-109787	SLE RA 12	-749.5	Si
409	40996	60330	-109634	SLE RA 12	-50.7	40996	60330	-109634	SLE RA 12	-731.5	Si
438	27091	45821	-109482	SLE RA 12	-49	27091	45821	-109482	SLE RA 12	-713.5	Si
467	-27732	25942	-109434	SLE RA 13	-47.4	-27732	25942	-109434	SLE RA 13	-698.5	Si
496	-35694	13625	-109282	SLE RA 13	-46.7	-35694	13625	-109282	SLE RA 13	-691.8	Si
525	-43656	1309	-109130	SLE RA 13	-45.9	-43656	1309	-109130	SLE RA 13	-685.1	Si
554	-51618	-11008	-108977	SLE RA 13	-46.9	-51618	-11008	-108977	SLE RA 13	-695	Si
583	-59580	-23325	-108825	SLE RA 13	-48.1	-59580	-23325	-108825	SLE RA 13	-706.9	Si
612	-56334	-41230	-108569	SLE RA 12	-49.3	-67542	-35642	-108673	SLE RA 13	-718.8	Si
641	-70239	-55739	-108416	SLE RA 12	-50.7	-70239	-55739	-108416	SLE RA 12	-732.3	Si
670	-84143	-70247	-108264	SLE RA 12	-50	-84143	-70247	-108264	SLE RA 12	-717.4	Si
690	41883	73268	-84008	SLE RA 12	-47.3	41883	73268	-84008	SLE RA 12	-669.4	Si
719	28882	59848	-83879	SLE RA 12	-46.2	28882	59848	-83879	SLE RA 12	-660.3	Si
748	15652	46192	-83749	SLE RA 12	-44.8	15652	46192	-83749	SLE RA 12	-647.7	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
777	2868	31926	-83702	SLE RA 13	-42.9	2868	31926	-83702	SLE RA 13	-627.3	Si
806	-10183	19122	-83571	SLE RA 13	-42	-10183	19122	-83571	SLE RA 13	-619.3	Si
835	-23235	6318	-83441	SLE RA 13	-41.4	-23235	6318	-83441	SLE RA 13	-614.7	Si
864	-37268	-8433	-83227	SLE RA 12	-42.1	-37268	-8433	-83227	SLE RA 12	-623.3	Si
893	-50497	-22089	-83096	SLE RA 12	-44	-50497	-22089	-83096	SLE RA 12	-642.1	Si
922	-63727	-35745	-82966	SLE RA 12	-45.8	-63727	-35745	-82966	SLE RA 12	-661	Si
951	-76957	-49401	-82835	SLE RA 12	-47.5	-76957	-49401	-82835	SLE RA 12	-678.5	Si
980	-90187	-63058	-82705	SLE RA 12	-46.8	-90187	-63058	-82705	SLE RA 12	-663.5	Si
1000	69499	106891	-58511	SLE RA 12	-48.5	69499	106891	-58511	SLE RA 12	-651.8	Si
1029	52558	80937	-58404	SLE RA 12	-44.5	52558	80937	-58404	SLE RA 12	-610.9	Si
1058	35321	54527	-58296	SLE RA 12	-40.5	35321	54527	-58296	SLE RA 12	-569.2	Si
1087	18083	28118	-58187	SLE RA 12	-36.5	18083	28118	-58187	SLE RA 12	-527.6	Si
1116	845	1709	-58078	SLE RA 12	-32.5	845	1709	-58078	SLE RA 12	-486	Si
1145	-16468	-24593	-58021	SLE RA 13	-35.9	-16468	-24593	-58021	SLE RA 13	-521.3	Si
1174	-33630	-51110	-57861	SLE RA 12	-39.8	-33630	-51110	-57861	SLE RA 12	-560.8	Si
1203	-50868	-77519	-57752	SLE RA 12	-43.7	-50868	-77519	-57752	SLE RA 12	-600.6	Si
1232	-68106	-103929	-57643	SLE RA 12	-47.6	-68106	-103929	-57643	SLE RA 12	-640.4	Si
1261	-85343	-130338	-57534	SLE RA 12	-51.5	-85343	-130338	-57534	SLE RA 12	-680.2	Si
1290	-102581	-156747	-57426	SLE RA 12	-51.9	-102581	-156747	-57426	SLE RA 12	-675	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	12608	27116	-117535	SLE QP 2	-50.3	Si
-111	6852	24326	-117383	SLE QP 2	-49.8	Si
-81	998	21488	-117229	SLE QP 2	-49.3	Si
-52	-4857	18650	-117075	SLE QP 2	-49.2	Si
-22	-10712	15813	-116920	SLE QP 2	-49.1	Si
7	-16567	12975	-116766	SLE QP 2	-49	Si
36	-22422	10137	-116611	SLE QP 2	-48.9	Si
66	-28277	7299	-116457	SLE QP 2	-48.9	Si
95	-34132	4461	-116303	SLE QP 2	-48.8	Si
125	-39987	1623	-116148	SLE QP 2	-48.7	Si
154	-45842	-1215	-115994	SLE QP 2	-48.8	Si
184	-51697	-4052	-115839	SLE QP 2	-49.2	Si
213	-57608	-6918	-115683	SLE QP 2	-49.5	Si
242	-63407	-9728	-115530	SLE QP 2	-49.9	Si
272	-69262	-12566	-115376	SLE QP 2	-50.2	Si
301	-75116	-15404	-115222	SLE QP 2	-50.6	Si
331	-80971	-18242	-115067	SLE QP 2	-51	Si
360	-86727	-21031	-114915	SLE QP 2	-51.3	Si
380	44490	58202	-92957	SLE QP 2	-43.8	Si
409	32779	46883	-92805	SLE QP 2	-42.5	Si
438	21068	35564	-92653	SLE QP 2	-41.1	Si
467	9357	24245	-92501	SLE QP 2	-39.8	Si
496	-2354	12926	-92348	SLE QP 2	-38.6	Si
525	-14064	1607	-92196	SLE QP 2	-38.1	Si
554	-25775	-9712	-92044	SLE QP 2	-39	Si
583	-37486	-21030	-91892	SLE QP 2	-40.3	Si
612	-49197	-32349	-91739	SLE QP 2	-41.5	Si
641	-60908	-43668	-91587	SLE QP 2	-42.6	Si
670	-72619	-54987	-91435	SLE QP 2	-42	Si
690	36188	58402	-69929	SLE QP 2	-39.2	Si
719	24843	47718	-69801	SLE QP 2	-38.3	Si
748	13298	36847	-69670	SLE QP 2	-37.2	Si
777	1754	25976	-69540	SLE QP 2	-35.5	Si
806	-9790	15105	-69409	SLE QP 2	-34.9	Si
835	-21334	4234	-69279	SLE QP 2	-34.4	Si
864	-32878	-6637	-69148	SLE QP 2	-35.1	Si
893	-44423	-17508	-69018	SLE QP 2	-36.5	Si
922	-55967	-28379	-68887	SLE QP 2	-38	Si
951	-67511	-39250	-68757	SLE QP 2	-39.4	Si
980	-79055	-50122	-68626	SLE QP 2	-38.8	Si
1000	58962	83360	-47131	SLE QP 2	-39	Si
1029	44995	63175	-47024	SLE QP 2	-35.8	Si
1058	30782	42636	-46915	SLE QP 2	-32.6	Si
1087	16570	22098	-46806	SLE QP 2	-29.4	Si
1116	2358	1559	-46698	SLE QP 2	-26.2	Si
1145	-11854	-18980	-46589	SLE QP 2	-28.7	Si
1174	-26066	-39519	-46480	SLE QP 2	-31.7	Si
1203	-40278	-60058	-46371	SLE QP 2	-34.8	Si
1232	-54491	-80597	-46263	SLE QP 2	-37.9	Si
1261	-68703	-101136	-46154	SLE QP 2	-41	Si
1290	-82915	-121674	-46045	SLE QP 2	-41.2	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

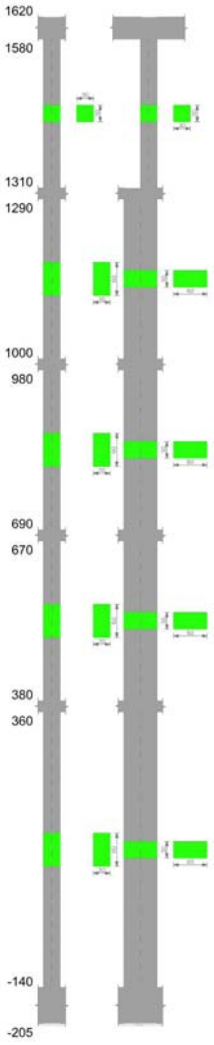
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.

Pilastro 58

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60	No	No	No	No		C30/37	B450C	
380	670	R 30x60	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x60	No	No	No	No		C30/37	B450C	
1310	1580	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-15.42	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-5.14	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	5.14	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	15.42	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-15.42	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-5.14	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	5.14	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	15.42	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-15.42	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-5.14	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	5.14	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	15.42	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-15.42	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-5.14	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	5.14	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	15.42	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-15.42	1.6	2.011	380	690	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.3	-9.9	-5.14	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	5.14	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	15.42	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-15.42	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-5.14	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	5.14	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	15.42	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.5	-9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.7	9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.7	-9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.8	-9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.8	-9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.8	9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.8	9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.7	-9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.7	9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.9	-9.67	5.33	1.6	2.011	1310	1620	R 30x30_1	B450C
p.9	9.67	5.33	1.6	2.011	1310	1620	R 30x30_1	B450C
p.9	9.67	24.67	1.6	2.011	1310	1620	R 30x30_1	B450C
p.9	-9.67	24.67	1.6	2.011	1310	1620	R 30x30_1	B450C
p.10	-9.9	15	1.6	2.011	1310	1620	R 30x30_1	B450C
p.11	9.9	15	1.6	2.011	1310	1620	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	2.7	0	1,2	339144	-339144	-125030	850820	-850820	SLU 52	2.509	Si
-111	24.13	2.7	0	1,2	338686	-338686	-124861	850820	-850820	SLU 52	2.512	Si
-81	24.13	1.3	0	2	338219	-338219	-124689	850820	-850820	SLU 52	2.516	Si
-52	24.13	1.3	0	2	337752	-337752	-124517	850820	-850820	SLU 52	2.519	Si
-22	24.13	1.3	0	2	337286	-337286	-124345	850820	-850820	SLU 52	2.523	Si
7	24.13	1.3	0	2	336819	-336819	-124173	850820	-850820	SLU 52	2.526	Si
36	24.13	1.3	0	2	336352	-336352	-124001	850820	-850820	SLU 52	2.53	Si
66	24.13	1.3	0	2	335885	-335885	-123829	850820	-850820	SLU 52	2.533	Si
95	24.13	1.3	0	2	335419	-335419	-123657	850820	-850820	SLU 52	2.537	Si
125	24.13	1.3	0	2	334952	334952	-123485	850820	850820	SLU 52	2.54	Si
154	24.13	1.3	0	2	334485	334485	-123313	850820	850820	SLU 52	2.544	Si
184	24.13	1.3	0	2	334019	334019	-123140	850820	850820	SLU 52	2.547	Si
213	24.13	1.3	0	2	333547	333547	-122967	850820	850820	SLU 52	2.551	Si
242	24.13	1.3	0	2	333085	333085	-122796	850820	850820	SLU 52	2.554	Si
272	24.13	1.3	0	2	-332618	332618	-122624	-850820	850820	SLU 52	2.558	Si
301	24.13	1.3	0	2	-332152	332152	-122452	-850820	850820	SLU 52	2.562	Si
331	24.13	1.3	0	2	-331685	331685	-122280	-850820	850820	SLU 52	2.565	Si
360	24.13	1.3	0	2	-331226	331226	-122111	-850820	850820	SLU 52	2.569	Si
380	24.13	2.7	0	2,3	-197348	197348	-98674	-673235	673235	SLU 52	3.411	Si
409	24.13	2.7	0	2,3	-197009	197009	-98505	-673235	673235	SLU 52	3.417	Si
438	24.13	1.3	0	3	-196670	196670	-98335	-673235	673235	SLU 52	3.423	Si
467	24.13	1.3	0	3	-196330	196330	-98165	-673235	673235	SLU 52	3.429	Si
496	24.13	1.3	0	3	195991	195991	-97996	673235	673235	SLU 52	3.435	Si
525	24.13	1.3	0	3	195652	195652	-97826	673235	673235	SLU 52	3.441	Si
554	24.13	1.3	0	3	195313	-195313	-97656	673235	-673235	SLU 52	3.447	Si
583	24.13	1.3	0	3	194973	-194973	-97487	673235	-673235	SLU 52	3.453	Si
612	24.13	1.3	0	3	194634	-194634	-97317	673235	-673235	SLU 52	3.459	Si
641	24.13	1.3	0	3	194295	-194295	-97147	673235	-673235	SLU 52	3.465	Si
670	24.13	1.3	0	3	193955	-193955	-96978	673235	-673235	SLU 52	3.471	Si
690	24.13	2.5	0	3,4	-138617	138617	-69308	-673235	673235	SLU 52	4.857	Si
719	21.83	2.5	0	3,4	-138283	138283	-69142	-658510	658510	SLU 52	4.762	Si
748	20.11	1.1	0	4	-137944	137944	-68972	-647491	647491	SLU 52	4.694	Si
777	20.11	1.1	0	4	-137605	137605	-68802	-647491	647491	SLU 52	4.705	Si
806	20.11	1.1	0	4	137265	137265	-68633	647491	647491	SLU 52	4.717	Si
835	20.11	1.1	0	4	136926	136926	-68463	647491	647491	SLU 52	4.729	Si
864	20.11	1.1	0	4	136587	-136587	-68293	647491	-647491	SLU 52	4.741	Si
893	20.11	1.1	0	4	136248	-136248	-68124	647491	-647491	SLU 52	4.752	Si
922	20.11	1.1	0	4	135908	-135908	-67954	647491	-647491	SLU 52	4.764	Si
951	20.11	1.1	0	4	135569	-135569	-67784	647491	-647491	SLU 52	4.776	Si
980	20.11	1.1	0	4	135230	-135230	-67615	647491	-647491	SLU 52	4.788	Si
1000	20.11	2.2	0	4,5,7,8	84697	108043	-42349	619722	790545	SLU 52	7.317	Si
1029	20.11	2.2	0	4,5,7,8	84364	85734	-42182	645863	656354	SLU 52	7.656	Si
1058	20.11	1.1	0	5,7,8	84024	84024	-42012	647491	647491	SLU 52	7.706	Si
1087	20.11	1.1	0	5,7,8	83685	83685	-41842	647491	647491	SLU 52	7.737	Si
1116	20.11	1.1	0	5,7,8	83346	83346	-41673	647491	647491	SLU 52	7.769	Si
1145	20.11	1.1	0	5,7,8	-83006	-83006	-41503	-647491	-647491	SLU 52	7.801	Si
1174	20.11	1.1	0	5,7,8	-82667	-82667	-41334	-647491	-647491	SLU 52	7.833	Si
1203	20.11	1.1	0	5,7,8	-82328	-82328	-41164	-647491	-647491	SLU 52	7.865	Si
1232	20.11	1.1	0	5,7,8	-81988	-81988	-40994	-647491	-647491	SLU 52	7.897	Si
1261	20.5	1.8	0	5,6,7,8	-81649	-95872	-40825	-632709	-742923	SLU 52	7.749	Si
1290	31.04	2.5	0	5,6,7,8	-81316	-118181	-40658	-669611	-973188	SLU 52	8.235	Si
1310	20.11	3.6	0	6,7,9,10,11	54125	35631	-12979	634389	417628	SLU 47	11.721	Si
1340	15.34	3.6	0	6,7,9,10,11	32781	27876	-12891	411772	350162	SLU 47	12.561	Si
1370	12.06	1.3	0	9,10,11	25761	25761	-12880	316346	316346	SLU 48	12.28	Si
1400	12.06	1.3	0	9,10,11	-25585	25585	-12793	-316346	316346	SLU 48	12.364	Si
1430	12.06	1.3	0	9,10,11	-32722	25410	-12705	-391513	304022	SLU 48	11.965	Si
1460	12.06	1.3	0	9,10,11	-53059	-25234	-12617	-564950	-268681	SLU 48	10.648	Si
1490	12.06	1.3	0	9,10,11	-73936	-24905	-12452	-695384	-234237	SLU 47	9.405	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1520	12.06	1.3	0	9,10,11	-95279	-24729	-12365	-785499	-203874	SLU 47	8.244	Si
1550	12.06	1.3	0	9,10,11	-119336	-31213	-11338	-844702	-220939	SLU 51	7.078	Si
1580	12.06	1.3	0	9,10,11	-140605	-39516	-11252	-850123	-238922	SLU 51	6.046	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	24.13	2.7	0	1,2	877136	280806	-78713	-2.02	1.92	1952878	625195	SLV 1	2.226				Si
-111	24.13	2.7	0	1,2	808501	255126	-78583	-2.02	1.92	1920000	605863	SLV 1	2.375				Si
-81	24.13	1.3	0	2	738685	229001	-78450	-2.02	1.92	1873936	580942	SLV 1	2.537				Si
-52	24.13	1.3	0	2	668876	202877	-78318	-2.02	1.92	1812955	549889	SLV 1	2.71				Si
-22	24.13	1.3	0	2	599077	176754	-78186	-2.02	1.92	1734239	511677	SLV 1	2.895				Si
7	24.13	1.3	0	2	529293	150633	-78053	-2.02	1.92	1635476	465444	SLV 1	3.09				Si
36	24.13	1.3	0	2	459529	124513	-77921	-2.02	1.92	1515450	410623	SLV 1	3.298				Si
66	24.13	1.3	0	2	389800	98396	-77789	-2.02	1.92	1373127	346613	SLV 1	3.523				Si
95	24.13	1.3	0	2	320126	74209	-77656	-2.02	1.92	1207456	279903	SLV 1	3.772				Si
125	24.13	1.3	0	2	250557	60652	-77524	-2.02	1.92	1005118	243308	SLV 1	4.012				Si
154	24.13	1.3	0	2	101958	20378	-79927	-2.02	1.92	440106	87960	SLV 3	4.317				Si
184	24.13	1.3	0	2	64997	-12152	-79794	-2.02	1.92	281026	-52541	SLV 3	4.324				Si
213	24.13	1.3	0	2	27326	-49172	-79661	-2.02	1.92	118346	-212959	SLV 3	4.331				Si
242	24.13	1.3	0	2	-10309	-83520	-79530	-2.02	1.92	-44722	-362314	SLV 3	4.338				Si
272	24.13	1.3	0	2	-46959	-118709	-79397	-2.02	1.92	-196077	-495670	SLV 3	4.176				Si
301	24.13	1.3	0	2	-84097	-154070	-79265	-2.02	1.92	-329008	-602764	SLV 3	3.912				Si
331	24.13	1.3	0	2	-121252	-189509	-79133	-2.02	1.92	-446045	-697140	SLV 3	3.679				Si
360	24.13	1.3	0	2	-157781	-224380	-79002	-2.02	1.92	-548110	-779468	SLV 3	3.474				Si
380	24.13	2.7	0	2,3	87955	361257	-63379	-2.02	1.92	303327	1245850	SLV 3	3.449				Si
409	24.13	2.7	0	2,3	71860	291220	-63249	-2.02	1.92	276161	1119167	SLV 3	3.843				Si
438	24.13	1.3	0	3	55870	221243	-63118	-2.02	1.92	238714	945298	SLV 3	4.273				Si
467	24.13	1.3	0	3	40185	151414	-62988	-2.02	1.92	192311	724607	SLV 3	4.786				Si
496	24.13	1.3	0	3	26083	82152	-62857	-2.02	1.92	141541	445796	SLV 3	5.426				Si
525	24.13	1.3	0	3	-5213	14165	-62727	-2.02	1.92	-28674	77908	SLV 3	5.5				Si
554	24.13	1.3	0	3	-10840	-62383	-62596	-2.02	1.92	-59746	-343830	SLV 3	5.512				Si
583	24.13	1.3	0	3	-26713	-131148	-62466	-2.02	1.92	-133962	-657680	SLV 3	5.015				Si
612	24.13	1.3	0	3	-42772	-200895	-62335	-2.02	1.92	-191057	-897363	SLV 3	4.467				Si
641	24.13	1.3	0	3	-58897	-270844	-62205	-2.02	1.92	-236661	-1088313	SLV 3	4.018				Si
670	24.13	1.3	0	3	-75055	-340869	-62074	-2.02	1.92	-270865	-1230166	SLV 3	3.609				Si
690	24.13	2.5	0	3,4	111036	322490	-43184	-2.02	1.92	459233	1333785	SLV 3	4.136				Si
719	21.83	2.5	0	3,4	90871	259195	-43056	-2.02	1.92	427229	1218600	SLV 3	4.701				Si
748	20.11	1.1	0	4	70491	194884	-42926	-2.02	1.92	379885	1050247	SLV 3	5.389				Si
777	20.11	1.1	0	4	121529	96414	-43722	-2.02	1.92	754015	598192	SLV 1	6.204				Si
806	20.11	1.1	0	4	70943	50402	-43591	-2.02	1.92	512874	364376	SLV 1	7.229				Si
835	20.11	1.1	0	4	16200	-2462	-43461	-2.02	1.92	122736	-18653	SLV 1	7.576				Si
864	20.11	1.1	0	4	-57962	-47381	-43330	-2.02	1.92	-430399	-351832	SLV 1	7.426				Si
893	20.11	1.1	0	4	-109305	-93692	-43200	-2.02	1.92	-695763	-596382	SLV 1	6.365				Si
922	20.11	1.1	0	4	-56410	-194086	-42143	-2.02	1.92	-311155	-1070564	SLV 3	5.516				Si
951	20.11	1.1	0	4	-76829	-258420	-42012	-2.02	1.92	-363120	-1221379	SLV 3	4.726				Si
980	20.11	1.1	0	4	-97366	-322835	-41882	-2.02	1.92	-392442	-1301217	SLV 3	4.031				Si
1000	20.11	2.2	0	4,5,7,8	136398	314008	-25693	-2.02	1.92	561516	1292697	SLV 3	4.117				Si
1029	20.11	2.2	0	4,5,7,8	106627	249919	-25565	-2.02	1.92	551521	1292690	SLV 3	5.172				Si
1058	20.11	1.1	0	5,7,8	76404	184800	-25434	-2.02	1.92	516328	1248853	SLV 3	6.758				Si
1087	20.11	1.1	0	5,7,8	46383	119936	-25304	-2.02	1.92	413834	1070088	SLV 3	8.922				Si
1116	20.11	1.1	0	5,7,8	40314	40456	-26221	-2.02	1.92	468204	469857	SLV 1	11.614				Si
1145	20.11	1.1	0	5,7,8	-30266	-12936	-26090	-2.02	1.92	-381963	-163257	SLV 1	12.62				Si
1174	20.11	1.1	0	5,7,8	-92599	-59478	-25960	-2.02	1.92	-929633	-597119	SLV 1	10.039				Si
1203	20.11	1.1	0	5,7,8	-154019	-106692	-25829	-2.02	1.92	-1211160	-838991	SLV 1	7.864				Si
1232	20.11	1.1	0	5,7,8	-106963	-208985	-24651	-2.02	1.92	-638493	-1247494	SLV 3	5.969				Si
1261	20.5	1.8	0	5,6,7,8	-137241	-274140	-24521	-2.02	1.92	-636907	-1272225	SLV 3	4.641				Si
1290	31.04	2.5	0	5,6,7,8	-167037	-338246	-24393	-2.02	1.92	-722547	-1463143	SLV 3	4.326				Si
1310	20.11	3.6	0	6,7,9,10,11	164972	113689	-8686	-2.02	1.92	544404	375171	SLV 9	3.3				Si
1340	15.34	3.6	0	6,7,9,10,11	122307	81551	-8619	-2.02	1.92	520173	346840	SLV 9	4.253				Si
1370	12.06	1.3	0	9,10,11	-97022	32722	-7760	-2.02	1.92	-618812	208705	SLV 3	6.378				Si
1400	12.06	1.3	0	9,10,11	-67342	3026	-7692	-2.02	1.92	-735116	33030	SLV 3	10.916				Si
1430	12.06	1.3	0	9,10,11	-34589	-30305	-9003	-2.02	1.92	-396006	-346960	SLV 1	11.449				Si
1460	12.06	1.3	0	9,10,11	-54012	67052	-4180	-2.02	1.92	-347124	430935	SLV 15	6.427				Si
1490	12.06	1.3	0	9,10,11	-95993	101912	-4112	-2.02	1.92	-348344	369824	SLV 15	3.629				Si
1520	12.06	1.3	0	9,10,11	-139171	136824	-4045	-2.02	1.92	-334175	328540	SLV 15	2.401				Si
1550	12.06	1.3	0	9,10,11	-182564	171755	-3977	-2.02	1.92	-326564	307230	SLV 15	1.789				Si
1580	12.06	1.3	0	9,10,11	-225308	206113	-3911	-2.02	1.92	-321847	294428	SLV 15	1.428				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	2.7	0	1,2	433275	124440	-76180	1471270	422561	SLD 1	3.396	Si
-111	24.13	2.7	0	1,2	400016	112925	-76050	1402078	395809	SLD 1	3.505	Si
-81	24.13	1.3	0	2	366185	101211	-75917	1326496	366636	SLD 1	3.622	Si
-52	24.13	1.3	0	2	332358	89499	-75785	1245833	335482	SLD 1	3.748	Si
-22	24.13	1.3	0	2	298537	77787	-75653	1159310	302070	SLD 1	3.883	Si
7	24.13	1.3	0	2	264724	66077	-75520	1066353	266170	SLD 1	4.028	Si
36	24.13	1.3	0	2	230923	54370	-75388	966231	227497	SLD 1	4.184	Si
66	24.13	1.3	0	2	197141	42669	-75256	858050	185714	SLD 1	4.352	Si
95	24.13	1.3	0	2	163391	31729	-75123	740219	143743	SLD 1	4.53	Si
125	24.13	1.3	0	2	86177	19679	-75992	391248	89344	SLD 3	4.54	Si
154	24.13	1.3	0	2	65221	7923	-75859	296624	36033	SLD 3	4.548	Si
184	24.13	1.3	0	2	44334	-6559	-75727	201983	-29881	SLD 3	4.556	Si
213	24.13	1.3	0	2	23066	-22952	-75593	105273	-104752	SLD 3	4.564	Si
242	24.13	1.3	0	2	1947	-37835	-75462	8902	-172976	SLD 3	4.572	Si
272	24.13	1.3	0	2	-18734	-53101	-75330	-85803	-243197	SLD 3	4.58	Si
301	24.13	1.3	0	2	-39694	-68448	-75197	-182115	-314041	SLD 3	4.588	Si
331	24.13	1.3	0	2	-60662	-83833	-75065	-276325	-381876	SLD 3	4.555	Si
360	24.13	1.3	0	2	-81275	-98973	-74935	-358054	-436024	SLD 3	4.405	Si
380	24.13	2.7	0	2,3	-97479	146364	-59677	-470986	707183	SLD 7	4.832	Si
409	24.13	2.7	0	2,3	20216	138927	-60043	103552	711629	SLD 3	5.122	Si
438	24.13	1.3	0	3	18044	105579	-59912	98212	574661	SLD 3	5.443	Si
467	24.13	1.3	0	3	16022	72317	-59782	92462	417349	SLD 3	5.771	Si
496	24.13	1.3	0	3	14759	39389	-59651	85364	227812	SLD 3	5.784	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
525	24.13	1.3	0	3	5456	7067	-59521	31624	40966	SLD 3	5.796	Si
554	24.13	1.3	0	3	8167	-29970	-59390	47441	-174098	SLD 3	5.809	Si
583	24.13	1.3	0	3	6042	-62638	-59260	35175	-364673	SLD 3	5.822	Si
612	24.13	1.3	0	3	79239	-80529	-58633	438054	-445187	SLD 7	5.528	Si
641	24.13	1.3	0	3	100072	-108741	-58502	519827	-564859	SLD 7	5.195	Si
670	24.13	1.3	0	3	121180	-136989	-58372	593469	-670888	SLD 7	4.897	Si
690	24.13	2.5	0	3,4	32307	156940	-41510	205599	998740	SLD 3	6.364	Si
719	21.83	2.5	0	3,4	27795	126821	-41381	185784	847697	SLD 3	6.684	Si
748	20.11	1.1	0	4	23265	96228	-41251	165232	683420	SLD 3	7.102	Si
777	20.11	1.1	0	4	47483	52181	-41497	365359	401512	SLD 1	7.695	Si
806	20.11	1.1	0	4	31587	28881	-41366	251426	229888	SLD 1	7.96	Si
835	20.11	1.1	0	4	12556	1800	-41236	100265	14370	SLD 1	7.985	Si
864	20.11	1.1	0	4	-14146	-21040	-41105	-113314	-168540	SLD 1	8.01	Si
893	20.11	1.1	0	4	57726	-48125	-39278	463525	-386433	SLD 7	8.03	Si
922	20.11	1.1	0	4	80132	-73816	-39148	589587	-543119	SLD 7	7.358	Si
951	20.11	1.1	0	4	102870	-99604	-39017	698043	-675881	SLD 7	6.786	Si
980	20.11	1.1	0	4	125744	-125431	-38887	790356	-788388	SLD 7	6.285	Si
1000	20.11	2.2	0	4,5,7,8	62340	156711	-24735	480254	1207260	SLD 3	7.704	Si
1029	20.11	2.2	0	4,5,7,8	48218	124538	-24607	427975	1105368	SLD 3	8.876	Si
1058	20.11	1.1	0	5,7,8	33881	91848	-24476	345955	937853	SLD 3	10.211	Si
1087	20.11	1.1	0	5,7,8	19634	59280	-24346	231849	700007	SLD 3	11.808	Si
1116	20.11	1.1	0	5,7,8	15570	20838	-24637	208096	278501	SLD 1	13.365	Si
1145	20.11	1.1	0	5,7,8	-15728	-7830	-24506	-211318	-105201	SLD 1	13.436	Si
1174	20.11	1.1	0	5,7,8	-42419	-33004	-24376	-534856	-416145	SLD 1	12.609	Si
1203	20.11	1.1	0	5,7,8	-68937	-58550	-24245	-755472	-641635	SLD 1	10.959	Si
1232	20.11	1.1	0	5,7,8	-53076	-105819	-23693	-510790	-1018376	SLD 3	9.624	Si
1261	20.5	1.8	0	5,6,7,8	-67438	-138525	-23563	-564996	-1160553	SLD 3	8.378	Si
1290	31.04	2.5	0	5,6,7,8	-81572	-170704	-23435	-657717	-1376402	SLD 3	8.063	Si
1310	20.11	3.6	0	6,7,9,10,11	84394	58454	-7607	564373	390904	SLD 9	6.687	Si
1340	15.34	3.6	0	6,7,9,10,11	59953	42555	-7539	520713	369604	SLD 9	8.685	Si
1370	12.06	1.3	0	9,10,11	35560	26662	-7472	446883	335069	SLD 9	12.567	Si
1400	12.06	1.3	0	9,10,11	-31243	4959	-7084	-538579	85480	SLD 3	17.238	Si
1430	12.06	1.3	0	9,10,11	-25523	-11208	-7563	-424149	-186250	SLD 1	16.618	Si
1460	12.06	1.3	0	9,10,11	-33538	-33686	-7668	-394077	-395818	SLD 5	11.75	Si
1490	12.06	1.3	0	9,10,11	-48814	-56484	-7600	-382776	-442916	SLD 5	7.842	Si
1520	12.06	1.3	0	9,10,11	-64388	-79301	-7533	-361707	-445480	SLD 5	5.618	Si
1550	12.06	1.3	0	9,10,11	-80012	-102125	-7465	-346087	-441736	SLD 5	4.325	Si
1580	12.06	1.3	0	9,10,11	-95392	-124572	-7399	-335793	-438512	SLD 5	3.52	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	265	-65566	SLU 3	15366	50695	51735	2.3	191.36	-592	-124148	SLU 51	15029	48390	55356	2.5	81.68	Si
-111	5X/2Y Ø8/10	265	-65436	SLU 3	15366	50695	51718	2.3	191.36	-592	-123979	SLU 51	15029	48390	55356	2.5	81.68	Si
-81	5X/2Y Ø8/10	265	-65304	SLU 3	15366	50695	51699	2.3	191.36	-592	-123807	SLU 51	15029	48390	55356	2.5	81.68	Si
-52	5X/2Y Ø8/10	265	-65171	SLU 3	15366	50695	51681	2.3	191.36	-592	-123635	SLU 51	15029	48390	55356	2.5	81.68	Si
-22	5X/2Y Ø8/14.7	265	-65039	SLU 3	15366	37388	48720	2.5	141.13	-592	-123462	SLU 51	15029	32833	55356	2.5	55.42	Si
7	5X/2Y Ø8/14.7	265	-64907	SLU 3	15366	37388	48703	2.5	141.13	-592	-123290	SLU 51	15029	32833	55356	2.5	55.42	Si
36	5X/2Y Ø8/14.7	265	-64774	SLU 3	15366	37388	48686	2.5	141.13	-592	-123118	SLU 51	15029	32833	55356	2.5	55.42	Si
66	5X/2Y Ø8/14.7	265	-64642	SLU 3	15366	37388	48669	2.5	141.13	-592	-122946	SLU 51	15029	32833	55356	2.5	55.42	Si
95	5X/2Y Ø8/14.7	265	-64510	SLU 3	15366	37388	48652	2.5	141.13	-592	-122774	SLU 51	15029	32833	55356	2.5	55.42	Si
125	5X/2Y Ø8/14.7	265	-64377	SLU 3	15366	37388	48635	2.5	141.13	-592	-122602	SLU 51	15029	32833	55356	2.5	55.42	Si
154	5X/2Y Ø8/14.7	265	-64245	SLU 3	15366	37388	48618	2.5	141.13	-592	-122430	SLU 51	15029	32833	55356	2.5	55.42	Si
184	5X/2Y Ø8/14.7	265	-64112	SLU 3	15366	37388	48601	2.5	141.13	-592	-122258	SLU 51	15029	32833	55356	2.5	55.42	Si
213	5X/2Y Ø8/14.7	265	-63979	SLU 3	15366	37388	48583	2.5	141.13	-592	-122084	SLU 51	15029	32833	55356	2.5	55.42	Si
242	5X/2Y Ø8/10	265	-63848	SLU 3	15366	50690	51501	2.3	191.34	-592	-121914	SLU 51	15029	48385	55356	2.5	81.67	Si
272	5X/2Y Ø8/10	265	-63715	SLU 3	15366	50690	51483	2.3	191.34	-592	-121742	SLU 51	15029	48385	55356	2.5	81.67	Si
301	5X/2Y Ø8/10	265	-63583	SLU 3	15366	50690	51464	2.3	191.34	-592	-121570	SLU 51	15029	48385	55356	2.5	81.67	Si
331	5X/2Y Ø8/10	265	-63451	SLU 3	15366	50690	51446	2.3	191.34	-592	-121398	SLU 51	15029	48385	55356	2.5	81.67	Si
360	5X/2Y Ø8/10	265	-63321	SLU 3	15366	50690	51429	2.3	191.34	-592	-121229	SLU 51	15029	48385	55356	2.5	81.67	Si
380	5X/2Y Ø8/10	-788	-97461	SLU 50	15366	51792	52691	2.35	65.69	495	-92853	SLU 46	15029	48385	55356	2.5	97.8	Si
409	5X/2Y Ø8/10	-788	-97291	SLU 50	15366	51792	52691	2.35	65.69	495	-92683	SLU 46	15029	48385	55356	2.5	97.8	Si
438	5X/2Y Ø8/10	-788	-97121	SLU 50	15366	51792	52691	2.35	65.69	495	-92514	SLU 46	15029	48385	55356	2.5	97.8	Si
467	5X/2Y Ø8/14.4	-788	-96952	SLU 50	15366	38145	50429	2.5	48.38	495	-92344	SLU 46	15029	33497	55356	2.5	67.71	Si
496	5X/2Y Ø8/14.4	-788	-96782	SLU 50	15366	38145	50429	2.5	48.38	495	-92174	SLU 46	15029	33497	55356	2.5	67.71	Si
525	5X/2Y Ø8/14.4	-788	-96612	SLU 50	15366	38145	50429	2.5	48.38	495	-92005	SLU 46	15029	33497	55356	2.5	67.71	Si
554	5X/2Y Ø8/14.4	-788	-96443	SLU 50	15366	38145	50429	2.5	48.38	495	-91835	SLU 46	15029	33497	55356	2.5	67.71	Si
583	5X/2Y Ø8/14.4	-788	-96273	SLU 50	15366	38145	50429	2.5	48.38	495	-91665	SLU 46	15029	33497	55356	2.5	67.71	Si
612	5X/2Y Ø8/10	-788	-96104	SLU 50	15366	51792	52691	2.35	65.69	495	-91496	SLU 46	15029	48385	55356	2.5	97.8	Si
641	5X/2Y Ø8/10	-788	-95934	SLU 50	15366	51792	52691	2.35	65.69	495	-91326	SLU 46	15029	48385	55356	2.5	97.8	Si
670	5X/2Y Ø8/10	-788	-95764	SLU 50	15366	51792	52691	2.35	65.69	495	-91156	SLU 46	15029	48385	55356	2.5	97.8	Si
690	5X/2Y Ø8/10	-696	-68028	SLU 50	15366	50690	52072	2.3	72.84	378	-65111	SLU 46	15029	48385	53490	2.5	128.15	Si
719	5X/2Y Ø8/10	-696	-67862	SLU 50	15366	50690	52049	2.3	72.84	378	-64945	SLU 46	15029	48385	53467	2.5	128.15	Si
748	5X/2Y Ø8/10	-696	-67692	SLU 50	15366	50690	52026	2.3	72.84	378	-64775	SLU 46	15029	48385	53443	2.5	128.15	Si
777	5X/2Y Ø8/14.4	-696	-67522	SLU 50	15366	38145	49040	2.5	54.81	378	-64605	SLU 46	15029	33497	53419	2.5	88.72	Si
806	5X/2Y Ø8/14.4	-696	-67353	SLU 50	15366	38145	49018	2.5	54.81	378	-64436	SLU 46	15029	33497	53395	2.5	88.72	Si
835	5X/2Y Ø8/14.4	-696	-67183	SLU 50	15366	38145	48996	2.5	54.81	378	-64266	SLU 46	15029	33497	53371	2.5	88.72	Si
864	5X/2Y Ø8/14.4	-696	-67013	SLU 50	15366	38145	48974	2.5	54.81	378	-64096	SLU 46	15029	33497	53347	2.5	88.72	Si
893	5X/2Y Ø8/14.4	-696	-66844	SLU 50	15366	38145	48952	2.5	54.81	378	-63927	SLU 46	15029	33497	53323	2.5	88.72	Si
922	5X/2Y Ø8/10	-696	-66674	SLU 50	15366	50690	51887	2.3	72.84	378	-63757	SLU 46	15029	48385	53299	2.5	128.15	Si
951	5X/2Y Ø8/10	-696	-66504	SLU 50	15366	50690	51863	2.3	72.84	378	-63587	SLU 46	15029	48385	53275	2.5	128.15	Si
980	5X/2Y Ø8/10	-696	-66335	SLU 50	15366	50690	51840	2.3	72.84	378	-63418	SLU 46	15029	48385	53251	2.5	128.15	Si
1000	4X/2Y Ø8/10	-790	-40996	SLU 50	12671	44078	45623	2.5	55.81	-398	-34227	SLU 35	11145	48385	49124	2.5	121.58	Si
1029	4X/2Y Ø8/10	-790	-40830	SLU 50	12650	44078	45602	2.5	55.81	-398	-34060	SLU 35	11122	48385	49100	2.5	121.58	Si
1058	4X/2Y Ø8/10	-790	-40660	SLU 50	12629	44078	45580	2.5	55.81	-398	-33891	SLU 35	11099	48385	49076	2.5	121.58	Si
1087	4X/2Y Ø8/14.4	-790	-40490	SLU 50	12608	30516	45558	2.5	38.64	-398	-33721	SLU 35	11075	33497	49052	2.5	84.17	Si
1116	4X/2Y Ø8/14.4	-790	-40321	SLU 50	12586	30516	45536	2.5	38.64	-398	-33551	SLU 35	11052	33497	49029	2.5	84.17	Si
1145	4X/2Y Ø8/14.4	-790	-40151	SLU 50	12565	30516	45515	2.5	38.64	-398	-33382	SLU 35	11029	33497	49005	2.5	84.17	Si
1174	4X/2Y Ø8/14.4	-790	-39981	SLU 50	12544	30516	45493	2.5	38.64	-398	-33212	SLU 35	11006	33497	48981	2.5	84.17	Si
1203	4X/2Y Ø8/14.4	-790	-39812	SLU 50	12523	30516	45471	2.5	38.64	-398	-33042	SLU 35	10983	33497	48957	2.5	84.17	Si
1232	4X/2Y Ø8/10	-790	-39642	SLU 50	12502	44078	45449	2.5	55.81	-398	-32873	SLU 35	10959	48385	48933	2.5	121.58	Si
1261	4X/2Y Ø8/10	-790	-39472	SLU 50	12481	44078	45427	2.5	55.81	-398	-32703	SLU 35	10936	48385	48909	2.5	121.58	Si
1290	4X/2Y Ø8/10	-790	-39306	SLU 50	12460	44078	45406	2.5	55.81	-398	-32536	SLU 35	10914	48385	48885	2.5	121.58	Si
1310	3X/2Y Ø8/10	-284	-10598	SLU 49	5067	24888	25499	1.9	87.58	-721	-12040	SLU 51	5282	21598	22040	2.45	29.96	Si
1340	3X/2Y Ø8/10	-284	-10510	SLU 49	5056	24888	25486	1.9	87.58	-721	-11953	SLU 51	5271	21598	22029	2.45	29.96	Si
1370	3X/2Y Ø8/10	-284	-10422	SLU 49	5046	24888	25472	1.9	87.58	-721	-11865	SLU 51	5260	21598	22017	2.45	29.96	Si
1400	3X/2Y Ø8/14.4	-284	-10335	SLU 49	5035	21765	21931	2.4	76.59	-721	-11777	SLU 51	5249	15258	21689	2.5	21.16	Si
1430	3X/2Y Ø8/14.4	-284	-10247	SLU 49	5024	21765	21919	2.4	76.59	-721	-11689	SLU 51	5239	15258	21677	2.5	21.16	Si
1460	3X/2Y Ø8/14.4	-284	-10159	SLU 49	5013	21765	21908	2.4	76.59	-721	-11602	SLU 51	5228	15258	21666	2.5	21.16	Si
1490	3X/2Y Ø8/14.4	-284	-10071	SLU 49	5002	21765	21896	2.4	76.59	-721	-11514	SLU 51	5217	15258	21655	2.5	21.16	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1520	3X/2Y Ø8/14.4	-284	-9984	SLU 49	4991	21765	21884	2.4	76.59	-721	-11426	SLU 51	5206	15258	21643	2.5	21.16	Si
1550	3X/2Y Ø8/10	-284	-9896	SLU 49	4981	24888	25392	1.9	87.58	-721	-11338	SLU 51	5195	21598	21949	2.45	29.96	Si
1580	3X/2Y Ø8/10	-284	-9809	SLU 49	4970	24888	25379	1.9	87.58	-721	-11252	SLU 51	5184	21598	21937	2.45	29.96	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-1209	-81248	SLV 3	15366	51797	52691	2.35	42.85	-2650	-71962	SLV 5	15029	48390	54459	2.5	18.26	Si
-111	5X/2Y Ø8/10	-1209	-81118	SLV 3	15366	51797	52691	2.35	42.85	-2650	-71832	SLV 5	15029	48390	54440	2.5	18.26	Si
-81	5X/2Y Ø8/10	-1209	-80985	SLV 3	15366	51797	52691	2.35	42.85	-2650	-71699	SLV 5	15029	48390	54422	2.5	18.26	Si
-52	5X/2Y Ø8/10	-1209	-80853	SLV 3	15366	51797	52691	2.35	42.85	-2650	-71567	SLV 5	15029	48390	54403	2.5	18.26	Si
-22	5X/2Y Ø8/14.7	-1209	-80721	SLV 3	15366	37388	50429	2.5	30.93	-2650	-71435	SLV 5	15029	32833	54384	2.5	12.39	Si
7	5X/2Y Ø8/14.7	-1209	-80588	SLV 3	15366	37388	50429	2.5	30.93	-2650	-71302	SLV 5	15029	32833	54366	2.5	12.39	Si
36	5X/2Y Ø8/14.7	-1209	-80456	SLV 3	15366	37388	50429	2.5	30.93	-2650	-71170	SLV 5	15029	32833	54347	2.5	12.39	Si
66	5X/2Y Ø8/14.7	-1209	-80324	SLV 3	15366	37388	50429	2.5	30.93	-2650	-71038	SLV 5	15029	32833	54328	2.5	12.39	Si
95	5X/2Y Ø8/14.7	-1209	-80191	SLV 3	15366	37388	50429	2.5	30.93	-2650	-70905	SLV 5	15029	32833	54309	2.5	12.39	Si
125	5X/2Y Ø8/14.7	-1209	-80059	SLV 3	15366	37388	50429	2.5	30.93	-2650	-70773	SLV 5	15029	32833	54291	2.5	12.39	Si
154	5X/2Y Ø8/14.7	-1209	-79927	SLV 3	15366	37388	50429	2.5	30.93	-2650	-70640	SLV 5	15029	32833	54272	2.5	12.39	Si
184	5X/2Y Ø8/14.7	-1209	-79794	SLV 3	15366	37388	50429	2.5	30.93	-2650	-70508	SLV 5	15029	32833	54253	2.5	12.39	Si
213	5X/2Y Ø8/14.7	-1209	-79661	SLV 3	15366	37388	50429	2.5	30.93	-2650	-70374	SLV 5	15029	32833	54234	2.5	12.39	Si
242	5X/2Y Ø8/10	-1209	-79530	SLV 3	15366	51792	52691	2.35	42.84	-2650	-70243	SLV 5	15029	48385	54216	2.5	18.26	Si
272	5X/2Y Ø8/10	-1209	-79397	SLV 3	15366	51792	52691	2.35	42.84	-2650	-70111	SLV 5	15029	48385	54197	2.5	18.26	Si
301	5X/2Y Ø8/10	-1209	-79265	SLV 3	15366	51792	52691	2.35	42.84	-2650	-69979	SLV 5	15029	48385	54179	2.5	18.26	Si
331	5X/2Y Ø8/10	-1209	-79133	SLV 3	15366	51792	52691	2.35	42.84	-2650	-69846	SLV 5	15029	48385	54160	2.5	18.26	Si
360	5X/2Y Ø8/10	-1209	-79002	SLV 3	15366	51792	52691	2.35	42.84	-2650	-69716	SLV 5	15029	48385	54141	2.5	18.26	Si
380	5X/2Y Ø8/10	-2418	-63379	SLV 3	15366	50690	51437	2.3	20.96	2325	-59393	SLV 11	14584	48385	52682	2.5	20.81	Si
409	5X/2Y Ø8/10	-2418	-63249	SLV 3	15366	50690	51419	2.3	20.96	2325	-59263	SLV 11	14566	48385	52664	2.5	20.81	Si
438	5X/2Y Ø8/10	-2418	-63118	SLV 3	15366	50690	51401	2.3	20.96	2325	-59132	SLV 11	14548	48385	52645	2.5	20.81	Si
467	5X/2Y Ø8/14.4	-2418	-62988	SLV 3	15366	38145	48456	2.5	15.77	2325	-59002	SLV 11	14530	33497	52627	2.5	14.41	Si
496	5X/2Y Ø8/14.4	-2418	-62857	SLV 3	15366	38145	48439	2.5	15.77	2325	-58871	SLV 11	14513	33497	52608	2.5	14.41	Si
525	5X/2Y Ø8/14.4	-2418	-62727	SLV 3	15366	38145	48422	2.5	15.77	2325	-58741	SLV 11	14495	33497	52590	2.5	14.41	Si
554	5X/2Y Ø8/14.4	-2418	-62596	SLV 3	15360	38145	48405	2.5	15.77	2325	-58610	SLV 11	14477	33497	52571	2.5	14.41	Si
583	5X/2Y Ø8/14.4	-2418	-62466	SLV 3	15343	38145	48389	2.5	15.77	2325	-58480	SLV 11	14459	33497	52553	2.5	14.41	Si
612	5X/2Y Ø8/10	-2418	-62335	SLV 3	15327	50690	51294	2.3	20.96	2325	-58349	SLV 11	14441	48385	52534	2.5	20.81	Si
641	5X/2Y Ø8/10	-2418	-62205	SLV 3	15311	50690	51276	2.3	20.96	2325	-58219	SLV 11	14423	48385	52516	2.5	20.81	Si
670	5X/2Y Ø8/10	-2418	-62074	SLV 3	15295	50690	51258	2.3	20.96	2325	-58088	SLV 11	14406	48385	52497	2.5	20.81	Si
690	5X/2Y Ø8/10	-2226	-43184	SLV 3	12943	48486	50150	2.2	21.79	2637	-37932	SLV 11	11651	48385	49648	2.5	18.35	Si
719	5X/2Y Ø8/10	-2226	-43056	SLV 3	12927	48486	50132	2.2	21.79	2637	-37803	SLV 11	11633	48385	49630	2.5	18.35	Si
748	5X/2Y Ø8/10	-2226	-42926	SLV 3	12911	48486	50114	2.2	21.79	2637	-37673	SLV 11	11616	48385	49611	2.5	18.35	Si
777	5X/2Y Ø8/14.4	-2226	-42795	SLV 3	12894	38145	45855	2.5	17.14	2637	-37542	SLV 11	11598	33497	49593	2.5	12.7	Si
806	5X/2Y Ø8/14.4	-2226	-42665	SLV 3	12878	38145	45838	2.5	17.14	2637	-37412	SLV 11	11580	33497	49574	2.5	12.7	Si
835	5X/2Y Ø8/14.4	-2226	-42534	SLV 3	12862	38145	45822	2.5	17.14	2637	-37281	SLV 11	11562	33497	49556	2.5	12.7	Si
864	5X/2Y Ø8/14.4	-2226	-42404	SLV 3	12846	38145	45805	2.5	17.14	2637	-37151	SLV 11	11544	33497	49537	2.5	12.7	Si
893	5X/2Y Ø8/14.4	-2226	-42273	SLV 3	12829	38145	45788	2.5	17.14	2637	-37020	SLV 11	11526	33497	49519	2.5	12.7	Si
922	5X/2Y Ø8/10	-2226	-42143	SLV 3	12813	48486	50003	2.2	21.79	2637	-36890	SLV 11	11509	48385	49501	2.5	18.35	Si
951	5X/2Y Ø8/10	-2226	-42012	SLV 3	12797	48486	49985	2.2	21.79	2637	-36759	SLV 11	11491	48385	49482	2.5	18.35	Si
980	5X/2Y Ø8/10	-2226	-41882	SLV 3	12781	48486	49967	2.2	21.79	2637	-36629	SLV 11	11473	48385	49464	2.5	18.35	Si
1000	4X/2Y Ø8/10	-2253	-25693	SLV 3	10765	43197	44291	2.45	19.17	-2425	-26498	SLV 5	10088	47417	48734	2.45	19.56	Si
1029	4X/2Y Ø8/10	-2253	-25565	SLV 3	10749	43197	44275	2.45	19.17	-2425	-26370	SLV 5	10071	47417	48716	2.45	19.56	Si
1058	4X/2Y Ø8/10	-2253	-25434	SLV 3	10733	43197	44258	2.45	19.17	-2425	-26240	SLV 5	10053	47417	48697	2.45	19.56	Si
1087	4X/2Y Ø8/14.4	-2253	-25304	SLV 3	10717	30516	43602	2.5	13.54	-2425	-26109	SLV 5	10035	33497	47976	2.5	13.82	Si
1116	4X/2Y Ø8/14.4	-2253	-25173	SLV 3	10701	30516	43586	2.5	13.54	-2425	-25979	SLV 5	10017	33497	47958	2.5	13.82	Si
1145	4X/2Y Ø8/14.4	-2253	-25043	SLV 3	10684	30516	43569	2.5	13.54	-2425	-25848	SLV 5	9999	33497	47939	2.5	13.82	Si
1174	4X/2Y Ø8/14.4	-2253	-24912	SLV 3	10668	30516	43552	2.5	13.54	-2425	-25718	SLV 5	9982	33497	47921	2.5	13.82	Si
1203	4X/2Y Ø8/14.4	-2253	-24782	SLV 3	10652	30516	43535	2.5	13.54	-2425	-25587	SLV 5	9964	33497	47903	2.5	13.82	Si
1232	4X/2Y Ø8/10	-2253	-24651	SLV 3	10636	43197	44155	2.45	19.17	-2425	-25457	SLV 5	9946	47417	48585	2.45	19.56	Si
1261	4X/2Y Ø8/10	-2253	-24521	SLV 3	10619	43197	44138	2.45	19.17	-2425	-25326	SLV 5	9928	47417	48566	2.45	19.56	Si
1290	4X/2Y Ø8/10	-2253	-24393	SLV 3	10603	43197	44122	2.45	19.17	-2425	-25198	SLV 5	9911	47417	48548	2.45	19.56	Si
1310	3X/2Y Ø8/10	-1662	-9699	SLV 5	4956	24888	25362	1.9	14.97	-1839	-5896	SLV 13	4517	21158	21550	2.4	11.5	Si
1340	3X/2Y Ø8/10	-1662	-9632	SLV 5	4948	24888	25352	1.9	14.97	-1839	-5828	SLV 13	4509	21158	21541	2.4	11.5	Si
1370	3X/2Y Ø8/10	-1662	-9564	SLV 5	4940	24888	25341	1.9	14.97	-1839	-5761	SLV 13	4500	21158	21532	2.4	11.5	Si
1400	3X/2Y Ø8/14.4	-1662	-9497	SLV 5	4931	21765	21821	2.4	13.09	-1839	-5693	SLV 13	4492	15258	20905	2.5	8.3	Si
1430	3X/2Y Ø8/14.4	-1662	-9429	SLV 5	4923	21765	21812	2.4	13.09	-1839	-5626	SLV 13	4484	15258	20896	2.5	8.3	Si
1460	3X/2Y Ø8/14.4	-1662	-9362	SLV 5	4915	21765	21803	2.4	13.09	-1839	-5558	SLV 13	4475	15258	20888	2.5	8.3	Si
1490	3X/2Y Ø8/14.4	-1662	-9294	SLV 5	4906	21765	21794	2.4	13.09	-1839	-5491	SLV 13	4467	15258	20879	2.5	8.3	Si
1520	3X/2Y Ø8/14.4	-1662	-9227	SLV 5	4898	21765	21785	2.4	13.09	-1839	-5423	SLV 13	4458	15258	20870	2.5	8.3	Si
1550	3X/2Y Ø8/10	-1662	-9159	SLV 5	4890	24888	25280	1.9	14.97	-1839	-5356	SLV 13	4450	21158	21479	2.4	11.5	Si
1580	3X/2Y Ø8/10	-1662	-9093	SLV 5	4882	24888	25269	1.9	14.97	-1839	-5289	SLV 13	4442	21158	21470	2.4	11.5	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-525	-77180	SLD 3	17175	55104	50284	2.5	95.78	-1262	-73529	SLD 5	16516	48390	54680	2.5	38.34	Si
-111	5X/2Y Ø8/10	-525	-77050	SLD 3	17159	55104	50267	2.5	95.74	-1262	-73399	SLD 5	16498	48390	54662	2.5	38.34	Si
-81	5X/2Y Ø8/10	-525	-76918	SLD 3	17143	55104	50250	2.5	95.71	-1262	-73267	SLD 5	16480	48390	54643	2.5	38.34	Si
-52	5X/2Y Ø8/10	-525	-76786	SLD 3	17126	55104	50233	2.5	95.68	-1262	-73134	SLD 5	16462	48390	54625	2.5	38.34	Si
-22	5X/2Y Ø8/14.7	-525	-76653	SLD 3	17110	37388	50216	2.5	71.21	-1262	-73002	SLD 5	16444	32833	54606	2.5	26.02	Si
7	5X/2Y Ø8/14.7	-525	-76521	SLD 3	17093	37388	50199	2.5	71.21	-1262	-72870	SLD 5	16426	32833	54587	2.5	26.02	Si
36	5X/2Y Ø8/14.7	-525	-76389	SLD 3	17077	37388	50182	2.5	71.21	-1262	-72737	SLD 5	16408	32833	54569	2.5	26.02	Si
66	5X/2Y Ø8/14.7	-525	-76256	SLD 3	17060	37388	50165	2.5	71.21	-1262	-72605	SLD 5	16389	32833	54550	2.5	26.02	Si
95	5X/2Y Ø8/14.7	-525	-76124	SLD 3	17044	37388	50148	2.5	71.21	-1262	-72473	SLD 5	16371	32833	54531	2.5	26.02	Si
125	5X/2Y Ø8/14.7	-525	-75992	SLD 3	17027	37388	50131	2.5	71.21	-1262	-72340	SLD 5	16353	32833	54512	2.5	26.02	Si
154	5X/2Y Ø8/14.7	-525	-75859	SLD 3	17011	37388	50114	2.5	71.21	-1262	-72208	SLD 5	16335	32833	54494	2.5	26.02	Si
184	5X/2Y Ø8/14.7	-525	-75727	SLD 3	16994	37388	50097	2.5	71.21	-1262	-72076	SLD 5	16317	32833	54475	2.5	26.02	Si
213	5X/2Y Ø8/14.7	-525	-75593	SLD 3	16978	37388	50079	2.5	71.21	-1262	-71942	SLD 5	16299	32833	54456	2.5	26.02	Si
242	5X/2Y Ø8/10	-525	-75462	SLD 3	16961	55098	50062	2.5	95.36	-1262	-71811	SLD 5	16281	48385	54438	2.5	38.34	Si
272	5X/2Y Ø8/10	-525	-75330	SLD 3	16945	55098	50045	2.5	95.32	-1262	-71679	SLD 5	16263	48385	54419	2.5	38.34	Si
301	5X/2Y Ø8/10	-525	-75197	SLD 3	16929	55098	50028	2.5	95.29	-1262	-71546	SLD 5	16245	48385	54400	2.5	38.34	Si
331	5X/2Y Ø8/10	-525	-75065	SLD 3	16912	55098	50011	2.5	95.26	-1262	-71414	SLD 5	16227	48385	54381	2.5	38.34	Si
360	5X/2Y Ø8/10	-525	-74935	SLD 3	16896	55098	49995	2.5	95.23	-1262	-71284	SLD 5	16209	48385	54363	2.5	38.34	Si
380	5X/2Y Ø8/10	-1153	-60173	SLD 3	15058	55098	48093	2.5	41.71	1047	-58624	SLD 11	14479	48385	52573	2.5	46.22	Si
409	5X/2Y Ø8/10	-1153	-60043	SLD 3	15042	55098	48077	2.5	41.69	1047	-58493	SLD 11	14461	48385	52555	2.5	46.22	Si
438	5X/2Y Ø8/10	-1153	-59912	SLD 3	15026	55098	48060	2.5	41.68	1047	-58363	SLD 11	14443	48385	52536	2.5	46.22	Si
467	5X/2Y Ø8/14.4	-1153	-59782	SLD 3	15009	38145	48043	2.5	33.08	1047	-58232	SLD 11	14425	33497	52518	2.5	32	Si
496	5X/2Y Ø8/14.4	-1153	-59651	SLD 3	14993	38145	48026	2.5	33.08	1047	-58102	SLD 11	14407	33497	52499	2.5	32	Si
525	5X/2Y Ø8/14.4	-1153	-59521	SLD 3	14977	38145	48009	2.5	33.08	1047	-57971	SLD 11	14390	33497	52481	2.5	32	Si
554	5X/2Y Ø8/14.4	-1153	-59390	SLD 3	14961	38145	47992	2.5	33.08	1047	-57841	SLD 11	14372	33497	52462	2.5	32	Si
583	5X/2Y Ø8/14.4	-1153	-59260	SLD 3	14944	38145	47976	2.5	33.08	1047	-57710	SLD 11	14354	33497	52444	2.5	32	Si
612	5X/2Y Ø8/10	-1153	-59129	SLD 3	14928	55098	47959	2.5	41.59	1047	-57580	SLD 11	14336	48385	52426	2.5	46.22	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
641	5X/2Y Ø8/10	-1153	-58999	SLD 3	14912	55098	47942	2.5	41.58	1047	-57449	SLD 11	14318	48385	52407	2.5	46.22	Si
670	5X/2Y Ø8/10	-1153	-58868	SLD 3	14896	55098	47925	2.5	41.56	1047	-57319	SLD 11	14300	48385	52389	2.5	46.22	Si
690	5X/2Y Ø8/10	-1060	-41510	SLD 3	12734	55098	45690	2.5	43.12	1148	-39434	SLD 11	11856	48385	49860	2.5	42.13	Si
719	5X/2Y Ø8/10	-1060	-41381	SLD 3	12718	55098	45673	2.5	43.11	1148	-39306	SLD 11	11839	48385	49842	2.5	42.13	Si
748	5X/2Y Ø8/10	-1060	-41251	SLD 3	12702	55098	45656	2.5	43.09	1148	-39175	SLD 11	11821	48385	49824	2.5	42.13	Si
777	5X/2Y Ø8/14.4	-1060	-41120	SLD 3	12686	38145	45639	2.5	36	1148	-39045	SLD 11	11803	33497	49805	2.5	29.17	Si
806	5X/2Y Ø8/14.4	-1060	-40990	SLD 3	12670	38145	45623	2.5	36	1148	-38914	SLD 11	11785	33497	49787	2.5	29.17	Si
835	5X/2Y Ø8/14.4	-1060	-40859	SLD 3	12653	38145	45606	2.5	36	1148	-38784	SLD 11	11767	33497	49768	2.5	29.17	Si
864	5X/2Y Ø8/14.4	-1060	-40729	SLD 3	12637	38145	45589	2.5	36	1148	-38653	SLD 11	11750	33497	49750	2.5	29.17	Si
893	5X/2Y Ø8/14.4	-1060	-40598	SLD 3	12621	38145	45572	2.5	36	1148	-38523	SLD 11	11732	33497	49731	2.5	29.17	Si
922	5X/2Y Ø8/10	-1060	-40468	SLD 3	12605	55098	45555	2.5	43	1148	-38392	SLD 11	11714	48385	49713	2.5	42.13	Si
951	5X/2Y Ø8/10	-1060	-40337	SLD 3	12588	55098	45539	2.5	42.98	1148	-38262	SLD 11	11696	48385	49694	2.5	42.13	Si
980	5X/2Y Ø8/10	-1060	-40207	SLD 3	12572	55098	45522	2.5	42.96	1148	-38131	SLD 11	11678	48385	49676	2.5	42.13	Si
1000	4X/2Y Ø8/10	-1131	-24735	SLD 3	10646	44078	43529	2.5	38.48	-1041	-25073	SLD 5	9894	48385	47830	2.5	45.93	Si
1029	4X/2Y Ø8/10	-1131	-24607	SLD 3	10630	44078	43513	2.5	38.47	-1041	-24945	SLD 5	9876	48385	47812	2.5	45.91	Si
1058	4X/2Y Ø8/10	-1131	-24476	SLD 3	10614	44078	43496	2.5	38.45	-1041	-24815	SLD 5	9858	48385	47793	2.5	45.89	Si
1087	4X/2Y Ø8/14.4	-1131	-24346	SLD 3	10598	30516	43479	2.5	26.98	-1041	-24684	SLD 5	9840	33497	47775	2.5	32.16	Si
1116	4X/2Y Ø8/14.4	-1131	-24215	SLD 3	10581	30516	43462	2.5	26.98	-1041	-24554	SLD 5	9823	33497	47756	2.5	32.16	Si
1145	4X/2Y Ø8/14.4	-1131	-24085	SLD 3	10565	30516	43445	2.5	26.98	-1041	-24423	SLD 5	9805	33497	47738	2.5	32.16	Si
1174	4X/2Y Ø8/14.4	-1131	-23954	SLD 3	10549	30516	43429	2.5	26.98	-1041	-24293	SLD 5	9787	33497	47720	2.5	32.16	Si
1203	4X/2Y Ø8/14.4	-1131	-23824	SLD 3	10533	30516	43412	2.5	26.98	-1041	-24162	SLD 5	9769	33497	47701	2.5	32.16	Si
1232	4X/2Y Ø8/10	-1131	-23693	SLD 3	10516	44078	43395	2.5	38.36	-1041	-24032	SLD 5	9751	48385	47683	2.5	45.78	Si
1261	4X/2Y Ø8/10	-1131	-23563	SLD 3	10500	44078	43378	2.5	38.35	-1041	-23901	SLD 5	9733	48385	47664	2.5	45.77	Si
1290	4X/2Y Ø8/10	-1131	-23435	SLD 3	10484	44078	43362	2.5	38.33	-1041	-23773	SLD 5	9716	48385	47646	2.5	45.75	Si
1310	3X/2Y Ø8/10	-761	-8005	SLD 5	4747	28818	22945	2.2	30.15	-980	-6504	SLD 13	4593	22039	21009	2.5	21.43	Si
1340	3X/2Y Ø8/10	-761	-7938	SLD 5	4739	28818	22936	2.2	30.13	-980	-6436	SLD 13	4585	22039	21001	2.5	21.42	Si
1370	3X/2Y Ø8/10	-761	-7870	SLD 5	4731	28818	22926	2.2	30.12	-980	-6369	SLD 13	4576	22039	20992	2.5	21.42	Si
1400	3X/2Y Ø8/14.4	-761	-7803	SLD 5	4723	22672	20977	2.5	27.56	-980	-6301	SLD 13	4568	15258	20983	2.5	15.57	Si
1430	3X/2Y Ø8/14.4	-761	-7735	SLD 5	4714	22672	20969	2.5	27.55	-980	-6234	SLD 13	4559	15258	20975	2.5	15.57	Si
1460	3X/2Y Ø8/14.4	-761	-7668	SLD 5	4706	22672	20960	2.5	27.54	-980	-6166	SLD 13	4551	15258	20966	2.5	15.57	Si
1490	3X/2Y Ø8/14.4	-761	-7600	SLD 5	4698	22672	20952	2.5	27.53	-980	-6099	SLD 13	4543	15258	20957	2.5	15.57	Si
1520	3X/2Y Ø8/14.4	-761	-7533	SLD 5	4689	22672	20943	2.5	27.52	-980	-6031	SLD 13	4534	15258	20949	2.5	15.57	Si
1550	3X/2Y Ø8/10	-761	-7465	SLD 5	4681	28818	22870	2.2	30.05	-980	-5964	SLD 13	4526	22039	20940	2.5	21.36	Si
1580	3X/2Y Ø8/10	-761	-7399	SLD 5	4673	28818	22861	2.2	30.04	-980	-5897	SLD 13	4517	22039	20931	2.5	21.35	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	175311	28655	-87824	SLE RA 12	-51.3	175311	28655	-87824	SLE RA 12	-734.3	Si
-111	162865	25568	-87693	SLE RA 12	-50.4	162865	25568	-87693	SLE RA 12	-723.6	Si
-81	150203	22427	-87561	SLE RA 12	-49.5	150203	22427	-87561	SLE RA 12	-712.8	Si
-52	137542	19286	-87429	SLE RA 12	-48.5	137542	19286	-87429	SLE RA 12	-701.9	Si
-22	124881	16145	-87296	SLE RA 12	-47.6	124881	16145	-87296	SLE RA 12	-691.1	Si
7	112219	13004	-87164	SLE RA 12	-46.7	112219	13004	-87164	SLE RA 12	-680.2	Si
36	99558	9863	-87032	SLE RA 12	-45.8	99558	9863	-87032	SLE RA 12	-669.4	Si
66	86897	6722	-86899	SLE RA 12	-44.8	86897	6722	-86899	SLE RA 12	-658.5	Si
95	74235	3581	-86767	SLE RA 12	-43.9	74235	3581	-86767	SLE RA 12	-647.6	Si
125	61574	440	-86635	SLE RA 12	-43	55219	471	-87223	SLE RA 13	-637.2	Si
154	48913	-2701	-86502	SLE RA 12	-42.5	48913	-2701	-86502	SLE RA 12	-630.5	Si
184	36251	-5842	-86370	SLE RA 12	-42.2	36251	-5842	-86370	SLE RA 12	-625	Si
213	23468	-9013	-86236	SLE RA 12	-41.8	23468	-9013	-86236	SLE RA 12	-619.5	Si
242	10929	-12124	-86105	SLE RA 12	-41.4	10929	-12124	-86105	SLE RA 12	-614	Si
272	-1733	-15265	-85973	SLE RA 12	-41.2	-1733	-15265	-85973	SLE RA 12	-610.5	Si
301	-14394	-18406	-85841	SLE RA 12	-42	-14394	-18406	-85841	SLE RA 12	-619.5	Si
331	-27055	-21547	-85708	SLE RA 12	-42.8	-27055	-21547	-85708	SLE RA 12	-628.6	Si
360	-39501	-24635	-85578	SLE RA 12	-43.6	-39501	-24635	-85578	SLE RA 12	-637.4	Si
380	-26861	85641	-69705	SLE RA 13	-41.1	-26861	85641	-69705	SLE RA 13	-572.1	Si
409	-17951	70021	-69575	SLE RA 13	-39.2	-17951	70021	-69575	SLE RA 13	-552.8	Si
438	-9042	54401	-69444	SLE RA 13	-37.3	-9042	54401	-69444	SLE RA 13	-533.4	Si
467	-132	38780	-69314	SLE RA 13	-35.5	-132	38780	-69314	SLE RA 13	-514.9	Si
496	8777	23160	-69183	SLE RA 13	-34.5	8777	23160	-69183	SLE RA 13	-504.8	Si
525	17687	7540	-69053	SLE RA 13	-33.4	17687	7540	-69053	SLE RA 13	-495.7	Si
554	26597	-8081	-68922	SLE RA 13	-33.8	26597	-8081	-68922	SLE RA 13	-500.3	Si
583	35506	-23701	-68792	SLE RA 13	-35.6	35506	-23701	-68792	SLE RA 13	-517.9	Si
612	44416	-39321	-68661	SLE RA 13	-37.3	44416	-39321	-68661	SLE RA 13	-535.4	Si
641	53325	-54942	-68531	SLE RA 13	-39	53325	-54942	-68531	SLE RA 13	-552.9	Si
670	62235	-70562	-68400	SLE RA 13	-40.8	62235	-70562	-68400	SLE RA 13	-570.5	Si
690	-20561	75087	-48990	SLE RA 13	-30.2	-20561	75087	-48990	SLE RA 13	-415.8	Si
719	-13644	61517	-48862	SLE RA 13	-29.2	-13644	61517	-48862	SLE RA 13	-406	Si
748	-6606	47709	-48731	SLE RA 13	-27.9	-6606	47709	-48731	SLE RA 13	-393.9	Si
777	432	33901	-48601	SLE RA 13	-26.2	432	33901	-48601	SLE RA 13	-377.7	Si
806	7470	20093	-48470	SLE RA 13	-25.3	7470	20093	-48470	SLE RA 13	-368.1	Si
835	14508	6285	-48340	SLE RA 13	-24.3	14508	6285	-48340	SLE RA 13	-359.1	Si
864	21546	-7523	-48209	SLE RA 13	-24.6	21546	-7523	-48209	SLE RA 13	-363.3	Si
893	28584	-21331	-48079	SLE RA 13	-26.2	28584	-21331	-48079	SLE RA 13	-378.7	Si
922	35622	-35139	-47948	SLE RA 13	-27.7	35622	-35139	-47948	SLE RA 13	-394.1	Si
951	42660	-48947	-47818	SLE RA 13	-29.3	42660	-48947	-47818	SLE RA 13	-409.5	Si
980	49698	-62755	-47687	SLE RA 13	-30.8	49698	-62755	-47687	SLE RA 13	-424.9	Si
1000	23739	74846	-29950	SLE RA 13	-22.2	23739	74846	-29950	SLE RA 13	-293.8	Si
1029	17829	59358	-29822	SLE RA 13	-20.5	17829	59358	-29822	SLE RA 13	-275.7	Si
1058	11815	43599	-29692	SLE RA 13	-18.7	11815	43599	-29692	SLE RA 13	-257.4	Si
1087	5801	27840	-29561	SLE RA 13	-16.9	5801	27840	-29561	SLE RA 13	-239	Si
1116	-213	12080	-29431	SLE RA 13	-15.1	-213	12080	-29431	SLE RA 13	-221.1	Si
1145	-6227	-3679	-29300	SLE RA 13	-14.6	-6227	-3679	-29300	SLE RA 13	-216	Si
1174	-12241	-19438	-29170	SLE RA 13	-16.2	-12241	-19438	-29170	SLE RA 13	-232.5	Si
1203	-18255	-35197	-29039	SLE RA 13	-17.9	-18255	-35197	-29039	SLE RA 13	-249	Si
1232	-24268	-50957	-28909	SLE RA 13	-19.6	-24268	-50957	-28909	SLE RA 13	-265.6	Si
1261	-30282	-66716	-28778	SLE RA 13	-21.1	-30282	-66716	-28778	SLE RA 13	-280.8	Si
1290	-36193	-82203	-28650	SLE RA 13	-20.9	-36193	-82203	-28650	SLE RA 13	-273.2	Si
1310	38750	26144	-9267	SLE RA 8	-17.8	38750	26144	-9267	SLE RA 8	-213.1	Si
1340	23530	20427	-9199	SLE RA 8	-15.6	23530	20427	-9199	SLE RA 8	-194.1	Si
1370	8311	14709	-9132	SLE RA 8	-12.7	8311	14709	-9132	SLE RA 8	-168	Si
1400	-8561	8218	-9115	SLE RA 9	-11.5	-8561	8218	-9115	SLE RA 9	-156.3	Si
1430	-23109	2955	-9048	SLE RA 9	-13	-23109	2955	-9048	SLE RA 9	-170.6	Si
1460	-37657	-2308	-8980	SLE RA 9	-15.4	-37657	-2308	-8980	SLE RA 9	-193.3	Si
1490	-53993	-10447	-8236	SLE RA 12	-19.2	-52565	-8161	-8862	SLE RA 8	-228	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1520	-69403	-16623	-8169	SLE RA 12	-23	-67784	-13878	-8794	SLE RA 8	-263.6	Si
1550	-84812	-22800	-8101	SLE RA 12	-26.9	-84812	-22800	-8101	SLE RA 12	-299.6	Si
1580	-99965	-28874	-8035	SLE RA 12	-38.5	-99965	-28874	-8035	SLE RA 12	-386.7	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	147698	23252	-74561	SLE QP 2	-43.4	Si
-111	137265	20940	-74431	SLE QP 2	-42.7	Si
-81	126652	18587	-74299	SLE QP 2	-41.9	Si
-52	116038	16234	-74166	SLE QP 2	-41.1	Si
-22	105424	13882	-74034	SLE QP 2	-40.4	Si
7	94811	11529	-73902	SLE QP 2	-39.6	Si
36	84197	9177	-73769	SLE QP 2	-38.8	Si
66	73584	6824	-73637	SLE QP 2	-38.1	Si
95	62970	4471	-73505	SLE QP 2	-37.3	Si
125	52356	2119	-73372	SLE QP 2	-36.6	Si
154	41743	-234	-73240	SLE QP 2	-35.8	Si
184	31129	-2586	-73108	SLE QP 2	-35.5	Si
213	20413	-4962	-72974	SLE QP 2	-35.1	Si
242	9902	-7292	-72843	SLE QP 2	-34.8	Si
272	-711	-9644	-72710	SLE QP 2	-34.5	Si
301	-11325	-11997	-72578	SLE QP 2	-35.2	Si
331	-21939	-14350	-72446	SLE QP 2	-35.8	Si
360	-32372	-16662	-72316	SLE QP 2	-36.4	Si
380	-19453	51407	-58104	SLE QP 2	-32.3	Si
409	-12815	41489	-57974	SLE QP 2	-31.1	Si
438	-6176	31571	-57843	SLE QP 2	-29.8	Si
467	462	21654	-57713	SLE QP 2	-28.6	Si
496	7101	11736	-57582	SLE QP 2	-28	Si
525	13740	1818	-57452	SLE QP 2	-27.4	Si
554	20378	-8100	-57321	SLE QP 2	-28.2	Si
583	27017	-18017	-57191	SLE QP 2	-29.3	Si
612	33655	-27935	-57060	SLE QP 2	-30.4	Si
641	40294	-37853	-56930	SLE QP 2	-31.5	Si
670	46932	-47770	-56799	SLE QP 2	-32.7	Si
690	-18039	50247	-40439	SLE QP 2	-24	Si
719	-12567	41357	-40311	SLE QP 2	-23.3	Si
748	-6999	32312	-40180	SLE QP 2	-22.4	Si
777	-1431	23266	-40050	SLE QP 2	-21.3	Si
806	4137	14221	-39919	SLE QP 2	-20.5	Si
835	9705	5175	-39789	SLE QP 2	-19.9	Si
864	15273	-3870	-39658	SLE QP 2	-19.9	Si
893	20841	-12916	-39528	SLE QP 2	-21	Si
922	26409	-21961	-39397	SLE QP 2	-22	Si
951	31977	-31007	-39267	SLE QP 2	-23	Si
980	37545	-40052	-39136	SLE QP 2	-24.1	Si
1000	14656	53449	-24125	SLE QP 2	-17.1	Si
1029	10569	42045	-23997	SLE QP 2	-15.8	Si
1058	6411	30441	-23866	SLE QP 2	-14.4	Si
1087	2253	18837	-23736	SLE QP 2	-13.1	Si
1116	-1906	7234	-23605	SLE QP 2	-12	Si
1145	-6064	-4370	-23475	SLE QP 2	-11.9	Si
1174	-10222	-15974	-23344	SLE QP 2	-13.1	Si
1203	-14381	-27578	-23214	SLE QP 2	-14.2	Si
1232	-18539	-39181	-23083	SLE QP 2	-15.4	Si
1261	-22697	-50785	-22953	SLE QP 2	-16.6	Si
1290	-26784	-62189	-22824	SLE QP 2	-16.3	Si
1310	30461	22229	-6895	SLE QP 2	-14	Si
1340	18103	16942	-6828	SLE QP 2	-12	Si
1370	5746	11654	-6760	SLE QP 2	-9.5	Si
1400	-6611	6367	-6693	SLE QP 2	-8.6	Si
1430	-18969	1079	-6625	SLE QP 2	-9.7	Si
1460	-31326	-4208	-6558	SLE QP 2	-12.4	Si
1490	-43684	-9496	-6490	SLE QP 2	-15.6	Si
1520	-56041	-14784	-6423	SLE QP 2	-18.7	Si
1550	-68398	-20071	-6355	SLE QP 2	-21.8	Si
1580	-80550	-25271	-6289	SLE QP 2	-24.9	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

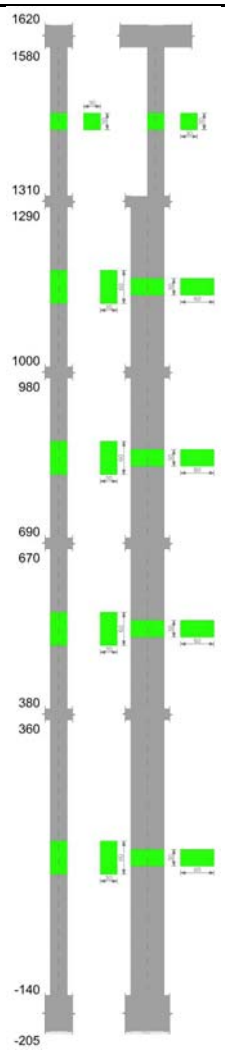
Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 1600 in quanto elemento di estremità superiore alla pilastrata.

Pilastro 59

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60	No	No	No	No		C30/37	B450C	
380	670	R 30x60	No	No	No	No		C30/37	B450C	
690	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1290	R 30x60	No	No	No	No		C30/37	B450C	
1310	1580	R 30x30 1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-15.42	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-5.14	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	5.14	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	15.42	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-15.42	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-5.14	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	5.14	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	15.42	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-15.42	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-5.14	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	5.14	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	15.42	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-15.42	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-5.14	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	5.14	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	15.42	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-15.42	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-5.14	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	5.14	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	15.42	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-15.42	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-5.14	1.6	2.011	380	690	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.3	9.9	5.14	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	15.42	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	-12.85	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	12.85	1.6	2.011	690	1000	R 30x60	B450C
p.5	-9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.7	9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.7	-9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.8	-9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.8	-9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.8	9.9	-12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.8	9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.7	-9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.7	9.9	12.85	1.6	2.011	1000	1310	R 30x60	B450C
p.9	-9.67	5.33	1.6	2.011	1310	1620	R 30x30_1	B450C
p.9	9.67	5.33	1.6	2.011	1310	1620	R 30x30_1	B450C
p.9	9.67	24.67	1.6	2.011	1310	1620	R 30x30_1	B450C
p.9	-9.67	24.67	1.6	2.011	1310	1620	R 30x30_1	B450C
p.10	-9.9	15	1.6	2.011	1310	1620	R 30x30_1	B450C
p.11	9.9	15	1.6	2.011	1310	1620	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	2.7	0	1,2	376692	-376692	-138873	850820	-850820	SLU 52	2.259	Si
-111	24.13	2.7	0	1,2	376233	-376233	-138703	850820	-850820	SLU 52	2.261	Si
-81	24.13	1.3	0	2	375766	-375766	-138531	850820	-850820	SLU 52	2.264	Si
-52	24.13	1.3	0	2	375300	-375300	-138359	850820	-850820	SLU 52	2.267	Si
-22	24.13	1.3	0	2	374833	-374833	-138187	850820	-850820	SLU 52	2.27	Si
7	24.13	1.3	0	2	374366	-374366	-138015	850820	-850820	SLU 52	2.273	Si
36	24.13	1.3	0	2	373900	-373900	-137843	850820	-850820	SLU 52	2.276	Si
66	24.13	1.3	0	2	373433	-373433	-137671	850820	-850820	SLU 52	2.278	Si
95	24.13	1.3	0	2	372966	-372966	-137499	850820	-850820	SLU 52	2.281	Si
125	24.13	1.3	0	2	372499	372499	-137327	850820	850820	SLU 52	2.284	Si
154	24.13	1.3	0	2	372033	372033	-137155	850820	850820	SLU 52	2.287	Si
184	24.13	1.3	0	2	371566	371566	-136983	850820	850820	SLU 52	2.29	Si
213	24.13	1.3	0	2	371095	371095	-136809	850820	850820	SLU 52	2.293	Si
242	24.13	1.3	0	2	370633	370633	-136639	850820	850820	SLU 52	2.296	Si
272	24.13	1.3	0	2	370166	370166	-136467	850820	850820	SLU 52	2.298	Si
301	24.13	1.3	0	2	369699	369699	-136295	850820	850820	SLU 52	2.301	Si
331	24.13	1.3	0	2	-369232	369232	-136123	-850820	850820	SLU 52	2.304	Si
360	24.13	1.3	0	2	-368774	368774	-135953	-850820	850820	SLU 52	2.307	Si
380	24.13	2.7	0	2,3	212864	-212864	-106432	673235	-673235	SLU 52	3.163	Si
409	24.13	2.7	0	2,3	212525	-212525	-106262	673235	-673235	SLU 52	3.168	Si
438	24.13	1.3	0	3	212185	-212185	-106093	673235	-673235	SLU 52	3.173	Si
467	24.13	1.3	0	3	211846	211846	-105923	673235	673235	SLU 52	3.178	Si
496	24.13	1.3	0	3	211507	211507	-105753	673235	673235	SLU 52	3.183	Si
525	24.13	1.3	0	3	211167	211167	-105584	673235	673235	SLU 52	3.188	Si
554	24.13	1.3	0	3	210828	210828	-105414	673235	673235	SLU 52	3.193	Si
583	24.13	1.3	0	3	210489	210489	-105244	673235	673235	SLU 52	3.198	Si
612	24.13	1.3	0	3	210149	210149	-105075	673235	673235	SLU 52	3.204	Si
641	24.13	1.3	0	3	-209810	209810	-104905	-673235	673235	SLU 52	3.209	Si
670	24.13	1.3	0	3	-209471	209471	-104735	-673235	673235	SLU 52	3.214	Si
690	24.13	2.5	0	3,4	150948	-150948	-75474	673235	-673235	SLU 52	4.46	Si
719	21.83	2.5	0	3,4	150615	-150615	-75307	658510	-658510	SLU 52	4.372	Si
748	20.11	1.1	0	4	150275	-150275	-75138	647491	-647491	SLU 52	4.309	Si
777	20.11	1.1	0	4	149936	-149936	-74968	647491	-647491	SLU 52	4.318	Si
806	20.11	1.1	0	4	149597	-149597	-74798	647491	-647491	SLU 52	4.328	Si
835	20.11	1.1	0	4	149257	149257	-74629	647491	647491	SLU 52	4.338	Si
864	20.11	1.1	0	4	148918	148918	-74459	647491	647491	SLU 52	4.348	Si
893	20.11	1.1	0	4	148579	148579	-74289	647491	647491	SLU 52	4.358	Si
922	20.11	1.1	0	4	148239	148239	-74120	647491	647491	SLU 52	4.368	Si
951	20.11	1.1	0	4	147900	147900	-73950	647491	647491	SLU 52	4.378	Si
980	20.11	1.1	0	4	147561	147561	-73780	647491	647491	SLU 52	4.388	Si
1000	20.11	2.2	0	4,5,7,8	119820	91584	-45792	835567	638660	SLU 52	6.973	Si
1029	20.11	2.2	0	4,5,7,8	91251	91251	-45625	647491	647491	SLU 52	7.096	Si
1058	20.11	1.1	0	5,7,8	90911	90911	-45456	647491	647491	SLU 52	7.122	Si
1087	20.11	1.1	0	5,7,8	90572	90572	-45286	647491	647491	SLU 52	7.149	Si
1116	20.11	1.1	0	5,7,8	-90233	-90233	-45116	-647491	-647491	SLU 52	7.176	Si
1145	20.11	1.1	0	5,7,8	-89893	-89893	-44947	-647491	-647491	SLU 52	7.203	Si
1174	20.11	1.1	0	5,7,8	-108961	-89554	-44777	-780728	-641673	SLU 52	7.165	Si
1203	20.11	1.1	0	5,7,8	-147201	-89215	-44607	-1033860	-626595	SLU 52	7.023	Si
1232	20.11	1.1	0	5,7,8	-185441	-88875	-44438	-1269292	-608327	SLU 52	6.845	Si
1261	20.5	1.8	0	5,6,7,8	-223681	-88536	-44268	-1496723	-592423	SLU 52	6.691	Si
1290	31.04	2.5	0	5,6,7,8	-261262	-88203	-44101	-1878927	-634330	SLU 52	7.192	Si
1310	20.11	3.6	0	6,7,9,10,11	-100149	27386	-13693	-917547	250906	SLU 51	9.162	Si
1340	15.34	3.6	0	6,7,9,10,11	-65207	28706	-14353	-638688	281169	SLU 47	9.795	Si
1370	12.06	1.3	0	9,10,11	-35391	28531	-14265	-379723	306112	SLU 47	10.729	Si
1400	12.06	1.3	0	9,10,11	-28490	-28490	-14245	-316346	-316346	SLU 48	11.104	Si
1430	12.06	1.3	0	9,10,11	28314	-28314	-14157	316346	-316346	SLU 48	11.173	Si
1460	12.06	1.3	0	9,10,11	54649	-28139	-14069	534995	-275467	SLU 48	9.79	Si
1490	12.06	1.3	0	9,10,11	90390	-33996	-13234	722213	-271623	SLU 52	7.99	Si
1520	12.06	1.3	0	9,10,11	121849	-43021	-13146	786581	-277719	SLU 52	6.455	Si
1550	12.06	1.3	0	9,10,11	153431	-52085	-12991	815051	-276685	SLU 51	5.312	Si
1580	12.06	1.3	0	9,10,11	182722	-62171	-11497	807463	-274737	SLU 49	4.419	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	24.13	2.7	0	1,2	722504	-288735	-80713	-2.02	1.92	1729151	-691023	SLV 9	2.393				Si
-111	24.13	2.7	0	1,2	-518936	-269909	-94276	-2.02	1.92	-1306891	-679741	SLV 15	2.518				Si
-81	24.13	1.3	0	2	-472739	-239705	-94144	-2.02	1.92	-1247533	-632570	SLV 15	2.639				Si
-52	24.13	1.3	0	2	-426553	-209501	-94012	-2.02	1.92	-1179653	-579384	SLV 15	2.766				Si
-22	24.13	1.3	0	2	-380382	-179295	-93879	-2.02	1.92	-1103205	-520001	SLV 15	2.9				Si
7	24.13	1.3	0	2	-334231	-149087	-93747	-2.02	1.92	-1018698	-454402	SLV 15	3.048				Si
36	24.13	1.3	0	2	-288109	-118877	-93615	-2.02	1.92	-925099	-381706	SLV 15	3.211				Si
66	24.13	1.3	0	2	-242034	-88662	-93482	-2.02	1.92	-821011	-300752	SLV 15	3.392				Si
95	24.13	1.3	0	2	-196034	-58439	-93350	-2.02	1.92	-704496	-210015	SLV 15	3.594				Si
125	24.13	1.3	0	2	-150171	-28226	-93217	-2.02	1.92	-555795	-104467	SLV 15	3.701				Si
154	24.13	1.3	0	2	-104642	2842	-93085	-2.02	1.92	-387839	10532	SLV 15	3.706				Si
184	24.13	1.3	0	2	-60135	41395	-92953	-2.02	1.92	-223197	153643	SLV 15	3.712				Si
213	24.13	1.3	0	2	-16632	80617	-92819	-2.02	1.92	-61820	299651	SLV 15	3.717				Si
242	24.13	1.3	0	2	802	120174	-92688	-2.02	1.92	2983	447314	SLV 15	3.722				Si
272	24.13	1.3	0	2	-8902	157578	-92556	-2.02	1.92	-31825	563355	SLV 15	3.575				Si
301	24.13	1.3	0	2	131621	152812	-92423	-2.02	1.92	447302	519316	SLV 15	3.398				Si
331	24.13	1.3	0	2	177133	183023	-92291	-2.02	1.92	571072	590062	SLV 15	3.224				Si
360	24.13	1.3	0	2	222187	212718	-92161	-2.02	1.92	681760	652704	SLV 15	3.068				Si
380	24.13	2.7	0	2,3	-247571	-417667	-70171	-2.02	1.92	-698131	-1177788	SLV 15	2.82				Si
409	24.13	2.7	0	2,3	-199063	-337423	-70041	-2.02	1.92	-637970	-1081396	SLV 15	3.205				Si
438	24.13	1.3	0	3	-150899	-257218	-69910	-2.02	1.92	-548051	-934191	SLV 15	3.632				Si
467	24.13	1.3	0	3	-103547	-177108	-69780	-2.02	1.92	-427156	-730613	SLV 15	4.125				Si
496	24.13	1.3	0	3	-58928	-97341	-69649	-2.02	1.92	-280219	-462884	SLV 15	4.755				Si
525	24.13	1.3	0	3	-24806	-18743	-69519	-2.02	1.92	-123105	-93017	SLV 15	4.963				Si
554	24.13	1.3	0	3	61640	66344	-69388	-2.02	1.92	306481	329868	SLV 15	4.972				Si
583	24.13	1.3	0	3	104311	145526	-69258	-2.02	1.92	451200	629476	SLV 15	4.326				Si
612	24.13	1.3	0	3	151236	225547	-69127	-2.02	1.92	574751	857161	SLV 15	3.8				Si
641	24.13	1.3	0	3	199245	305722	-68997	-2.02	1.92	669058	1026603	SLV 15	3.358				Si
670	24.13	1.3	0	3	247681	385952	-68866	-2.02	1.92	732014	1140670	SLV 15	2.955				Si
690	24.13	2.5	0	3,4	279362	341122	-41701	-2.02	1.92	972751	1187802	SLV 1	3.482				Si
719	21.83	2.5	0	3,4	227998	272587	-41572	-2.02	1.92	934940	1117782	SLV 1	4.101				Si
748	20.11	1.1	0	4	-139869	-170202	-46987	-2.02	1.92	-710573	-864671	SLV 15	5.08				Si
777	20.11	1.1	0	4	-87968	-97423	-46856	-2.02	1.92	-535033	-592535	SLV 15	6.082				Si
806	20.11	1.1	0	4	78461	-63529	-45882	-2.02	1.92	524785	-424910	SLV 13	6.688				Si
835	20.11	1.1	0	4	51433	14758	-46595	-2.02	1.92	363459	104289	SLV 15	7.067				Si
864	20.11	1.1	0	4	89044	79661	-46465	-2.02	1.92	564204	504749	SLV 15	6.336				Si
893	20.11	1.1	0	4	138731	148262	-46334	-2.02	1.92	740246	791105	SLV 15	5.336				Si
922	20.11	1.1	0	4	191037	217452	-46204	-2.02	1.92	860581	979575	SLV 15	4.505				Si
951	20.11	1.1	0	4	244113	286793	-46073	-2.02	1.92	921541	1082661	SLV 15	3.775				Si
980	20.11	1.1	0	4	297515	356195	-45943	-2.02	1.92	941516	1127217	SLV 15	3.165				Si
1000	20.11	2.2	0	4,5,7,8	131858	339768	-27261	-2.02	1.92	509823	1313697	SLV 3	3.866				Si
1029	20.11	2.2	0	4,5,7,8	95233	271965	-27133	-2.02	1.92	464195	1325643	SLV 3	4.874				Si
1058	20.11	1.1	0	5,7,8	-86458	203118	-27002	-2.02	1.92	-533840	1254162	SLV 3	6.175				Si
1087	20.11	1.1	0	5,7,8	-17537	131076	-28498	-2.02	1.92	-146375	1094025	SLV 1	8.347				Si
1116	20.11	1.1	0	5,7,8	-43983	67802	-28368	-2.02	1.92	-434974	670527	SLV 1	9.89				Si
1145	20.11	1.1	0	5,7,8	-130303	14222	-28919	-2.02	1.92	-1297244	141587	SLV 5	9.956				Si
1174	20.11	1.1	0	5,7,8	-181569	-55783	-28107	-2.02	1.92	-1525186	-468578	SLV 1	8.4				Si
1203	20.11	1.1	0	5,7,8	-256782	-107089	-27976	-2.02	1.92	-1666037	-694809	SLV 1	6.488				Si
1232	20.11	1.1	0	5,7,8	-333136	-158883	-27846	-2.02	1.92	-1659609	-791518	SLV 1	4.982				Si
1261	20.5	1.8	0	5,6,7,8	-409962	-210775	-27715	-2.02	1.92	-1609086	-827285	SLV 1	3.925				Si
1290	31.04	2.5	0	5,6,7,8	-485699	-261809	-27587	-2.02	1.92	-1738776	-937263	SLV 1	3.58				Si
1310	20.11	3.6	0	6,7,9,10,11	-264058	-103956	-9741	-2.02	1.92	-711034	-279925	SLV 3	2.693				Si
1340	15.34	3.6	0	6,7,9,10,11	-156937	-77040	-10602	-2.02	1.92	-592395	-290804	SLV 1	3.775				Si
1370	12.06	1.3	0	9,10,11	-101642	67529	-6858	-2.02	1.92	-485760	322732	SLV 7	4.779				Si
1400	12.06	1.3	0	9,10,11	-52085	-54842	-10467	-2.02	1.92	-396370	-417351	SLV 1	7.61				Si
1430	12.06	1.3	0	9,10,11	20509	-62741	-9820	-2.02	1.92	184684	-564999	SLV 5	9.005				Si
1460	12.06	1.3	0	9,10,11	23546	-72746	-8326	-2.02	1.92	189631	-585859	SLV 9	8.053				Si
1490	12.06	1.3	0	9,10,11	104323	58820	-6588	-2.02	1.92	518615	292412	SLV 7	4.971				Si
1520	12.06	1.3	0	9,10,11	155078	81530	-6520	-2.02	1.92	520863	273837	SLV 7	3.359				Si
1550	12.06	1.3	0	9,10,11	206036	107095	-6453	-2.02	1.92	483521	251327	SLV 7	2.347				Si
1580	12.06	1.3	0	9,10,11	256212	133504	-6387	-2.02	1.92	455628	237413	SLV 7	1.778				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	2.7	0	1,2	353201	-122421	-82235	1196015	-414543	SLD 9	3.386	Si
-111	24.13	2.7	0	1,2	326346	-110023	-82105	1137075	-383348	SLD 9	3.484	Si
-81	24.13	1.3	0	2	299030	-97413	-81973	1073513	-349713	SLD 9	3.59	Si
-52	24.13	1.3	0	2	271718	-84809	-81841	1005963	-313983	SLD 9	3.702	Si
-22	24.13	1.3	0	2	244413	-72212	-81708	934005	-275954	SLD 9	3.821	Si
7	24.13	1.3	0	2	217116	-59627	-81576	857279	-235434	SLD 9	3.948	Si
36	24.13	1.3	0	2	-71290	-47837	-86789	-283391	-190160	SLD 15	3.975	Si
66	24.13	1.3	0	2	-58096	-34692	-86657	-231295	-138119	SLD 15	3.981	Si
95	24.13	1.3	0	2	-44941	-21550	-86525	-179197	-85928	SLD 15	3.987	Si
125	24.13	1.3	0	2	-31860	-8432	-86392	-127233	-33672	SLD 15	3.993	Si
154	24.13	1.3	0	2	-18959	4983	-86260	-75827	19931	SLD 15	4	Si
184	24.13	1.3	0	2	-6605	21728	-86128	-26458	87037	SLD 15	4.006	Si
213	24.13	1.3	0	2	5163	38392	-85994	20714	154027	SLD 15	4.012	Si
242	24.13	1.3	0	2	7291	55201	-85863	29295	221803	SLD 15	4.018	Si
272	24.13	1.3	0	2	-1242	71175	-85731	-4998	286428	SLD 15	4.024	Si
301	24.13	1.3	0	2	50104	70443	-85598	201944	283920	SLD 15	4.031	Si
331	24.13	1.3	0	2	63015	83588	-85466	254377	337426	SLD 15	4.037	Si
360	24.13	1.3	0	2	75866	96510	-85336	302323	384590	SLD 15	3.985	Si
380	24.13	2.7	0	2,3	-83305	-167067	-65983	-366781	-735576	SLD 15	4.403	Si
409	24.13	2.7	0	2,3	-66340	-134757	-65853	-309904	-629506	SLD 15	4.671	Si
438	24.13	1.3	0	3	-49568	-102470	-65722	-246552	-509691	SLD 15	4.974	Si
467	24.13	1.3	0	3	-33240	-70241	-65592	-174836	-369459	SLD 15	5.26	Si
496	24.13	1.3	0	3	-18327	-38219	-65461	-96588	-201428	SLD 15	5.27	Si
525	24.13	1.3	0	3	-7423	-6766	-65331	-39201	-35732	SLD 15	5.281	Si
554	24.13	1.3	0	3	28451	28309	-65200	150548	149795	SLD 15	5.291	Si
583	24.13	1.3	0	3	42399	59998	-65070	224802	318116	SLD 15	5.302	Si
612	24.13	1.3	0	3	58491	92176	-64939	296858	467818	SLD 15	5.075	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
641	24.13	1.3	0	3	75176	124444	-64809	359043	594354	SLD 15	4.776	Si
670	24.13	1.3	0	3	92098	156746	-64678	415293	706806	SLD 15	4.509	Si
690	24.13	2.5	0	3,4	120624	134396	-43384	724086	806755	SLD 1	6.003	Si
719	21.83	2.5	0	3,4	100886	107543	-43256	638467	680595	SLD 1	6.329	Si
748	20.11	1.1	0	4	80997	68178	-43126	561047	472255	SLD 1	6.927	Si
777	20.11	1.1	0	4	-24261	-37776	-45173	-176846	-275355	SLD 15	7.289	Si
806	20.11	1.1	0	4	26878	-18206	-45042	196487	-133091	SLD 15	7.31	Si
835	20.11	1.1	0	4	33482	6667	-44912	245473	48881	SLD 15	7.332	Si
864	20.11	1.1	0	4	47704	31453	-44781	350759	231271	SLD 15	7.353	Si
893	20.11	1.1	0	4	67005	57966	-44651	469111	405829	SLD 15	7.001	Si
922	20.11	1.1	0	4	87624	84825	-44520	567814	549679	SLD 15	6.48	Si
951	20.11	1.1	0	4	108635	111773	-44390	654862	673781	SLD 15	6.028	Si
980	20.11	1.1	0	4	129813	138758	-44259	730782	781139	SLD 15	5.63	Si
1000	20.11	2.2	0	4,5,7,8	93107	147089	-26708	692346	1093754	SLD 3	7.436	Si
1029	20.11	2.2	0	4,5,7,8	65896	117561	-26580	562740	1003939	SLD 3	8.54	Si
1058	20.11	1.1	0	5,7,8	-19850	87579	-26449	-199137	878579	SLD 3	10.032	Si
1087	20.11	1.1	0	5,7,8	-5648	56339	-26960	-63719	635561	SLD 1	11.281	Si
1116	20.11	1.1	0	5,7,8	-16262	21054	-27093	-197634	255874	SLD 5	12.153	Si
1145	20.11	1.1	0	5,7,8	-79026	4137	-26963	-942183	49321	SLD 5	11.922	Si
1174	20.11	1.1	0	5,7,8	-110589	-26314	-26568	-1173783	-279299	SLD 1	10.614	Si
1203	20.11	1.1	0	5,7,8	-153055	-49294	-26438	-1419662	-457228	SLD 1	9.275	Si
1232	20.11	1.1	0	5,7,8	-196113	-72530	-26307	-1588673	-587554	SLD 1	8.101	Si
1261	20.5	1.8	0	5,6,7,8	-239423	-95821	-26177	-1692096	-677206	SLD 1	7.067	Si
1290	31.04	2.5	0	5,6,7,8	-282112	-118730	-26049	-1893138	-796751	SLD 1	6.711	Si
1310	20.11	3.6	0	6,7,9,10,11	-116951	-64689	-7497	-616527	-341015	SLD 7	5.272	Si
1340	15.34	3.6	0	6,7,9,10,11	-87042	-33982	-8887	-631849	-246676	SLD 1	7.259	Si
1370	12.06	1.3	0	9,10,11	-54948	-32335	-8819	-512959	-301855	SLD 1	9.335	Si
1400	12.06	1.3	0	9,10,11	-22942	-27324	-8752	-304289	-362414	SLD 1	13.264	Si
1430	12.06	1.3	0	9,10,11	17436	-31378	-8455	236716	-426009	SLD 5	13.577	Si
1460	12.06	1.3	0	9,10,11	36023	-31569	-8387	411979	-361041	SLD 5	11.436	Si
1490	12.06	1.3	0	9,10,11	47554	-44587	-8320	425438	-398900	SLD 5	8.946	Si
1520	12.06	1.3	0	9,10,11	118679	9005	-8113	757670	57493	SLD 3	6.384	Si
1550	12.06	1.3	0	9,10,11	155611	15030	-8046	750474	72488	SLD 3	4.823	Si
1580	12.06	1.3	0	9,10,11	191964	21316	-7980	738609	82015	SLD 3	3.848	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	600	-130120	SLU 46	15366	51797	52691	2.35	86.36	-447	-138560	SLU 51	15029	48390	55356	2.5	108.21	Si
-111	5X/2Y Ø8/10	600	-129951	SLU 46	15366	51797	52691	2.35	86.36	-447	-138391	SLU 51	15029	48390	55356	2.5	108.21	Si
-81	5X/2Y Ø8/10	600	-129779	SLU 46	15366	51797	52691	2.35	86.36	-447	-138219	SLU 51	15029	48390	55356	2.5	108.21	Si
-52	5X/2Y Ø8/10	600	-129607	SLU 46	15366	51797	52691	2.35	86.36	-447	-138047	SLU 51	15029	48390	55356	2.5	108.21	Si
-22	5X/2Y Ø8/14.7	600	-129435	SLU 46	15366	37388	50429	2.5	62.33	-447	-137875	SLU 51	15029	32833	55356	2.5	73.42	Si
7	5X/2Y Ø8/14.7	600	-129263	SLU 46	15366	37388	50429	2.5	62.33	-447	-137703	SLU 51	15029	32833	55356	2.5	73.42	Si
36	5X/2Y Ø8/14.7	600	-129091	SLU 46	15366	37388	50429	2.5	62.33	-447	-137531	SLU 51	15029	32833	55356	2.5	73.42	Si
66	5X/2Y Ø8/14.7	600	-128919	SLU 46	15366	37388	50429	2.5	62.33	-447	-137359	SLU 51	15029	32833	55356	2.5	73.42	Si
95	5X/2Y Ø8/14.7	600	-128746	SLU 46	15366	37388	50429	2.5	62.33	-447	-137187	SLU 51	15029	32833	55356	2.5	73.42	Si
125	5X/2Y Ø8/14.7	600	-128574	SLU 46	15366	37388	50429	2.5	62.33	-447	-137015	SLU 51	15029	32833	55356	2.5	73.42	Si
154	5X/2Y Ø8/14.7	600	-128402	SLU 46	15366	37388	50429	2.5	62.33	-447	-136843	SLU 51	15029	32833	55356	2.5	73.42	Si
184	5X/2Y Ø8/14.7	600	-128230	SLU 46	15366	37388	50429	2.5	62.33	-447	-136671	SLU 51	15029	32833	55356	2.5	73.42	Si
213	5X/2Y Ø8/14.7	600	-128057	SLU 46	15366	37388	50429	2.5	62.33	-447	-136497	SLU 51	15029	32833	55356	2.5	73.42	Si
242	5X/2Y Ø8/10	600	-127886	SLU 46	15366	51792	52691	2.35	86.35	-447	-136327	SLU 51	15029	48385	55356	2.5	108.2	Si
272	5X/2Y Ø8/10	600	-127714	SLU 46	15366	51792	52691	2.35	86.35	-447	-136155	SLU 51	15029	48385	55356	2.5	108.2	Si
301	5X/2Y Ø8/10	600	-127542	SLU 46	15366	51792	52691	2.35	86.35	-447	-135982	SLU 51	15029	48385	55356	2.5	108.2	Si
331	5X/2Y Ø8/10	600	-127370	SLU 46	15366	51792	52691	2.35	86.35	-447	-135810	SLU 51	15029	48385	55356	2.5	108.2	Si
360	5X/2Y Ø8/10	600	-127201	SLU 46	15366	51792	52691	2.35	86.35	-447	-135641	SLU 51	15029	48385	55356	2.5	108.2	Si
380	5X/2Y Ø8/10	275	-87758	SLU 38	15366	51792	52691	2.35	188.52	-246	-79708	SLU 32	15029	48385	55356	2.5	196.71	Si
409	5X/2Y Ø8/10	275	-87589	SLU 38	15366	51792	52691	2.35	188.52	-246	-79539	SLU 32	15029	48385	55356	2.5	196.71	Si
438	5X/2Y Ø8/10	275	-87419	SLU 38	15366	51792	52691	2.35	188.52	-246	-79369	SLU 32	15029	48385	55356	2.5	196.71	Si
467	5X/2Y Ø8/14.4	275	-87249	SLU 38	15366	38145	50429	2.5	138.85	-246	-79199	SLU 32	15029	33497	55356	2.5	136.18	Si
496	5X/2Y Ø8/14.4	275	-87080	SLU 38	15366	38145	50429	2.5	138.85	-246	-79030	SLU 32	15029	33497	55356	2.5	136.18	Si
525	5X/2Y Ø8/14.4	275	-86910	SLU 38	15366	38145	50429	2.5	138.85	-246	-78860	SLU 32	15029	33497	55356	2.5	136.18	Si
554	5X/2Y Ø8/14.4	275	-86740	SLU 38	15366	38145	50429	2.5	138.85	-246	-78690	SLU 32	15029	33497	55356	2.5	136.18	Si
583	5X/2Y Ø8/14.4	275	-86571	SLU 38	15366	38145	50429	2.5	138.85	-246	-78521	SLU 32	15029	33497	55356	2.5	136.18	Si
612	5X/2Y Ø8/10	275	-86401	SLU 38	15366	51792	52691	2.35	188.52	-246	-78351	SLU 32	15029	48385	55356	2.5	196.71	Si
641	5X/2Y Ø8/10	275	-86231	SLU 38	15366	51792	52691	2.35	188.52	-246	-78181	SLU 32	15029	48385	55338	2.5	196.71	Si
670	5X/2Y Ø8/10	275	-86062	SLU 38	15366	51792	52691	2.35	188.52	-246	-78012	SLU 32	15029	48385	55314	2.5	196.71	Si
690	5X/2Y Ø8/10	187	-62850	SLU 38	15366	50690	51364	2.3	270.84	91	-64747	SLU 21	15029	48385	53439	2.5	532.34	Si
719	5X/2Y Ø8/10	187	-62683	SLU 38	15366	50690	51342	2.3	270.84	91	-64619	SLU 21	15029	48385	53421	2.5	532.34	Si
748	5X/2Y Ø8/10	187	-62513	SLU 38	15349	50690	51318	2.3	270.84	91	-64489	SLU 21	15029	48385	53402	2.5	532.34	Si
777	5X/2Y Ø8/14.4	187	-62344	SLU 38	15328	38145	48373	2.5	203.81	91	-64358	SLU 21	15029	33497	53384	2.5	368.54	Si
806	5X/2Y Ø8/14.4	187	-62174	SLU 38	15307	38145	48351	2.5	203.81	91	-64228	SLU 21	15029	33497	53365	2.5	368.54	Si
835	5X/2Y Ø8/14.4	187	-62004	SLU 38	15286	38145	48329	2.5	203.81	91	-64097	SLU 21	15029	33497	53347	2.5	368.54	Si
864	5X/2Y Ø8/14.4	187	-61835	SLU 38	15265	38145	48307	2.5	203.81	91	-63967	SLU 21	15029	33497	53329	2.5	368.54	Si
893	5X/2Y Ø8/14.4	187	-61665	SLU 38	15244	38145	48285	2.5	203.81	91	-63836	SLU 21	15029	33497	53310	2.5	368.54	Si
922	5X/2Y Ø8/10	187	-61495	SLU 38	15223	50690	51179	2.3	270.84	91	-63706	SLU 21	15029	48385	53292	2.5	532.34	Si
951	5X/2Y Ø8/10	187	-61326	SLU 38	15202	50690	51156	2.3	270.84	91	-63575	SLU 21	15029	48385	53273	2.5	532.34	Si
980	5X/2Y Ø8/10	187	-61156	SLU 38	15180	50690	51133	2.3	270.84	91	-63445	SLU 21	15029	48385	53255	2.5	532.34	Si
1000	4X/2Y Ø8/10	-307	-35129	SLU 42	11940	44078	44868	2.5	143.58	-1319	-45792	SLU 52	12725	48385	50759	2.5	36.69	Si
1029	4X/2Y Ø8/10	-307	-34962	SLU 42	11919	44078	44846	2.5	143.58	-1319	-45625	SLU 52	12702	48385	50735	2.5	36.69	Si
1058	4X/2Y Ø8/10	-307	-34793	SLU 42	11898	44078	44824	2.5	143.58	-1319	-45456	SLU 52	12679	48385	50712	2.5	36.69	Si
1087	4X/2Y Ø8/14.4	-307	-34623	SLU 42	11877	30516	44803	2.5	99.4	-1319	-45286	SLU 52	12656	33497	50688	2.5	25.4	Si
1116	4X/2Y Ø8/14.4	-307	-34453	SLU 42	11856	30516	44781	2.5	99.4	-1319	-45116	SLU 52	12633	33497	50664	2.5	25.4	Si
1145	4X/2Y Ø8/14.4	-307	-34284	SLU 42	11835	30516	44759	2.5	99.4	-1319	-44947	SLU 52	12610	33497	50640	2.5	25.4	Si
1174	4X/2Y Ø8/14.4	-307	-34114	SLU 42	11814	30516	44737	2.5	99.4	-1319	-44777	SLU 52	12586	33497	50616	2.5	25.4	Si
1203	4X/2Y Ø8/14.4	-307	-33944	SLU 42	11793	30516	44715	2.5	99.4	-1319	-44607	SLU 52	12563	33497	50592	2.5	25.4	Si
1232	4X/2Y Ø8/10	-307	-33775	SLU 42	11771	44078	44693	2.5	143.58	-1319	-44438	SLU 52	12540	48385	50568	2.5	36.69	Si
1261	4X/2Y Ø8/10	-307	-33605	SLU 42	11750	44078	44672	2.5	143.58	-1319	-44268	SLU 52	12517	48385	50544	2.5	36.69	Si
1290	4X/2Y Ø8/10	-307	-33438	SLU 42	11730	44078	44650	2.5	143.58	-1319	-44101	SLU 52	12494	48385	50520	2.5	36.69	Si
1310	2X/3Y Ø8/10	-305	-12285	SLU 49	5275	21395	21865	2.45	70.21	1043	-12285	SLU 49	5313	25125	26001	1.9	24.08	Si
1340	2X/3Y Ø8/10	-305	-12198	SLU 49	5265	21395	21853	2.45	70.21	1043	-12198	SLU 49	5302	25125	25987	1.9	24.08	Si
1370	2X/3Y Ø8/10	-305	-12110	SLU 49	5254	21395	21842	2.45	70.21	1043	-12110	SLU 49	5291	25125	25974	1.9	24.08	Si
1400	2X/3Y Ø8/14.4	-305	-12022	SLU 49	5243	15114	21516	2.5	49.6	1057	-13430	SLU 51	5455	21971	22549	2.4	20.79	Si
1430	2X/3Y Ø8/14.4	-305	-11934	SLU 49	5232	15114	21504	2.5	49.6	1057	-13342	SLU 51	5444	21971	22538	2.4	20.79	Si
1460	2X/3Y Ø8/14.4	-305	-11847	SLU 49	5221	15114	21493	2.5	49.6	1057	-13254	SLU 51	5433	21971	22526	2.4	20.79	Si
1490	2X/3Y Ø8/14.4	-305	-11759	SLU 49	5210	15114	21482	2.5	49.6	1057	-13166	SLU 51	5422	21971	22514	2.4	20.79	Si
1520	2X/3Y Ø8/14.4	-305	-11671	SLU 49	5200	15114	21471	2.5	49.6	1057	-13079	SLU 51	5412	21971	22503	2.4	20.79	Si
1550	2X/3Y Ø8/10	-305	-11583	SLU 49	5189	21395	21774	2.45	70.21	1057	-12991	SLU 51	5401	25125	26110	1.9	23.78	Si
1580	2X/3Y Ø8/10	-305	-11497	SLU 49	5178	21395	21763	2.45	70.21	1057	-12905	SLU 51	5390	25125	26096	1.9	23.78	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	1369	-91181	SLV 13	15366	51797	52691	2.35	37.83	-2686	-74966	SLV 5	15029	48390	54884	2.5	18.02	Si
-111	5X/2Y Ø8/10	1369	-91051	SLV 13	15366	51797	52691	2.35	37.83	-2686	-74836	SLV 5	15029	48390	54865	2.5	18.02	Si
-81	5X/2Y Ø8/10	1369	-90918	SLV 13	15366	51797	52691	2.35	37.83	-2686	-74704	SLV 5	15029	48390	54847	2.5	18.02	Si
-52	5X/2Y Ø8/10	1369	-90786	SLV 13	15366	51797	52691	2.35	37.83	-2686	-74571	SLV 5	15029	48390	54828	2.5	18.02	Si
-22	5X/2Y Ø8/14.7	1369	-90654	SLV 13	15366	37388	50429	2.5	27.3	-2686	-74439	SLV 5	15029	32833	54809	2.5	12.23	Si
7	5X/2Y Ø8/14.7	1369	-90521	SLV 13	15366	37388	50429	2.5	27.3	-2686	-74307	SLV 5	15029	32833	54790	2.5	12.23	Si
36	5X/2Y Ø8/14.7	1369	-90389	SLV 13	15366	37388	50429	2.5	27.3	-2686	-74174	SLV 5	15029	32833	54772	2.5	12.23	Si
66	5X/2Y Ø8/14.7	1369	-90256	SLV 13	15366	37388	50429	2.5	27.3	-2686	-74042	SLV 5	15029	32833	54753	2.5	12.23	Si
95	5X/2Y Ø8/14.7	1369	-90124	SLV 13	15366	37388	50429	2.5	27.3	-2686	-73910	SLV 5	15029	32833	54734	2.5	12.23	Si
125	5X/2Y Ø8/14.7	1369	-89992	SLV 13	15366	37388	50429	2.5	27.3	-2686	-73777	SLV 5	15029	32833	54716	2.5	12.23	Si
154	5X/2Y Ø8/14.7	1369	-89859	SLV 13	15366	37388	50429	2.5	27.3	-2686	-73645	SLV 5	15029	32833	54697	2.5	12.23	Si
184	5X/2Y Ø8/14.7	1369	-89727	SLV 13	15366	37388	50429	2.5	27.3	-2686	-73513	SLV 5	15029	32833	54678	2.5	12.23	Si
213	5X/2Y Ø8/14.7	1369	-89593	SLV 13	15366	37388	50429	2.5	27.3	-2686	-73379	SLV 5	15029	32833	54659	2.5	12.23	Si
242	5X/2Y Ø8/10	1369	-89462	SLV 13	15366	51792	52691	2.35	37.82	-2686	-73248	SLV 5	15029	48385	54641	2.5	18.02	Si
272	5X/2Y Ø8/10	1369	-89330	SLV 13	15366	51792	52691	2.35	37.82	-2686	-73116	SLV 5	15029	48385	54622	2.5	18.02	Si
301	5X/2Y Ø8/10	1369	-89198	SLV 13	15366	51792	52691	2.35	37.82	-2686	-72983	SLV 5	15029	48385	54603	2.5	18.02	Si
331	5X/2Y Ø8/10	1369	-89065	SLV 13	15366	51792	52691	2.35	37.82	-2686	-72851	SLV 5	15029	48385	54585	2.5	18.02	Si
360	5X/2Y Ø8/10	1369	-88935	SLV 13	15366	51792	52691	2.35	37.82	-2686	-72721	SLV 5	15029	48385	54566	2.5	18.02	Si
380	5X/2Y Ø8/10	2769	-70171	SLV 15	15366	50690	52364	2.3	18.31	-2462	-58600	SLV 5	14476	48385	52570	2.5	19.65	Si
409	5X/2Y Ø8/10	2769	-70041	SLV 15	15366	50690	52346	2.3	18.31	-2462	-58470	SLV 5	14458	48385	52551	2.5	19.65	Si
438	5X/2Y Ø8/10	2769	-69910	SLV 15	15366	50690	52329	2.3	18.31	-2462	-58339	SLV 5	14440	48385	52533	2.5	19.65	Si
467	5X/2Y Ø8/14.4	2769	-69780	SLV 15	15366	38145	49331	2.5	13.77	-2462	-58209	SLV 5	14422	33497	52515	2.5	13.6	Si
496	5X/2Y Ø8/14.4	2769	-69649	SLV 15	15366	38145	49314	2.5	13.77	-2462	-58078	SLV 5	14404	33497	52496	2.5	13.6	Si
525	5X/2Y Ø8/14.4	2769	-69519	SLV 15	15366	38145	49297	2.5	13.77	-2462	-57948	SLV 5	14386	33497	52478	2.5	13.6	Si
554	5X/2Y Ø8/14.4	2769	-69388	SLV 15	15366	38145	49280	2.5	13.77	-2462	-57817	SLV 5	14369	33497	52459	2.5	13.6	Si
583	5X/2Y Ø8/14.4	2769	-69258	SLV 15	15366	38145	49263	2.5	13.77	-2462	-57687	SLV 5	14351	33497	52441	2.5	13.6	Si
612	5X/2Y Ø8/10	2769	-69127	SLV 15	15366	50690	52222	2.3	18.31	-2462	-57556	SLV 5	14333	48385	52422	2.5	19.65	Si
641	5X/2Y Ø8/10	2769	-68997	SLV 15	15366	50690	52204	2.3	18.31	-2462	-57426	SLV 5	14315	48385	52404	2.5	19.65	Si
670	5X/2Y Ø8/10	2769	-68866	SLV 15	15366	50690	52186	2.3	18.31	-2462	-57295	SLV 5	14297	48385	52385	2.5	19.65	Si
690	5X/2Y Ø8/10	-2408	-41701	SLV 1	12758	48486	49941	2.2	20.13	2512	-46584	SLV 11	12833	48385	50871	2.5	19.26	Si
719	5X/2Y Ø8/10	-2408	-41572	SLV 1	12742	48486	49923	2.2	20.13	2512	-46456	SLV 11	12816	48385	50853	2.5	19.26	Si
748	5X/2Y Ø8/10	-2408	-41442	SLV 1	12726	48486	49905	2.2	20.13	2512	-46326	SLV 11	12798	48385	50835	2.5	19.26	Si
777	5X/2Y Ø8/14.4	-2408	-41311	SLV 1	12710	38145	45664	2.5	15.84	2512	-46195	SLV 11	12780	33497	50816	2.5	13.34	Si
806	5X/2Y Ø8/14.4	-2408	-41181	SLV 1	12693	38145	45647	2.5	15.84	2512	-46065	SLV 11	12762	33497	50798	2.5	13.34	Si
835	5X/2Y Ø8/14.4	-2408	-41050	SLV 1	12677	38145	45630	2.5	15.84	2512	-45934	SLV 11	12745	33497	50779	2.5	13.34	Si
864	5X/2Y Ø8/14.4	-2408	-40920	SLV 1	12661	38145	45614	2.5	15.84	2512	-45804	SLV 11	12727	33497	50761	2.5	13.34	Si
893	5X/2Y Ø8/14.4	-2408	-40789	SLV 1	12645	38145	45597	2.5	15.84	2512	-45673	SLV 11	12709	33497	50742	2.5	13.34	Si
922	5X/2Y Ø8/10	-2408	-40659	SLV 1	12628	48486	49795	2.2	20.13	2512	-45543	SLV 11	12691	48385	50724	2.5	19.26	Si
951	5X/2Y Ø8/10	-2408	-40528	SLV 1	12612	48486	49776	2.2	20.13	2512	-45412	SLV 11	12673	48385	50705	2.5	19.26	Si
980	5X/2Y Ø8/10	-2408	-40398	SLV 1	12596	48486	49758	2.2	20.13	2512	-45282	SLV 11	12655	48385	50687	2.5	19.26	Si
1000	4X/2Y Ø8/10	-2386	-27261	SLV 3	10960	43197	44496	2.45	18.1	-3396	-29569	SLV 5	10508	48385	48466	2.5	14.25	Si
1029	4X/2Y Ø8/10	-2386	-27133	SLV 3	10944	43197	44480	2.45	18.1	-3396	-29441	SLV 5	10491	48385	48447	2.5	14.25	Si
1058	4X/2Y Ø8/10	-2386	-27002	SLV 3	10928	43197	44463	2.45	18.1	-3396	-29311	SLV 5	10473	48385	48429	2.5	14.25	Si
1087	4X/2Y Ø8/14.4	-2386	-26872	SLV 3	10912	30516	43804	2.5	12.79	-3396	-29180	SLV 5	10455	33497	48411	2.5	9.86	Si
1116	4X/2Y Ø8/14.4	-2386	-26741	SLV 3	10896	30516	43787	2.5	12.79	-3396	-29050	SLV 5	10437	33497	48392	2.5	9.86	Si
1145	4X/2Y Ø8/14.4	-2386	-26611	SLV 3	10879	30516	43771	2.5	12.79	-3396	-28919	SLV 5	10419	33497	48374	2.5	9.86	Si
1174	4X/2Y Ø8/14.4	-2386	-26480	SLV 3	10863	30516	43754	2.5	12.79	-3396	-28789	SLV 5	10401	33497	48355	2.5	9.86	Si
1203	4X/2Y Ø8/14.4	-2386	-26350	SLV 3	10847	30516	43737	2.5	12.79	-3396	-28658	SLV 5	10384	33497	48337	2.5	9.86	Si
1232	4X/2Y Ø8/10	-2386	-26219	SLV 3	10831	43197	44360	2.45	18.1	-3396	-28528	SLV 5	10366	47417	49026	2.45	13.96	Si
1261	4X/2Y Ø8/10	-2386	-26089	SLV 3	10814	43197	44343	2.45	18.1	-3396	-28397	SLV 5	10348	47417	49007	2.45	13.96	Si
1290	4X/2Y Ø8/10	-2386	-25960	SLV 3	10799	43197	44326	2.45	18.1	-3396	-28269	SLV 5	10330	47417	48988	2.45	13.96	Si
1310	2X/3Y Ø8/10	-1321	-8664	SLV 9	4829	21395	21396	2.45	16.19	2163	-9741	SLV 3	4996	25125	25609	1.9	11.61	Si
1340	2X/3Y Ø8/10	-1321	-8596	SLV 9	4820	20959	21702	2.4	15.86	2163	-9673	SLV 3	4988	25125	25599	1.9	11.61	Si
1370	2X/3Y Ø8/10	-1321	-8529	SLV 9	4812	20959	21693	2.4	15.86	2163	-9606	SLV 3	4979	25125	25588	1.9	11.61	Si
1400	2X/3Y Ø8/14.4	-1321	-8461	SLV 9	4804	15114	21061	2.5	11.44	2163	-9538	SLV 3	4971	21971	22033	2.4	10.16	Si
1430	2X/3Y Ø8/14.4	-1321	-8394	SLV 9	4795	15114	21053	2.5	11.44	2163	-9471	SLV 3	4962	21971	22024	2.4	10.16	Si
1460	2X/3Y Ø8/14.4	-1321	-8326	SLV 9	4787	15114	21044	2.5	11.44	2163	-9403	SLV 3	4954	21971	22015	2.4	10.16	Si
1490	2X/3Y Ø8/14.4	-1321	-8259	SLV 9	4779	15114	21036	2.5	11.44	2163	-9336	SLV 3	4946	21971	22006	2.4	10.16	Si
1520	2X/3Y Ø8/14.4	-1321	-8191	SLV 9	4770	15114	21027	2.5	11.44	2163	-9268	SLV 3	4937	21971	21998	2.4	10.16	Si
1550	2X/3Y Ø8/10	-1321	-8124	SLV 9	4762	20959	21640	2.4	15.86	2163	-9201	SLV 3	4929	25125	25526	1.9	11.61	Si
1580	2X/3Y Ø8/10	-1321	-8057	SLV 9	4754	20959	21631	2.4	15.86	2163	-9134	SLV 3	4920	25125	25516	1.9	11.61	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	582	-86321	SLD 13	18313	55104	50429	2.5	86.64	-1219	-79994	SLD 5	17399	48390	55356	2.5	39.71	Si
-111	5X/2Y Ø8/10	582	-86191	SLD 13	18297	55104	50429	2.5	86.64	-1219	-79864	SLD 5	17382	48390	55356	2.5	39.71	Si
-81	5X/2Y Ø8/10	582	-86058	SLD 13	18281	55104	50429	2.5	86.64	-1219	-79732	SLD 5	17363	48390	55356	2.5	39.71	Si
-52	5X/2Y Ø8/10	582	-85926	SLD 13	18264	55104	50429	2.5	86.64	-1219	-79599	SLD 5	17345	48390	55356	2.5	39.71	Si
-22	5X/2Y Ø8/14.7	582	-85794	SLD 13	18248	37388	50429	2.5	64.24	-1219	-79467	SLD 5	17327	32833	55356	2.5	26.94	Si
7	5X/2Y Ø8/14.7	582	-85661	SLD 13	18231	37388	50429	2.5	64.24	-1219	-79335	SLD 5	17309	32833	55356	2.5	26.94	Si
36	5X/2Y Ø8/14.7	582	-85529	SLD 13	18215	37388	50429	2.5	64.24	-1219	-79202	SLD 5	17291	32833	55356	2.5	26.94	Si
66	5X/2Y Ø8/14.7	582	-85397	SLD 13	18198	37388	50429	2.5	64.24	-1219	-79070	SLD 5	17273	32833	55356	2.5	26.94	Si
95	5X/2Y Ø8/14.7	582	-85264	SLD 13	18182	37388	50429	2.5	64.24	-1219	-78938	SLD 5	17255	32833	55356	2.5	26.94	Si
125	5X/2Y Ø8/14.7	582	-85132	SLD 13	18165	37388	50429	2.5	64.24	-1219	-78805	SLD 5	17237	32833	55356	2.5	26.94	Si
154	5X/2Y Ø8/14.7	582	-84999	SLD 13	18149	37388	50429	2.5	64.24	-1219	-78673	SLD 5	17219	32833	55356	2.5	26.94	Si
184	5X/2Y Ø8/14.7	582	-84867	SLD 13	18132	37388	50429	2.5	64.24	-1219	-78541	SLD 5	17201	32833	55356	2.5	26.94	Si
213	5X/2Y Ø8/14.7	582	-84733	SLD 13	18116	37388	50429	2.5	64.24	-1219	-78407	SLD 5	17182	32833	55356	2.5	26.94	Si
242	5X/2Y Ø8/10	582	-84602	SLD 13	18099	55098	50429	2.5	86.64	-1219	-78276	SLD 5	17164	48385	55352	2.5	39.71	Si
272	5X/2Y Ø8/10	582	-84470	SLD 13	18083	55098	50429	2.5	86.64	-1219	-78143	SLD 5	17146	48385	55333	2.5	39.71	Si
301	5X/2Y Ø8/10	582	-84338	SLD 13	18066	55098	50429	2.5	86.64	-1219	-78011	SLD 5	17128	48385	55314	2.5	39.71	Si
331	5X/2Y Ø8/10	582	-84205	SLD 13	18050	55098	50429	2.5	86.64	-1219	-77879	SLD 5	17110	48385	55295	2.5	39.71	Si
360	5X/2Y Ø8/10	582	-84075	SLD 13	18034	55098	50429	2.5	86.64	-1219	-77749	SLD 5	17092	48385	55277	2.5	39.71	Si
380	5X/2Y Ø8/10	1115	-65983	SLD 15	15781	55098	48842	2.5	43.79	-1025	-61460	SLD 5	14866	48385	52974	2.5	47.21	Si
409	5X/2Y Ø8/10	1115	-65853	SLD 15	15765	55098	48825	2.5	43.77	-1025	-61329	SLD 5	14848	48385	52956	2.5	47.21	Si
438	5X/2Y Ø8/10	1115	-65722	SLD 15	15749	55098	48808	2.5	43.76	-1025	-61199	SLD 5	14831	48385	52937	2.5	47.21	Si
467	5X/2Y Ø8/14.4	1115	-65592	SLD 15	15733	38145	48791	2.5	34.2	-1025	-61068	SLD 5	14813	33497	52919	2.5	32.69	Si
496	5X/2Y Ø8/14.4	1115	-65461	SLD 15	15716	38145	48774	2.5	34.2	-1025	-60938	SLD 5	14795	33497	52900	2.5	32.69	Si
525	5X/2Y Ø8/14.4	1115	-65331	SLD 15	15700	38145	48758	2.5	34.2	-1025	-60807	SLD 5	14777	33497	52882	2.5	32.69	Si
554	5X/2Y Ø8/14.4	1115	-65200	SLD 15	15684	38145	48741	2.5	34.2	-1025	-60677	SLD 5	14759	33497	52863	2.5	32.69	Si
583	5X/2Y Ø8/14.4	1115	-65070	SLD 15	15668	38145	48724	2.5	34.2	-1025	-60546	SLD 5	14741	33497	52845	2.5	32.69	Si
612	5X/2Y Ø8/10	1115	-64939	SLD 15	15651	55098	48707	2.5	43.67	-1025	-60416	SLD 5	14724	48385	52827	2.5	47.21	Si
641	5X/2Y Ø8/10	1115	-64809	SLD 15	15635	55098	48690	2.5	43.65	-1025	-60285	SLD 5	14706	48385	52808	2.5	47.21	Si
670	5X/2Y Ø8/10	1115	-64678	SLD 15	15619	55098	48674	2.5	43.64	-1025	-60155	SLD 5	14688	48385	52790	2.5	47.21	Si
690	5X/2Y Ø8/10	-944	-43384	SLD 1	12968	55098	45931	2.5	48.64	994	-45307	SLD 11	12659	48385	50691	2.5	48.66	Si
719	5X/2Y Ø8/10	-944	-43256	SLD 1	12952	55098	45915	2.5	48.62	994	-45179	SLD 11	12641	48385	50672	2.5	48.66	Si
748	5X/2Y Ø8/10	-944	-43126	SLD 1	12936	55098	45898	2.5	48.6	994	-45048	SLD 11	12623	48385	50654	2.5	48.66	Si
777	5X/2Y Ø8/14.4	-944	-42995	SLD 1	12919	38145	45881	2.5	40.39	994	-44918	SLD 11	12606	33497	50635	2.5	33.69	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
806	5X/2Y Ø8/14.4	-944	-42865	SLD 1	12903	38145	45864	2.5	40.39	994	-44787	SLD 11	12588	33497	50617	2.5	33.69	Si
835	5X/2Y Ø8/14.4	-944	-42734	SLD 1	12887	38145	45847	2.5	40.39	994	-44657	SLD 11	12570	33497	50599	2.5	33.69	Si
864	5X/2Y Ø8/14.4	-944	-42604	SLD 1	12871	38145	45830	2.5	40.39	994	-44526	SLD 11	12552	33497	50580	2.5	33.69	Si
893	5X/2Y Ø8/14.4	-944	-42473	SLD 1	12854	38145	45814	2.5	40.39	994	-44396	SLD 11	12534	33497	50562	2.5	33.69	Si
922	5X/2Y Ø8/10	-944	-42343	SLD 1	12838	55098	45797	2.5	48.5	994	-44265	SLD 11	12516	48385	50543	2.5	48.66	Si
951	5X/2Y Ø8/10	-944	-42212	SLD 1	12822	55098	45780	2.5	48.48	994	-44135	SLD 11	12499	48385	50525	2.5	48.66	Si
980	5X/2Y Ø8/10	-944	-42082	SLD 1	12806	55098	45763	2.5	48.46	994	-44004	SLD 11	12481	48385	50506	2.5	48.66	Si
1000	4X/2Y Ø8/10	-1039	-26708	SLD 3	10892	44078	43783	2.5	42.12	-1793	-27613	SLD 5	10241	48385	48189	2.5	26.88	Si
1029	4X/2Y Ø8/10	-1039	-26580	SLD 3	10876	44078	43767	2.5	42.11	-1793	-27485	SLD 5	10223	48385	48171	2.5	26.87	Si
1058	4X/2Y Ø8/10	-1039	-26449	SLD 3	10859	44078	43750	2.5	42.09	-1793	-27354	SLD 5	10205	48385	48152	2.5	26.86	Si
1087	4X/2Y Ø8/14.4	-1039	-26319	SLD 3	10843	30516	43733	2.5	29.36	-1793	-27224	SLD 5	10188	33497	48134	2.5	18.69	Si
1116	4X/2Y Ø8/14.4	-1039	-26188	SLD 3	10827	30516	43716	2.5	29.36	-1793	-27093	SLD 5	10170	33497	48116	2.5	18.69	Si
1145	4X/2Y Ø8/14.4	-1039	-26058	SLD 3	10811	30516	43699	2.5	29.36	-1793	-26963	SLD 5	10152	33497	48097	2.5	18.69	Si
1174	4X/2Y Ø8/14.4	-1039	-25927	SLD 3	10794	30516	43683	2.5	29.36	-1793	-26832	SLD 5	10134	33497	48079	2.5	18.69	Si
1203	4X/2Y Ø8/14.4	-1039	-25797	SLD 3	10778	30516	43666	2.5	29.36	-1793	-26702	SLD 5	10116	33497	48060	2.5	18.69	Si
1232	4X/2Y Ø8/10	-1039	-25666	SLD 3	10762	44078	43649	2.5	42	-1793	-26571	SLD 5	10098	48385	48042	2.5	26.8	Si
1261	4X/2Y Ø8/10	-1039	-25536	SLD 3	10746	44078	43632	2.5	41.98	-1793	-26441	SLD 5	10080	48385	48023	2.5	26.79	Si
1290	4X/2Y Ø8/10	-1039	-25408	SLD 3	10730	44078	43616	2.5	41.96	-1793	-26313	SLD 5	10063	48385	48005	2.5	26.78	Si
1310	2X/3Y Ø8/10	-736	-8160	SLD 9	4767	21832	21023	2.5	28.55	1234	-8586	SLD 3	4852	29092	23245	2.2	18.84	Si
1340	2X/3Y Ø8/10	-736	-8092	SLD 9	4758	21832	21014	2.5	28.54	1234	-8518	SLD 3	4844	29092	23235	2.2	18.83	Si
1370	2X/3Y Ø8/10	-736	-8025	SLD 9	4750	21832	21006	2.5	28.53	1234	-8451	SLD 3	4835	29092	23226	2.2	18.82	Si
1400	2X/3Y Ø8/14.4	-736	-7957	SLD 9	4742	15114	20997	2.5	20.53	1234	-8383	SLD 3	4827	22887	21251	2.5	17.22	Si
1430	2X/3Y Ø8/14.4	-736	-7890	SLD 9	4733	15114	20988	2.5	20.53	1234	-8316	SLD 3	4819	22887	21243	2.5	17.22	Si
1460	2X/3Y Ø8/14.4	-736	-7822	SLD 9	4725	15114	20980	2.5	20.53	1234	-8248	SLD 3	4810	22887	21234	2.5	17.21	Si
1490	2X/3Y Ø8/14.4	-736	-7755	SLD 9	4717	15114	20971	2.5	20.53	1234	-8181	SLD 3	4802	22887	21225	2.5	17.2	Si
1520	2X/3Y Ø8/14.4	-736	-7687	SLD 9	4708	15114	20963	2.5	20.53	1234	-8113	SLD 3	4793	22887	21217	2.5	17.19	Si
1550	2X/3Y Ø8/10	-736	-7620	SLD 9	4700	21832	20954	2.5	28.46	1234	-8046	SLD 3	4785	29092	23169	2.2	18.78	Si
1580	2X/3Y Ø8/10	-736	-7553	SLD 9	4692	21832	20946	2.5	28.45	1234	-7980	SLD 3	4777	29092	23160	2.2	18.77	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	120573	-71120	-98214	SLE RA 13	-57.3	120573	-71120	-98214	SLE RA 13	-811.3	Si
-111	112802	-62581	-98084	SLE RA 13	-56.1	112802	-62581	-98084	SLE RA 13	-798.6	Si
-81	104896	-53893	-97951	SLE RA 13	-54.9	104896	-53893	-97951	SLE RA 13	-785.7	Si
-52	96990	-45206	-97819	SLE RA 13	-53.7	96990	-45206	-97819	SLE RA 13	-772.9	Si
-22	89084	-36519	-97687	SLE RA 13	-52.6	89084	-36519	-97687	SLE RA 13	-760	Si
7	81178	-27832	-97554	SLE RA 13	-51.4	81178	-27832	-97554	SLE RA 13	-747.2	Si
36	73273	-19145	-97422	SLE RA 13	-50.2	73273	-19145	-97422	SLE RA 13	-734.3	Si
66	65367	-10457	-97290	SLE RA 13	-49	65367	-10457	-97290	SLE RA 13	-721.4	Si
95	62108	3378	-96949	SLE RA 12	-48	62108	3378	-96949	SLE RA 12	-711.2	Si
125	52526	6517	-96817	SLE RA 12	-47.8	49555	6917	-97025	SLE RA 13	-707.5	Si
154	41649	15604	-96893	SLE RA 13	-48.1	41649	15604	-96893	SLE RA 13	-709.5	Si
184	33744	24291	-96760	SLE RA 13	-48.5	33744	24291	-96760	SLE RA 13	-711.4	Si
213	25761	33063	-96627	SLE RA 13	-48.8	25761	33063	-96627	SLE RA 13	-713.4	Si
242	17932	41666	-96496	SLE RA 13	-49.1	17932	41666	-96496	SLE RA 13	-715.3	Si
272	10026	50353	-96363	SLE RA 13	-49.5	10026	50353	-96363	SLE RA 13	-717.3	Si
301	2120	59040	-96231	SLE RA 13	-49.8	2120	59040	-96231	SLE RA 13	-720	Si
331	-5785	67727	-96099	SLE RA 13	-50.7	-5785	67727	-96099	SLE RA 13	-728	Si
360	-13557	76267	-95968	SLE RA 13	-51.8	-13557	76267	-95968	SLE RA 13	-738.7	Si
380	25934	-24686	-75122	SLE RA 12	-38.1	25934	-24686	-75122	SLE RA 12	-557.1	Si
409	22466	-19634	-74991	SLE RA 12	-37.5	22466	-19634	-74991	SLE RA 12	-549.9	Si
438	18998	-14581	-74861	SLE RA 12	-36.8	18998	-14581	-74861	SLE RA 12	-542.7	Si
467	15530	-9528	-74730	SLE RA 12	-36.1	15530	-9528	-74730	SLE RA 12	-535.5	Si
496	17018	3938	-74728	SLE RA 13	-35.7	17018	3938	-74728	SLE RA 13	-531.6	Si
525	12556	7793	-74597	SLE RA 13	-35.8	12556	7793	-74597	SLE RA 13	-531.4	Si
554	8094	11647	-74467	SLE RA 13	-35.8	8094	11647	-74467	SLE RA 13	-531.3	Si
583	3631	15501	-74336	SLE RA 13	-35.9	3631	15501	-74336	SLE RA 13	-531.1	Si
612	-831	19356	-74206	SLE RA 13	-36.1	-831	19356	-74206	SLE RA 13	-532.1	Si
641	-5293	23210	-74075	SLE RA 13	-36.6	-5293	23210	-74075	SLE RA 13	-536.8	Si
670	-9755	27065	-73945	SLE RA 13	-37	-9755	27065	-73945	SLE RA 13	-541.7	Si
690	20072	-12884	-53332	SLE RA 12	-26.7	20072	-12884	-53332	SLE RA 12	-392.5	Si
719	21090	-10130	-53204	SLE RA 12	-26.9	21090	-10130	-53204	SLE RA 12	-396.2	Si
748	22126	-7328	-53074	SLE RA 12	-27	22126	-7328	-53074	SLE RA 12	-398.2	Si
777	23163	-4526	-52943	SLE RA 12	-26.7	23163	-4526	-52943	SLE RA 12	-395.4	Si
806	24199	-1724	-52813	SLE RA 12	-26.4	24199	-1724	-52813	SLE RA 12	-392.6	Si
835	25797	1377	-52762	SLE RA 13	-26.5	25797	1377	-52762	SLE RA 13	-392.9	Si
864	26810	3386	-52632	SLE RA 13	-26.6	26810	3386	-52632	SLE RA 13	-394.3	Si
893	27308	6681	-52421	SLE RA 12	-26.8	27308	6681	-52421	SLE RA 12	-396	Si
922	28344	9483	-52291	SLE RA 12	-27.1	28344	9483	-52291	SLE RA 12	-398.2	Si
951	29381	12285	-52160	SLE RA 12	-27.3	29381	12285	-52160	SLE RA 12	-400.3	Si
980	30417	15087	-52030	SLE RA 12	-27.6	30417	15087	-52030	SLE RA 12	-402.5	Si
1000	86205	16644	-32470	SLE RA 13	-21.1	86205	16644	-32470	SLE RA 13	-296.8	Si
1029	59157	12194	-32341	SLE RA 13	-19.3	59157	12194	-32341	SLE RA 13	-276.2	Si
1058	31635	7666	-32211	SLE RA 13	-17.5	31635	7666	-32211	SLE RA 13	-255.2	Si
1087	4112	3137	-32080	SLE RA 13	-15.7	4112	3137	-32080	SLE RA 13	-234.1	Si
1116	-23410	-1391	-31950	SLE RA 13	-16.4	-23410	-1391	-31950	SLE RA 13	-242.9	Si
1145	-50932	-5919	-31819	SLE RA 13	-18.1	-50932	-5919	-31819	SLE RA 13	-262.1	Si
1174	-78455	-10447	-31689	SLE RA 13	-19.8	-78455	-10447	-31689	SLE RA 13	-281.2	Si
1203	-105977	-14975	-31558	SLE RA 13	-21.4	-105977	-14975	-31558	SLE RA 13	-300.4	Si
1232	-133499	-19503	-31428	SLE RA 13	-23.1	-133499	-19503	-31428	SLE RA 13	-319.5	Si
1261	-161022	-24031	-31297	SLE RA 13	-24.6	-161022	-24031	-31297	SLE RA 13	-337.3	Si
1290	-188069	-28481	-31169	SLE RA 13	-24.4	-188069	-28481	-31169	SLE RA 13	-330.8	Si
1310	-71251	14890	-9793	SLE RA 12	-21.3	-71251	14890	-9793	SLE RA 12	-248.7	Si
1340	-46576	8349	-10224	SLE RA 8	-18.1	-46576	8349	-10224	SLE RA 8	-223.1	Si
1370	-25317	2401	-10157	SLE RA 8	-14.3	-25317	2401	-10157	SLE RA 8	-188.7	Si
1400	-4059	-3546	-10089	SLE RA 8	-10.7	-4059	-3546	-10089	SLE RA 8	-153.5	Si
1430	19355	-11182	-9568	SLE RA 13	-14.4	17754	-9631	-10067	SLE RA 9	-187.8	Si
1460	41708	-17626	-9501	SLE RA 13	-19.5	41708	-17626	-9501	SLE RA 13	-235.7	Si
1490	64061	-24069	-9433	SLE RA 13	-24.7	64061	-24069	-9433	SLE RA 13	-284.9	Si
1520	86415	-30512	-9366	SLE RA 13	-29.8	86415	-30512	-9366	SLE RA 13	-334.1	Si
1550	107858	-37711	-8315	SLE RA 10	-43.9	108768	-36955	-9298	SLE RA 13	-440.7	Si
1580	129736	-44124	-8248	SLE RA 10	-53.4	129736	-44124	-8248	SLE RA 10	563.2	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²

Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	115465	-14526	-83216	SLE QP 2	-45.1	Si
-111	107628	-12471	-83086	SLE QP 2	-44.5	Si
-81	99656	-10380	-82953	SLE QP 2	-43.9	Si
-52	91683	-8290	-82821	SLE QP 2	-43.3	Si
-22	83711	-6199	-82689	SLE QP 2	-42.7	Si
7	75739	-4108	-82556	SLE QP 2	-42.1	Si
36	67766	-2017	-82424	SLE QP 2	-41.5	Si
66	59794	73	-82292	SLE QP 2	-40.9	Si
95	51821	2164	-82159	SLE QP 2	-40.6	Si
125	43849	4255	-82027	SLE QP 2	-40.4	Si
154	35877	6346	-81894	SLE QP 2	-40.1	Si
184	27904	8436	-81762	SLE QP 2	-39.9	Si
213	19855	10547	-81628	SLE QP 2	-39.6	Si
242	11960	12618	-81497	SLE QP 2	-39.4	Si
272	3987	14708	-81365	SLE QP 2	-39.1	Si
301	-3985	16799	-81233	SLE QP 2	-39.2	Si
331	-11958	18890	-81100	SLE QP 2	-39.7	Si
360	-19794	20945	-80970	SLE QP 2	-40.2	Si
380	22579	-6847	-63298	SLE QP 2	-30.9	Si
409	19515	-5195	-63168	SLE QP 2	-30.6	Si
438	16452	-3544	-63037	SLE QP 2	-30.2	Si
467	13388	-1893	-62907	SLE QP 2	-29.9	Si
496	10324	-241	-62776	SLE QP 2	-29.5	Si
525	7261	1410	-62646	SLE QP 2	-29.4	Si
554	4197	3062	-62515	SLE QP 2	-29.4	Si
583	1133	4713	-62385	SLE QP 2	-29.3	Si
612	-1930	6364	-62254	SLE QP 2	-29.4	Si
641	-4994	8016	-62124	SLE QP 2	-29.7	Si
670	-8058	9667	-61993	SLE QP 2	-29.9	Si
690	17077	1375	-44473	SLE QP 2	-21.5	Si
719	17601	1206	-44345	SLE QP 2	-21.8	Si
748	18134	1033	-44214	SLE QP 2	-22	Si
777	18667	860	-44084	SLE QP 2	-21.9	Si
806	19199	687	-43953	SLE QP 2	-21.9	Si
835	19732	515	-43823	SLE QP 2	-21.8	Si
864	20265	342	-43692	SLE QP 2	-21.8	Si
893	20798	169	-43562	SLE QP 2	-21.7	Si
922	21331	-4	-43431	SLE QP 2	-21.7	Si
951	21864	-176	-43301	SLE QP 2	-21.7	Si
980	22397	-349	-43170	SLE QP 2	-21.6	Si
1000	67338	21638	-26337	SLE QP 2	-17.7	Si
1029	46206	16878	-26209	SLE QP 2	-16.2	Si
1058	24703	12034	-26078	SLE QP 2	-14.7	Si
1087	3201	7190	-25948	SLE QP 2	-13.2	Si
1116	-18302	2346	-25817	SLE QP 2	-13.4	Si
1145	-39804	-2498	-25687	SLE QP 2	-14.3	Si
1174	-61307	-7342	-25556	SLE QP 2	-15.7	Si
1203	-82810	-12186	-25426	SLE QP 2	-17.1	Si
1232	-104312	-17030	-25295	SLE QP 2	-18.5	Si
1261	-125815	-21874	-25165	SLE QP 2	-19.8	Si
1290	-146947	-26634	-25037	SLE QP 2	-19.7	Si
1310	-59558	12059	-7828	SLE QP 2	-17.4	Si
1340	-40851	6703	-7761	SLE QP 2	-14.7	Si
1370	-22143	1346	-7693	SLE QP 2	-11.3	Si
1400	-3436	-4010	-7626	SLE QP 2	-8.4	Si
1430	15271	-9367	-7558	SLE QP 2	-11.5	Si
1460	33978	-14723	-7491	SLE QP 2	-15.8	Si
1490	52685	-20080	-7423	SLE QP 2	-20	Si
1520	71392	-25436	-7356	SLE QP 2	-24.3	Si
1550	90099	-30793	-7288	SLE QP 2	-36.2	Si
1580	108494	-36060	-7222	SLE QP 2	-44.1	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

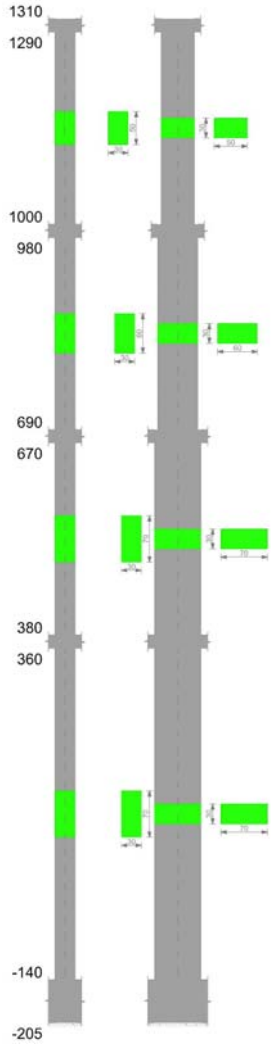
Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1600 in quanto elemento di estremità superiore alla pilastrata.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.

Pilastro 60

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x70	No	No	No	No		C30/37	B450C	
380	670	R 30x70	No	No	No	No		C30/37	B450C	
690	980	R 30x60_1	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.67	-29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.67	29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.67	29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	-18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	-6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	-18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	-6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.2	-9.67	-29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.67	-29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.67	29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.67	29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	-18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	-6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	-18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	-6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	18.42	1.6	2.011	-140	380	R 30x70	B450C
p.3	-9.67	-29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	9.67	-29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	9.67	29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	-9.67	29.67	1.6	2.011	380	690	R 30x70	B450C
p.5	-9.9	-18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	-9.9	18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	9.9	-18.42	1.6	2.011	380	690	R 30x70	B450C
p.5	9.9	18.42	1.6	2.011	380	690	R 30x70	B450C
p.6	-9.9	-6.14	1.6	2.011	380	690	R 30x70	B450C
p.6	-9.9	6.14	1.6	2.011	380	690	R 30x70	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	9.9	-6.14	1.6	2.011	380	690	R 30x70	B450C
p.6	9.9	6.14	1.6	2.011	380	690	R 30x70	B450C
p.7	-9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	-9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.9	-9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.9	-9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.9	9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.9	9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.10	-9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.10	9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.11	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.11	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.12	-9.9	-10.35	1.6	2.011	1000	1310	R 30x50	B450C
p.12	-9.9	0	1.6	2.011	1000	1310	R 30x50	B450C
p.12	-9.9	10.35	1.6	2.011	1000	1310	R 30x50	B450C
p.12	9.9	-10.35	1.6	2.011	1000	1310	R 30x50	B450C
p.12	9.9	0	1.6	2.011	1000	1310	R 30x50	B450C
p.12	9.9	10.35	1.6	2.011	1000	1310	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	2.3	0	1,2	1007499	437536	-161304	2036676	884487	SLU 46	2.022	Si
-111	24.13	2.3	0	1,2	606326	466346	-171925	1238844	952836	SLU 52	2.043	Si
-81	24.13	1.1	0	2	537822	465801	-171724	1109483	960910	SLU 52	2.063	Si
-52	24.13	1.1	0	2	469318	465257	-171523	975700	967257	SLU 52	2.079	Si
-22	24.13	1.1	0	2	464712	464712	-171322	967634	967634	SLU 52	2.082	Si
7	24.13	1.1	0	2	464168	464168	-171122	967634	967634	SLU 52	2.085	Si
36	24.13	1.1	0	2	463623	463623	-170921	967634	967634	SLU 52	2.087	Si
66	24.13	1.1	0	2	463079	463079	-170720	967634	967634	SLU 52	2.09	Si
95	24.13	1.1	0	2	462534	-462534	-170520	967634	-967634	SLU 52	2.092	Si
125	24.13	1.1	0	2	461990	-461990	-170319	967634	-967634	SLU 52	2.094	Si
154	24.13	1.1	0	2	-461445	-461445	-170118	-967634	-967634	SLU 52	2.097	Si
184	24.13	1.1	0	2	-460901	-460901	-169917	-967634	-967634	SLU 52	2.099	Si
213	24.13	1.1	0	2	-460351	-460351	-169715	-967634	-967634	SLU 52	2.102	Si
242	24.13	1.1	0	2	-459812	-459812	-169516	-967634	-967634	SLU 52	2.104	Si
272	24.13	1.1	0	2	-459267	-459267	-169315	-967634	-967634	SLU 52	2.107	Si
301	24.13	1.1	0	2	-458723	-458723	-169114	-967634	-967634	SLU 52	2.109	Si
331	24.13	1.1	0	2	-458178	-458178	-168914	-967634	-967634	SLU 52	2.112	Si
360	24.13	1.1	0	2	-488576	-457643	-168716	-1029915	-964708	SLU 52	2.108	Si
380	24.13	2.3	0	2,3,5,6	-564638	259048	-129524	-1579620	724706	SLU 52	2.798	Si
409	24.13	2.3	0	2,3,5,6	-497749	258652	-129326	-1414615	735094	SLU 52	2.842	Si
438	24.13	1.1	0	3,5,6	-430861	258256	-129128	-1242541	744774	SLU 52	2.884	Si
467	24.13	1.1	0	3,5,6	-363972	257860	-128930	-1062813	752962	SLU 52	2.92	Si
496	24.13	1.1	0	3,5,6	-297083	257464	-128732	-877160	760183	SLU 52	2.953	Si
525	24.13	1.1	0	3,5,6	-257068	257068	-128534	-763108	763108	SLU 52	2.969	Si
554	24.13	1.1	0	3,5,6	-256673	-256673	-128336	-763108	-763108	SLU 52	2.973	Si
583	24.13	1.1	0	3,5,6	-256277	-256277	-128138	-763108	-763108	SLU 52	2.978	Si
612	24.13	1.1	0	3,5,6	-255881	-255881	-127940	-763108	-763108	SLU 52	2.982	Si
641	24.39	1.5	0	3,4,5,6	255485	-255485	-127742	764835	-764835	SLU 52	2.994	Si
670	31.44	1.9	0	3,4,5,6	255096	-255096	-127548	811233	-811233	SLU 52	3.18	Si
690	24.13	2.5	0	4,5,6,7,9,10	-178875	178875	-89437	-673235	673235	SLU 52	3.764	Si
719	21.83	2.5	0	4,5,6,7,9,10	-178535	178535	-89268	-658510	658510	SLU 52	3.688	Si
748	20.11	1.1	0	7,9,10	-178196	178196	-89098	-647491	647491	SLU 52	3.634	Si
777	20.11	1.1	0	7,9,10	-177857	177857	-88928	-647491	647491	SLU 52	3.641	Si
806	20.11	1.1	0	7,9,10	-177518	177518	-88759	-647491	647491	SLU 52	3.647	Si
835	20.11	1.1	0	7,9,10	177178	177178	-88589	647491	647491	SLU 52	3.654	Si
864	20.11	1.1	0	7,9,10	176839	-176839	-88419	647491	-647491	SLU 52	3.661	Si
893	20.11	1.1	0	7,9,10	176500	-176500	-88250	647491	-647491	SLU 52	3.669	Si
922	20.11	1.1	0	7,9,10	176160	-176160	-88080	647491	-647491	SLU 52	3.676	Si
951	20.37	1.6	0	7,8,9,10	175821	-175821	-87911	649217	-649217	SLU 52	3.692	Si
980	27.42	2	0	7,8,9,10	175482	-175482	-87741	695580	-695580	SLU 52	3.964	Si
1000	20.11	2.7	0	8,9,10,11,12	-101438	134012	-50111	-534034	705527	SLU 52	5.265	Si
1029	20.11	2.7	0	8,9,10,11,12	-99944	105621	-49972	-551311	582627	SLU 52	5.516	Si
1058	20.11	1.3	0	11,12	-99661	99661	-49830	-556148	556148	SLU 52	5.58	Si
1087	20.11	1.3	0	11,12	-99378	99378	-49689	-556148	556148	SLU 52	5.596	Si
1116	20.11	1.3	0	11,12	-99095	99095	-49548	-556148	556148	SLU 52	5.612	Si
1145	20.11	1.3	0	11,12	-98813	-98813	-49406	-556148	-556148	SLU 52	5.628	Si
1174	20.11	1.3	0	11,12	98530	-98530	-49265	556148	-556148	SLU 52	5.644	Si
1203	20.11	1.3	0	11,12	98247	-98247	-49124	556148	-556148	SLU 52	5.661	Si
1232	20.11	1.3	0	11,12	97964	-97964	-48982	556148	-556148	SLU 52	5.677	Si
1261	20.11	1.3	0	11,12	97682	-125494	-48841	532452	-684053	SLU 52	5.451	Si
1290	27.63	2.7	0	11,12	97404	-153885	-48702	551999	-872085	SLU 52	5.667	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	24.13	2.3	0	1,2	2129531	-79102	-108987	-2.02	1.92	3597918	-133646	SLV 13	1.69				Si
-111	24.13	2.3	0	1,2	1967591	-72710	-108835	-2.02	1.92	3553012	-131297	SLV 13	1.806				Si
-81	24.13	1.1	0	2	1802877	-66207	-108681	-2.02	1.92	3487272	-128064	SLV 13	1.934				Si
-52	24.13	1.1	0	2	1638204	-59706	-108526	-2.02	1.92	3395476	-123751	SLV 13	2.073				Si
-22	24.13	1.1	0	2	1473581	-53206	-108372	-2.02	1.92	3271450	-118120	SLV 13	2.22				Si
7	24.13	1.1	0	2	1309027	-46707	-108217	-2.02	1.92	3109940	-110965	SLV 13	2.376				Si
36	24.13	1.1	0	2	1144573	-40211	-108063	-2.02	1.92	2904308	-102034	SLV 13	2.537				Si
66	24.13	1.1	0	2	980275	-33721	-107909	-2.02	1.92	2652003	-91227	SLV 13	2.705				Si
95	24.13	1.1	0	2	816212	-27241	-107754	-2.02	1.92	2355534	-78615	SLV 13	2.886				Si
125	24.13	1.1	0	2	652560	-20788	-107600	-2.02	1.92	2017293	-64263	SLV 13	3.091				Si
154	24.13	1.1	0	2	489815	-14510	-107445	-2.02	1.92	1629380	-48267	SLV 13	3.327				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
184	24.13	1.1	0	2	329280	-14999	-107291	-2.02	1.92	1178685	-53690	SLV 13	3.58				Si
213	24.13	1.1	0	2	175100	-814	-107135	-2.02	1.92	632132	-2938	SLV 13	3.61				Si
242	24.13	1.1	0	2	55294	5514	-106982	-2.02	1.92	199902	19933	SLV 13	3.615				Si
272	24.13	1.1	0	2	-184245	11976	-106828	-2.02	1.92	-667060	43357	SLV 13	3.621				Si
301	24.13	1.1	0	2	-259143	-118694	-105869	-2.02	1.92	-886936	-406240	SLV 9	3.423				Si
331	24.13	1.1	0	2	-373842	-144463	-105714	-2.02	1.92	-1197110	-462597	SLV 9	3.202				Si
360	24.13	1.1	0	2	-488139	-169799	-105562	-2.02	1.92	-1468823	-510929	SLV 9	3.009				Si
380	24.13	2.3	0	2,3,5,6	-414265	364429	-75487	-2.02	1.92	-1296369	1140416	SLV 1	3.129				Si
409	24.13	2.3	0	2,3,5,6	-337601	294904	-75335	-2.02	1.92	-1184261	1034484	SLV 1	3.508				Si
438	24.13	1.1	0	3,5,6	-60183	274510	-78499	-2.02	1.92	-235405	1073740	SLV 5	3.911				Si
467	24.13	1.1	0	3,5,6	-49366	190652	-78347	-2.02	1.92	-214590	828738	SLV 5	4.347				Si
496	24.13	1.1	0	3,5,6	-11809	2645	-81039	-2.02	1.92	-56360	12626	SLV 13	4.773				Si
525	24.13	1.1	0	3,5,6	-167179	2308	-80887	-2.02	1.92	-799385	11037	SLV 13	4.782				Si
554	24.13	1.1	0	3,5,6	-232525	4068	-80735	-2.02	1.92	-1113942	19490	SLV 13	4.791				Si
583	24.13	1.1	0	3,5,6	-201323	-108045	-79586	-2.02	1.92	-893135	-479323	SLV 9	4.436				Si
612	24.13	1.1	0	3,5,6	-232870	-170987	-79434	-2.02	1.92	-947568	-695759	SLV 9	4.069				Si
641	24.39	1.5	0	3,4,5,6	352295	-262061	-74117	-2.02	1.92	1287741	-957911	SLV 1	3.655				Si
670	31.44	1.9	0	3,4,5,6	430363	-330379	-73967	-2.02	1.92	1495206	-1147833	SLV 1	3.474				Si
690	24.13	2.5	0	4,5,6,7,9,10	-341184	264630	-50022	-2.02	1.92	-1255677	973932	SLV 1	3.68				Si
719	21.83	2.5	0	4,5,6,7,9,10	-271909	210655	-49892	-2.02	1.92	-1138749	882220	SLV 1	4.188				Si
748	20.11	1.1	0	7,9,10	149078	143693	-55047	-2.02	1.92	711455	685754	SLV 9	4.772				Si
777	20.11	1.1	0	7,9,10	107280	95394	-54916	-2.02	1.92	572953	509474	SLV 9	5.341				Si
806	20.11	1.1	0	7,9,10	100314	3499	-55890	-2.02	1.92	590986	20612	SLV 13	5.891				Si
835	20.11	1.1	0	7,9,10	-50568	10196	-55760	-2.02	1.92	-298609	60212	SLV 13	5.905				Si
864	20.11	1.1	0	7,9,10	-92202	-50258	-54525	-2.02	1.92	-543775	-296404	SLV 9	5.898				Si
893	20.11	1.1	0	7,9,10	-130043	-98433	-54394	-2.02	1.92	-683068	-517032	SLV 9	5.253				Si
922	20.11	1.1	0	7,9,10	241416	-168189	-48978	-2.02	1.92	1107018	-771232	SLV 1	4.586				Si
951	20.37	1.6	0	7,8,9,10	310361	-222141	-48848	-2.02	1.92	1229091	-879723	SLV 1	3.96				Si
980	27.42	2	0	7,8,9,10	380040	-276125	-48717	-2.02	1.92	1399162	-1016586	SLV 1	3.682				Si
1000	20.11	2.7	0	8,9,10,11,12	-340269	263404	-25052	-2.02	1.92	-1019421	789141	SLV 1	2.996				Si
1029	20.11	2.7	0	8,9,10,11,12	-257445	205953	-24945	-2.02	1.92	-1011307	809033	SLV 1	3.928				Si
1058	20.11	1.3	0	11,12	-173622	147514	-24836	-2.02	1.92	-951105	808080	SLV 1	5.478				Si
1087	20.11	1.3	0	11,12	35656	81662	-30180	-2.02	1.92	279643	640458	SLV 9	7.843				Si
1116	20.11	1.3	0	11,12	-52270	3581	-31239	-2.02	1.92	-481056	32955	SLV 13	9.203				Si
1145	20.11	1.3	0	11,12	-135259	-973	-31131	-2.02	1.92	-1069898	-7696	SLV 13	7.91				Si
1174	20.11	1.3	0	11,12	-156151	-85038	-29853	-2.02	1.92	-1000839	-545043	SLV 9	6.409				Si
1203	20.11	1.3	0	11,12	253448	-145199	-24293	-2.02	1.92	1196263	-685333	SLV 1	4.72				Si
1232	20.11	1.3	0	11,12	337815	-203641	-24184	-2.02	1.92	1165846	-702794	SLV 1	3.451				Si
1261	20.11	1.3	0	11,12	422301	-262101	-24075	-2.02	1.92	1131165	-702058	SLV 1	2.679				Si
1290	27.63	2.7	0	11,12	505392	-319562	-23968	-2.02	1.92	1242987	-785947	SLV 1	2.459				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	2.3	0	1,2	887494	-16207	-106661	2525921	-46127	SLD 13	2.846	Si
-111	24.13	2.3	0	1,2	819138	-15488	-106510	2395641	-45297	SLD 13	2.925	Si
-81	24.13	1.1	0	2	749616	-14757	-106355	2255561	-44404	SLD 13	3.009	Si
-52	24.13	1.1	0	2	680118	-14027	-106201	2107210	-43459	SLD 13	3.098	Si
-22	24.13	1.1	0	2	610651	-13297	-106046	1949853	-42457	SLD 13	3.193	Si
7	24.13	1.1	0	2	541224	-12567	-105892	1782668	-41394	SLD 13	3.294	Si
36	24.13	1.1	0	2	471858	-11840	-105738	1604756	-40266	SLD 13	3.401	Si
66	24.13	1.1	0	2	402587	-11115	-105583	1415146	-39069	SLD 13	3.515	Si
95	24.13	1.1	0	2	333458	-10395	-105429	1212788	-37805	SLD 13	3.637	Si
125	24.13	1.1	0	2	264580	-9688	-105274	972048	-35594	SLD 13	3.674	Si
154	24.13	1.1	0	2	196255	-9064	-105120	722088	-33351	SLD 13	3.679	Si
184	24.13	1.1	0	2	129282	-11177	-104966	476372	-41183	SLD 13	3.685	Si
213	24.13	1.1	0	2	66338	-7287	-104810	244802	-26892	SLD 13	3.69	Si
242	24.13	1.1	0	2	18298	-6619	-104657	67622	-24461	SLD 13	3.696	Si
272	24.13	1.1	0	2	-92066	-5908	-104502	-340745	-21866	SLD 13	3.701	Si
301	24.13	1.1	0	2	-164088	-5186	-104348	-608201	-19223	SLD 13	3.707	Si
331	24.13	1.1	0	2	-231475	-4460	-104193	-859245	-16556	SLD 13	3.712	Si
360	24.13	1.1	0	2	-223621	-82515	-103727	-816577	-301313	SLD 9	3.652	Si
380	24.13	2.3	0	2,3,5,6	-258226	200490	-77057	-1026676	797126	SLD 1	3.976	Si
409	24.13	2.3	0	2,3,5,6	-216212	162377	-76905	-916072	687977	SLD 1	4.237	Si
438	24.13	1.1	0	3,5,6	-176163	124278	-76753	-797987	562957	SLD 1	4.53	Si
467	24.13	1.1	0	3,5,6	-140274	86212	-76600	-681019	418554	SLD 1	4.855	Si
496	24.13	1.1	0	3,5,6	-40289	15213	-78866	-197581	74604	SLD 13	4.904	Si
525	24.13	1.1	0	3,5,6	-101765	4049	-78714	-500034	19893	SLD 13	4.914	Si
554	24.13	1.1	0	3,5,6	-114505	-6094	-78562	-563721	-30003	SLD 13	4.923	Si
583	24.13	1.1	0	3,5,6	-118103	-17169	-78410	-582567	-84691	SLD 13	4.933	Si
612	24.13	1.1	0	3,5,6	121291	-104864	-75839	585076	-505836	SLD 1	4.824	Si
641	24.39	1.5	0	3,4,5,6	164205	-142953	-75687	740450	-644618	SLD 1	4.509	Si
670	31.44	1.9	0	3,4,5,6	206975	-180404	-75537	927430	-808371	SLD 1	4.481	Si
690	24.13	2.5	0	4,5,6,7,9,10	-165419	145334	-51668	-839529	737592	SLD 1	5.075	Si
719	21.83	2.5	0	4,5,6,7,9,10	-132571	116078	-51537	-711646	623113	SLD 1	5.368	Si
748	20.11	1.1	0	7,9,10	-100354	86844	-51407	-575197	497761	SLD 1	5.732	Si
777	20.11	1.1	0	7,9,10	53432	18028	-53788	327093	110362	SLD 13	6.122	Si
806	20.11	1.1	0	7,9,10	41264	10158	-53657	253220	62334	SLD 13	6.137	Si
835	20.11	1.1	0	7,9,10	-22416	5040	-53527	-137895	31001	SLD 13	6.151	Si
864	20.11	1.1	0	7,9,10	-48159	-4305	-53396	-296974	-26546	SLD 13	6.167	Si
893	20.11	1.1	0	7,9,10	-63861	-12038	-53266	-394763	-74412	SLD 13	6.182	Si
922	20.11	1.1	0	7,9,10	113783	-89252	-50624	649071	-509134	SLD 1	5.704	Si
951	20.37	1.6	0	7,8,9,10	146399	-118496	-50493	775089	-627360	SLD 1	5.294	Si
980	27.42	2	0	7,8,9,10	179444	-147756	-50363	944204	-777467	SLD 1	5.262	Si
1000	20.11	2.7	0	8,9,10,11,12	-171051	150459	-26762	-919336	808665	SLD 1	5.375	Si
1029	20.11	2.7	0	8,9,10,11,12	-132302	118110	-26655	-846978	756121	SLD 1	6.402	Si
1058	20.11	1.3	0	11,12	-93123	85203	-26546	-711678	651151	SLD 1	7.642	Si
1087	20.11	1.3	0	11,12	-55109	52325	-26438	-503482	478052	SLD 1	9.136	Si
1116	20.11	1.3	0	11,12	-32356	8498	-28934	-321515	84442	SLD 13	9.937	Si
1145	20.11	1.3	0	11,12	-57432	-3123	-28825	-572404	-31127	SLD 13	9.967	Si
1174	20.11	1.3	0	11,12	-59113	-45934	-28258	-521408	-405158	SLD 9	8.821	Si
1203	20.11	1.3	0	11,12	107236	-79581	-26003	821206	-609428	SLD 1	7.658	Si
1232	20.11	1.3	0	11,12	146708	-112490	-25894	939784	-720587	SLD 1	6.406	Si
1261	20.11	1.3	0	11,12	186251	-145407	-25785	995892	-777498	SLD 1	5.347	Si
1290	27.63	2.7	0	11,12	225147	-177761	-25678	1102441	-870413	SLD 1	4.897	Si

Verifica a taglio in famiglia SLU

	Direzione X	Direzione Y	Verifica

Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-183	-172056	SLU 51	17927	55104	58834	2.5	300.69	-3539	-161304	SLU 46	17432	57242	65483	2.5	16.18	Si
-111	5X/2Y Ø8/10	-183	-171858	SLU 51	17927	55104	58834	2.5	300.69	-3539	-161106	SLU 46	17432	57242	65483	2.5	16.18	Si
-81	5X/2Y Ø8/10	-183	-171658	SLU 51	17927	55104	58834	2.5	300.69	-3539	-160906	SLU 46	17432	57242	65483	2.5	16.18	Si
-52	5X/2Y Ø8/10	-183	-171457	SLU 51	17927	55104	58834	2.5	300.69	-3539	-160705	SLU 46	17432	57242	65483	2.5	16.18	Si
-22	5X/2Y Ø8/14.7	-183	-171256	SLU 51	17927	37388	58834	2.5	204.02	-3539	-160504	SLU 46	17432	38839	65483	2.5	10.98	Si
7	5X/2Y Ø8/14.7	-183	-171056	SLU 51	17927	37388	58834	2.5	204.02	-3539	-160304	SLU 46	17432	38839	65483	2.5	10.98	Si
36	5X/2Y Ø8/14.7	-183	-170855	SLU 51	17927	37388	58834	2.5	204.02	-3539	-160103	SLU 46	17432	38839	65483	2.5	10.98	Si
66	5X/2Y Ø8/14.7	-183	-170654	SLU 51	17927	37388	58834	2.5	204.02	-3539	-159902	SLU 46	17432	38839	65483	2.5	10.98	Si
95	5X/2Y Ø8/14.7	-183	-170453	SLU 51	17927	37388	58834	2.5	204.02	-3539	-159701	SLU 46	17432	38839	65483	2.5	10.98	Si
125	5X/2Y Ø8/14.7	-183	-170253	SLU 51	17927	37388	58834	2.5	204.02	-3539	-159501	SLU 46	17432	38839	65483	2.5	10.98	Si
154	5X/2Y Ø8/14.7	-183	-170052	SLU 51	17927	37388	58834	2.5	204.02	-3539	-159300	SLU 46	17432	38839	65483	2.5	10.98	Si
184	5X/2Y Ø8/14.7	-183	-169851	SLU 51	17927	37388	58834	2.5	204.02	-3539	-159099	SLU 46	17432	38839	65483	2.5	10.98	Si
213	5X/2Y Ø8/14.7	-183	-169648	SLU 51	17927	37388	58834	2.5	204.02	-3539	-158896	SLU 46	17432	38839	65483	2.5	10.98	Si
242	5X/2Y Ø8/10	-183	-169450	SLU 51	17927	55098	58834	2.5	300.66	-3539	-158698	SLU 46	17432	57236	65483	2.5	16.17	Si
272	5X/2Y Ø8/10	-183	-169249	SLU 51	17927	55098	58834	2.5	300.66	-3539	-158497	SLU 46	17432	57236	65483	2.5	16.17	Si
301	5X/2Y Ø8/10	-183	-169048	SLU 51	17927	55098	58834	2.5	300.66	-3539	-158296	SLU 46	17432	57236	65483	2.5	16.17	Si
331	5X/2Y Ø8/10	-183	-168847	SLU 51	17927	55098	58834	2.5	300.66	-3539	-158095	SLU 46	17432	57236	65483	2.5	16.17	Si
360	5X/2Y Ø8/10	-183	-168650	SLU 51	17927	55098	58834	2.5	300.66	-3539	-157898	SLU 46	17432	57236	65483	2.5	16.17	Si
380	5X/2Y Ø8/10	-1065	-129524	SLU 52	17927	55098	58834	2.5	51.74	3003	-120421	SLU 45	17432	57236	65483	2.5	19.06	Si
409	5X/2Y Ø8/10	-1065	-129326	SLU 52	17927	55098	58834	2.5	51.74	3003	-120223	SLU 45	17432	57236	65483	2.5	19.06	Si
438	5X/2Y Ø8/10	-1065	-129128	SLU 52	17927	55098	58834	2.5	51.74	3003	-120025	SLU 45	17432	57236	65483	2.5	19.06	Si
467	5X/2Y Ø8/14.4	-1065	-128930	SLU 52	17927	38145	58834	2.5	35.82	3003	-119827	SLU 45	17432	39625	65483	2.5	13.2	Si
496	5X/2Y Ø8/14.4	-1065	-128732	SLU 52	17927	38145	58834	2.5	35.82	3003	-119629	SLU 45	17432	39625	65483	2.5	13.2	Si
525	5X/2Y Ø8/14.4	-1065	-128534	SLU 52	17927	38145	58834	2.5	35.82	3003	-119431	SLU 45	17432	39625	65483	2.5	13.2	Si
554	5X/2Y Ø8/14.4	-1065	-128336	SLU 52	17927	38145	58834	2.5	35.82	3003	-119233	SLU 45	17432	39625	65483	2.5	13.2	Si
583	5X/2Y Ø8/14.4	-1065	-128138	SLU 52	17927	38145	58834	2.5	35.82	3003	-119035	SLU 45	17432	39625	65483	2.5	13.2	Si
612	5X/2Y Ø8/10	-1065	-127940	SLU 52	17927	55098	58834	2.5	51.74	3003	-118837	SLU 45	17432	57236	65483	2.5	19.06	Si
641	5X/2Y Ø8/10	-1065	-127742	SLU 52	17927	55098	58834	2.5	51.74	3003	-118639	SLU 45	17432	57236	65483	2.5	19.06	Si
670	5X/2Y Ø8/10	-1065	-127548	SLU 52	17927	55098	58834	2.5	51.74	3003	-118445	SLU 45	17432	57236	65483	2.5	19.06	Si
690	5X/2Y Ø8/10	-787	-89437	SLU 52	15366	51792	52691	2.35	65.82	503	-89055	SLU 50	15029	48385	55356	2.5	96.19	Si
719	5X/2Y Ø8/10	-787	-89268	SLU 52	15366	51792	52691	2.35	65.82	503	-88886	SLU 50	15029	48385	55356	2.5	96.19	Si
748	5X/2Y Ø8/10	-787	-89098	SLU 52	15366	51792	52691	2.35	65.82	503	-88716	SLU 50	15029	48385	55356	2.5	96.19	Si
777	5X/2Y Ø8/14.4	-787	-88928	SLU 52	15366	38145	50429	2.5	48.48	503	-88546	SLU 50	15029	33497	55356	2.5	66.6	Si
806	5X/2Y Ø8/14.4	-787	-88759	SLU 52	15366	38145	50429	2.5	48.48	503	-88377	SLU 50	15029	33497	55356	2.5	66.6	Si
835	5X/2Y Ø8/14.4	-787	-88589	SLU 52	15366	38145	50429	2.5	48.48	503	-88207	SLU 50	15029	33497	55356	2.5	66.6	Si
864	5X/2Y Ø8/14.4	-787	-88419	SLU 52	15366	38145	50429	2.5	48.48	503	-88037	SLU 50	15029	33497	55356	2.5	66.6	Si
893	5X/2Y Ø8/14.4	-787	-88250	SLU 52	15366	38145	50429	2.5	48.48	503	-87868	SLU 50	15029	33497	55356	2.5	66.6	Si
922	5X/2Y Ø8/10	-787	-88080	SLU 52	15366	51792	52691	2.35	65.82	503	-87698	SLU 50	15029	48385	55356	2.5	96.19	Si
951	5X/2Y Ø8/10	-787	-87911	SLU 52	15366	51792	52691	2.35	65.82	503	-87528	SLU 50	15029	48385	55356	2.5	96.19	Si
980	5X/2Y Ø8/10	-787	-87741	SLU 52	15366	51792	52691	2.35	65.82	503	-87359	SLU 50	15029	48385	55356	2.5	96.19	Si
1000	4X/2Y Ø8/10	-997	-50080	SLU 51	12540	41434	41866	2.35	41.57	704	-49742	SLU 50	12270	39534	43079	2.5	56.15	Si
1029	4X/2Y Ø8/10	-997	-49941	SLU 51	12523	41434	41848	2.35	41.57	704	-49603	SLU 50	12251	39534	43060	2.5	56.15	Si
1058	4X/2Y Ø8/10	-997	-49799	SLU 51	12505	41434	41829	2.35	41.57	704	-49462	SLU 50	12232	39534	43040	2.5	56.15	Si
1087	4X/2Y Ø8/14.4	-997	-49658	SLU 51	12488	30516	40015	2.5	30.61	704	-49320	SLU 50	12213	27370	43021	2.5	38.87	Si
1116	4X/2Y Ø8/14.4	-997	-49517	SLU 51	12470	30516	39997	2.5	30.61	704	-49179	SLU 50	12194	27370	43001	2.5	38.87	Si
1145	4X/2Y Ø8/14.4	-997	-49375	SLU 51	12453	30516	39979	2.5	30.61	704	-49037	SLU 50	12176	27370	42982	2.5	38.87	Si
1174	4X/2Y Ø8/14.4	-997	-49234	SLU 51	12435	30516	39961	2.5	30.61	704	-48896	SLU 50	12157	27370	42962	2.5	38.87	Si
1203	4X/2Y Ø8/14.4	-997	-49093	SLU 51	12417	30516	39942	2.5	30.61	704	-48755	SLU 50	12138	27370	42942	2.5	38.87	Si
1232	4X/2Y Ø8/10	-997	-48951	SLU 51	12400	41434	41714	2.35	41.57	704	-48613	SLU 50	12119	39534	42923	2.5	56.15	Si
1261	4X/2Y Ø8/10	-997	-48810	SLU 51	12382	41434	41695	2.35	41.57	704	-48472	SLU 50	12100	39534	42903	2.5	56.15	Si
1290	4X/2Y Ø8/10	-997	-48671	SLU 51	12365	41434	41677	2.35	41.57	704	-48333	SLU 50	12081	39534	42884	2.5	56.15	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-1242	-106259	SLV 5	17927	55104	58834	2.5	44.35	-5607	-108987	SLV 13	17432	57242	65483	2.5	10.21	Si
-111	5X/2Y Ø8/10	-1242	-106108	SLV 5	17927	55104	58834	2.5	44.35	-5607	-108835	SLV 13	17432	57242	65483	2.5	10.21	Si
-81	5X/2Y Ø8/10	-1242	-105953	SLV 5	17927	55104	58834	2.5	44.35	-5607	-108681	SLV 13	17432	57242	65483	2.5	10.21	Si
-52	5X/2Y Ø8/10	-1242	-105799	SLV 5	17927	55104	58834	2.5	44.35	-5607	-108526	SLV 13	17432	57242	65483	2.5	10.21	Si
-22	5X/2Y Ø8/14.7	-1242	-105644	SLV 5	17927	37388	58834	2.5	30.09	-5607	-108372	SLV 13	17432	38839	65483	2.5	6.93	Si
7	5X/2Y Ø8/14.7	-1242	-105490	SLV 5	17927	37388	58834	2.5	30.09	-5607	-108217	SLV 13	17432	38839	65483	2.5	6.93	Si
36	5X/2Y Ø8/14.7	-1242	-105336	SLV 5	17927	37388	58834	2.5	30.09	-5607	-108063	SLV 13	17432	38839	65483	2.5	6.93	Si
66	5X/2Y Ø8/14.7	-1242	-105181	SLV 5	17927	37388	58834	2.5	30.09	-5607	-107909	SLV 13	17432	38839	65483	2.5	6.93	Si
95	5X/2Y Ø8/14.7	-1242	-105027	SLV 5	17927	37388	58834	2.5	30.09	-5607	-107754	SLV 13	17432	38839	65483	2.5	6.93	Si
125	5X/2Y Ø8/14.7	-1242	-104872	SLV 5	17927	37388	58834	2.5	30.09	-5607	-107600	SLV 13	17432	38839	65483	2.5	6.93	Si
154	5X/2Y Ø8/14.7	-1242	-104718	SLV 5	17927	37388	58834	2.5	30.09	-5607	-107445	SLV 13	17432	38839	65483	2.5	6.93	Si
184	5X/2Y Ø8/14.7	-1242	-104564	SLV 5	17927	37388	58834	2.5	30.09	-5607	-107291	SLV 13	17432	38839	65483	2.5	6.93	Si
213	5X/2Y Ø8/14.7	-1242	-104408	SLV 5	17927	37388	58834	2.5	30.09	-5607	-107135	SLV 13	17432	38839	65483	2.5	6.93	Si
242	5X/2Y Ø8/10	-1242	-104255	SLV 5	17927	55098	58834	2.5	44.35	-5607	-106982	SLV 13	17432	57236	65483	2.5	10.21	Si
272	5X/2Y Ø8/10	-1242	-104100	SLV 5	17927	55098	58834	2.5	44.35	-5607	-106828	SLV 13	17432	57236	65483	2.5	10.21	Si
301	5X/2Y Ø8/10	-1242	-103946	SLV 5	17927	55098	58834	2.5	44.35	-5607	-106673	SLV 13	17432	57236	65483	2.5	10.21	Si
331	5X/2Y Ø8/10	-1242	-103791	SLV 5	17927	55098	58834	2.5	44.35	-5607	-106519	SLV 13	17432	57236	65483	2.5	10.21	Si
360	5X/2Y Ø8/10	-1242	-103640	SLV 5	17927	55098	58834	2.5	44.35	-5607	-106367	SLV 13	17432	57236	65483	2.5	10.21	Si
380	5X/2Y Ø8/10	-2896	-78804	SLV 5	17927	55098	57217	2.5	19.03	3599	-74493	SLV 3	17432	57236	63065	2.5	15.9	Si
409	5X/2Y Ø8/10	-2896	-78651	SLV 5	17927	55098	57197	2.5	19.03	3599	-74341	SLV 3	17432	57236	63043	2.5	15.9	Si
438	5X/2Y Ø8/10	-2896	-78499	SLV 5	17927	55098	57177	2.5	19.03	3599	-74188	SLV 3	17432	57236	63021	2.5	15.9	Si
467	5X/2Y Ø8/14.4	-2896	-78347	SLV 5	17927	38145	57158	2.5	13.17	3599	-74036	SLV 3	17432	39625	62999	2.5	11.01	Si
496	5X/2Y Ø8/14.4	-2896	-78195	SLV 5	17927	38145	57138	2.5	13.17	3599	-73884	SLV 3	17432	39625	62977	2.5	11.01	Si
525	5X/2Y Ø8/14.4	-2896	-78042	SLV 5	17927	38145	57119	2.5	13.17	3599	-73732	SLV 3	17432	39625	62955	2.5	11.01	Si
554	5X/2Y Ø8/14.4	-2896	-77890	SLV 5	17927	38145	57099	2.5	13.17	3599	-73579	SLV 3	17432	39625	62934	2.5	11.01	Si
583	5X/2Y Ø8/14.4	-2896	-77738	SLV 5	17927	38145	57079	2.5	13.17	3599	-73427	SLV 3	17432	39625	62912	2.5	11.01	Si
612	5X/2Y Ø8/10	-2896	-77586	SLV 5	17927	55098	57060	2.5	19.03	3599	-73275	SLV 3	17432	57236	62890	2.5	15.9	Si
641	5X/2Y Ø8/10	-2896	-77433	SLV 5	17927	55098	57040	2.5	19.03	3599	-73123	SLV 3	17432	57236	62868	2.5	15.9	Si
670	5X/2Y Ø8/10	-2896	-77284	SLV 5	17927	55098	57021	2.5	19.03	3599	-72973	SLV 3	17416	57236	62847	2.5	15.9	Si
690	5X/2Y Ø8/10	-2240	-53391	SLV 5	14214	49588	50822	2.25	22.13	3219	-49052	SLV 3	13171	48385	51220	2.5	15.03	Si
719	5X/2Y Ø8/10	-2240	-53260	SLV 5	14197	49588	50804	2.25	22.13	3219	-48922	SLV 3	13153	48385	51202	2.5	15.03	Si
748	5X/2Y Ø8/10	-2240	-53130	SLV 5	14181	49588	50786	2.25	22.13	3219	-48791	SLV 3	13135	48385	51183	2.5	15.03	Si
777	5X/2Y Ø8/14.4	-2240	-52999	SLV 5	14165	38145	47169	2.5	17.03	3219	-48661	SLV 3	13117	33497	51165	2.5	10.4	Si
806	5X/2Y Ø8/14.4	-2240	-52869	SLV 5	14149	38145	47153	2.5	17.03	3219	-48530	SLV 3	13099	33497	51146	2.5	10.4	Si
835	5X/2Y Ø8/14.4	-2240	-52738	SLV 5	14132	38145	47136	2.5	17.03	3219	-48400	SLV 3	13081	33497	51128	2.5	10.4	Si
864	5X/2Y Ø8/14.4	-2240	-52608	SLV 5	14116	38145	47119	2.5	17.03	3219	-48269	SLV 3	13064	33497	51109	2.5	10.4	Si
893	5X/2Y Ø8/14.4	-2240	-52477	SLV 5	14100	38145	47102	2.5	17.03	3219	-48139	SLV 3	13046	33497	51091	2.5	10.4	Si
922	5X/2Y Ø8/10	-2240	-52347	SLV 5	14084	49588	50677	2.25	22.13	3219	-48008	SLV 3	13028	48385	51072	2.5	15.03	Si
951	5X/2Y Ø8/10	-2240	-52216	SLV 5	14067	49588	50659	2.25	22.13	3219	-47878	SLV 3	13010	48385	51054	2.5	15.03	Si
980	5X/2Y Ø8/10	-2240	-52086	SLV 5	14051	49588	50641	2.25	22.13	3219	-47747	SLV 3	12992	48385	51035	2.5	15.03	Si
1000	4X/2Y Ø8/10	-2491	-28518	SLV 5	9856	39671	40137	2.25	15.92	3850	-24067	SLV 3	8830	38743	40099	2.45	10.06	Si
1029	4X/2Y Ø8/10	-2491	-28411	SLV 5	9843	39671	40123	2.25	15.92	3850	-23961	SLV 3	8815	38743	40084	2.45	10.06	Si
1058	4X/2Y Ø8/10	-2491	-28302	SLV 5	9829	39671	40108	2.25	15.92	3850	-23852	SLV 3	8801	38743	40068	2.45	10.06	Si
1087	4X/2Y Ø8/14.4	-2491	-28193	SLV 5	9815	30516	37251	2.5	12.25	3850	-23743	SLV 3	8786	27370	39475	2.5	7.11	Si
1116	4X/2Y Ø8/14.4	-2491	-28085	SLV 5	9802	30516	37237	2.5	12.25	3850	-23634	SLV 3	8772	27370	39460	2.5	7.11	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1145	4X/2Y Ø8/14.4	-2491	-27976	SLV 5	9788	30516	37223	2.5	12.25	3850	-23526	SLV 3	8757	27370	39445	2.5	7.11	Si
1174	4X/2Y Ø8/14.4	-2491	-27867	SLV 5	9775	30516	37209	2.5	12.25	3850	-23417	SLV 3	8742	27370	39430	2.5	7.11	Si
1203	4X/2Y Ø8/14.4	-2491	-27758	SLV 5	9761	30516	37195	2.5	12.25	3850	-23308	SLV 3	8728	27370	39415	2.5	7.11	Si
1232	4X/2Y Ø8/10	-2491	-27650	SLV 5	9748	39671	40017	2.25	15.92	3850	-23199	SLV 3	8713	38743	39977	2.45	10.06	Si
1261	4X/2Y Ø8/10	-2491	-27541	SLV 5	9734	39671	40002	2.25	15.92	3850	-23091	SLV 3	8699	38743	39961	2.45	10.06	Si
1290	4X/2Y Ø8/10	-2491	-27434	SLV 5	9721	39671	39987	2.25	15.92	3850	-22984	SLV 3	8684	38743	39946	2.45	10.06	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-547	-105594	SLD 5	21974	55104	58834	2.5	100.69	-2368	-106661	SLD 13	22084	57242	65483	2.5	24.18	Si
-111	5X/2Y Ø8/10	-547	-105442	SLD 5	21955	55104	58834	2.5	100.69	-2368	-106510	SLD 13	22063	57242	65483	2.5	24.18	Si
-81	5X/2Y Ø8/10	-547	-105288	SLD 5	21936	55104	58834	2.5	100.69	-2368	-106355	SLD 13	22042	57242	65483	2.5	24.18	Si
-52	5X/2Y Ø8/10	-547	-105134	SLD 5	21917	55104	58834	2.5	100.69	-2368	-106201	SLD 13	22020	57242	65483	2.5	24.18	Si
-22	5X/2Y Ø8/14.7	-547	-104979	SLD 5	21897	37388	58834	2.5	68.32	-2368	-106046	SLD 13	21999	38839	65483	2.5	16.4	Si
7	5X/2Y Ø8/14.7	-547	-104825	SLD 5	21878	37388	58834	2.5	68.32	-2368	-105892	SLD 13	21978	38839	65483	2.5	16.4	Si
36	5X/2Y Ø8/14.7	-547	-104670	SLD 5	21859	37388	58834	2.5	68.32	-2368	-105738	SLD 13	21956	38839	65483	2.5	16.4	Si
66	5X/2Y Ø8/14.7	-547	-104516	SLD 5	21840	37388	58834	2.5	68.32	-2368	-105583	SLD 13	21935	38839	65483	2.5	16.4	Si
95	5X/2Y Ø8/14.7	-547	-104361	SLD 5	21821	37388	58834	2.5	68.32	-2368	-105429	SLD 13	21913	38839	65483	2.5	16.4	Si
125	5X/2Y Ø8/14.7	-547	-104207	SLD 5	21801	37388	58834	2.5	68.32	-2368	-105274	SLD 13	21892	38839	65483	2.5	16.4	Si
154	5X/2Y Ø8/14.7	-547	-104053	SLD 5	21782	37388	58834	2.5	68.32	-2368	-105120	SLD 13	21871	38839	65483	2.5	16.4	Si
184	5X/2Y Ø8/14.7	-547	-103898	SLD 5	21763	37388	58834	2.5	68.32	-2368	-104966	SLD 13	21849	38839	65483	2.5	16.4	Si
213	5X/2Y Ø8/14.7	-547	-103742	SLD 5	21743	37388	58834	2.5	68.32	-2368	-104810	SLD 13	21828	38839	65483	2.5	16.4	Si
242	5X/2Y Ø8/10	-547	-103589	SLD 5	21724	55098	58834	2.5	100.68	-2368	-104657	SLD 13	21806	57236	65483	2.5	24.17	Si
272	5X/2Y Ø8/10	-547	-103435	SLD 5	21705	55098	58834	2.5	100.68	-2368	-104502	SLD 13	21785	57236	65483	2.5	24.17	Si
301	5X/2Y Ø8/10	-547	-103281	SLD 5	21686	55098	58834	2.5	100.68	-2368	-104348	SLD 13	21764	57236	65483	2.5	24.17	Si
331	5X/2Y Ø8/10	-547	-103126	SLD 5	21667	55098	58834	2.5	100.68	-2368	-104193	SLD 13	21742	57236	65483	2.5	24.17	Si
360	5X/2Y Ø8/10	-547	-102974	SLD 5	21648	55098	58834	2.5	100.68	-2368	-104042	SLD 13	21721	57236	65483	2.5	24.17	Si
380	5X/2Y Ø8/10	-1509	-78360	SLD 5	18583	55098	57160	2.5	36.52	1852	-76666	SLD 3	17928	57236	63376	2.5	30.9	Si
409	5X/2Y Ø8/10	-1509	-78208	SLD 5	18564	55098	57140	2.5	36.52	1852	-76514	SLD 3	17907	57236	63354	2.5	30.9	Si
438	5X/2Y Ø8/10	-1509	-78056	SLD 5	18545	55098	57120	2.5	36.52	1852	-76361	SLD 3	17886	57236	63332	2.5	30.9	Si
467	5X/2Y Ø8/14.4	-1509	-77904	SLD 5	18527	38145	57101	2.5	25.29	1852	-76209	SLD 3	17864	39625	63311	2.5	21.39	Si
496	5X/2Y Ø8/14.4	-1509	-77751	SLD 5	18508	38145	57081	2.5	25.29	1852	-76057	SLD 3	17843	39625	63289	2.5	21.39	Si
525	5X/2Y Ø8/14.4	-1509	-77599	SLD 5	18489	38145	57062	2.5	25.29	1852	-75905	SLD 3	17822	39625	63267	2.5	21.39	Si
554	5X/2Y Ø8/14.4	-1509	-77447	SLD 5	18470	38145	57042	2.5	25.29	1852	-75752	SLD 3	17801	39625	63245	2.5	21.39	Si
583	5X/2Y Ø8/14.4	-1509	-77295	SLD 5	18451	38145	57022	2.5	25.29	1852	-75600	SLD 3	17780	39625	63223	2.5	21.39	Si
612	5X/2Y Ø8/10	-1509	-77142	SLD 5	18432	55098	57003	2.5	36.52	1852	-75448	SLD 3	17759	57236	63201	2.5	30.9	Si
641	5X/2Y Ø8/10	-1509	-76990	SLD 5	18413	55098	56983	2.5	36.52	1852	-75296	SLD 3	17738	57236	63180	2.5	30.9	Si
670	5X/2Y Ø8/10	-1509	-76840	SLD 5	18394	55098	56964	2.5	36.52	1852	-75146	SLD 3	17717	57236	63158	2.5	30.9	Si
690	5X/2Y Ø8/10	-1157	-52994	SLD 5	14164	55098	47169	2.5	40.78	1469	-51285	SLD 3	13476	48385	51536	2.5	32.94	Si
719	5X/2Y Ø8/10	-1157	-52863	SLD 5	14148	55098	47152	2.5	40.76	1469	-51154	SLD 3	13458	48385	51517	2.5	32.94	Si
748	5X/2Y Ø8/10	-1157	-52733	SLD 5	14132	55098	47135	2.5	40.75	1469	-51024	SLD 3	13440	48385	51499	2.5	32.94	Si
777	5X/2Y Ø8/14.4	-1157	-52602	SLD 5	14115	38145	47118	2.5	32.98	1469	-50893	SLD 3	13422	33497	51480	2.5	22.81	Si
806	5X/2Y Ø8/14.4	-1157	-52472	SLD 5	14099	38145	47101	2.5	32.98	1469	-50763	SLD 3	13404	33497	51462	2.5	22.81	Si
835	5X/2Y Ø8/14.4	-1157	-52341	SLD 5	14083	38145	47085	2.5	32.98	1469	-50632	SLD 3	13387	33497	51443	2.5	22.81	Si
864	5X/2Y Ø8/14.4	-1157	-52211	SLD 5	14067	38145	47068	2.5	32.98	1469	-50502	SLD 3	13369	33497	51425	2.5	22.81	Si
893	5X/2Y Ø8/14.4	-1157	-52080	SLD 5	14050	38145	47051	2.5	32.98	1469	-50371	SLD 3	13351	33497	51406	2.5	22.81	Si
922	5X/2Y Ø8/10	-1157	-51950	SLD 5	14034	55098	47034	2.5	40.66	1469	-50241	SLD 3	13333	48385	51388	2.5	32.94	Si
951	5X/2Y Ø8/10	-1157	-51819	SLD 5	14018	55098	47017	2.5	40.65	1469	-50110	SLD 3	13315	48385	51370	2.5	32.94	Si
980	5X/2Y Ø8/10	-1157	-51689	SLD 5	14002	55098	47001	2.5	40.63	1469	-49980	SLD 3	13297	48385	51351	2.5	32.94	Si
1000	4X/2Y Ø8/10	-1320	-28127	SLD 5	9807	44078	37242	2.5	28.21	1735	-26373	SLD 3	9139	39534	39840	2.5	22.78	Si
1029	4X/2Y Ø8/10	-1320	-28020	SLD 5	9794	44078	37228	2.5	28.2	1735	-26266	SLD 3	9124	39534	39825	2.5	22.78	Si
1058	4X/2Y Ø8/10	-1320	-27911	SLD 5	9780	44078	37214	2.5	28.19	1735	-26158	SLD 3	9110	39534	39810	2.5	22.78	Si
1087	4X/2Y Ø8/14.4	-1320	-27803	SLD 5	9767	30516	37200	2.5	23.12	1735	-26049	SLD 3	9095	27370	39795	2.5	15.77	Si
1116	4X/2Y Ø8/14.4	-1320	-27694	SLD 5	9753	30516	37186	2.5	23.12	1735	-25940	SLD 3	9081	27370	39780	2.5	15.77	Si
1145	4X/2Y Ø8/14.4	-1320	-27585	SLD 5	9740	30516	37172	2.5	23.12	1735	-25831	SLD 3	9066	27370	39765	2.5	15.77	Si
1174	4X/2Y Ø8/14.4	-1320	-27476	SLD 5	9726	30516	37158	2.5	23.12	1735	-25723	SLD 3	9051	27370	39750	2.5	15.77	Si
1203	4X/2Y Ø8/14.4	-1320	-27368	SLD 5	9713	30516	37144	2.5	23.12	1735	-25614	SLD 3	9037	27370	39735	2.5	15.77	Si
1232	4X/2Y Ø8/10	-1320	-27259	SLD 5	9699	44078	37130	2.5	28.13	1735	-25505	SLD 3	9022	39534	39720	2.5	22.78	Si
1261	4X/2Y Ø8/10	-1320	-27150	SLD 5	9686	44078	37116	2.5	28.12	1735	-25396	SLD 3	9008	39534	39704	2.5	22.78	Si
1290	4X/2Y Ø8/10	-1320	-27043	SLD 5	9672	44078	37103	2.5	28.11	1735	-25290	SLD 3	8993	39534	39690	2.5	22.78	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	679934	9136	-115163	SLE RA 7	-71.1	679934	9136	-115163	SLE RA 7	-1008.4	Si
-111	611043	7803	-115012	SLE RA 7	-68.5	611043	7803	-115012	SLE RA 7	-976.1	Si
-81	540960	6446	-114857	SLE RA 7	-65.9	540960	6446	-114857	SLE RA 7	-943.2	Si
-52	470877	5090	-114703	SLE RA 7	-63.3	470877	5090	-114703	SLE RA 7	-910.3	Si
-22	400794	3734	-114548	SLE RA 7	-60.7	400794	3734	-114548	SLE RA 7	-877.5	Si
7	330712	2378	-114394	SLE RA 7	-58.1	226333	7542	-121606	SLE RA 13	-846.4	Si
36	179966	4972	-121452	SLE RA 13	-56	179966	4972	-121452	SLE RA 13	-823.1	Si
66	133599	2401	-121297	SLE RA 13	-54.1	133599	2401	-121297	SLE RA 13	-799.8	Si
95	87233	-169	-121143	SLE RA 13	-52.2	87233	-169	-121143	SLE RA 13	-776.7	Si
125	40866	-2740	-120988	SLE RA 13	-50.8	40866	-2740	-120988	SLE RA 13	-757.2	Si
154	13200	-6233	-120790	SLE RA 12	-50	13200	-6233	-120790	SLE RA 12	-746.5	Si
184	-51868	-7880	-120680	SLE RA 13	-51.4	-51868	-7880	-120680	SLE RA 13	-764.1	Si
213	-98683	-10475	-120524	SLE RA 13	-53.2	-98683	-10475	-120524	SLE RA 13	-785.7	Si
242	-144601	-13021	-120371	SLE RA 13	-54.9	-144601	-13021	-120371	SLE RA 13	-807	Si
272	-300034	-9829	-113004	SLE RA 7	-57.1	-190968	-15591	-120216	SLE RA 13	-828.4	Si
301	-370117	-11185	-112850	SLE RA 7	-59.5	-370117	-11185	-112850	SLE RA 7	-859.2	Si
331	-440199	-12541	-112695	SLE RA 7	-62	-440199	-12541	-112695	SLE RA 7	-890.2	Si
360	-509091	-13874	-112544	SLE RA 7	-64.5	-509091	-13874	-112544	SLE RA 7	-920.6	Si
380	-520715	111949	-86176	SLE RA 7	-61.8	-520715	111949	-86176	SLE RA 7	-839	Si
409	-461399	91333	-86024	SLE RA 7	-58.1	-461399	91333	-86024	SLE RA 7	-796.4	Si
438	-402084	70717	-85872	SLE RA 7	-54.3	-402084	70717	-85872	SLE RA 7	-753.8	Si
467	-342768	50101	-85719	SLE RA 7	-50.6	-342768	50101	-85719	SLE RA 7	-711.2	Si
496	-283452	29485	-85567	SLE RA 7	-46.9	-283452	29485	-85567	SLE RA 7	-668.6	Si
525	-224136	8869	-85415	SLE RA 7	-43.2	-156478	7833	-91221	SLE RA 13	-630.7	Si
554	-110471	-14012	-91069	SLE RA 13	-41.9	-110471	-14012	-91069	SLE RA 13	-614.1	Si
583	-64465	-35856	-90917	SLE RA 13	-42	-64465	-35856	-90917	SLE RA 13	-609.4	Si
612	20555	-58543	-90725	SLE RA 12	-42.1	20555	-58543	-90725	SLE RA 12	-605.9	Si
641	44652	-80033	-90572	SLE RA 12	-44.5	44652	-80033	-90572	SLE RA 12	-630.8	Si
670	72763	-101014	-90463	SLE RA 13	-45	72763	-101014	-90463	SLE RA 13	-631.4	Si
690	-51211	82172	-63428	SLE RA 12	-39	-51211	82172	-63428	SLE RA 12	-539.6	Si
719	-40950	66175	-63298	SLE RA 12	-37.6	-40950	66175	-63298	SLE RA 12	-527.6	Si
748	-30690	50178	-63167	SLE RA 12	-36.1	-30690	50178	-63167	SLE RA 12	-513.1	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
777	-20430	34182	-63037	SLE RA 12	-34.1	-20430	34182	-63037	SLE RA 12	-492.1	Si
806	-10170	18185	-62906	SLE RA 12	-32.1	-10170	18185	-62906	SLE RA 12	-471	Si
835	3838	2207	-62804	SLE RA 13	-30.3	3838	2207	-62804	SLE RA 13	-452.5	Si
864	14171	-13928	-62674	SLE RA 13	-31.8	14171	-13928	-62674	SLE RA 13	-467.9	Si
893	24503	-30063	-62543	SLE RA 13	-33.7	24503	-30063	-62543	SLE RA 13	-487.3	Si
922	34835	-46199	-62413	SLE RA 13	-35.6	34835	-46199	-62413	SLE RA 13	-506.7	Si
951	45167	-62334	-62282	SLE RA 13	-37.4	45167	-62334	-62282	SLE RA 13	-525	Si
980	55500	-78469	-62152	SLE RA 13	-37.3	55500	-78469	-62152	SLE RA 13	-518.4	Si
1000	-73952	94294	-35244	SLE RA 11	-34.5	-71059	94808	-35490	SLE RA 13	-449	Si
1029	-58194	74716	-35383	SLE RA 13	-31.5	-58194	74716	-35383	SLE RA 13	-417.3	Si
1058	-44990	54459	-35254	SLE RA 12	-28.4	-45103	54271	-35275	SLE RA 13	-385.1	Si
1087	-32237	34002	-35145	SLE RA 12	-25.3	-32237	34002	-35145	SLE RA 12	-353	Si
1116	-19483	13546	-35036	SLE RA 12	-22.2	-19483	13546	-35036	SLE RA 12	-321	Si
1145	-6730	-6911	-34928	SLE RA 12	-20.6	-6730	-6911	-34928	SLE RA 12	-303.2	Si
1174	10337	-27195	-34594	SLE RA 11	-22.8	10337	-27195	-34594	SLE RA 11	-324.1	Si
1203	24425	-47502	-34485	SLE RA 11	-25.8	24425	-47502	-34485	SLE RA 11	-355.2	Si
1232	38514	-67809	-34376	SLE RA 11	-28.9	38514	-67809	-34376	SLE RA 11	-386.2	Si
1261	52603	-88115	-34267	SLE RA 11	-31.9	52603	-88115	-34267	SLE RA 11	-417.3	Si
1290	66448	-108071	-34161	SLE RA 11	-32.8	66448	-108071	-34161	SLE RA 11	-421.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	83368	24067	-105166	SLE QP 2	-47.5	Si
-111	75989	21150	-105014	SLE QP 2	-46.9	Si
-81	68482	18184	-104860	SLE QP 2	-46.4	Si
-52	60976	15217	-104705	SLE QP 2	-45.8	Si
-22	53469	12250	-104551	SLE QP 2	-45.3	Si
7	45962	9283	-104397	SLE QP 2	-44.7	Si
36	38456	6317	-104242	SLE QP 2	-44.2	Si
66	30949	3350	-104088	SLE QP 2	-43.6	Si
95	23442	383	-103933	SLE QP 2	-43.1	Si
125	15936	-2583	-103779	SLE QP 2	-42.9	Si
154	8429	-5550	-103625	SLE QP 2	-42.8	Si
184	922	-8517	-103470	SLE QP 2	-42.7	Si
213	-6657	-11512	-103314	SLE QP 2	-43.1	Si
242	-14091	-14450	-103161	SLE QP 2	-43.5	Si
272	-21598	-17417	-103007	SLE QP 2	-43.9	Si
301	-29104	-20384	-102852	SLE QP 2	-44.4	Si
331	-36611	-23350	-102698	SLE QP 2	-44.8	Si
360	-43990	-26267	-102546	SLE QP 2	-45.2	Si
380	-151909	95539	-78071	SLE QP 2	-44.4	Si
409	-130687	77505	-77918	SLE QP 2	-42.2	Si
438	-109465	59471	-77766	SLE QP 2	-40	Si
467	-88243	41438	-77614	SLE QP 2	-37.8	Si
496	-67021	23404	-77462	SLE QP 2	-35.6	Si
525	-45799	5370	-77309	SLE QP 2	-33.4	Si
554	-24577	-12664	-77157	SLE QP 2	-33.2	Si
583	-3355	-30698	-77005	SLE QP 2	-33.8	Si
612	17867	-48732	-76853	SLE QP 2	-35.6	Si
641	39089	-66766	-76700	SLE QP 2	-37.7	Si
670	59945	-84489	-76551	SLE QP 2	-37.9	Si
690	-48492	68237	-52732	SLE QP 2	-32.7	Si
719	-38602	54870	-52602	SLE QP 2	-31.5	Si
748	-28712	41503	-52471	SLE QP 2	-30.1	Si
777	-18823	28135	-52341	SLE QP 2	-28.4	Si
806	-8933	14768	-52210	SLE QP 2	-26.6	Si
835	957	1401	-52080	SLE QP 2	-25	Si
864	10847	-11967	-51949	SLE QP 2	-26.3	Si
893	20736	-25334	-51819	SLE QP 2	-28	Si
922	30626	-38701	-51688	SLE QP 2	-29.6	Si
951	40516	-52069	-51558	SLE QP 2	-31.2	Si
980	50406	-65436	-51427	SLE QP 2	-31.1	Si
1000	-59547	76981	-27870	SLE QP 2	-27.6	Si
1029	-49270	60913	-27763	SLE QP 2	-25.2	Si
1058	-38812	44563	-27654	SLE QP 2	-22.7	Si
1087	-28355	28213	-27546	SLE QP 2	-20.2	Si
1116	-17897	11863	-27437	SLE QP 2	-17.7	Si
1145	-7440	-4487	-27328	SLE QP 2	-16.1	Si
1174	3018	-20837	-27219	SLE QP 2	-17.5	Si
1203	13475	-37187	-27111	SLE QP 2	-19.9	Si
1232	23933	-53538	-27002	SLE QP 2	-22.3	Si
1261	34390	-69888	-26893	SLE QP 2	-24.6	Si
1290	44667	-85956	-26786	SLE QP 2	-25.3	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

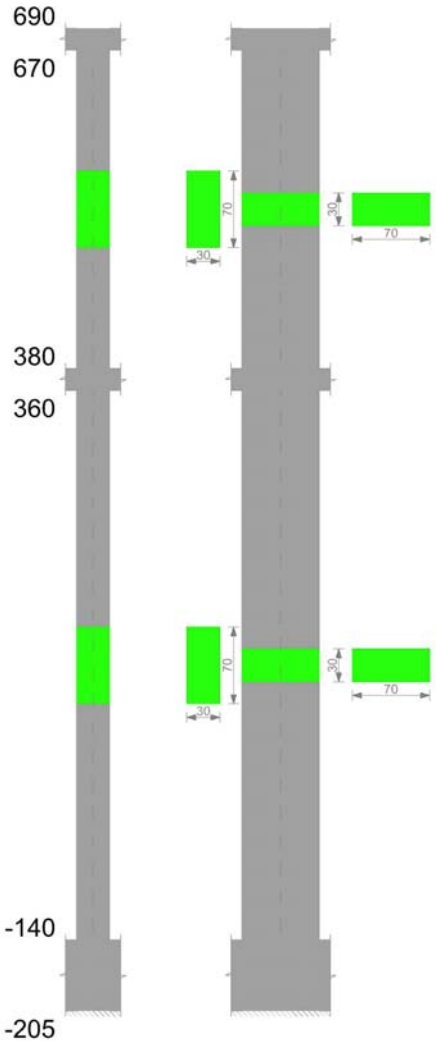
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.

Pilastro 61

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x70	No	No	No	No		C30/37	B450C	
380	670	R 30x70	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.67	-29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.67	29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.67	29.67	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	-18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	-6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	-9.9	18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	-18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	-6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	6.14	1.6	2.011	-172.5	-140	R 30x70	B450C
p.1	9.9	18.42	1.6	2.011	-172.5	-140	R 30x70	B450C
p.2	-9.67	-29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.67	-29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.67	29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.67	29.67	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	-18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	-6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	-9.9	18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	-18.42	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	-6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	6.14	1.6	2.011	-140	380	R 30x70	B450C
p.2	9.9	18.42	1.6	2.011	-140	380	R 30x70	B450C
p.3	-9.67	-29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	9.67	-29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	9.67	29.67	1.6	2.011	380	690	R 30x70	B450C
p.3	-9.67	29.67	1.6	2.011	380	690	R 30x70	B450C
p.4	-9.9	-18.42	1.6	2.011	380	690	R 30x70	B450C
p.4	-9.9	-6.14	1.6	2.011	380	690	R 30x70	B450C
p.4	-9.9	6.14	1.6	2.011	380	690	R 30x70	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.4	-9.9	18.42	1.6	2.011	380	690	R 30x70	B450C
p.4	9.9	-18.42	1.6	2.011	380	690	R 30x70	B450C
p.4	9.9	-6.14	1.6	2.011	380	690	R 30x70	B450C
p.4	9.9	6.14	1.6	2.011	380	690	R 30x70	B450C
p.4	9.9	18.42	1.6	2.011	380	690	R 30x70	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	2.3	0	1,2	-326892	-326892	-120513	-967634	-967634	SLU 49	2.96	Si
-111	24.13	2.3	0	1,2	-326357	-326357	-120316	-967634	-967634	SLU 49	2.965	Si
-81	24.13	1.1	0	2	-325813	-325813	-120115	-967634	-967634	SLU 49	2.97	Si
-52	24.13	1.1	0	2	-325268	-325268	-119915	-967634	-967634	SLU 49	2.975	Si
-22	24.13	1.1	0	2	-324724	-324724	-119714	-967634	-967634	SLU 49	2.98	Si
7	24.13	1.1	0	2	-324179	324179	-119513	-967634	967634	SLU 49	2.985	Si
36	24.13	1.1	0	2	-323635	323635	-119312	-967634	967634	SLU 49	2.99	Si
66	24.13	1.1	0	2	323090	323090	-119112	967634	967634	SLU 49	2.995	Si
95	24.13	1.1	0	2	322546	322546	-118911	967634	967634	SLU 49	3	Si
125	24.13	1.1	0	2	322001	322001	-118710	967634	967634	SLU 49	3.005	Si
154	24.13	1.1	0	2	321457	321457	-118509	967634	967634	SLU 49	3.01	Si
184	24.13	1.1	0	2	320912	320912	-118309	967634	967634	SLU 49	3.015	Si
213	24.13	1.1	0	2	320362	320362	-118106	967634	967634	SLU 49	3.02	Si
242	24.13	1.1	0	2	319823	319823	-117907	967634	967634	SLU 49	3.026	Si
272	24.13	1.1	0	2	319279	319279	-117706	967634	967634	SLU 49	3.031	Si
301	24.13	1.1	0	2	318734	318734	-117506	967634	967634	SLU 49	3.036	Si
331	24.13	1.1	0	2	318190	318190	-117305	967634	967634	SLU 49	3.041	Si
360	24.13	1.1	0	2	317654	317654	-117108	967634	967634	SLU 49	3.046	Si
380	24.13	2.3	0	2,3,4	-553148	170273	-85136	-2200683	677424	SLU 49	3.978	Si
409	24.13	2.3	0	2,3,4	-342626	-169877	-84938	-1475168	-731401	SLU 49	4.305	Si
438	24.13	1.1	0	3,4	-170336	170336	-85168	-763108	763108	SLU 50	4.48	Si
467	24.13	1.1	0	3,4	169940	-169940	-84970	763108	-763108	SLU 50	4.49	Si
496	24.13	1.1	0	3,4	339897	-169544	-84772	1467259	-731884	SLU 50	4.317	Si
525	24.13	1.1	0	3,4	543471	-169148	-84574	2182003	-679120	SLU 50	4.015	Si
554	24.13	1.1	0	3,4	747044	-168752	-84376	2759831	-623427	SLU 50	3.694	Si
583	24.13	1.1	0	3,4	950618	-168356	-84178	3219442	-570170	SLU 50	3.387	Si
612	24.13	1.1	0	3,4	1154192	-167961	-83980	3572120	-519823	SLU 50	3.095	Si
641	24.13	1.1	0	3,4	1357766	-167565	-83782	3837361	-473577	SLU 50	2.826	Si
670	33.15	2.3	0	3,4	1557829	-167176	-83588	4368883	-468839	SLU 50	2.804	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	24.13	2.3	0	1,2	-1429060	-349735	-67164	-2.02	1.92	-2780893	-680570	SLV 15	1.946				Si
-111	24.13	2.3	0	1,2	-1323569	-315010	-67012	-2.02	1.92	-2811172	-669059	SLV 15	2.124				Si
-81	24.13	1.1	0	2	-1216280	-279685	-66858	-2.02	1.92	-2837637	-652519	SLV 15	2.333				Si
-52	24.13	1.1	0	2	-1109028	-244364	-66704	-2.02	1.92	-2854227	-628903	SLV 15	2.574				Si
-22	24.13	1.1	0	2	-1222574	50287	-77174	-2.02	1.92	-3430645	141110	SLV 11	2.806				Si
7	24.13	1.1	0	2	-1096323	46192	-77020	-2.02	1.92	-3312499	139567	SLV 11	3.021				Si
36	24.13	1.1	0	2	761026	151536	-79503	-2.02	1.92	2467136	491258	SLV 1	3.242				Si
66	24.13	1.1	0	2	679186	123552	-79348	-2.02	1.92	2351465	427760	SLV 1	3.462				Si
95	24.13	1.1	0	2	597517	95611	-79194	-2.02	1.92	2207646	353254	SLV 1	3.695				Si
125	24.13	1.1	0	2	516121	67799	-79040	-2.02	1.92	2036031	267459	SLV 1	3.945				Si
154	24.13	1.1	0	2	435235	38571	-78885	-2.02	1.92	1841944	163235	SLV 1	4.232				Si
184	24.13	1.1	0	2	355293	7470	-78731	-2.02	1.92	1620880	34079	SLV 1	4.562				Si
213	24.13	1.1	0	2	133178	-35288	-82520	-2.02	1.92	624209	-165395	SLV 3	4.687				Si
242	24.13	1.1	0	2	115527	-73755	-82367	-2.02	1.92	542483	-346333	SLV 3	4.696				Si
272	24.13	1.1	0	2	82949	-112935	-82212	-2.02	1.92	378162	-514866	SLV 3	4.559				Si
301	24.13	1.1	0	2	39583	-152234	-82058	-2.02	1.92	175062	-673276	SLV 3	4.423				Si
331	24.13	1.1	0	2	307202	215249	-64696	-2.02	1.92	1306257	915264	SLV 15	4.252				Si
360	24.13	1.1	0	2	407369	249959	-64544	-2.02	1.92	1572105	964633	SLV 15	3.859				Si
380	24.13	2.3	0	2,3,4	-609556	463592	-58614	-2.02	1.92	-1602885	1219060	SLV 3	2.63				Si
409	24.13	2.3	0	2,3,4	-426268	358088	-58462	-2.02	1.92	-1446867	1215445	SLV 3	3.394				Si
438	24.13	1.1	0	3,4	-244534	252602	-58310	-2.02	1.92	-1079457	1115069	SLV 3	4.414				Si
467	24.13	1.1	0	3,4	83526	147168	-58158	-2.02	1.92	472261	832092	SLV 3	5.654				Si
496	24.13	1.1	0	3,4	238281	42038	-58005	-2.02	1.92	1433039	252820	SLV 3	6.014				Si
525	24.13	1.1	0	3,4	372581	-64327	-57853	-2.02	1.92	1979304	-341733	SLV 3	5.312				Si
554	24.13	1.1	0	3,4	535975	-170044	-57701	-2.02	1.92	2236765	-709637	SLV 3	4.173				Si
583	24.13	1.1	0	3,4	712891	-275405	-57549	-2.02	1.92	2295081	-886639	SLV 3	3.219				Si
612	24.13	1.1	0	3,4	894215	-380873	-57396	-2.02	1.92	2239217	-953749	SLV 3	2.504				Si
641	24.13	1.1	0	3,4	1077310	-486370	-57244	-2.02	1.92	2157385	-973988	SLV 3	2.003				Si
670	33.15	2.3	0	3,4	1258088	-590060	-57095	-2.02	1.92	2315509	-1086005	SLV 3	1.84				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	2.3	0	1,2	-612185	-146686	-71210	-2273881	-544846	SLD 15	3.714	Si
-111	24.13	2.3	0	1,2	-563370	-130838	-71058	-2185688	-507606	SLD 15	3.88	Si
-81	24.13	1.1	0	2	-614900	18275	-75046	-2486731	73906	SLD 11	4.044	Si
-52	24.13	1.1	0	2	-557779	18838	-74892	-2328268	78634	SLD 11	4.174	Si
-22	24.13	1.1	0	2	-500687	19405	-74737	-2159321	83688	SLD 11	4.313	Si
7	24.13	1.1	0	2	-443630	19977	-74583	-1978883	89110	SLD 11	4.461	Si
36	24.13	1.1	0	2	-386624	20558	-74428	-1785668	94949	SLD 11	4.619	Si
66	24.13	1.1	0	2	264485	54568	-75303	1258429	259636	SLD 1	4.758	Si
95	24.13	1.1	0	2	240233	45801	-75148	1173679	223767	SLD 1	4.886	Si
125	24.13	1.1	0	2	216132	37121	-74994	1084718	186304	SLD 1	5.019	Si
154	24.13	1.1	0	2	93350	30285	-76378	472717	153359	SLD 3	5.064	Si
184	24.13	1.1	0	2	91528	13822	-76223	464432	70133	SLD 3	5.074	Si
213	24.13	1.1	0	2	90364	2628	-76067	459463	13362	SLD 3	5.085	Si
242	24.13	1.1	0	2	91890	-10275	-75914	468164	-52348	SLD 3	5.095	Si
272	24.13	1.1	0	2	85570	-23477	-75760	436854	-119858	SLD 3	5.105	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
301	24.13	1.1	0	2	74558	-36743	-75606	381411	-187965	SLD 3	5.116	Si
331	24.13	1.1	0	2	192818	111243	-68742	956019	551557	SLD 15	4.958	Si
360	24.13	1.1	0	2	238917	127081	-68590	1132468	602364	SLD 15	4.74	Si
380	24.13	2.3	0	2,3,4	-447181	182849	-54206	-1996222	816241	SLD 3	4.464	Si
409	24.13	2.3	0	2,3,4	-298278	136465	-54054	-1577492	721716	SLD 3	5.289	Si
438	24.13	1.1	0	3,4	-150126	90091	-53901	-945442	567361	SLD 3	6.298	Si
467	24.13	1.1	0	3,4	63514	43747	-53749	457040	314800	SLD 3	7.196	Si
496	24.13	1.1	0	3,4	203710	-2418	-53597	1417455	-16824	SLD 3	6.958	Si
525	24.13	1.1	0	3,4	332589	-49318	-53445	1955424	-289963	SLD 3	5.879	Si
554	24.13	1.1	0	3,4	471578	-95815	-53292	2363295	-480171	SLD 3	5.011	Si
583	24.13	1.1	0	3,4	616838	-142116	-53140	2610916	-601540	SLD 3	4.233	Si
612	24.13	1.1	0	3,4	764481	-188479	-52988	2719194	-670404	SLD 3	3.557	Si
641	24.13	1.1	0	3,4	913136	-234859	-52836	2738390	-704316	SLD 3	2.999	Si
670	33.15	2.3	0	3,4	1059717	-280447	-52686	2952682	-781408	SLD 3	2.786	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	1118	-112720	SLU 46	17927	55104	58834	2.5	49.27	1276	-112725	SLU 45	17432	57242	65483	2.5	44.86	Si
-111	5X/2Y Ø8/10	1118	-112523	SLU 46	17927	55104	58834	2.5	49.27	1276	-112527	SLU 45	17432	57242	65483	2.5	44.86	Si
-81	5X/2Y Ø8/10	1118	-112322	SLU 46	17927	55104	58834	2.5	49.27	1276	-112326	SLU 45	17432	57242	65483	2.5	44.86	Si
-52	5X/2Y Ø8/10	1118	-112122	SLU 46	17927	55104	58834	2.5	49.27	1276	-112126	SLU 45	17432	57242	65483	2.5	44.86	Si
-22	5X/2Y Ø8/14.7	1118	-111921	SLU 46	17927	37388	58834	2.5	33.43	1276	-111925	SLU 45	17432	38839	65483	2.5	30.44	Si
7	5X/2Y Ø8/14.7	1118	-111720	SLU 46	17927	37388	58834	2.5	33.43	1276	-111724	SLU 45	17432	38839	65483	2.5	30.44	Si
36	5X/2Y Ø8/14.7	1118	-111519	SLU 46	17927	37388	58834	2.5	33.43	1276	-111524	SLU 45	17432	38839	65483	2.5	30.44	Si
66	5X/2Y Ø8/14.7	1118	-111319	SLU 46	17927	37388	58834	2.5	33.43	1276	-111323	SLU 45	17432	38839	65483	2.5	30.44	Si
95	5X/2Y Ø8/14.7	1118	-111118	SLU 46	17927	37388	58834	2.5	33.43	1276	-111122	SLU 45	17432	38839	65483	2.5	30.44	Si
125	5X/2Y Ø8/14.7	1118	-110917	SLU 46	17927	37388	58834	2.5	33.43	1276	-110921	SLU 45	17432	38839	65483	2.5	30.44	Si
154	5X/2Y Ø8/14.7	1118	-110716	SLU 46	17927	37388	58834	2.5	33.43	1276	-110721	SLU 45	17432	38839	65483	2.5	30.44	Si
184	5X/2Y Ø8/14.7	1118	-110516	SLU 46	17927	37388	58834	2.5	33.43	1276	-110520	SLU 45	17432	38839	65483	2.5	30.44	Si
213	5X/2Y Ø8/14.7	1118	-110313	SLU 46	17927	37388	58834	2.5	33.43	1276	-110317	SLU 45	17432	38839	65483	2.5	30.44	Si
242	5X/2Y Ø8/10	1118	-110114	SLU 46	17927	55098	58834	2.5	49.27	1276	-110118	SLU 45	17432	57236	65483	2.5	44.86	Si
272	5X/2Y Ø8/10	1118	-109913	SLU 46	17927	55098	58834	2.5	49.27	1276	-109918	SLU 45	17432	57236	65483	2.5	44.86	Si
301	5X/2Y Ø8/10	1118	-109713	SLU 46	17927	55098	58834	2.5	49.27	1276	-109717	SLU 45	17432	57236	65483	2.5	44.86	Si
331	5X/2Y Ø8/10	1118	-109512	SLU 46	17927	55098	58834	2.5	49.27	1276	-109516	SLU 45	17432	57236	65483	2.5	44.86	Si
360	5X/2Y Ø8/10	1118	-109315	SLU 46	17927	55098	58834	2.5	49.27	1276	-109319	SLU 45	17432	57236	65483	2.5	44.86	Si
380	5X/2Y Ø8/10	-759	-80076	SLU 45	17927	55098	57381	2.5	72.59	7259	-85136	SLU 49	17432	57236	64590	2.5	7.88	Si
409	5X/2Y Ø8/10	-759	-79878	SLU 45	17927	55098	57355	2.5	72.59	7259	-84938	SLU 49	17432	57236	64562	2.5	7.88	Si
438	5X/2Y Ø8/10	-759	-79680	SLU 45	17927	55098	57330	2.5	72.59	7259	-84740	SLU 49	17432	57236	64534	2.5	7.88	Si
467	5X/2Y Ø8/14.4	-759	-79482	SLU 45	17927	38145	57304	2.5	50.25	7259	-84543	SLU 49	17432	39625	64505	2.5	5.46	Si
496	5X/2Y Ø8/14.4	-759	-79285	SLU 45	17927	38145	57279	2.5	50.25	7259	-84345	SLU 49	17432	39625	64477	2.5	5.46	Si
525	5X/2Y Ø8/14.4	-759	-79087	SLU 45	17927	38145	57253	2.5	50.25	7259	-84147	SLU 49	17432	39625	64448	2.5	5.46	Si
554	5X/2Y Ø8/14.4	-759	-78889	SLU 45	17927	38145	57228	2.5	50.25	7259	-83949	SLU 49	17432	39625	64420	2.5	5.46	Si
583	5X/2Y Ø8/14.4	-759	-78691	SLU 45	17927	38145	57202	2.5	50.25	7259	-83751	SLU 49	17432	39625	64392	2.5	5.46	Si
612	5X/2Y Ø8/10	-759	-78493	SLU 45	17927	55098	57177	2.5	72.59	7259	-83553	SLU 49	17432	57236	64363	2.5	7.88	Si
641	5X/2Y Ø8/10	-759	-78295	SLU 45	17927	55098	57151	2.5	72.59	7259	-83355	SLU 49	17432	57236	64335	2.5	7.88	Si
670	5X/2Y Ø8/10	-759	-78100	SLU 45	17927	55098	57126	2.5	72.59	7259	-83161	SLU 49	17432	57236	64307	2.5	7.88	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	1589	-63219	SLV 13	16698	55104	55210	2.5	34.68	4305	-77789	SLV 11	17432	57242	63537	2.5	13.3	Si
-111	5X/2Y Ø8/10	1589	-63067	SLV 13	16679	55104	55190	2.5	34.68	4305	-77637	SLV 11	17432	57242	63515	2.5	13.3	Si
-81	5X/2Y Ø8/10	1589	-62913	SLV 13	16660	55104	55170	2.5	34.68	4305	-77483	SLV 11	17432	57242	63493	2.5	13.3	Si
-52	5X/2Y Ø8/10	1589	-62759	SLV 13	16641	55104	55150	2.5	34.68	4305	-77329	SLV 11	17432	57242	63471	2.5	13.3	Si
-22	5X/2Y Ø8/14.7	1589	-62604	SLV 13	16622	37388	55130	2.5	23.53	4305	-77174	SLV 11	17432	38839	63449	2.5	9.02	Si
7	5X/2Y Ø8/14.7	1589	-62450	SLV 13	16603	37388	55110	2.5	23.53	4305	-77020	SLV 11	17432	38839	63427	2.5	9.02	Si
36	5X/2Y Ø8/14.7	1589	-62295	SLV 13	16583	37388	55091	2.5	23.53	4305	-76865	SLV 11	17432	38839	63405	2.5	9.02	Si
66	5X/2Y Ø8/14.7	1589	-62141	SLV 13	16564	37388	55071	2.5	23.53	4305	-76711	SLV 11	17432	38839	63383	2.5	9.02	Si
95	5X/2Y Ø8/14.7	1589	-61987	SLV 13	16545	37388	55051	2.5	23.53	4305	-76556	SLV 11	17432	38839	63360	2.5	9.02	Si
125	5X/2Y Ø8/14.7	1589	-61832	SLV 13	16526	37388	55031	2.5	23.53	4305	-76402	SLV 11	17432	38839	63338	2.5	9.02	Si
154	5X/2Y Ø8/14.7	1589	-61678	SLV 13	16506	37388	55011	2.5	23.53	4305	-76248	SLV 11	17432	38839	63316	2.5	9.02	Si
184	5X/2Y Ø8/14.7	1589	-61523	SLV 13	16487	37388	54991	2.5	23.53	4305	-76093	SLV 11	17432	38839	63294	2.5	9.02	Si
213	5X/2Y Ø8/14.7	1589	-61367	SLV 13	16468	37388	54971	2.5	23.53	4305	-75937	SLV 11	17432	38839	63272	2.5	9.02	Si
242	5X/2Y Ø8/10	1589	-61215	SLV 13	16449	53996	55756	2.45	33.98	4305	-75784	SLV 11	17432	57236	63250	2.5	13.3	Si
272	5X/2Y Ø8/10	1589	-61060	SLV 13	16430	53996	55735	2.45	33.98	4305	-75630	SLV 11	17432	57236	63228	2.5	13.3	Si
301	5X/2Y Ø8/10	1589	-60906	SLV 13	16410	53996	55715	2.45	33.98	4305	-75476	SLV 11	17432	57236	63205	2.5	13.3	Si
331	5X/2Y Ø8/10	1589	-60751	SLV 13	16391	53996	55695	2.45	33.98	4305	-75321	SLV 11	17432	57236	63183	2.5	13.3	Si
360	5X/2Y Ø8/10	1589	-60599	SLV 13	16372	53996	55675	2.45	33.98	4305	-75169	SLV 11	17432	57236	63162	2.5	13.3	Si
380	5X/2Y Ø8/10	-3639	-58614	SLV 3	16125	53996	55416	2.45	14.84	7409	-57171	SLV 7	15226	57236	60582	2.5	7.73	Si
409	5X/2Y Ø8/10	-3639	-58462	SLV 3	16106	53996	55396	2.45	14.84	7409	-57019	SLV 7	15205	57236	60560	2.5	7.73	Si
438	5X/2Y Ø8/10	-3639	-58310	SLV 3	16087	53996	55376	2.45	14.84	7409	-56866	SLV 7	15184	57236	60538	2.5	7.73	Si
467	5X/2Y Ø8/14.4	-3639	-58158	SLV 3	16068	38145	54558	2.5	10.48	7409	-56714	SLV 7	15163	39625	60516	2.5	5.35	Si
496	5X/2Y Ø8/14.4	-3639	-58005	SLV 3	16049	38145	54538	2.5	10.48	7409	-56562	SLV 7	15142	39625	60494	2.5	5.35	Si
525	5X/2Y Ø8/14.4	-3639	-57853	SLV 3	16030	38145	54518	2.5	10.48	7409	-56410	SLV 7	15121	39625	60472	2.5	5.35	Si
554	5X/2Y Ø8/14.4	-3639	-57701	SLV 3	16011	38145	54499	2.5	10.48	7409	-56257	SLV 7	15100	39625	60451	2.5	5.35	Si
583	5X/2Y Ø8/14.4	-3639	-57549	SLV 3	15992	38145	54479	2.5	10.48	7409	-56105	SLV 7	15079	39625	60429	2.5	5.35	Si
612	5X/2Y Ø8/10	-3639	-57396	SLV 3	15973	53996	55257	2.45	14.84	7409	-55953	SLV 7	15058	57236	60407	2.5	7.73	Si
641	5X/2Y Ø8/10	-3639	-57244	SLV 3	15954	53996	55237	2.45	14.84	7409	-55801	SLV 7	15036	57236	60385	2.5	7.73	Si
670	5X/2Y Ø8/10	-3639	-57095	SLV 3	15936	53996	55217	2.45	14.84	7409	-55651	SLV 7	15016	57236	60364	2.5	7.73	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	702	-69672	SLD 13	17502	55104	56041	2.5	78.53	1947	-75352	SLD 11	17746	57242	63188	2.5	29.4	Si
-111	5X/2Y Ø8/10	702	-69520	SLD 13	17483	55104	56021	2.5	78.53	1947	-75200	SLD 11	17725	57242	63166	2.5	29.4	Si
-81	5X/2Y Ø8/10	702	-69365	SLD 13	17464	55104	56001	2.5	78.53	1947	-75046	SLD 11	17703	57242	63144	2.5	29.4	Si
-52	5X/2Y Ø8/10	702	-69211	SLD 13	17444	55104	55981	2.5	78.53	1947	-74892	SLD 11	17682	57242	63122	2.5	29.4	Si
-22	5X/2Y Ø8/14.7	702	-69057	SLD 13	17425	37388	55961	2.5	53.28	1947	-74737	SLD 11	17660	38839	63100	2.5	19.95	Si
7	5X/2Y Ø8/14.7	702	-68902	SLD 13	17406	37388	55941	2.5	53.28	1947	-74583	SLD 11	17639	38839	63077	2.5	19.95	Si
36	5X/2Y Ø8/14.7	702	-68748	SLD 13	17387	37388	55922	2.5	53.28	1947	-74428	SLD 11	17618	38839	63055	2.5	19.95	Si
66	5X/2Y Ø8/14.7	702	-68593	SLD 13	17367	37388	55902	2.5	53.28	1947	-74274	SLD 11	17596	38839	63033	2.5	19.95	Si
95	5X/2Y Ø8/14.7	702	-68439	SLD 13	17348	37388	55882	2.5	53.28	1947	-74120	SLD 11	17575	38839	63011	2.5	19.95	Si
125	5X/2Y Ø8/14.7	702	-68285	SLD 13	17329	37388	55862	2.5	53.28	1947	-73965	SLD 11	17553	38839	62989	2.5	19.95	Si
154	5X/2Y Ø8/14.7	702	-68130	SLD 13	17310	37388	55842	2.5	53.28	1947	-73811	SLD 11	17532	38839	62967	2.5	19.95	Si
184	5X/2Y Ø8/14.7	702	-67976	SLD 13	17291	37388	55822	2.5	53.28	1947	-73656	SLD 11	17511	38839	62945	2.5	19.95	Si
213	5X/2Y Ø8/14.7	702	-67820	SLD 13	17271	37388	55802	2.5	53.28	1947	-73500	SLD 11	17489	38839	62922	2.5	19.95	Si
242	5X/2Y Ø8/10	702	-67667	SLD 13	17252	55098	55782	2.5	78.52	1947	-73347	SLD 11	17468	57236	62900	2.5	29.4	Si
272	5X/2Y Ø8/10	702	-67513	SLD 13	17233	55098	55762	2.5	78.52	1947	-73193	SLD 11	17447	57236	62878	2.5	29.4	Si
301	5X/2Y Ø8/10	702	-67358	SLD 13	17214	55098	55743	2.5	78.52	1947	-73039	SLD 11	17425	57236	62856	2.5	29.4	Si
331	5X/2Y Ø8/10	702	-67204	SLD 13	17194	55098	55723	2.5	78.52	1947	-72884	SLD 11	17404	57236	62834	2.5	29.4	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
360	5X/2Y Ø8/10	702	-67052	SLD 13	17175	55098	55703	2.5	78.52	1947	-72732	SLD 11	17383	57236	62812	2.5	29.4	Si
380	5X/2Y Ø8/10	-1600	-54206	SLD 3	15576	55098	54049	2.5	33.78	5567	-53642	SLD 7	14737	57236	60076	2.5	10.28	Si
409	5X/2Y Ø8/10	-1600	-54054	SLD 3	15557	55098	54029	2.5	33.77	5567	-53490	SLD 7	14716	57236	60054	2.5	10.28	Si
438	5X/2Y Ø8/10	-1600	-53901	SLD 3	15538	55098	54009	2.5	33.76	5567	-53338	SLD 7	14695	57236	60032	2.5	10.28	Si
467	5X/2Y Ø8/14.4	-1600	-53749	SLD 3	15519	38145	53990	2.5	23.84	5567	-53185	SLD 7	14674	39625	60010	2.5	7.12	Si
496	5X/2Y Ø8/14.4	-1600	-53597	SLD 3	15500	38145	53970	2.5	23.84	5567	-53033	SLD 7	14653	39625	59988	2.5	7.12	Si
525	5X/2Y Ø8/14.4	-1600	-53445	SLD 3	15481	38145	53951	2.5	23.84	5567	-52881	SLD 7	14632	39625	59967	2.5	7.12	Si
554	5X/2Y Ø8/14.4	-1600	-53292	SLD 3	15462	38145	53931	2.5	23.84	5567	-52729	SLD 7	14611	39625	59945	2.5	7.12	Si
583	5X/2Y Ø8/14.4	-1600	-53140	SLD 3	15443	38145	53911	2.5	23.84	5567	-52576	SLD 7	14590	39625	59923	2.5	7.12	Si
612	5X/2Y Ø8/10	-1600	-52988	SLD 3	15425	55098	53892	2.5	33.68	5567	-52424	SLD 7	14569	57236	59901	2.5	10.28	Si
641	5X/2Y Ø8/10	-1600	-52836	SLD 3	15406	55098	53872	2.5	33.67	5567	-52272	SLD 7	14547	57236	59879	2.5	10.28	Si
670	5X/2Y Ø8/10	-1600	-52686	SLD 3	15387	55098	53853	2.5	33.66	5567	-52122	SLD 7	14527	57236	59858	2.5	10.28	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	-211539	-178166	-80315	SLE RA 7	-53.8	-212212	-177761	-80318	SLE RA 6	-716.9	Si
-111	-186426	-156498	-80164	SLE RA 7	-51.2	-187056	-156134	-80166	SLE RA 6	-688.6	Si
-81	-160878	-134454	-80009	SLE RA 7	-48.6	-161464	-134133	-80012	SLE RA 6	-659.8	Si
-52	-135330	-112411	-79855	SLE RA 7	-45.9	-135872	-112132	-79857	SLE RA 6	-631	Si
-22	-110281	-90131	-79703	SLE RA 6	-43.2	-110281	-90131	-79703	SLE RA 6	-602.2	Si
7	-84689	-68130	-79549	SLE RA 6	-40.6	-84689	-68130	-79549	SLE RA 6	-573.4	Si
36	-59097	-46129	-79394	SLE RA 6	-37.9	-39522	-24443	-84484	SLE RA 11	-550.6	Si
66	-18598	-9434	-84329	SLE RA 11	-35.6	-18598	-9434	-84329	SLE RA 11	-529.1	Si
95	15710	15776	-84275	SLE RA 12	-36	15710	15776	-84275	SLE RA 12	-532.3	Si
125	29051	19996	-84121	SLE RA 12	-36.7	29051	19996	-84121	SLE RA 12	-540.4	Si
154	44408	35609	-83863	SLE RA 13	-38.4	44408	35609	-83863	SLE RA 13	-557.4	Si
184	65288	50659	-83709	SLE RA 13	-40.2	65288	50659	-83709	SLE RA 13	-577	Si
213	86370	65856	-83553	SLE RA 13	-42.1	86370	65856	-83553	SLE RA 13	-596.8	Si
242	120150	108024	-78311	SLE RA 7	-44.4	107047	80761	-83400	SLE RA 13	-616.2	Si
272	145698	130068	-78156	SLE RA 7	-46.9	145698	130068	-78156	SLE RA 7	-638.4	Si
301	171246	152111	-78002	SLE RA 7	-49.5	171246	152111	-78002	SLE RA 7	-665.4	Si
331	196794	174155	-77847	SLE RA 7	-52	196794	174155	-77847	SLE RA 7	-692.3	Si
360	221908	195823	-77696	SLE RA 7	-54.5	221908	195823	-77696	SLE RA 7	-718.8	Si
380	-337407	34830	-60646	SLE RA 11	-39.1	-337407	34830	-60646	SLE RA 11	-544.5	Si
409	-241083	-5113	-60204	SLE RA 12	-33.2	-241083	-5113	-60204	SLE RA 12	-477	Si
438	-92452	-15743	-60052	SLE RA 12	-28.8	-92452	-15743	-60052	SLE RA 12	-418.5	Si
467	56178	-26372	-59899	SLE RA 12	-28.3	94781	-7274	-60184	SLE RA 13	-414	Si
496	238776	-21233	-60037	SLE RA 11	-34.3	238776	-21233	-60037	SLE RA 11	-487.1	Si
525	382822	-35249	-59884	SLE RA 11	-40.3	382822	-35249	-59884	SLE RA 11	-560.2	Si
554	526868	-49265	-59732	SLE RA 11	-46.4	526868	-49265	-59732	SLE RA 11	-633.4	Si
583	670913	-63280	-59580	SLE RA 11	-52.4	670913	-63280	-59580	SLE RA 11	-706.5	Si
612	814959	-77296	-59428	SLE RA 11	-58.4	814959	-77296	-59428	SLE RA 11	-779.7	Si
641	959005	-91312	-59275	SLE RA 11	-67.6	959005	-91312	-59275	SLE RA 11	-885.7	Si
670	1100567	-105086	-59126	SLE RA 11	-72.2	1100567	-105086	-59126	SLE RA 11	-935.2	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	-88385	-15277	-73795	SLE QP 2	-34.2	Si
-111	-76047	-11691	-73644	SLE QP 2	-33.5	Si
-81	-63496	-8043	-73489	SLE QP 2	-32.7	Si
-52	-50945	-4394	-73335	SLE QP 2	-31.9	Si
-22	-38394	-746	-73180	SLE QP 2	-31.1	Si
7	-25842	2902	-73026	SLE QP 2	-30.8	Si
36	-13291	6551	-72872	SLE QP 2	-30.6	Si
66	-740	10199	-72717	SLE QP 2	-30.4	Si
95	11811	13847	-72563	SLE QP 2	-31	Si
125	24363	17496	-72408	SLE QP 2	-31.6	Si
154	36914	21144	-72254	SLE QP 2	-32.3	Si
184	49465	24793	-72099	SLE QP 2	-32.9	Si
213	62138	28476	-71944	SLE QP 2	-33.6	Si
242	74568	32089	-71791	SLE QP 2	-34.2	Si
272	87119	35738	-71636	SLE QP 2	-34.9	Si
301	99670	39386	-71482	SLE QP 2	-35.6	Si
331	112221	43034	-71327	SLE QP 2	-36.2	Si
360	124559	46621	-71176	SLE QP 2	-36.9	Si
380	-335755	3314	-51381	SLE QP 2	-32.8	Si
409	-208677	-5260	-51229	SLE QP 2	-28.5	Si
438	-81598	-13834	-51077	SLE QP 2	-24.7	Si
467	45480	-22408	-50925	SLE QP 2	-24	Si
496	172559	-30982	-50772	SLE QP 2	-29	Si
525	299637	-39556	-50620	SLE QP 2	-34	Si
554	426716	-48130	-50468	SLE QP 2	-39.1	Si
583	553794	-56703	-50316	SLE QP 2	-44.1	Si
612	680873	-65277	-50163	SLE QP 2	-49.1	Si
641	807951	-73851	-50011	SLE QP 2	-54.1	Si
670	932839	-82277	-49862	SLE QP 2	-60.5	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

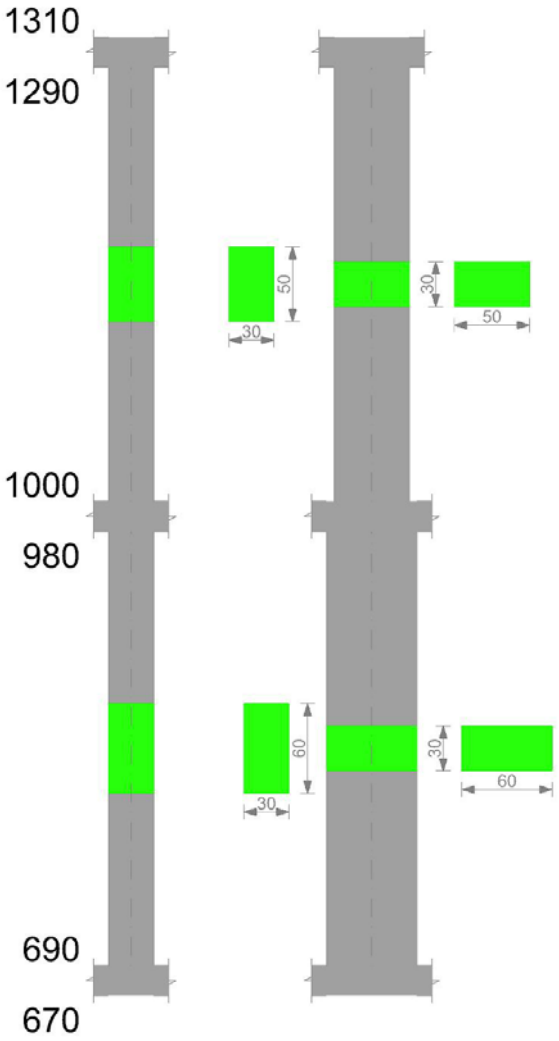
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.

Pilastro 61 SOPRA

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
690	980	R 30x60 1	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.59	-24.59	1.8	2.545	680	690	R 30x60 1	B450C
p.1	9.59	-24.59	1.8	2.545	680	690	R 30x60 1	B450C
p.1	9.59	24.59	1.8	2.545	680	690	R 30x60 1	B450C
p.1	-9.59	24.59	1.8	2.545	680	690	R 30x60 1	B450C
p.1	-9.8	0	1.8	2.545	680	690	R 30x60 1	B450C
p.1	9.8	0	1.8	2.545	680	690	R 30x60 1	B450C
p.2	-9.67	-24.67	1.6	2.011	690	1000	R 30x60 1	B450C
p.2	9.67	-24.67	1.6	2.011	690	1000	R 30x60 1	B450C
p.2	9.67	24.67	1.6	2.011	690	1000	R 30x60 1	B450C
p.2	-9.67	24.67	1.6	2.011	690	1000	R 30x60 1	B450C
p.4	-9.9	-12.85	1.6	2.011	690	1000	R 30x60 1	B450C
p.4	-9.9	12.85	1.6	2.011	690	1000	R 30x60 1	B450C
p.4	9.9	-12.85	1.6	2.011	690	1000	R 30x60 1	B450C
p.4	9.9	12.85	1.6	2.011	690	1000	R 30x60 1	B450C
p.5	-9.9	0	1.6	2.011	690	1000	R 30x60 1	B450C
p.5	9.9	0	1.6	2.011	690	1000	R 30x60 1	B450C
p.6	-9.67	-19.67	1.6	2.011	1000	1290	R 30x50	B450C
p.6	9.67	-19.67	1.6	2.011	1000	1290	R 30x50	B450C
p.6	9.67	19.67	1.6	2.011	1000	1290	R 30x50	B450C
p.6	-9.67	19.67	1.6	2.011	1000	1290	R 30x50	B450C
p.7	-9.9	-10.35	1.6	2.011	1000	1290	R 30x50	B450C
p.7	-9.9	0	1.6	2.011	1000	1290	R 30x50	B450C
p.7	-9.9	10.35	1.6	2.011	1000	1290	R 30x50	B450C
p.7	9.9	-10.35	1.6	2.011	1000	1290	R 30x50	B450C
p.7	9.9	0	1.6	2.011	1000	1290	R 30x50	B450C
p.7	9.9	10.35	1.6	2.011	1000	1290	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
690	15.27	2	0	1,2,4,5	1037069	-458099	-56606	2063675	-911577	SLU 51	1.99	Si
719	19.01	2	0	1,2,4,5	901704	-380625	-56437	2255359	-952027	SLU 51	2.501	Si
748	20.11	1.1	0	2,4,5	766339	-303151	-56267	2286159	-904366	SLU 51	2.983	Si
777	20.11	1.1	0	2,4,5	630974	-225677	-56097	2261014	-808684	SLU 51	3.583	Si
806	20.11	1.1	0	2,4,5	497064	-146178	-56179	2152903	-633133	SLU 52	4.331	Si
835	20.11	1.1	0	2,4,5	360296	-112042	-56021	1795698	-558412	SLU 50	4.984	Si
864	20.11	1.1	0	2,4,5	223741	111703	-55851	1225571	611867	SLU 50	5.478	Si
893	20.11	1.1	0	2,4,5	111363	111363	-55682	647491	647491	SLU 50	5.814	Si
922	20.11	1.1	0	2,4,5	-110498	161694	-55249	-601230	879793	SLU 51	5.441	Si
951	20.37	1.6	0	2,3,4,5	-181217	239169	-55079	-862035	1137707	SLU 51	4.757	Si
980	27.42	2	0	2,3,4,5	-316582	316643	-54910	-1357366	1357627	SLU 51	4.288	Si
1000	20.11	2.7	0	3,4,5,6,7	60387	-213397	-30194	371937	-1314354	SLU 49	6.159	Si
1029	20.11	2.7	0	3,4,5,6,7	60110	-161708	-30055	425127	-1143687	SLU 49	7.073	Si
1058	20.11	1.3	0	6,7	-59827	-109112	-29913	-488999	-891835	SLU 49	8.174	Si
1087	20.11	1.3	0	6,7	-59745	-59745	-29872	-556148	-556148	SLU 50	9.309	Si
1116	20.11	1.3	0	6,7	-59462	-59462	-29731	-556148	-556148	SLU 50	9.353	Si
1145	20.11	1.3	0	6,7	-60314	59179	-29590	-566203	555548	SLU 50	9.388	Si
1174	20.11	1.3	0	6,7	-73249	101273	-29348	-611580	845558	SLU 49	8.349	Si
1203	20.11	1.3	0	6,7	-88088	153869	-29207	-629437	1099481	SLU 49	7.146	Si
1232	20.11	1.3	0	6,7	-102926	206465	-29065	-629065	1261875	SLU 49	6.112	Si
1261	20.11	1.3	0	6,7	-118274	258967	-28903	-622647	1363314	SLU 51	5.264	Si
1290	20.11	1.3	0	6,7	-133236	311563	-28762	-610471	1427545	SLU 51	4.582	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
690	15.27	2	0	1,2,4,5	923258	-578440	-30443	-2.02	1.92	1101765	-690277	SLV 9	1.193				Si
719	19.01	2	0	1,2,4,5	783963	-473546	-30313	-2.02	1.92	1379037	-832996	SLV 9	1.759				Si
748	20.11	1.1	0	2,4,5	644726	-368698	-30182	-2.02	1.92	1460685	-835318	SLV 9	2.266				Si
777	20.11	1.1	0	2,4,5	505633	-263957	-30052	-2.02	1.92	1575323	-822371	SLV 9	3.116				Si
806	20.11	1.1	0	2,4,5	367095	-159608	-29921	-2.02	1.92	1729382	-751912	SLV 9	4.711				Si
835	20.11	1.1	0	2,4,5	254215	-34452	-35191	-2.02	1.92	1770130	-239893	SLV 1	6.963				Si
864	20.11	1.1	0	2,4,5	188671	-42643	-35243	-2.02	1.92	1404053	-317344	SLV 7	7.442				Si
893	20.11	1.1	0	2,4,5	96532	200563	-28607	-2.02	1.92	586563	1218688	SLV 13	6.076				Si
922	20.11	1.1	0	2,4,5	41864	327770	-28477	-2.02	1.92	183246	1434715	SLV 13	4.377				Si
951	20.37	1.6	0	2,3,4,5	-332049	366974	-29269	-2.02	1.92	-995585	1100300	SLV 9	2.998				Si
980	27.42	2	0	2,3,4,5	-471339	471852	-29138	-2.02	1.92	-1193047	1194345	SLV 9	2.531				Si
1000	20.11	2.7	0	3,4,5,6,7	-49390	-439675	-15097	-2.02	1.92	-132498	-1179521	SLV 13	2.683				Si
1029	20.11	2.7	0	3,4,5,6,7	-41960	-341613	-14990	-2.02	1.92	-157656	-1283538	SLV 13	3.757				Si
1058	20.11	1.3	0	6,7	-35812	-241866	-14882	-2.02	1.92	-187121	-1263779	SLV 13	5.225				Si
1087	20.11	1.3	0	6,7	22827	-142226	-14773	-2.02	1.92	194738	-1213350	SLV 13	8.531				Si
1116	20.11	1.3	0	6,7	-70041	21344	-16827	-2.02	1.92	-949731	289415	SLV 1	13.56				Si
1145	20.11	1.3	0	6,7	-135222	31170	-15571	-2.02	1.92	-1467202	338202	SLV 5	10.85				Si
1174	20.11	1.3	0	6,7	-151226	127534	-14814	-2.02	1.92	-980446	826847	SLV 9	6.483				Si
1203	20.11	1.3	0	6,7	-203576	206841	-14705	-2.02	1.92	-858153	871914	SLV 9	4.215				Si
1232	20.11	1.3	0	6,7	-256018	286270	-14596	-2.02	1.92	-794444	888317	SLV 9	3.103				Si
1261	20.11	1.3	0	6,7	-308497	365737	-14487	-2.02	1.92	-721379	855225	SLV 9	2.338				Si
1290	20.11	1.3	0	6,7	-360996	445221	-14379	-2.02	1.92	-659031	812792	SLV 9	1.826				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
690	15.27	2	0	1,2,4,5	741196	-395718	-32134	1415313	-755624	SLD 9	1.91	Si
719	19.01	2	0	1,2,4,5	636985	-325899	-32003	1562123	-799224	SLD 9	2.452	Si
748	20.11	1.1	0	2,4,5	532810	-256100	-31873	1644364	-790377	SLD 9	3.086	Si
777	20.11	1.1	0	2,4,5	428722	-186349	-31742	1737520	-755232	SLD 9	4.053	Si
806	20.11	1.1	0	2,4,5	324958	-116772	-31612	1795551	-645224	SLD 9	5.525	Si
835	20.11	1.1	0	2,4,5	232345	-38802	-33610	1697539	-283495	SLD 1	7.306	Si
864	20.11	1.1	0	2,4,5	155698	-13324	-33553	1335843	-114315	SLD 7	8.58	Si
893	20.11	1.1	0	2,4,5	100178	95079	-31293	795725	755228	SLD 15	7.943	Si
922	20.11	1.1	0	2,4,5	-93539	163487	-31090	-622175	1087429	SLD 9	6.651	Si
951	20.37	1.6	0	2,3,4,5	-197704	233271	-30959	-952170	1123464	SLD 9	4.816	Si
980	27.42	2	0	2,3,4,5	-301910	303083	-30829	-1194542	1199186	SLD 9	3.957	Si
1000	20.11	2.7	0	3,4,5,6,7	-17587	-249272	-15844	-92488	-1310887	SLD 13	5.259	Si
1029	20.11	2.7	0	3,4,5,6,7	-19273	-192800	-15737	-127254	-1272970	SLD 13	6.603	Si
1058	20.11	1.3	0	6,7	-21570	-135356	-15628	-190224	-1193676	SLD 13	8.819	Si
1087	20.11	1.3	0	6,7	858	-77969	-15519	11161	-1014577	SLD 13	13.012	Si
1116	20.11	1.3	0	6,7	-43667	5307	-16278	-721519	87695	SLD 1	16.523	Si
1145	20.11	1.3	0	6,7	-73109	27057	-15708	-999989	370090	SLD 5	13.678	Si
1174	20.11	1.3	0	6,7	-84201	83031	-15339	-840298	828628	SLD 9	9.98	Si
1203	20.11	1.3	0	6,7	-109571	132459	-15230	-778538	941166	SLD 9	7.105	Si
1232	20.11	1.3	0	6,7	-134997	181949	-15121	-719882	970254	SLD 9	5.333	Si
1261	20.11	1.3	0	6,7	-160447	231458	-15012	-679791	980654	SLD 9	4.237	Si
1290	20.11	1.3	0	6,7	-185909	280976	-14904	-652892	986755	SLD 9	3.512	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
690	5X/2Y Ø8/18.1	2672	-56606	SLU 51	14614	30400	47634	2.5	11.38	-4711	-56858	SLU 52	14237	26696	52324	2.5	5.67	Si
719	5X/2Y Ø8/18.1	2672	-56437	SLU 51	14593	30400	47612	2.5	11.38	-4711	-56688	SLU 52	14214	26696	52300	2.5	5.67	Si
748	5X/2Y Ø8/18.1	2672	-56267	SLU 51	14572	30400	47590	2.5	11.38	-4711	-56519	SLU 52	14191	26696	52276	2.5	5.67	Si
777	5X/2Y Ø8/18.1	2672	-56097	SLU 51	14551	30400	47568	2.5	11.38	-4711	-56349	SLU 52	14168	26696	52252	2.5	5.67	Si
806	5X/2Y Ø8/18.1	2672	-55928	SLU 51	14529	30400	47547	2.5	11.38	-4711	-56179	SLU 52	14145	26696	52228	2.5	5.67	Si
835	5X/2Y Ø8/18.1	2672	-55758	SLU 51	14508	30400	47525	2.5	11.38	-4711	-56010	SLU 52	14122	26696	52204	2.5	5.67	Si
864	5X/2Y Ø8/18.1	2672	-55588	SLU 51	14487	30400	47503	2.5	11.38	-4711	-55840	SLU 52	14098	26696	52180	2.5	5.67	Si
893	5X/2Y Ø8/18.1	2672	-55419	SLU 51	14466	30400	47481	2.5	11.38	-4711	-55670	SLU 52	14075	26696	52156	2.5	5.67	Si
922	5X/2Y Ø8/18.1	2672	-55249	SLU 51	14445	30400	47459	2.5	11.38	-4711	-55501	SLU 52	14052	26696	52132	2.5	5.67	Si
951	5X/2Y Ø8/18.1	2672	-55079	SLU 51	14424	30400	47437	2.5	11.38	-4711	-55331	SLU 52	14029	26696	52108	2.5	5.67	Si

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
980	5X/2Y Ø8/18.1	2672	-54910	SLU 51	14403	30400	47415	2.5	11.38	-4711	-55162	SLU 52	14006	26696	52084	2.5	5.67	Si
1000	5X/2Y Ø8/18.1	1814	-30173	SLU 51	10062	30400	37506	2.5	16.76	-516	-30173	SLU 51	9648	21813	40367	2.5	42.28	Si
1029	5X/2Y Ø8/18.1	1814	-30034	SLU 51	10045	30400	37488	2.5	16.76	-516	-30034	SLU 51	9629	21813	40347	2.5	42.28	Si
1058	5X/2Y Ø8/18.1	1814	-29893	SLU 51	10027	30400	37470	2.5	16.76	-516	-29893	SLU 51	9610	21813	40328	2.5	42.28	Si
1087	5X/2Y Ø8/18.1	1814	-29752	SLU 51	10009	30400	37451	2.5	16.76	-516	-29752	SLU 51	9591	21813	40308	2.5	42.28	Si
1116	5X/2Y Ø8/18.1	1814	-29610	SLU 51	9992	30400	37433	2.5	16.76	-516	-29610	SLU 51	9572	21813	40289	2.5	42.28	Si
1145	5X/2Y Ø8/18.1	1814	-29469	SLU 51	9974	30400	37415	2.5	16.76	-516	-29469	SLU 51	9553	21813	40269	2.5	42.28	Si
1174	5X/2Y Ø8/18.1	1814	-29327	SLU 51	9957	30400	37397	2.5	16.76	-516	-29327	SLU 51	9534	21813	40249	2.5	42.28	Si
1203	5X/2Y Ø8/18.1	1814	-29186	SLU 51	9939	30400	37378	2.5	16.76	-516	-29186	SLU 51	9515	21813	40230	2.5	42.28	Si
1232	5X/2Y Ø8/18.1	1814	-29045	SLU 51	9921	30400	37360	2.5	16.76	-516	-29045	SLU 51	9497	21813	40210	2.5	42.28	Si
1261	5X/2Y Ø8/18.1	1814	-28903	SLU 51	9904	30400	37342	2.5	16.76	-516	-28903	SLU 51	9478	21813	40191	2.5	42.28	Si
1290	5X/2Y Ø8/18.1	1814	-28762	SLU 51	9886	30400	37324	2.5	16.76	-516	-28762	SLU 51	9459	21813	40171	2.5	42.28	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
690	5X/2Y Ø8/18.1	4394	-29521	SLV 13	11242	30400	44145	2.5	6.92	-5843	-32340	SLV 5	10887	26696	48857	2.5	4.57	Si
719	5X/2Y Ø8/18.1	4394	-29390	SLV 13	11226	30400	44129	2.5	6.92	-5843	-32210	SLV 5	10869	26696	48839	2.5	4.57	Si
748	5X/2Y Ø8/18.1	4394	-29260	SLV 13	11209	30400	44112	2.5	6.92	-5843	-32079	SLV 5	10851	26696	48820	2.5	4.57	Si
777	5X/2Y Ø8/18.1	4394	-29129	SLV 13	11193	30400	44095	2.5	6.92	-5843	-31949	SLV 5	10833	26696	48802	2.5	4.57	Si
806	5X/2Y Ø8/18.1	4394	-28999	SLV 13	11177	30400	44078	2.5	6.92	-5843	-31818	SLV 5	10815	26696	48784	2.5	4.57	Si
835	5X/2Y Ø8/18.1	4394	-28868	SLV 13	11161	30400	44061	2.5	6.92	-5843	-31688	SLV 5	10798	26696	48765	2.5	4.57	Si
864	5X/2Y Ø8/18.1	4394	-28738	SLV 13	11144	30400	44045	2.5	6.92	-5843	-31557	SLV 5	10780	26696	48747	2.5	4.57	Si
893	5X/2Y Ø8/18.1	4394	-28607	SLV 13	11128	30400	44028	2.5	6.92	-5843	-31427	SLV 5	10762	26696	48728	2.5	4.57	Si
922	5X/2Y Ø8/18.1	4394	-28477	SLV 13	11112	30400	44011	2.5	6.92	-5843	-31296	SLV 5	10744	26696	48710	2.5	4.57	Si
951	5X/2Y Ø8/18.1	4394	-28346	SLV 13	11096	30400	43994	2.5	6.92	-5843	-31166	SLV 5	10726	26696	48691	2.5	4.57	Si
980	5X/2Y Ø8/18.1	4394	-28216	SLV 13	11079	30400	43977	2.5	6.92	-5843	-31035	SLV 5	10708	26696	48673	2.5	4.57	Si
1000	5X/2Y Ø8/18.1	3442	-15097	SLV 13	8185	30400	35564	2.5	8.83	-2494	-16113	SLV 5	7764	21813	38418	2.5	8.75	Si
1029	5X/2Y Ø8/18.1	3442	-14990	SLV 13	8172	30400	35550	2.5	8.83	-2494	-16006	SLV 5	7749	21813	38403	2.5	8.75	Si
1058	5X/2Y Ø8/18.1	3442	-14882	SLV 13	8158	30400	35536	2.5	8.83	-2494	-15897	SLV 5	7735	21813	38388	2.5	8.75	Si
1087	5X/2Y Ø8/18.1	3442	-14773	SLV 13	8145	30400	35522	2.5	8.83	-2494	-15789	SLV 5	7720	21813	38373	2.5	8.75	Si
1116	5X/2Y Ø8/18.1	3442	-14664	SLV 13	8131	30400	35508	2.5	8.83	-2494	-15680	SLV 5	7706	21813	38358	2.5	8.75	Si
1145	5X/2Y Ø8/18.1	3442	-14555	SLV 13	8118	30400	35494	2.5	8.83	-2494	-15571	SLV 5	7691	21813	38342	2.5	8.75	Si
1174	5X/2Y Ø8/18.1	3442	-14447	SLV 13	8104	30400	35480	2.5	8.83	-2494	-15462	SLV 5	7677	21813	38327	2.5	8.75	Si
1203	5X/2Y Ø8/18.1	3442	-14338	SLV 13	8090	30400	35466	2.5	8.83	-2494	-15354	SLV 5	7662	21813	38312	2.5	8.75	Si
1232	5X/2Y Ø8/18.1	3442	-14229	SLV 13	8077	30400	35452	2.5	8.83	-2494	-15245	SLV 5	7647	21813	38297	2.5	8.75	Si
1261	5X/2Y Ø8/18.1	3442	-14120	SLV 13	8063	30400	35438	2.5	8.83	-2494	-15136	SLV 5	7633	21813	38282	2.5	8.75	Si
1290	5X/2Y Ø8/18.1	3442	-14012	SLV 13	8050	30400	35424	2.5	8.83	-2494	-15027	SLV 5	7618	21813	38267	2.5	8.75	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
690	5X/2Y Ø8/18.1	2711	-31771	SLD 13	11522	30400	44435	2.5	11.21	-4000	-32881	SLD 5	10961	26696	48934	2.5	6.67	Si
719	5X/2Y Ø8/18.1	2711	-31640	SLD 13	11506	30400	44418	2.5	11.21	-4000	-32751	SLD 5	10943	26696	48915	2.5	6.67	Si
748	5X/2Y Ø8/18.1	2711	-31510	SLD 13	11489	30400	44402	2.5	11.21	-4000	-32620	SLD 5	10925	26696	48897	2.5	6.67	Si
777	5X/2Y Ø8/18.1	2711	-31379	SLD 13	11473	30400	44385	2.5	11.21	-4000	-32490	SLD 5	10907	26696	48878	2.5	6.67	Si
806	5X/2Y Ø8/18.1	2711	-31249	SLD 13	11457	30400	44368	2.5	11.21	-4000	-32359	SLD 5	10889	26696	48860	2.5	6.67	Si
835	5X/2Y Ø8/18.1	2711	-31118	SLD 13	11441	30400	44351	2.5	11.21	-4000	-32229	SLD 5	10871	26696	48842	2.5	6.67	Si
864	5X/2Y Ø8/18.1	2711	-30988	SLD 13	11424	30400	44334	2.5	11.21	-4000	-32098	SLD 5	10854	26696	48823	2.5	6.67	Si
893	5X/2Y Ø8/18.1	2711	-30857	SLD 13	11408	30400	44318	2.5	11.21	-4000	-31968	SLD 5	10836	26696	48805	2.5	6.67	Si
922	5X/2Y Ø8/18.1	2711	-30727	SLD 13	11392	30400	44301	2.5	11.21	-4000	-31837	SLD 5	10818	26696	48786	2.5	6.67	Si
951	5X/2Y Ø8/18.1	2711	-30596	SLD 13	11376	30400	44284	2.5	11.21	-4000	-31707	SLD 5	10800	26696	48768	2.5	6.67	Si
980	5X/2Y Ø8/18.1	2711	-30466	SLD 13	11359	30400	44267	2.5	11.21	-4000	-31576	SLD 5	10782	26696	48749	2.5	6.67	Si
1000	5X/2Y Ø8/18.1	1982	-15844	SLD 13	8278	30400	35660	2.5	15.34	-1152	-16250	SLD 5	7782	21813	38437	2.5	18.93	Si
1029	5X/2Y Ø8/18.1	1982	-15737	SLD 13	8265	30400	35646	2.5	15.34	-1152	-16143	SLD 5	7768	21813	38422	2.5	18.93	Si
1058	5X/2Y Ø8/18.1	1982	-15628	SLD 13	8251	30400	35632	2.5	15.34	-1152	-16034	SLD 5	7753	21813	38407	2.5	18.93	Si
1087	5X/2Y Ø8/18.1	1982	-15519	SLD 13	8238	30400	35618	2.5	15.34	-1152	-15925	SLD 5	7739	21813	38392	2.5	18.93	Si
1116	5X/2Y Ø8/18.1	1982	-15411	SLD 13	8224	30400	35604	2.5	15.34	-1152	-15816	SLD 5	7724	21813	38376	2.5	18.93	Si
1145	5X/2Y Ø8/18.1	1982	-15302	SLD 13	8210	30400	35590	2.5	15.34	-1152	-15708	SLD 5	7709	21813	38361	2.5	18.93	Si
1174	5X/2Y Ø8/18.1	1982	-15193	SLD 13	8197	30400	35576	2.5	15.34	-1152	-15599	SLD 5	7695	21813	38346	2.5	18.93	Si
1203	5X/2Y Ø8/18.1	1982	-15084	SLD 13	8183	30400	35562	2.5	15.34	-1152	-15490	SLD 5	7680	21813	38331	2.5	18.93	Si
1232	5X/2Y Ø8/18.1	1982	-14976	SLD 13	8170	30400	35548	2.5	15.34	-1152	-15381	SLD 5	7666	21813	38316	2.5	18.93	Si
1261	5X/2Y Ø8/18.1	1982	-14867	SLD 13	8156	30400	35534	2.5	15.34	-1152	-15273	SLD 5	7651	21813	38301	2.5	18.93	Si
1290	5X/2Y Ø8/18.1	1982	-14758	SLD 13	8143	30400	35520	2.5	15.34	-1152	-15164	SLD 5	7637	21813	38286	2.5	18.93	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
690	733784	-324075	-40122	SLE RA 12	-111.8	733784	-324075	-40122	SLE RA 12	-1260.8	Si
719	637968	-269256	-39992	SLE RA 12	-89.4	637968	-269256	-39992	SLE RA 12	-1043.3	Si
748	542152	-214438	-39861	SLE RA 12	-72.6	542152	-214438	-39861	SLE RA 12	-872	Si
777	446335	-159619	-39731	SLE RA 12	-57.8	446335	-159619	-39731	SLE RA 12	-716.5	Si
806	351490	-103451	-39768	SLE RA 13	-45	351490	-103451	-39768	SLE RA 13	-580.6	Si
835	254846	-49905	-39638	SLE RA 13	-35.5	254738	-49920	-39645	SLE RA 11	-475.9	Si
864	158886	4837	-39339	SLE RA 12	-26.7	158886	4837	-39339	SLE RA 12	-377.9	Si
893	63070	59655	-39209	SLE RA 12	-27.1	63070	59655	-39209	SLE RA 12	-369.4	Si
922	-32746	114474	-39078	SLE RA 12	-30.6	-32746	114474	-39078	SLE RA 12	-399.2	Si
951	-128563	169292	-38948	SLE RA 12	-40	-128563	169292	-38948	SLE RA 12	-501.7	Si
980	-224379	224111	-38817	SLE RA 12	-46.7	-224379	224111	-38817	SLE RA 12	-575.5	Si
1000	11406	-150427	-21383	SLE RA 12	-28.6	11406	-150427	-21383	SLE RA 12	-341.2	Si
1029	1022	-114070	-21277	SLE RA 12	-24	1022	-114070	-21277	SLE RA 12	-297.3	Si
1058	-9778	-77010	-21181	SLE RA 10	-20.6	-11894	-75245	-21248	SLE RA 11	-263.4	Si
1087	-22096	-39036	-21140	SLE RA 11	-17.4	-22096	-39036	-21140	SLE RA 11	-233.5	Si
1116	-32297	-2826	-21031	SLE RA 11	-14.1	-32297	-2826	-21031	SLE RA 11	-203.6	Si
1145	-42499	33384	-20922	SLE RA 11	-18	-42499	33384	-20922	SLE RA 11	-242.1	Si
1174	-51713	70967	-20746	SLE RA 10	-22.5	-51713	70967	-20746	SLE RA 10	-286.4	Si
1203	-62197	107961	-20638	SLE RA 10	-27.1	-62197	107961	-20638	SLE RA 10	-331.8	Si
1232	-72938	144892	-20515	SLE RA 12	-31.6	-72938	144892	-20515	SLE RA 12	-377.1	Si
1261	-83504	181886	-20407	SLE RA 12	-36.2	-83504	181886	-20407	SLE RA 12	-422.5	Si
1290	-94070	218881	-20298	SLE RA 12	-48.3	-94070	218881	-20298	SLE RA 12	-524.4	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
690	624446	-278793	-33235	SLE QP 2	-96.3	Si
719	542629	-231397	-33104	SLE QP 2	-76.7	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
748	460812	-184002	-32974	SLE QP 2	-62.1	Si
777	378995	-136606	-32843	SLE QP 2	-49.1	Si
806	297178	-89211	-32713	SLE QP 2	-37.8	Si
835	215361	-41815	-32582	SLE QP 2	-29.5	Si
864	133545	5580	-32452	SLE QP 2	-22.3	Si
893	51728	52976	-32321	SLE QP 2	-22.7	Si
922	-30089	100371	-32191	SLE QP 2	-25.9	Si
951	-111906	147767	-32060	SLE QP 2	-34	Si
980	-193723	195162	-31930	SLE QP 2	-39.7	Si
1000	6479	-125304	-16346	SLE QP 2	-22.8	Si
1029	-1377	-95780	-16239	SLE QP 2	-19.3	Si
1058	-9371	-65738	-16130	SLE QP 2	-16.6	Si
1087	-17365	-35695	-16021	SLE QP 2	-13.8	Si
1116	-25359	-5653	-15912	SLE QP 2	-11.1	Si
1145	-33353	24389	-15804	SLE QP 2	-13.6	Si
1174	-41347	54431	-15695	SLE QP 2	-17.3	Si
1203	-49341	84473	-15586	SLE QP 2	-20.9	Si
1232	-57335	114516	-15477	SLE QP 2	-24.6	Si
1261	-65329	144558	-15369	SLE QP 2	-28.2	Si
1290	-73323	174600	-15260	SLE QP 2	-38.5	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
690	581272	-254153	-30420	SLE FR 2	462674	-202298	-202298	870.4	588.4	0.013	43.97	0.0111	Si	Si
719	569799	-242145	-35074	SLE FR 6	518270	-220247	-220247	613.1	144.2	0.0413	29.7	0.0053	Si	Si
748	483992	-192647	-34944										No	Si
777	398185	-143149	-34813										No	Si
806	312378	-93651	-34683										No	Si
835	198547	-38308	-29627										No	Si
864	122716	5933	-29497										No	Si
893	46884	50175	-29366										No	Si
922	-28947	94417	-29236										No	Si
951	-104790	138768	-29102										No	Si
980	-202464	203337	-33900										No	Si
1000	7773	-132463	-17789										No	Si
1029	-2270	-87969	-14074										No	Si
1058	-9196	-60907	-13965										No	Si
1087	-16123	-33844	-13856										No	Si
1116	-23050	-6781	-13748										No	Si
1145	-29977	20282	-13639										No	Si
1174	-36904	47344	-13530										No	Si
1203	-53014	91184	-17029										No	Si
1232	-61719	123213	-16921										No	Si
1261	-70425	155241	-16812										No	Si
1290	-79130	187270	-16703										No	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
690	624446	-278793	-33235	SLE QP 2	459447	-205127	-205127	932.7	179.5	0.0425	28.6	0.0078	Si	Si
719	542629	-231397	-33104	SLE QP 2	514651	-219467	-219467	594.5	146.2	0.0571	27.77	0.0048	Si	Si
748	460812	-184002	-32974										No	Si
777	378995	-136606	-32843										No	Si
806	297178	-89211	-32713										No	Si
835	198547	-38308	-29627										No	Si
864	122716	5933	-29497										No	Si
893	46884	50175	-29366										No	Si
922	-28947	94417	-29236										No	Si
951	-104779	138659	-29105										No	Si
980	-193723	195162	-31930										No	Si
1000	6479	-125304	-16346										No	Si
1029	-2270	-87969	-14074										No	Si
1058	-9196	-60907	-13965										No	Si
1087	-16123	-33844	-13856										No	Si
1116	-23050	-6781	-13748										No	Si
1145	-29977	20282	-13639										No	Si
1174	-36904	47344	-13530										No	Si
1203	-49341	84473	-15586										No	Si
1232	-57335	114516	-15477										No	Si
1261	-65329	144558	-15369										No	Si
1290	-73323	174600	-15260										No	Si

Verifiche nodi trave colonna

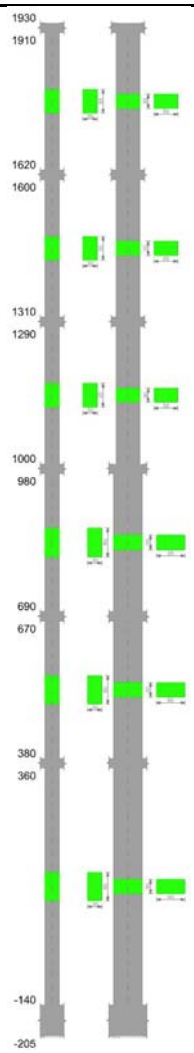
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 680 in quanto elemento di base della pilastrata.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.

Pilastro 62

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60_1	No	No	No	No		C30/37	B450C	
380	670	R 30x60_1	No	No	No	No		C30/37	B450C	
690	980	R 30x60_1	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	
1620	1910	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.9	8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.9	8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.10	-9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	-9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.11	-9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	-9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2	0	1,2	-477423	-477423	-176008	-785458	-785458	SLU 51	1.645	Si
-111	18.42	2	0	1,2	-476964	-476964	-175839	-804436	-804436	SLU 51	1.687	Si
-81	20.11	1.1	0	2	-476497	-476497	-175667	-818158	-818158	SLU 51	1.717	Si
-52	20.11	1.1	0	2	-476030	-476030	-175495	-818158	-818158	SLU 51	1.719	Si
-22	20.11	1.1	0	2	-475564	-475564	-175323	-818158	-818158	SLU 51	1.72	Si
7	20.11	1.1	0	2	475097	-475097	-175151	818158	-818158	SLU 51	1.722	Si
36	20.11	1.1	0	2	474630	-474630	-174979	818158	-818158	SLU 51	1.724	Si
66	20.11	1.1	0	2	474164	-474164	-174807	818158	-818158	SLU 51	1.725	Si
95	20.11	1.1	0	2	473697	473697	-174635	818158	818158	SLU 51	1.727	Si
125	20.11	1.1	0	2	473230	473230	-174463	818158	818158	SLU 51	1.729	Si
154	20.11	1.1	0	2	472763	472763	-174291	818158	818158	SLU 51	1.731	Si
184	20.11	1.1	0	2	472297	472297	-174119	818158	818158	SLU 51	1.732	Si
213	20.11	1.1	0	2	471825	471825	-173945	818158	818158	SLU 51	1.734	Si
242	20.11	1.1	0	2	471363	471363	-173774	818158	818158	SLU 51	1.736	Si
272	20.11	1.1	0	2	470897	470897	-173602	818158	818158	SLU 51	1.737	Si
301	20.11	1.1	0	2	470430	470430	-173430	818158	818158	SLU 51	1.739	Si
331	20.11	1.1	0	2	469963	469963	-173258	818158	818158	SLU 51	1.741	Si
360	20.11	1.1	0	2	469504	469504	-173089	818158	818158	SLU 51	1.743	Si
380	20.11	2.2	0	2,3	-496691	-287057	-143528	-1078435	-623269	SLU 52	2.171	Si
409	20.11	2.2	0	2,3	-443213	-286718	-143359	-975021	-630748	SLU 52	2.2	Si
438	20.11	1.1	0	3	-389735	-286378	-143189	-866816	-636938	SLU 52	2.224	Si
467	20.11	1.1	0	3	-336257	-286039	-143019	-755689	-642830	SLU 52	2.247	Si
496	20.11	1.1	0	3	-285776	-285776	-142888	-647491	-647491	SLU 51	2.266	Si
525	20.11	1.1	0	3	-285437	-285437	-142719	-647491	-647491	SLU 51	2.268	Si
554	20.11	1.1	0	3	-285098	285098	-142549	-647491	647491	SLU 51	2.271	Si
583	20.11	1.1	0	3	-284759	284759	-142379	-647491	647491	SLU 51	2.274	Si
612	20.11	1.1	0	3	-284419	284419	-142210	-647491	647491	SLU 51	2.277	Si
641	20.11	1.1	0	3	-284080	284080	-142040	-647491	647491	SLU 51	2.279	Si
670	20.11	1.1	0	3	283747	283747	-141873	647491	647491	SLU 51	2.282	Si
690	20.11	2.2	0	3,4,6,7	225127	-225127	-112563	647491	-647491	SLU 51	2.876	Si
719	20.11	2.2	0	3,4,6,7	224788	-224788	-112394	647491	-647491	SLU 51	2.88	Si
748	20.11	1.1	0	4,6,7	224448	-224448	-112224	647491	-647491	SLU 51	2.885	Si
777	20.11	1.1	0	4,6,7	224109	-224109	-112054	647491	-647491	SLU 51	2.889	Si
806	20.11	1.1	0	4,6,7	223770	-223770	-111885	647491	-647491	SLU 51	2.894	Si
835	20.11	1.1	0	4,6,7	223430	-223430	-111715	647491	-647491	SLU 51	2.898	Si
864	20.11	1.1	0	4,6,7	223091	223091	-111546	647491	647491	SLU 51	2.902	Si
893	20.11	1.1	0	4,6,7	-222752	222752	-111376	-647491	647491	SLU 51	2.907	Si
922	20.11	1.1	0	4,6,7	-222412	222412	-111206	-647491	647491	SLU 51	2.911	Si
951	20.37	1.6	0	4,5,6,7	-222073	222073	-111037	-649217	649217	SLU 51	2.923	Si
980	27.42	2	0	4,5,6,7	-221734	221734	-110867	-695580	695580	SLU 51	3.137	Si
1000	20.11	2.4	0	5,6,7,8	162866	-162866	-81433	556148	-556148	SLU 51	3.415	Si
1029	17.8	2.4	0	5,6,7,8	162588	-162588	-81294	541580	-541580	SLU 51	3.331	Si
1058	16.08	1.1	0	8	162305	-162305	-81153	530708	-530708	SLU 51	3.27	Si
1087	16.08	1.1	0	8	162022	-162022	-81011	530708	-530708	SLU 51	3.276	Si
1116	16.08	1.1	0	8	161740	161740	-80870	530708	530708	SLU 51	3.281	Si
1145	16.08	1.1	0	8	161457	161457	-80728	530708	530708	SLU 51	3.287	Si
1174	16.08	1.1	0	8	161174	161174	-80587	530708	530708	SLU 51	3.293	Si
1203	16.08	1.1	0	8	-160891	160891	-80446	-530708	530708	SLU 51	3.299	Si
1232	16.08	1.1	0	8	-160609	169751	-80304	-526120	556070	SLU 51	3.276	Si
1261	16.08	1.1	0	8	-160326	210522	-80163	-505471	663729	SLU 51	3.153	Si
1290	16.08	1.1	0	8	-160048	250590	-80024	-485654	760398	SLU 51	3.034	Si
1310	16.08	2.1	0	8,9	-149742	-277469	-58144	-539452	-999592	SLU 51	3.603	Si
1339	16.08	2.1	0	8,9	-116005	-232161	-58003	-452465	-905518	SLU 51	3.9	Si
1368	16.08	1.1	0	9	-115722	-186853	-57861	-482009	-778282	SLU 51	4.165	Si
1397	16.08	1.1	0	9	-115440	-141544	-57720	-512671	-628602	SLU 51	4.441	Si
1426	16.08	1.1	0	9	115157	-115157	-57578	530708	-530708	SLU 51	4.609	Si
1455	16.08	1.1	0	9	114874	-114874	-57437	530708	-530708	SLU 51	4.62	Si
1484	16.08	1.1	0	9	114591	-114591	-57296	530708	-530708	SLU 51	4.631	Si
1513	16.08	1.1	0	9	125917	114276	-57138	581264	527527	SLU 52	4.616	Si
1542	16.08	1.1	0	9	164881	113993	-56997	745227	515225	SLU 52	4.52	Si
1571	16.08	1.1	0	9	203622	130306	-56872	879676	562941	SLU 51	4.32	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1600	16.08	1.1	0	9	242208	174834	-56733	962339	694647	SLU 51	3.973	Si
1620	16.08	2.1	0	9,10,11	-249618	-299448	-25576	-955398	-1146119	SLU 51	3.827	Si
1649	16.08	2.1	0	9,10,11	-209822	-217890	-25435	-1051969	-1092417	SLU 51	5.014	Si
1678	16.08	1.1	0	10,11	-170317	-136211	-25285	-1148104	-918197	SLU 52	6.741	Si
1707	16.08	1.1	0	10,11	-130458	-54736	-25143	-1194002	-500966	SLU 52	9.152	Si
1736	16.08	1.1	0	10,11	-90437	50021	-25010	-904366	500206	SLU 51	10	Si
1765	16.08	1.1	0	10,11	-50642	108340	-24869	-447156	956623	SLU 51	8.83	Si
1794	16.08	1.1	0	10,11	-49455	189898	-24728	-334260	1283489	SLU 51	6.759	Si
1823	16.08	1.1	0	10,11	49173	271456	-24586	259725	1433805	SLU 51	5.282	Si
1852	16.08	1.1	0	10,11	68744	353013	-24445	283295	1454779	SLU 51	4.121	Si
1881	16.08	1.1	0	10,11	108539	434571	-24304	338075	1353595	SLU 51	3.115	Si
1910	16.08	1.1	0	10,11	148334	516129	-24162	355746	1237820	SLU 51	2.398	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	16.08	2	0	1,2	-1355600	-323688	-104922	-2.02	1.92	-2029334	-484561	SLV 13	1.497				Si
-111	18.42	2	0	1,2	-1249246	-294109	-104792	-2.02	1.92	-2040412	-480373	SLV 13	1.633				Si
-81	20.11	1.1	0	2	-1141085	-264025	-104660	-2.02	1.92	-2024112	-468341	SLV 13	1.774				Si
-52	20.11	1.1	0	2	-1032968	-233951	-104527	-2.02	1.92	-1964786	-444993	SLV 13	1.902				Si
-22	20.11	1.1	0	2	-671180	-280929	-117143	-2.02	1.92	-1352618	-566152	SLV 9	2.015				Si
7	20.11	1.1	0	2	-590946	-241355	-117010	-2.02	1.92	-1259280	-514317	SLV 9	2.131				Si
36	20.11	1.1	0	2	725805	126548	-110919	-2.02	1.92	1634979	285066	SLV 3	2.253				Si
66	20.11	1.1	0	2	643870	109145	-110786	-2.02	1.92	1516810	257120	SLV 3	2.356				Si
95	20.11	1.1	0	2	562169	91827	-110654	-2.02	1.92	1387278	226604	SLV 3	2.468				Si
125	20.11	1.1	0	2	480856	74690	-110522	-2.02	1.92	1245403	193446	SLV 3	2.59				Si
154	20.11	1.1	0	2	400320	58150	-110389	-2.02	1.92	1089966	158328	SLV 3	2.723				Si
184	20.11	1.1	0	2	9153	-1053	-120304	-2.02	1.92	25053	-2883	SLV 5	2.737				Si
213	20.11	1.1	0	2	36116	29668	-120171	-2.02	1.92	98958	81292	SLV 5	2.74				Si
242	20.11	1.1	0	2	58287	76999	-120040	-2.02	1.92	159883	211210	SLV 5	2.743				Si
272	20.11	1.1	0	2	48752	94979	-119907	-2.02	1.92	133875	260817	SLV 5	2.746				Si
301	20.11	1.1	0	2	1763	125133	-119775	-2.02	1.92	4847	344000	SLV 5	2.749				Si
331	20.11	1.1	0	2	88367	196464	-115554	-2.02	1.92	237060	527050	SLV 9	2.683				Si
360	20.11	1.1	0	2	402892	188458	-102677	-2.02	1.92	1045330	488967	SLV 13	2.595				Si
380	20.11	2.2	0	2,3	-306501	-336648	-95922	-2.02	1.92	-763832	-838961	SLV 9	2.492				Si
409	20.11	2.2	0	2,3	-266276	-274770	-95792	-2.02	1.92	-712481	-735207	SLV 9	2.676				Si
438	20.11	1.1	0	3	-229374	-213197	-95661	-2.02	1.92	-659464	-612954	SLV 9	2.875				Si
467	20.11	1.1	0	3	-197790	-152330	-95531	-2.02	1.92	-612259	-471536	SLV 9	3.096				Si
496	20.11	1.1	0	3	-174019	-93716	-95400	-2.02	1.92	-579084	-311859	SLV 9	3.328				Si
525	20.11	1.1	0	3	-159780	-32329	-98747	-2.02	1.92	-532781	-107800	SLV 5	3.334				Si
554	20.11	1.1	0	3	-154654	37625	-98617	-2.02	1.92	-516373	125626	SLV 5	3.339				Si
583	20.11	1.1	0	3	-156498	86236	-98486	-2.02	1.92	-516083	284381	SLV 5	3.298				Si
612	20.11	1.1	0	3	139288	168212	-94878	-2.02	1.92	438389	529422	SLV 9	3.147				Si
641	20.11	1.1	0	3	180112	229609	-94748	-2.02	1.92	524254	668325	SLV 9	2.911				Si
670	20.11	1.1	0	3	222018	290337	-94619	-2.02	1.92	601041	785995	SLV 9	2.707				Si
690	20.11	2.2	0	3,4,6,7	-65590	-268544	-75166	-2.02	1.92	-225323	-922540	SLV 9	3.435				Si
719	20.11	2.2	0	3,4,6,7	213507	-176504	-77831	-2.02	1.92	741233	-612767	SLV 5	3.472				Si
748	20.11	1.1	0	4,6,7	182384	-136781	-77701	-2.02	1.92	674968	-506202	SLV 5	3.701				Si
777	20.11	1.1	0	4,6,7	152098	-97496	-77570	-2.02	1.92	601957	-385859	SLV 5	3.958				Si
806	20.11	1.1	0	4,6,7	126330	-59639	-77440	-2.02	1.92	534250	-252214	SLV 5	4.229				Si
835	20.11	1.1	0	4,6,7	72170	-29286	-77309	-2.02	1.92	307380	-124731	SLV 5	4.259				Si
864	20.11	1.1	0	4,6,7	46775	33784	-77179	-2.02	1.92	199558	144134	SLV 5	4.266				Si
893	20.11	1.1	0	4,6,7	34267	69885	-77048	-2.02	1.92	146443	298655	SLV 5	4.274				Si
922	20.11	1.1	0	4,6,7	95626	136537	-74122	-2.02	1.92	385572	550529	SLV 9	4.032				Si
951	20.37	1.6	0	4,5,6,7	101375	184989	-73992	-2.02	1.92	384091	700885	SLV 9	3.789				Si
980	27.42	2	0	4,5,6,7	109310	233959	-73861	-2.02	1.92	415479	889259	SLV 9	3.801				Si
1000	20.11	2.4	0	5,6,7,8	-89224	-250041	-54538	-2.02	1.92	-322285	-903175	SLV 9	3.612				Si
1029	17.8	2.4	0	5,6,7,8	108435	-157964	-56602	-2.02	1.92	424187	-617939	SLV 5	3.912				Si
1058	16.08	1.1	0	8	94692	-108751	-56493	-2.02	1.92	398488	-457652	SLV 5	4.208				Si
1087	16.08	1.1	0	8	86192	-60290	-56384	-2.02	1.92	397754	-278221	SLV 5	4.615				Si
1116	16.08	1.1	0	8	43444	-5662	-56275	-2.02	1.92	209803	-27343	SLV 5	4.829				Si
1145	16.08	1.1	0	8	88693	60705	-53996	-2.02	1.92	422223	288985	SLV 9	4.76				Si
1174	16.08	1.1	0	8	98342	111843	-53887	-2.02	1.92	424629	482923	SLV 9	4.318				Si
1203	16.08	1.1	0	8	111540	168390	-53779	-2.02	1.92	434772	656365	SLV 9	3.898				Si
1232	16.08	1.1	0	8	127034	226247	-53670	-2.02	1.92	446331	794914	SLV 9	3.513				Si
1261	16.08	1.1	0	8	144006	284590	-53561	-2.02	1.92	453529	896282	SLV 9	3.149				Si
1290	16.08	1.1	0	8	161639	342152	-53454	-2.02	1.92	454990	963108	SLV 9	2.815				Si
1310	16.08	2.1	0	8,9	-303792	-303589	-33633	-2.02	1.92	-837066	-836506	SLV 13	2.755				Si
1339	16.08	2.1	0	8,9	-245431	-249801	-33524	-2.02	1.92	-827167	-841896	SLV 13	3.37				Si
1368	16.08	1.1	0	9	-188555	-196289	-33416	-2.02	1.92	-789229	-821598	SLV 13	4.186				Si
1397	16.08	1.1	0	9	111259	-131343	-39356	-2.02	1.92	562789	-664381	SLV 5	5.058				Si
1426	16.08	1.1	0	9	108447	-83675	-39247	-2.02	1.92	610023	-470682	SLV 5	5.625				Si
1455	16.08	1.1	0	9	117585	-13629	-37625	-2.02	1.92	781914	-90629	SLV 9	6.65				Si
1484	16.08	1.1	0	9	143842	44773	-37516	-2.02	1.92	862547	268480	SLV 9	5.996				Si
1513	16.08	1.1	0	9	185809	106124	-37407	-2.02	1.92	928300	530195	SLV 9	4.996				Si
1542	16.08	1.1	0	9	237496	169143	-37298	-2.02	1.92	963835	686439	SLV 9	4.058				Si
1571	16.08	1.1	0	9	294272	232647	-37190	-2.02	1.92	960137	759072	SLV 9	3.263				Si
1600	16.08	1.1	0	9	352703	295254	-37083	-2.02	1.92	935923	783477	SLV 9	2.654				Si
1620	16.08	2.1	0	9,10,11	-311076	-318174	-14220	-2.02	1.92	-707309	-723450	SLV 13	2.274				Si
1649	16.08	2.1	0	9,10,11	-249898	-236078	-14111	-2.02	1.92	-819306	-773998	SLV 13	3.279				Si
1678	16.08	1.1	0	10,11	3799	-167570	-17272	-2.02	1.92	27186	-1199044	SLV 5	7.155				Si
1707	16.08	1.1	0	10,11	-122395	-72798	-16674	-2.02	1.92	-1072148	-637687	SLV 1	8.76				Si
1736	16.08	1.1	0	10,11	-129390	-2601	-15312	-2.02	1.92	-1574426	-31646	SLV 3	12.168				Si
1765	16.08	1.1	0	10,11	47632	110185	-16111	-2.02	1.92	428502	991226	SLV 9	8.996				Si
1794	16.08	1.1	0	10,11	101223	201648	-16002	-2.02	1.92	502254	1000551	SLV 9	4.962				Si
1823	16.08	1.1	0	10,11	205254	258629	-13458	-2.02	1.92	676204	852046	SLV 13	3.294				Si
1852	16.08	1.1	0	10,11	216701	340717	-13350	-2.02	1.92	514133	808368	SLV 13	2.373				Si
1881	16.08	1.1	0	10,11	279066	422870	-13241	-2.02	1.92	485130	735119	SLV 13	1.738				Si
1910	16.08	1.1	0	10,11	341919	505054	-13132	-2.02	1.92	467235	690160	SLV 13	1.367				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2	0	1,2	-433811	-202384	-111970	-1001708	-467322	SLD 9	2.309	Si
-111	18.42	2	0	1,2	-394647	-183095	-111840	-958537	-444709	SLD 9	2.429	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-81	20.11	1.1	0	2	-354826	-163476	-111708	-902919	-415993	SLD 9	2.545	Si
-52	20.11	1.1	0	2	-315034	-143862	-111575	-828725	-378441	SLD 9	2.631	Si
-22	20.11	1.1	0	2	-275279	-124255	-111443	-749430	-338277	SLD 9	2.722	Si
7	20.11	1.1	0	2	-235571	-104659	-111311	-664510	-295227	SLD 9	2.821	Si
36	20.11	1.1	0	2	-50703	-64754	-112778	-148032	-189059	SLD 5	2.92	Si
66	20.11	1.1	0	2	-30612	-48860	-112646	-89480	-142820	SLD 5	2.923	Si
95	20.11	1.1	0	2	-10610	-32992	-112514	-31049	-96551	SLD 5	2.926	Si
125	20.11	1.1	0	2	9249	-17178	-112381	27100	-50331	SLD 5	2.93	Si
154	20.11	1.1	0	2	28836	-1528	-112249	84588	-4481	SLD 5	2.933	Si
184	20.11	1.1	0	2	47927	13261	-112117	140753	38945	SLD 5	2.937	Si
213	20.11	1.1	0	2	66191	29115	-111983	194627	85608	SLD 5	2.94	Si
242	20.11	1.1	0	2	82069	53328	-111852	241594	156988	SLD 5	2.944	Si
272	20.11	1.1	0	2	83397	63715	-111720	245796	187788	SLD 5	2.947	Si
301	20.11	1.1	0	2	70340	79452	-111587	207559	234446	SLD 5	2.951	Si
331	20.11	1.1	0	2	60200	95293	-111455	177849	281524	SLD 5	2.954	Si
360	20.11	1.1	0	2	252624	112912	-104740	736410	329143	SLD 13	2.915	Si
380	20.11	2.2	0	2,3	-208285	-208630	-91177	-627913	-628954	SLD 9	3.015	Si
409	20.11	2.2	0	2,3	-183817	-170953	-91047	-582668	-541892	SLD 9	3.17	Si
438	20.11	1.1	0	3	-160824	-133461	-90916	-536934	-445580	SLD 9	3.339	Si
467	20.11	1.1	0	3	-139956	-96391	-90786	-492561	-339238	SLD 9	3.519	Si
496	20.11	1.1	0	3	-95358	-54119	-92023	-341205	-193643	SLD 5	3.578	Si
525	20.11	1.1	0	3	-107016	-23194	-91892	-383462	-83108	SLD 5	3.583	Si
554	20.11	1.1	0	3	-95161	20425	-91762	-341469	73292	SLD 5	3.588	Si
583	20.11	1.1	0	3	-85741	52526	-91631	-308102	188749	SLD 5	3.593	Si
612	20.11	1.1	0	3	13201	85868	-91501	47506	309001	SLD 5	3.599	Si
641	20.11	1.1	0	3	79408	136070	-90003	277591	475668	SLD 9	3.496	Si
670	20.11	1.1	0	3	104773	173064	-89874	347409	573848	SLD 9	3.316	Si
690	20.11	2.2	0	3,4,6,7	67283	-130109	-72534	282874	-547010	SLD 5	4.204	Si
719	20.11	2.2	0	3,4,6,7	139273	-106536	-72404	579462	-443255	SLD 5	4.161	Si
748	20.11	1.1	0	4,6,7	119216	-83075	-72273	519614	-362089	SLD 5	4.359	Si
777	20.11	1.1	0	4,6,7	99306	-59870	-72143	453246	-273255	SLD 5	4.564	Si
806	20.11	1.1	0	4,6,7	80960	-37440	-72012	370181	-171192	SLD 5	4.572	Si
835	20.11	1.1	0	4,6,7	48695	-17944	-71882	223056	-82196	SLD 5	4.581	Si
864	20.11	1.1	0	4,6,7	29542	17640	-71751	135572	80952	SLD 5	4.589	Si
893	20.11	1.1	0	4,6,7	16201	39162	-71621	74481	180044	SLD 5	4.597	Si
922	20.11	1.1	0	4,6,7	3550	62150	-71490	16352	286253	SLD 5	4.606	Si
951	20.37	1.6	0	4,5,6,7	-8441	85534	-71360	-39071	395917	SLD 5	4.629	Si
980	27.42	2	0	4,5,6,7	21206	127125	-70123	101153	606380	SLD 9	4.77	Si
1000	20.11	2.4	0	5,6,7,8	-28686	-158448	-51680	-130733	-722119	SLD 9	4.557	Si
1029	17.8	2.4	0	5,6,7,8	52836	-106746	-52438	249893	-504863	SLD 5	4.73	Si
1058	16.08	1.1	0	8	45841	-72370	-52329	229254	-361928	SLD 5	5.001	Si
1087	16.08	1.1	0	8	40898	-38369	-52221	212845	-199684	SLD 5	5.204	Si
1116	16.08	1.1	0	8	21675	-1174	-52112	113039	-6122	SLD 5	5.215	Si
1145	16.08	1.1	0	8	17328	36095	-52003	90558	188634	SLD 5	5.226	Si
1174	16.08	1.1	0	8	41213	75658	-51029	209916	385363	SLD 9	5.093	Si
1203	16.08	1.1	0	8	45139	112720	-50920	213179	532345	SLD 9	4.723	Si
1232	16.08	1.1	0	8	50056	150474	-50812	219784	660694	SLD 9	4.391	Si
1261	16.08	1.1	0	8	55615	188485	-50703	227849	772201	SLD 9	4.097	Si
1290	16.08	1.1	0	8	61494	225961	-50596	235390	864946	SLD 9	3.828	Si
1310	16.08	2.1	0	8,9	-175299	-223097	-34429	-693285	-882321	SLD 13	3.955	Si
1339	16.08	2.1	0	8,9	-138417	-184733	-34320	-635926	-848715	SLD 13	4.594	Si
1368	16.08	1.1	0	9	-102212	-146494	-34211	-544713	-780703	SLD 13	5.329	Si
1397	16.08	1.1	0	9	-67276	-108532	-34102	-413596	-667228	SLD 13	6.148	Si
1426	16.08	1.1	0	9	45462	-67682	-36411	305354	-454601	SLD 5	6.717	Si
1455	16.08	1.1	0	9	39374	-26875	-36302	294766	-201195	SLD 5	7.486	Si
1484	16.08	1.1	0	9	87645	17689	-35586	636441	128451	SLD 9	7.262	Si
1513	16.08	1.1	0	9	117985	58820	-35477	741509	369672	SLD 9	6.285	Si
1542	16.08	1.1	0	9	152147	100718	-35369	830472	549754	SLD 9	5.458	Si
1571	16.08	1.1	0	9	188381	142842	-35260	887180	672714	SLD 9	4.71	Si
1600	16.08	1.1	0	9	225088	184332	-35153	911086	746116	SLD 9	4.048	Si
1620	16.08	2.1	0	9,10,11	-215165	-234661	-14671	-755371	-823815	SLD 13	3.511	Si
1649	16.08	2.1	0	9,10,11	-176553	-173506	-14562	-827655	-813371	SLD 13	4.688	Si
1678	16.08	1.1	0	10,11	-84577	-104994	-15432	-712116	-884013	SLD 9	8.42	Si
1707	16.08	1.1	0	10,11	-96412	-51622	-15471	-1048539	-561419	SLD 1	10.876	Si
1736	16.08	1.1	0	10,11	-85027	4909	-14861	-1228708	70940	SLD 3	14.451	Si
1765	16.08	1.1	0	10,11	-17706	72564	-15444	-218120	893931	SLD 5	12.319	Si
1794	16.08	1.1	0	10,11	37487	143126	-14997	288345	1100905	SLD 9	7.692	Si
1823	16.08	1.1	0	10,11	68008	208035	-14888	351527	1075313	SLD 9	5.169	Si
1852	16.08	1.1	0	10,11	111372	255614	-13801	440181	1010272	SLD 13	3.952	Si
1881	16.08	1.1	0	10,11	150391	316794	-13692	434372	914991	SLD 13	2.888	Si
1910	16.08	1.1	0	10,11	189665	377990	-13583	417199	831451	SLD 13	2.2	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	386	-175967	SLU 52	15366	47389	49015	2.15	122.62	-1841	-91769	SLU 3	15029	48390	55356	2.5	26.28	Si
-111	5X/2Y Ø8/10	386	-175798	SLU 52	15366	47389	49075	2.15	122.62	-1841	-91639	SLU 3	15029	48390	55356	2.5	26.28	Si
-81	5X/2Y Ø8/10	386	-175626	SLU 52	15366	47389	49137	2.15	122.62	-1841	-91507	SLU 3	15029	48390	55356	2.5	26.28	Si
-52	5X/2Y Ø8/10	386	-175454	SLU 52	15366	47389	49198	2.15	122.62	-1841	-91374	SLU 3	15029	48390	55356	2.5	26.28	Si
-22	5X/2Y Ø8/14.7	386	-175282	SLU 52	15366	37388	44421	2.5	96.75	-1841	-91242	SLU 3	15029	32833	55356	2.5	17.83	Si
7	5X/2Y Ø8/14.7	386	-175110	SLU 52	15366	37388	44476	2.5	96.75	-1841	-91109	SLU 3	15029	32833	55356	2.5	17.83	Si
36	5X/2Y Ø8/14.7	386	-174938	SLU 52	15366	37388	44531	2.5	96.75	-1841	-90977	SLU 3	15029	32833	55356	2.5	17.83	Si
66	5X/2Y Ø8/14.7	386	-174766	SLU 52	15366	37388	44587	2.5	96.75	-1841	-90845	SLU 3	15029	32833	55356	2.5	17.83	Si
95	5X/2Y Ø8/14.7	386	-174594	SLU 52	15366	37388	44642	2.5	96.75	-1841	-90712	SLU 3	15029	32833	55356	2.5	17.83	Si
125	5X/2Y Ø8/14.7	386	-174422	SLU 52	15366	37388	44698	2.5	96.75	-1841	-90580	SLU 3	15029	32833	55356	2.5	17.83	Si
154	5X/2Y Ø8/14.7	386	-174250	SLU 52	15366	37388	44753	2.5	96.75	-1841	-90448	SLU 3	15029	32833	55356	2.5	17.83	Si
184	5X/2Y Ø8/14.7	386	-174078	SLU 52	15366	37388	44808	2.5	96.75	-1841	-90315	SLU 3	15029	32833	55356	2.5	17.83	Si
213	5X/2Y Ø8/14.7	386	-173904	SLU 52	15366	37388	44864	2.5	96.75	-1841	-90182	SLU 3	15029	32833	55356	2.5	17.83	Si
242	5X/2Y Ø8/10	386	-173734	SLU 52	15366	48486	49073	2.2	125.46	-1841	-90051	SLU 3	15029	48385	55356	2.5	26.28	Si
272	5X/2Y Ø8/10	386	-173562	SLU 52	15366	48486	49133	2.2	125.46	-1841	-89918	SLU 3	15029	48385	55356	2.5	26.28	Si
301	5X/2Y Ø8/10	386	-173390	SLU 52	15366	48486	49194	2.2	125.46	-1841	-89786	SLU 3	15029	48385	55356	2.5	26.28	Si
331	5X/2Y Ø8/10	386	-173217	SLU 52	15366	48486	49254	2.2	125.46	-1841	-89654	SLU 3	15029	48385	55356	2.5	26.28	Si
360	5X/2Y Ø8/10	386	-173048	SLU 52	15366	48486	49314	2.2	125.46	-1841	-89523	SLU 3	15029	48385	55356	2.5	26.28	Si
380	5X/2Y Ø8/10	1201	-143567	SLU 51	15366	51792	52691	2.35	43.12	2379	-135251	SLU 46	15029	48385	55356	2.5	20.34	Si
409	5X/2Y Ø8/10	1201	-143397	SLU 51	15366	51792	52691	2.35	43.12	2379	-135082	SLU 46	15029	48385	55356	2.5	20.34	Si
438	5X/2Y Ø8/10	1201	-143228	SLU 51	15366	51792	52691	2.35	43.12	2379	-134912	SLU 46	15029	48385	55356	2.5	20.34	Si
467	5X/2Y Ø8/14.4	1201	-143058	SLU 51	15366	38145	50429	2.5	31.76	2379	-134742	SLU 46	15029	33497	55356	2.5	14.08	Si
496	5X/2Y Ø8/14.4	1201	-142888	SLU 51	15366	38145	50429	2.5	31.76	2379	-134573	SLU 46	15029	33497	55356	2.5	14.08	Si
525	5X/2Y Ø8/14.4	1201	-142719	SLU 51	15366	38145	50429	2.5	31.76	2379	-134403	SLU 46	15029	33497	55356	2.5	14.08	Si
554	5X/2Y Ø8/14.4	1201	-142549	SLU 51	15366	38145	50429	2.5	31.76	2379	-134233	SLU 46	15029	33497	55356	2.5	14.08	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
583	5X/2Y Ø8/14.4	1201	-142379	SLU 51	15366	38145	50429	2.5	31.76	2379	-134064	SLU 46	15029	33497	55356	2.5	14.08	Si
612	5X/2Y Ø8/10	1201	-142210	SLU 51	15366	51792	52691	2.35	43.12	2379	-133894	SLU 46	15029	48385	55356	2.5	20.34	Si
641	5X/2Y Ø8/10	1201	-142040	SLU 51	15366	51792	52691	2.35	43.12	2379	-133725	SLU 46	15029	48385	55356	2.5	20.34	Si
670	5X/2Y Ø8/10	1201	-141873	SLU 51	15366	51792	52691	2.35	43.12	2379	-133558	SLU 46	15029	48385	55356	2.5	20.34	Si
690	5X/2Y Ø8/10	715	-112534	SLU 52	15366	51792	52691	2.35	72.43	-891	-112534	SLU 52	15029	48385	55356	2.5	54.29	Si
719	5X/2Y Ø8/10	715	-112364	SLU 52	15366	51792	52691	2.35	72.43	-891	-112364	SLU 52	15029	48385	55356	2.5	54.29	Si
748	5X/2Y Ø8/10	715	-112195	SLU 52	15366	51792	52691	2.35	72.43	-891	-112195	SLU 52	15029	48385	55356	2.5	54.29	Si
777	5X/2Y Ø8/14.4	715	-112025	SLU 52	15366	38145	50429	2.5	53.34	-891	-112025	SLU 52	15029	33497	55356	2.5	37.59	Si
806	5X/2Y Ø8/14.4	715	-111855	SLU 52	15366	38145	50429	2.5	53.34	-891	-111855	SLU 52	15029	33497	55356	2.5	37.59	Si
835	5X/2Y Ø8/14.4	715	-111686	SLU 52	15366	38145	50429	2.5	53.34	-891	-111686	SLU 52	15029	33497	55356	2.5	37.59	Si
864	5X/2Y Ø8/14.4	715	-111516	SLU 52	15366	38145	50429	2.5	53.34	-891	-111516	SLU 52	15029	33497	55356	2.5	37.59	Si
893	5X/2Y Ø8/14.4	715	-111346	SLU 52	15366	38145	50429	2.5	53.34	-891	-111346	SLU 52	15029	33497	55356	2.5	37.59	Si
922	5X/2Y Ø8/10	715	-111177	SLU 52	15366	51792	52691	2.35	72.43	-891	-111177	SLU 52	15029	48385	55356	2.5	54.29	Si
951	5X/2Y Ø8/10	715	-111007	SLU 52	15366	51792	52691	2.35	72.43	-891	-111007	SLU 52	15029	48385	55356	2.5	54.29	Si
980	5X/2Y Ø8/10	715	-110837	SLU 52	15366	51792	52691	2.35	72.43	-891	-110837	SLU 52	15029	48385	55356	2.5	54.29	Si
1000	4X/2Y Ø8/10	1406	-81433	SLU 51	12805	42315	43268	2.4	30.1	-245	-64883	SLU 39	12600	39534	45178	2.5	161.42	Si
1029	4X/2Y Ø8/10	1406	-81294	SLU 51	12805	42315	43268	2.4	30.1	-245	-64744	SLU 39	12600	39534	45159	2.5	161.42	Si
1058	4X/2Y Ø8/10	1406	-81153	SLU 51	12805	42315	43268	2.4	30.1	-245	-64602	SLU 39	12600	39534	45139	2.5	161.42	Si
1087	4X/2Y Ø8/14.4	1406	-81011	SLU 51	12805	30516	42024	2.5	21.71	-245	-64461	SLU 39	12600	27370	45120	2.5	111.75	Si
1116	4X/2Y Ø8/14.4	1406	-80870	SLU 51	12805	30516	42024	2.5	21.71	-245	-64320	SLU 39	12600	27370	45100	2.5	111.75	Si
1145	4X/2Y Ø8/14.4	1406	-80728	SLU 51	12805	30516	42024	2.5	21.71	-245	-64178	SLU 39	12600	27370	45080	2.5	111.75	Si
1174	4X/2Y Ø8/14.4	1406	-80587	SLU 51	12805	30516	42024	2.5	21.71	-245	-64037	SLU 39	12600	27370	45061	2.5	111.75	Si
1203	4X/2Y Ø8/14.4	1406	-80446	SLU 51	12805	30516	42024	2.5	21.71	-245	-63896	SLU 39	12600	27370	45041	2.5	111.75	Si
1232	4X/2Y Ø8/10	1406	-80304	SLU 51	12805	42315	43268	2.4	30.1	-245	-63754	SLU 39	12600	39534	45022	2.5	161.42	Si
1261	4X/2Y Ø8/10	1406	-80163	SLU 51	12805	42315	43268	2.4	30.1	-245	-63613	SLU 39	12600	39534	45002	2.5	161.42	Si
1290	4X/2Y Ø8/10	1406	-80024	SLU 51	12805	42315	43268	2.4	30.1	-245	-63474	SLU 39	12600	39534	44983	2.5	161.42	Si
1310	4X/2Y Ø8/10	1550	-57931	SLU 49	12805	41434	42923	2.35	26.73	1358	-57931	SLU 49	12600	39534	44214	2.5	29.11	Si
1339	4X/2Y Ø8/10	1562	-58003	SLU 51	12805	41434	42933	2.35	26.52	1358	-57789	SLU 49	12600	39534	44195	2.5	29.11	Si
1368	4X/2Y Ø8/10	1562	-57861	SLU 51	12805	41434	42913	2.35	26.52	1358	-57648	SLU 49	12600	39534	44175	2.5	29.11	Si
1397	4X/2Y Ø8/14.4	1562	-57720	SLU 51	12805	30516	41053	2.5	19.53	1358	-57507	SLU 49	12600	27370	44156	2.5	20.16	Si
1426	4X/2Y Ø8/14.4	1562	-57578	SLU 51	12805	30516	41035	2.5	19.53	1358	-57365	SLU 49	12600	27370	44136	2.5	20.16	Si
1455	4X/2Y Ø8/14.4	1562	-57437	SLU 51	12805	30516	41017	2.5	19.53	1358	-57224	SLU 49	12600	27370	44116	2.5	20.16	Si
1484	4X/2Y Ø8/14.4	1562	-57296	SLU 51	12805	30516	40999	2.5	19.53	1358	-57083	SLU 49	12600	27370	44097	2.5	20.16	Si
1513	4X/2Y Ø8/14.4	1562	-57154	SLU 51	12805	30516	40981	2.5	19.53	1358	-56941	SLU 49	12600	27370	44077	2.5	20.16	Si
1542	4X/2Y Ø8/10	1562	-57013	SLU 51	12805	41434	42799	2.35	26.52	1358	-56800	SLU 49	12600	39534	44058	2.5	29.11	Si
1571	4X/2Y Ø8/10	1562	-56872	SLU 51	12805	41434	42780	2.35	26.52	1358	-56658	SLU 49	12600	39534	44038	2.5	29.11	Si
1600	4X/2Y Ø8/10	1562	-56733	SLU 51	12805	41434	42762	2.35	26.52	1358	-56520	SLU 49	12600	39534	44019	2.5	29.11	Si
1620	4X/2Y Ø8/10	2812	-25576	SLU 51	9490	39671	39730	2.25	14.11	1375	-25418	SLU 50	9011	39534	39707	2.5	28.75	Si
1649	4X/2Y Ø8/10	2812	-25435	SLU 51	9472	39671	39710	2.25	14.11	1375	-25277	SLU 50	8992	39534	39688	2.5	28.75	Si
1678	4X/2Y Ø8/10	2770	-25144	SLU 49	9436	38789	40266	2.2	14	1375	-25136	SLU 50	8973	39534	39668	2.5	28.75	Si
1707	4X/2Y Ø8/14.4	2812	-25152	SLU 51	9437	30516	36859	2.5	10.85	1375	-24994	SLU 50	8954	27370	39649	2.5	19.9	Si
1736	4X/2Y Ø8/14.4	2812	-25010	SLU 51	9419	30516	36841	2.5	10.85	1375	-24853	SLU 50	8935	27370	39629	2.5	19.9	Si
1765	4X/2Y Ø8/14.4	2812	-24869	SLU 51	9402	30516	36822	2.5	10.85	1375	-24711	SLU 50	8916	27370	39610	2.5	19.9	Si
1794	4X/2Y Ø8/14.4	2812	-24728	SLU 51	9384	30516	36804	2.5	10.85	1375	-24570	SLU 50	8897	27370	39590	2.5	19.9	Si
1823	4X/2Y Ø8/14.4	2812	-24586	SLU 51	9366	30516	36786	2.5	10.85	1375	-24429	SLU 50	8878	27370	39570	2.5	19.9	Si
1852	4X/2Y Ø8/10	2812	-24445	SLU 51	9349	38789	40168	2.2	13.79	1375	-24287	SLU 50	8859	39534	39551	2.5	28.75	Si
1881	4X/2Y Ø8/10	2812	-24304	SLU 51	9331	38789	40148	2.2	13.79	1375	-24146	SLU 50	8840	38743	40110	2.45	28.17	Si
1910	4X/2Y Ø8/10	2812	-24162	SLU 51	9314	38789	40128	2.2	13.79	1375	-24005	SLU 50	8821	38743	40090	2.45	28.17	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	1348	-117670	SLV 9	15366	51797	52691	2.35	38.42	3685	-98084	SLV 15	15029	48390	55356	2.5	13.13	Si
-111	5X/2Y Ø8/10	1348	-117540	SLV 9	15366	51797	52691	2.35	38.42	3685	-97954	SLV 15	15029	48390	55356	2.5	13.13	Si
-81	5X/2Y Ø8/10	1348	-117407	SLV 9	15366	51797	52691	2.35	38.42	3685	-97821	SLV 15	15029	48390	55356	2.5	13.13	Si
-52	5X/2Y Ø8/10	1348	-117275	SLV 9	15366	51797	52691	2.35	38.42	3685	-97689	SLV 15	15029	48390	55356	2.5	13.13	Si
-22	5X/2Y Ø8/14.7	1348	-117143	SLV 9	15366	37388	50429	2.5	27.73	3685	-97557	SLV 15	15029	32833	55356	2.5	8.91	Si
7	5X/2Y Ø8/14.7	1348	-117010	SLV 9	15366	37388	50429	2.5	27.73	3685	-97424	SLV 15	15029	32833	55356	2.5	8.91	Si
36	5X/2Y Ø8/14.7	1348	-116878	SLV 9	15366	37388	50429	2.5	27.73	3685	-97292	SLV 15	15029	32833	55356	2.5	8.91	Si
66	5X/2Y Ø8/14.7	1348	-116746	SLV 9	15366	37388	50429	2.5	27.73	3685	-97159	SLV 15	15029	32833	55356	2.5	8.91	Si
95	5X/2Y Ø8/14.7	1348	-116613	SLV 9	15366	37388	50429	2.5	27.73	3685	-97027	SLV 15	15029	32833	55356	2.5	8.91	Si
125	5X/2Y Ø8/14.7	1348	-116481	SLV 9	15366	37388	50429	2.5	27.73	3685	-96895	SLV 15	15029	32833	55356	2.5	8.91	Si
154	5X/2Y Ø8/14.7	1348	-116349	SLV 9	15366	37388	50429	2.5	27.73	3685	-96762	SLV 15	15029	32833	55356	2.5	8.91	Si
184	5X/2Y Ø8/14.7	1348	-116216	SLV 9	15366	37388	50429	2.5	27.73	3685	-96630	SLV 15	15029	32833	55356	2.5	8.91	Si
213	5X/2Y Ø8/14.7	1348	-116083	SLV 9	15366	37388	50429	2.5	27.73	3685	-96496	SLV 15	15029	32833	55356	2.5	8.91	Si
242	5X/2Y Ø8/10	1348	-115952	SLV 9	15366	51792	52691	2.35	38.41	3685	-96365	SLV 15	15029	48385	55356	2.5	13.13	Si
272	5X/2Y Ø8/10	1348	-115819	SLV 9	15366	51792	52691	2.35	38.41	3685	-96233	SLV 15	15029	48385	55356	2.5	13.13	Si
301	5X/2Y Ø8/10	1348	-115687	SLV 9	15366	51792	52691	2.35	38.41	3685	-96101	SLV 15	15029	48385	55356	2.5	13.13	Si
331	5X/2Y Ø8/10	1348	-115554	SLV 9	15366	51792	52691	2.35	38.41	3685	-95968	SLV 15	15029	48385	55356	2.5	13.13	Si
360	5X/2Y Ø8/10	1348	-115424	SLV 9	15366	51792	52691	2.35	38.41	3685	-95838	SLV 15	15029	48385	55356	2.5	13.13	Si
380	5X/2Y Ø8/10	2151	-95922	SLV 9	15366	51792	52691	2.35	24.08	1862	-85186	SLV 13	15029	48385	55356	2.5	25.98	Si
409	5X/2Y Ø8/10	2151	-95792	SLV 9	15366	51792	52691	2.35	24.08	1862	-85055	SLV 13	15029	48385	55356	2.5	25.98	Si
438	5X/2Y Ø8/10	2151	-95661	SLV 9	15366	51792	52691	2.35	24.08	1862	-84925	SLV 13	15029	48385	55356	2.5	25.98	Si
467	5X/2Y Ø8/14.4	2151	-95531	SLV 9	15366	38145	50429	2.5	17.74	1862	-84794	SLV 13	15029	33497	55356	2.5	17.99	Si
496	5X/2Y Ø8/14.4	2151	-95400	SLV 9	15366	38145	50429	2.5	17.74	1862	-84664	SLV 13	15029	33497	55356	2.5	17.99	Si
525	5X/2Y Ø8/14.4	2151	-95270	SLV 9	15366	38145	50429	2.5	17.74	1862	-84533	SLV 13	15029	33497	55356	2.5	17.99	Si
554	5X/2Y Ø8/14.4	2151	-95139	SLV 9	15366	38145	50429	2.5	17.74	1862	-84403	SLV 13	15029	33497	55356	2.5	17.99	Si
583	5X/2Y Ø8/14.4	2151	-95009	SLV 9	15366	38145	50429	2.5	17.74	1862	-84272	SLV 13	15029	33497	55356	2.5	17.99	Si
612	5X/2Y Ø8/10	2151	-94878	SLV 9	15366	51792	52691	2.35	24.08	1862	-84142	SLV 13	15029	48385	55356	2.5	25.98	Si
641	5X/2Y Ø8/10	2151	-94748	SLV 9	15366	51792	52691	2.35	24.08	1862	-84011	SLV 13	15029	48385	55356	2.5	25.98	Si
670	5X/2Y Ø8/10	2151	-94619	SLV 9	15366	51792	52691	2.35	24.08	1862	-83883	SLV 13	15029	48385	55356	2.5	25.98	Si
690	5X/2Y Ø8/10	1714	-75166	SLV 9	15366	51792	52268	2.35	30.21	-1693	-71390	SLV 3	15029	48385	54378	2.5	28.58	Si
719	5X/2Y Ø8/10	1714	-75036	SLV 9	15366	51792	52250	2.35	30.21	-1693	-71260	SLV 3	15029	48385	54360	2.5	28.58	Si
748	5X/2Y Ø8/10	1714	-74905	SLV 9	15366	51792	52233	2.35	30.21	-1693	-71129	SLV 3	15029	48385	54341	2.5	28.58	Si
777	5X/2Y Ø8/14.4	1714	-74775	SLV 9	15366	38145	49974	2.5	22.25	-1693	-70999	SLV 3	15029	33497	54323	2.5	19.79	Si
806	5X/2Y Ø8/14.4	1714	-74644	SLV 9	15366	38145	49957	2.5	22.25	-1693	-70868	SLV 3	15029	33497	54304	2.5	19.79	Si
835	5X/2Y Ø8/14.4	1714	-74514	SLV 9	15366	38145	49940	2.5	22.25	-1693	-70738	SLV 3	15029	33497	54286	2.5	19.79	Si
864	5X/2Y Ø8/14.4	1714	-74383	SLV 9	15366	38145	49923	2.5	22.25	-1693	-70607	SLV 3	15029	33497	54267	2.5	19.79	Si
893	5X/2Y Ø8/14.4	1714	-74253	SLV 9	15366	38145	49907	2.5	22.25	-1693	-70477	SLV 3	15029	33497	54249	2.5	19.79	Si
922	5X/2Y Ø8/10	1714	-74122	SLV 9	15366	51792	52127	2.35	30.21	-1693	-70346	SLV 3	15029	48385	54230	2.5	28.58	Si
951	5X/2Y Ø8/10	1714	-73992	SLV 9	15366	51792	52110	2.35	30.21	-1693	-70216	SLV 3	15029	48385	54212	2.5	28.58	Si
980	5X/2Y Ø8/10	1714	-73861	SLV 9	15366	51792	52092	2.35	30.21	-1693	-70085	SLV 3	15029	48385	54194	2.5	28.58	Si
1000	4X/2Y Ø8/10	2034	-54538	SLV 9	12805	41434	42466	2.35	20.37	-1111	-51686	SLV 3	12530	39534	43349	2.5	35.6	Si
1029	4X/2Y Ø8/10	2034	-54431	SLV 9	12805	41434	42452	2.35	20.37	-1111	-51579	SLV 3	12516	39534	43334	2.5	35.6	Si
1058	4X/2Y Ø8/10	2034	-54322	SLV 9	12805	41434	42437	2.35	20.37	-1111	-51470	SLV 3	12502	39534	43319	2.5	35.6	Si
1087	4X/2Y Ø8/14.4	2034	-54214	SLV 9	12805	30516	40602	2.5	15	-1111	-51361	SLV 3	12487	27370	43304	2.5	24.64	Si
1116	4X/2Y Ø8/14.4	2034	-54105	SLV 9	12805	30516	40588	2.5	15	-1111	-51253	SLV 3	12472	27370	43289	2.5	24.64	Si
1145	4X/2Y Ø8/14.4	2034	-53996	SLV 9	12805	30516	40574	2.5	15	-1111	-51144	SLV 3	12458	27370	43274	2.5	24.64	Si
1174	4X/2Y Ø8/14.4	2034	-53887	SLV 9	12805	30516	40560	2.5	15	-1111	-51035	SLV 3	12443	27370	43258	2.5	24.64	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1203	4X/2Y Ø8/14.4	2034	-53779	SLV 9	12805	30516	40546	2.5	15	-1111	-50926	SLV 3	12429	27370	43243	2.5	24.64	Si
1232	4X/2Y Ø8/10	2034	-53670	SLV 9	12805	41434	42349	2.35	20.37	-1111	-50818	SLV 3	12414	39534	43228	2.5	35.6	Si
1261	4X/2Y Ø8/10	2034	-53561	SLV 9	12805	41434	42335	2.35	20.37	-1111	-50709	SLV 3	12399	39534	43213	2.5	35.6	Si
1290	4X/2Y Ø8/10	2034	-53454	SLV 9	12805	41434	42320	2.35	20.37	-1111	-50602	SLV 3	12385	39534	43198	2.5	35.6	Si
1310	4X/2Y Ø8/10	2207	-38168	SLV 9	11057	40552	40863	2.3	18.37	2678	-33633	SLV 13	10111	39534	40846	2.5	14.76	Si
1339	4X/2Y Ø8/10	2207	-38060	SLV 9	11044	40552	40849	2.3	18.37	2678	-33524	SLV 13	10097	39534	40831	2.5	14.76	Si
1368	4X/2Y Ø8/10	2207	-37951	SLV 9	11030	40552	40834	2.3	18.37	2678	-33416	SLV 13	10082	39534	40816	2.5	14.76	Si
1397	4X/2Y Ø8/14.4	2207	-37842	SLV 9	11017	30516	38493	2.5	13.82	2678	-33307	SLV 13	10068	27370	40801	2.5	10.22	Si
1426	4X/2Y Ø8/14.4	2207	-37733	SLV 9	11003	30516	38479	2.5	13.82	2678	-33198	SLV 13	10053	27370	40786	2.5	10.22	Si
1455	4X/2Y Ø8/14.4	2207	-37625	SLV 9	10990	30516	38465	2.5	13.82	2678	-33089	SLV 13	10039	27370	40771	2.5	10.22	Si
1484	4X/2Y Ø8/14.4	2207	-37516	SLV 9	10976	30516	38451	2.5	13.82	2678	-32981	SLV 13	10024	27370	40756	2.5	10.22	Si
1513	4X/2Y Ø8/14.4	2207	-37407	SLV 9	10963	30516	38437	2.5	13.82	2678	-32872	SLV 13	10009	27370	40741	2.5	10.22	Si
1542	4X/2Y Ø8/10	2207	-37298	SLV 9	10949	40552	40745	2.3	18.37	2678	-32763	SLV 13	9995	39534	40726	2.5	14.76	Si
1571	4X/2Y Ø8/10	2207	-37190	SLV 9	10935	40552	40730	2.3	18.37	2678	-32654	SLV 13	9980	39534	40711	2.5	14.76	Si
1600	4X/2Y Ø8/10	2207	-37083	SLV 9	10922	40552	40715	2.3	18.37	2678	-32548	SLV 13	9966	39534	40696	2.5	14.76	Si
1620	4X/2Y Ø8/10	3173	-16655	SLV 9	8379	38789	39072	2.2	12.22	2771	-12967	SLV 15	7342	37953	39105	2.4	13.7	Si
1649	4X/2Y Ø8/10	3173	-16546	SLV 9	8365	38789	39056	2.2	12.22	2771	-12858	SLV 15	7328	37953	39090	2.4	13.7	Si
1678	4X/2Y Ø8/10	3173	-16437	SLV 9	8352	38789	39041	2.2	12.22	2771	-12749	SLV 15	7313	37953	39074	2.4	13.7	Si
1707	4X/2Y Ø8/14.4	3173	-16329	SLV 9	8338	30516	35723	2.5	9.62	2771	-12640	SLV 15	7298	27370	37936	2.5	9.88	Si
1736	4X/2Y Ø8/14.4	3173	-16220	SLV 9	8325	30516	35709	2.5	9.62	2771	-12532	SLV 15	7284	27370	37921	2.5	9.88	Si
1765	4X/2Y Ø8/14.4	3173	-16111	SLV 9	8311	30516	35695	2.5	9.62	2771	-12423	SLV 15	7269	27370	37906	2.5	9.88	Si
1794	4X/2Y Ø8/14.4	3173	-16002	SLV 9	8298	30516	35681	2.5	9.62	2771	-12314	SLV 15	7255	27370	37891	2.5	9.88	Si
1823	4X/2Y Ø8/14.4	3173	-15894	SLV 9	8284	30516	35666	2.5	9.62	2771	-12205	SLV 15	7240	27370	37876	2.5	9.88	Si
1852	4X/2Y Ø8/10	3173	-15785	SLV 9	8271	38789	38949	2.2	12.22	2771	-12097	SLV 15	7226	37953	38981	2.4	13.7	Si
1881	4X/2Y Ø8/10	3173	-15676	SLV 9	8257	38789	38934	2.2	12.22	2771	-11988	SLV 15	7211	37953	38965	2.4	13.7	Si
1910	4X/2Y Ø8/10	3173	-15567	SLV 9	8244	38789	38919	2.2	12.22	2771	-11879	SLV 15	7196	37953	38950	2.4	13.7	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	668	-111970	SLD 9	19266	55104	50429	2.5	75.51	1726	-104313	SLD 15	19310	48390	55356	2.5	28.04	Si
-111	5X/2Y Ø8/10	668	-111840	SLD 9	19266	55104	50429	2.5	75.51	1726	-104183	SLD 15	19310	48390	55356	2.5	28.04	Si
-81	5X/2Y Ø8/10	668	-111708	SLD 9	19266	55104	50429	2.5	75.51	1726	-104051	SLD 15	19310	48390	55356	2.5	28.04	Si
-52	5X/2Y Ø8/10	668	-111575	SLD 9	19266	55104	50429	2.5	75.51	1726	-103919	SLD 15	19310	48390	55356	2.5	28.04	Si
-22	5X/2Y Ø8/14.7	668	-111443	SLD 9	19266	37388	50429	2.5	55.99	1726	-103786	SLD 15	19310	32833	55356	2.5	19.03	Si
7	5X/2Y Ø8/14.7	668	-111311	SLD 9	19266	37388	50429	2.5	55.99	1726	-103654	SLD 15	19310	32833	55356	2.5	19.03	Si
36	5X/2Y Ø8/14.7	668	-111178	SLD 9	19266	37388	50429	2.5	55.99	1726	-103522	SLD 15	19310	32833	55356	2.5	19.03	Si
66	5X/2Y Ø8/14.7	668	-111046	SLD 9	19266	37388	50429	2.5	55.99	1726	-103389	SLD 15	19310	32833	55356	2.5	19.03	Si
95	5X/2Y Ø8/14.7	668	-110914	SLD 9	19266	37388	50429	2.5	55.99	1726	-103257	SLD 15	19310	32833	55356	2.5	19.03	Si
125	5X/2Y Ø8/14.7	668	-110781	SLD 9	19266	37388	50429	2.5	55.99	1726	-103124	SLD 15	19310	32833	55356	2.5	19.03	Si
154	5X/2Y Ø8/14.7	668	-110649	SLD 9	19266	37388	50429	2.5	55.99	1726	-102992	SLD 15	19310	32833	55356	2.5	19.03	Si
184	5X/2Y Ø8/14.7	668	-110516	SLD 9	19266	37388	50429	2.5	55.99	1726	-102860	SLD 15	19310	32833	55356	2.5	19.03	Si
213	5X/2Y Ø8/14.7	668	-110383	SLD 9	19266	37388	50429	2.5	55.99	1726	-102726	SLD 15	19310	32833	55356	2.5	19.03	Si
242	5X/2Y Ø8/10	668	-110252	SLD 9	19266	55098	50429	2.5	75.51	1726	-102595	SLD 15	19310	48385	55356	2.5	28.04	Si
272	5X/2Y Ø8/10	668	-110119	SLD 9	19266	55098	50429	2.5	75.51	1726	-102463	SLD 15	19310	48385	55356	2.5	28.04	Si
301	5X/2Y Ø8/10	668	-109987	SLD 9	19266	55098	50429	2.5	75.51	1726	-102330	SLD 15	19310	48385	55356	2.5	28.04	Si
331	5X/2Y Ø8/10	668	-109855	SLD 9	19266	55098	50429	2.5	75.51	1726	-102198	SLD 15	19310	48385	55356	2.5	28.04	Si
360	5X/2Y Ø8/10	668	-109725	SLD 9	19266	55098	50429	2.5	75.51	1726	-102068	SLD 15	19310	48385	55356	2.5	28.04	Si
380	5X/2Y Ø8/10	1310	-91177	SLD 9	18918	55098	50429	2.5	38.51	1063	-86962	SLD 13	18352	48385	55356	2.5	45.52	Si
409	5X/2Y Ø8/10	1310	-91047	SLD 9	18902	55098	50429	2.5	38.51	1063	-86832	SLD 13	18334	48385	55356	2.5	45.52	Si
438	5X/2Y Ø8/10	1310	-90916	SLD 9	18886	55098	50429	2.5	38.51	1063	-86701	SLD 13	18316	48385	55356	2.5	45.52	Si
467	5X/2Y Ø8/14.4	1310	-90786	SLD 9	18869	38145	50429	2.5	29.13	1063	-86571	SLD 13	18298	33497	55356	2.5	31.52	Si
496	5X/2Y Ø8/14.4	1310	-90655	SLD 9	18853	38145	50429	2.5	29.13	1063	-86440	SLD 13	18280	33497	55356	2.5	31.52	Si
525	5X/2Y Ø8/14.4	1310	-90525	SLD 9	18837	38145	50429	2.5	29.13	1063	-86310	SLD 13	18262	33497	55356	2.5	31.52	Si
554	5X/2Y Ø8/14.4	1310	-90394	SLD 9	18821	38145	50429	2.5	29.13	1063	-86179	SLD 13	18245	33497	55356	2.5	31.52	Si
583	5X/2Y Ø8/14.4	1310	-90264	SLD 9	18804	38145	50429	2.5	29.13	1063	-86049	SLD 13	18227	33497	55356	2.5	31.52	Si
612	5X/2Y Ø8/10	1310	-90133	SLD 9	18788	55098	50429	2.5	38.51	1063	-85918	SLD 13	18209	48385	55356	2.5	45.52	Si
641	5X/2Y Ø8/10	1310	-90003	SLD 9	18772	55098	50429	2.5	38.51	1063	-85788	SLD 13	18191	48385	55356	2.5	45.52	Si
670	5X/2Y Ø8/10	1310	-89874	SLD 9	18756	55098	50429	2.5	38.51	1063	-85660	SLD 13	18174	48385	55356	2.5	45.52	Si
690	5X/2Y Ø8/10	948	-71428	SLD 9	16459	55098	49543	2.5	52.28	-944	-69950	SLD 3	16027	48385	54175	2.5	51.26	Si
719	5X/2Y Ø8/10	948	-71297	SLD 9	16443	55098	49526	2.5	52.27	-944	-69820	SLD 3	16009	48385	54156	2.5	51.26	Si
748	5X/2Y Ø8/10	948	-71167	SLD 9	16427	55098	49509	2.5	52.25	-944	-69689	SLD 3	15991	48385	54138	2.5	51.26	Si
777	5X/2Y Ø8/14.4	948	-71036	SLD 9	16410	38145	49492	2.5	40.26	-944	-69559	SLD 3	15973	33497	54119	2.5	35.49	Si
806	5X/2Y Ø8/14.4	948	-70906	SLD 9	16394	38145	49476	2.5	40.26	-944	-69428	SLD 3	15955	33497	54101	2.5	35.49	Si
835	5X/2Y Ø8/14.4	948	-70775	SLD 9	16378	38145	49459	2.5	40.26	-944	-69298	SLD 3	15938	33497	54082	2.5	35.49	Si
864	5X/2Y Ø8/14.4	948	-70645	SLD 9	16362	38145	49442	2.5	40.26	-944	-69167	SLD 3	15920	33497	54064	2.5	35.49	Si
893	5X/2Y Ø8/14.4	948	-70514	SLD 9	16345	38145	49425	2.5	40.26	-944	-69037	SLD 3	15902	33497	54045	2.5	35.49	Si
922	5X/2Y Ø8/10	948	-70384	SLD 9	16329	55098	49408	2.5	52.14	-944	-68906	SLD 3	15884	48385	54027	2.5	51.26	Si
951	5X/2Y Ø8/10	948	-70253	SLD 9	16313	55098	49392	2.5	52.13	-944	-68776	SLD 3	15866	48385	54008	2.5	51.26	Si
980	5X/2Y Ø8/10	948	-70123	SLD 9	16297	55098	49375	2.5	52.11	-944	-68645	SLD 3	15848	48385	53990	2.5	51.26	Si
1000	4X/2Y Ø8/10	1323	-51680	SLD 9	12740	44078	40276	2.5	30.45	-491	-50563	SLD 3	12380	39534	43193	2.5	80.53	Si
1029	4X/2Y Ø8/10	1323	-51573	SLD 9	12726	44078	40262	2.5	30.44	-491	-50456	SLD 3	12366	39534	43178	2.5	80.53	Si
1058	4X/2Y Ø8/10	1323	-51464	SLD 9	12713	44078	40248	2.5	30.43	-491	-50348	SLD 3	12351	39534	43163	2.5	80.53	Si
1087	4X/2Y Ø8/14.4	1323	-51355	SLD 9	12699	30516	40234	2.5	23.07	-491	-50239	SLD 3	12337	27370	43148	2.5	55.75	Si
1116	4X/2Y Ø8/14.4	1323	-51247	SLD 9	12686	30516	40220	2.5	23.07	-491	-50130	SLD 3	12322	27370	43133	2.5	55.75	Si
1145	4X/2Y Ø8/14.4	1323	-51138	SLD 9	12672	30516	40206	2.5	23.07	-491	-50021	SLD 3	12307	27370	43118	2.5	55.75	Si
1174	4X/2Y Ø8/14.4	1323	-51029	SLD 9	12659	30516	40192	2.5	23.07	-491	-49913	SLD 3	12293	27370	43103	2.5	55.75	Si
1203	4X/2Y Ø8/14.4	1323	-50920	SLD 9	12645	30516	40178	2.5	23.07	-491	-49804	SLD 3	12278	27370	43088	2.5	55.75	Si
1232	4X/2Y Ø8/10	1323	-50812	SLD 9	12631	44078	40164	2.5	30.37	-491	-49695	SLD 3	12264	39534	43073	2.5	80.53	Si
1261	4X/2Y Ø8/10	1323	-50703	SLD 9	12618	44078	40150	2.5	30.36	-491	-49586	SLD 3	12249	39534	43058	2.5	80.53	Si
1290	4X/2Y Ø8/10	1323	-50596	SLD 9	12605	44078	40136	2.5	30.35	-491	-49479	SLD 3	12235	39534	43043	2.5	80.53	Si
1310	4X/2Y Ø8/10	1461	-36239	SLD 9	10817	44078	38287	2.5	26.21	1543	-34429	SLD 13	10218	39534	40956	2.5	25.63	Si
1339	4X/2Y Ø8/10	1461	-36130	SLD 9	10804	44078	38273	2.5	26.2	1543	-34320	SLD 13	10203	39534	40941	2.5	25.63	Si
1368	4X/2Y Ø8/10	1461	-36021	SLD 9	10790	44078	38259	2.5	26.19	1543	-34211	SLD 13	10189	39534	40926	2.5	25.63	Si
1397	4X/2Y Ø8/14.4	1461	-35912	SLD 9	10776	30516	38245	2.5	20.89	1543	-34102	SLD 13	10174	27370	40911	2.5	17.74	Si
1426	4X/2Y Ø8/14.4	1461	-35804	SLD 9	10763	30516	38231	2.5	20.89	1543	-33994	SLD 13	10160	27370	40896	2.5	17.74	Si
1455	4X/2Y Ø8/14.4	1461	-35695	SLD 9	10749	30516	38217	2.5	20.89	1543	-33885	SLD 13	10145	27370	40881	2.5	17.74	Si
1484	4X/2Y Ø8/14.4	1461	-35586	SLD 9	10736	30516	38203	2.5	20.89	1543	-33776	SLD 13	10131	27370	40866	2.5	17.74	Si
1513	4X/2Y Ø8/14.4	1461	-35477	SLD 9	10722	30516	38189	2.5	20.89	1543	-33667	SLD 13	10116	27370	40851	2.5	17.74	Si
1542	4X/2Y Ø8/10	1461	-35369	SLD 9	10709	44078	38175	2.5	26.13	1543	-33559	SLD 13	10101	39534	40836	2.5	25.63	Si
1571	4X/2Y Ø8/10	1461	-35260	SLD 9	10695	44078	38161	2.5	26.12	1543	-33450	SLD 13	10087	39534	40821	2.5	25.63	Si
1600	4X/2Y Ø8/10	1461	-35153	SLD 9	10682	44078	38147	2.5	26.11	1543	-33343	SLD 13	10073	39534	40806	2.5	25.63	Si
1620	4X/2Y Ø8/10	2241	-15650	SLD 9	8254	44078	35635	2.5	15.9	1599	-14170	SLD 15	7503	39534	38148	2.5	23.86	Si
1649	4X/2Y Ø8/10	2241	-15541	SLD 9	8240	44078	35621	2.5	15.89	1599	-14061	SLD 15	7489	39534	38133	2.5	23.85	Si
1678	4X/2Y Ø8/10	2241	-15432	SLD 9	8227	44078	35607	2.5	15.89	1599	-13952	SLD 15	7474	39534	38118	2.5	23.84	Si
1707	4X/2Y Ø8/14.4	2241	-15323	SLD 9	8213	30516	35593	2.5	13.61	1599	-13843	SLD 15	7460	27370	38103	2.5	17.12	Si
1736	4X/2Y Ø8/14.4	2241	-15215	SLD 9	8200	30516	35579	2.5	13.61	1599	-13735	SLD 15	7445	27370	38088	2.5	17.12	Si
1765	4X/2Y Ø8/14.4	2241	-15106	SLD 9	8186	30516	35565	2.5	13.61	1599	-13626	SLD 15	7430	27370	38073	2.5	17.12	Si
1794	4X/2Y Ø8/14.4	2241	-14997	SLD 9	8173	30516	35551	2.5	13.61	1599	-13517	SLD 15	7416	27370	38058	2.5	17.12	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1823	4X/2Y Ø8/14.4	2241	-14888	SLD 9	8159	30516	35537	2.5	13.61	1599	-13408	SLD 15	7401	27370	38043	2.5	17.12	Si
1852	4X/2Y Ø8/10	2241	-14780	SLD 9	8145	44078	35523	2.5	15.85	1599	-13300	SLD 15	7387	39534	38028	2.5	23.78	Si
1881	4X/2Y Ø8/10	2241	-14671	SLD 9	8132	44078	35509	2.5	15.84	1599	-13191	SLD 15	7372	39534	38013	2.5	23.77	Si
1910	4X/2Y Ø8/10	2241	-14562	SLD 9	8118	44078	35495	2.5	15.84	1599	-13082	SLD 15	7358	39534	37997	2.5	23.76	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	344227	-60163	-117400	SLE RA 7	-79.8	344227	-60163	-117400	SLE RA 7	-1122.5	Si
-111	314952	-52520	-117270	SLE RA 7	-76.4	314952	-52520	-117270	SLE RA 7	-1079.7	Si
-81	285171	-44745	-117138	SLE RA 7	-73.3	285171	-44745	-117138	SLE RA 7	-1042.2	Si
-52	255390	-36970	-117006	SLE RA 7	-71.2	255390	-36970	-117006	SLE RA 7	-1017	Si
-22	225608	-29194	-116873	SLE RA 7	-69	225608	-29194	-116873	SLE RA 7	-991.8	Si
7	195827	-21419	-116741	SLE RA 7	-66.8	124192	-23279	-123429	SLE RA 13	-974.1	Si
36	111986	-15168	-123296	SLE RA 13	-65.4	111986	-15168	-123296	SLE RA 13	-958.9	Si
66	99780	-7057	-123164	SLE RA 13	-64	99780	-7057	-123164	SLE RA 13	-943.6	Si
95	87575	1054	-123032	SLE RA 13	-62.8	87575	1054	-123032	SLE RA 13	-930.2	Si
125	75369	9164	-122899	SLE RA 13	-62.9	75369	9164	-122899	SLE RA 13	-929.3	Si
154	76925	16782	-122794	SLE RA 12	-63.6	76925	16782	-122794	SLE RA 12	-936.2	Si
184	90508	24540	-122662	SLE RA 12	-64.9	90508	24540	-122662	SLE RA 12	-950.1	Si
213	104223	32374	-122528	SLE RA 12	-66.2	104223	32374	-122528	SLE RA 12	-964	Si
242	117675	40057	-122397	SLE RA 12	-67.5	117675	40057	-122397	SLE RA 12	-977.8	Si
272	131259	47816	-122265	SLE RA 12	-68.8	131259	47816	-122265	SLE RA 12	-991.6	Si
301	144843	55574	-122132	SLE RA 12	-70.1	144843	55574	-122132	SLE RA 12	-1005.5	Si
331	158426	63333	-122000	SLE RA 12	-71.3	158426	63333	-122000	SLE RA 12	-1019.3	Si
360	171779	70959	-121870	SLE RA 12	-72.6	171779	70959	-121870	SLE RA 12	-1032.9	Si
380	-433644	-131789	-95630	SLE RA 7	-78.1	-433644	-131789	-95630	SLE RA 7	-1052.4	Si
409	-386755	-108684	-95500	SLE RA 7	-73.7	-386755	-108684	-95500	SLE RA 7	-1003.6	Si
438	-339865	-85579	-95369	SLE RA 7	-69.3	-267010	-90738	-100887	SLE RA 13	-956.3	Si
467	-230469	-66297	-100757	SLE RA 13	-64.9	-230469	-66297	-100757	SLE RA 13	-912.4	Si
496	-193928	-41857	-100626	SLE RA 13	-60.9	-193928	-41857	-100626	SLE RA 13	-868.5	Si
525	-157387	-17416	-100496	SLE RA 13	-56.9	-157387	-17416	-100496	SLE RA 13	-824.6	Si
554	-120846	7025	-100365	SLE RA 13	-54.1	-120846	7025	-100365	SLE RA 13	-793.2	Si
583	-84305	31465	-100235	SLE RA 13	-54.6	-84305	31465	-100235	SLE RA 13	-792.5	Si
612	-47764	55906	-100104	SLE RA 13	-55	-47764	55906	-100104	SLE RA 13	-791.8	Si
641	-11222	80347	-99974	SLE RA 13	-55.5	-11222	80347	-99974	SLE RA 13	-791.1	Si
670	24689	104366	-99846	SLE RA 13	-58.2	24689	104366	-99846	SLE RA 13	-819.3	Si
690	134935	-84550	-79293	SLE RA 13	-51.9	134935	-84550	-79293	SLE RA 13	-719.5	Si
719	116659	-69645	-79163	SLE RA 13	-49.6	116659	-69645	-79163	SLE RA 13	-694.7	Si
748	98382	-54739	-79032	SLE RA 13	-47.3	98382	-54739	-79032	SLE RA 13	-670	Si
777	80106	-39834	-78902	SLE RA 13	-45	80106	-39834	-78902	SLE RA 13	-645.2	Si
806	61830	-24928	-78771	SLE RA 13	-42.7	61830	-24928	-78771	SLE RA 13	-620.4	Si
835	43553	-10023	-78641	SLE RA 13	-40.4	43553	-10023	-78641	SLE RA 13	-595.6	Si
864	25277	4883	-78510	SLE RA 13	-39	25277	4883	-78510	SLE RA 13	-579.4	Si
893	7001	19788	-78380	SLE RA 13	-39.4	7001	19788	-78380	SLE RA 13	-581	Si
922	-20029	33546	-78269	SLE RA 12	-41.3	-20029	33546	-78269	SLE RA 12	-600	Si
951	-38281	48030	-78139	SLE RA 12	-43.3	-38281	48030	-78139	SLE RA 12	-621.3	Si
980	-56533	62514	-78008	SLE RA 12	-43.1	-56533	62514	-78008	SLE RA 12	-613	Si
1000	31035	-109579	-57344	SLE RA 13	-45.5	31035	-109579	-57344	SLE RA 13	-614.3	Si
1029	26598	-81265	-57237	SLE RA 13	-43	26598	-81265	-57237	SLE RA 13	-592.5	Si
1058	22083	-52455	-57128	SLE RA 13	-40.1	22083	-52455	-57128	SLE RA 13	-566.1	Si
1087	17569	-23644	-57019	SLE RA 13	-36.6	17569	-23644	-57019	SLE RA 13	-530.7	Si
1116	13054	5167	-56911	SLE RA 13	-34.1	13054	5167	-56911	SLE RA 13	-506.3	Si
1145	8539	33978	-56802	SLE RA 13	-37	8539	33978	-56802	SLE RA 13	-532.5	Si
1174	4024	62788	-56693	SLE RA 13	-39.8	4024	62788	-56693	SLE RA 13	-558.8	Si
1203	-4310	91466	-56602	SLE RA 12	-42.9	-4310	91466	-56602	SLE RA 12	-589	Si
1232	-8606	120482	-56493	SLE RA 12	-46.4	-8606	120482	-56493	SLE RA 12	-622.4	Si
1261	-12903	149499	-56384	SLE RA 12	-49.8	-12903	149499	-56384	SLE RA 12	-656	Si
1290	-17125	178015	-56277	SLE RA 12	-53.2	-17125	178015	-56277	SLE RA 12	-689	Si
1310	-104588	-197095	-40942	SLE RA 12	-52.5	-104588	-197095	-40942	SLE RA 12	-648	Si
1339	-77120	-164849	-40834	SLE RA 12	-47	-77120	-164849	-40834	SLE RA 12	-590.4	Si
1368	-49653	-132602	-40725	SLE RA 12	-41.5	-49653	-132602	-40725	SLE RA 12	-532.7	Si
1397	-22186	-100355	-40616	SLE RA 12	-35.9	-22186	-100355	-40616	SLE RA 12	-475.1	Si
1426	6426	-68142	-40496	SLE RA 13	-31.2	6426	-68142	-40496	SLE RA 13	-426.9	Si
1455	33694	-35930	-40388	SLE RA 13	-29.5	33694	-35930	-40388	SLE RA 13	-413.6	Si
1484	60962	-3718	-40279	SLE RA 13	-27.7	60962	-3718	-40279	SLE RA 13	-400.2	Si
1513	88230	28495	-40170	SLE RA 13	-32.3	88230	28495	-40170	SLE RA 13	-447.8	Si
1542	115151	60878	-40072	SLE RA 12	-37.6	115498	60707	-40061	SLE RA 13	-503.4	Si
1571	142618	93125	-39964	SLE RA 12	-43	142618	93125	-39964	SLE RA 12	-559.1	Si
1600	169612	124816	-39857	SLE RA 12	-48.3	169612	124816	-39857	SLE RA 12	-613.9	Si
1620	-174755	-213278	-17998	SLE RA 12	-60.4	-175033	-213087	-17993	SLE RA 13	-639.3	Si
1649	-147239	-155166	-17884	SLE RA 13	-44.3	-147239	-155166	-17884	SLE RA 13	-498.4	Si
1678	-119445	-97245	-17775	SLE RA 13	-29.1	-119445	-97245	-17775	SLE RA 13	-353.7	Si
1707	-91651	-39325	-17666	SLE RA 13	-20.8	-91651	-39325	-17666	SLE RA 13	-268.3	Si
1736	-63857	18596	-17558	SLE RA 13	-16.5	-63857	18596	-17558	SLE RA 13	-222.8	Si
1765	-35997	76602	-17455	SLE RA 12	-21	-35997	76602	-17455	SLE RA 12	-261.4	Si
1794	-8246	134578	-17346	SLE RA 12	-25.4	-8246	134578	-17346	SLE RA 12	-300	Si
1823	19505	192554	-17237	SLE RA 12	-32.5	19505	192554	-17237	SLE RA 12	-370.1	Si
1852	47257	250530	-17128	SLE RA 12	-53.2	47257	250530	-17128	SLE RA 12	556.9	Si
1881	75008	308506	-17020	SLE RA 12	-68.8	75008	308506	-17020	SLE RA 12	913.2	Si
1910	102760	366481	-16911	SLE RA 12	-84.5	102760	366481	-16911	SLE RA 12	1287.6	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	-68746	-46224	-108316	SLE QP 2	-60.8	Si
-111	-56074	-40049	-108186	SLE QP 2	-58.5	Si
-81	-43183	-33768	-108054	SLE QP 2	-56.5	Si
-52	-30292	-27486	-107922	SLE QP 2	-55.3	Si
-22	-17401	-21205	-107789	SLE QP 2	-54.1	Si
7	-4510	-14923	-107657	SLE QP 2	-52.8	Si
36	8381	-8642	-107524	SLE QP 2	-52.4	Si
66	21272	-2360	-107392	SLE QP 2	-52.3	Si
95	34163	3921	-107260	SLE QP 2	-53	Si
125	47054	10202	-107127	SLE QP 2	-54.1	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
154	59945	16484	-106995	SLE QP 2	-55.3	Si
184	72836	22765	-106863	SLE QP 2	-56.4	Si
213	85851	29108	-106729	SLE QP 2	-57.5	Si
242	98618	35328	-106598	SLE QP 2	-58.6	Si
272	111509	41610	-106466	SLE QP 2	-59.7	Si
301	124400	47891	-106333	SLE QP 2	-60.9	Si
331	137291	54173	-106201	SLE QP 2	-62	Si
360	149962	60347	-106071	SLE QP 2	-63.1	Si
380	-137708	-126690	-88119	SLE QP 2	-60	Si
409	-121974	-104444	-87989	SLE QP 2	-57.2	Si
438	-106240	-82198	-87858	SLE QP 2	-54.4	Si
467	-90506	-59951	-87728	SLE QP 2	-51.5	Si
496	-74771	-37705	-87597	SLE QP 2	-48.7	Si
525	-59037	-15459	-87467	SLE QP 2	-45.8	Si
554	-43303	6787	-87336	SLE QP 2	-44.2	Si
583	-27569	29033	-87206	SLE QP 2	-45.5	Si
612	-11835	51279	-87075	SLE QP 2	-46.7	Si
641	3900	73526	-86945	SLE QP 2	-48.3	Si
670	19363	95388	-86816	SLE QP 2	-51	Si
690	92322	-74317	-69000	SLE QP 2	-44	Si
719	79322	-61079	-68870	SLE QP 2	-42.1	Si
748	66321	-47841	-68739	SLE QP 2	-40.2	Si
777	53321	-34603	-68609	SLE QP 2	-38.3	Si
806	40321	-21365	-68478	SLE QP 2	-36.4	Si
835	27321	-8126	-68348	SLE QP 2	-34.6	Si
864	14320	5112	-68217	SLE QP 2	-33.6	Si
893	1320	18350	-68087	SLE QP 2	-34.1	Si
922	-11680	31588	-67956	SLE QP 2	-35.8	Si
951	-24680	44826	-67826	SLE QP 2	-37.5	Si
980	-37680	58064	-67695	SLE QP 2	-37.3	Si
1000	14807	-96759	-49811	SLE QP 2	-38.9	Si
1029	12699	-72307	-49705	SLE QP 2	-36.8	Si
1058	10553	-47425	-49596	SLE QP 2	-34.5	Si
1087	8408	-22544	-49487	SLE QP 2	-31.5	Si
1116	6263	2338	-49378	SLE QP 2	-29	Si
1145	4118	27219	-49270	SLE QP 2	-31.6	Si
1174	1973	52100	-49161	SLE QP 2	-34.1	Si
1203	-172	76982	-49052	SLE QP 2	-36.7	Si
1232	-2317	101863	-48943	SLE QP 2	-39.5	Si
1261	-4462	126745	-48835	SLE QP 2	-42.4	Si
1290	-6571	151197	-48728	SLE QP 2	-45.2	Si
1310	-90680	-168960	-34969	SLE QP 2	-45	Si
1339	-67634	-140816	-34861	SLE QP 2	-40.2	Si
1368	-44588	-112673	-34752	SLE QP 2	-35.5	Si
1397	-21542	-84529	-34643	SLE QP 2	-30.7	Si
1426	1504	-56385	-34534	SLE QP 2	-26.2	Si
1455	24551	-28242	-34426	SLE QP 2	-24.6	Si
1484	47597	-98	-34317	SLE QP 2	-23	Si
1513	70643	28046	-34208	SLE QP 2	-27.6	Si
1542	93689	56189	-34099	SLE QP 2	-32.2	Si
1571	116735	84333	-33991	SLE QP 2	-36.8	Si
1600	139384	111991	-33884	SLE QP 2	-41.4	Si
1620	-145363	-177244	-14983	SLE QP 2	-50.2	Si
1649	-121792	-130276	-14875	SLE QP 2	-37.1	Si
1678	-98222	-83308	-14766	SLE QP 2	-24.4	Si
1707	-74652	-36340	-14657	SLE QP 2	-17.6	Si
1736	-51081	10628	-14548	SLE QP 2	-13	Si
1765	-27511	57596	-14440	SLE QP 2	-16.5	Si
1794	-3940	104564	-14331	SLE QP 2	-20.1	Si
1823	19630	151531	-14222	SLE QP 2	-26.3	Si
1852	43200	198499	-14113	SLE QP 2	-42.7	Si
1881	66771	245467	-14005	SLE QP 2	-55.5	Si
1910	90341	292435	-13896	SLE QP 2	-68.5	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-140	-71993	-40676	-101647										No	Si
-111	-59697	-35062	-101517										No	Si
-81	-47189	-29351	-101384										No	Si
-52	-34681	-23640	-101252										No	Si
-22	-22173	-17929	-101120										No	Si
7	-9665	-12218	-100987										No	Si
36	2843	-6507	-100855										No	Si
66	15351	-796	-100722										No	Si
95	27860	4915	-100590										No	Si
125	40368	10626	-100458										No	Si
154	52876	16337	-100325										No	Si
184	65384	22047	-100193										No	Si
213	78013	27814	-100059										No	Si
242	90400	33469	-99928										No	Si
272	102908	39180	-99796										No	Si
301	115417	44891	-99664										No	Si
331	127925	50602	-99531										No	Si
360	140220	56216	-99401										No	Si
380	-121566	-120433	-82618										No	Si
409	-107208	-99242	-82488										No	Si
438	-92849	-78051	-82357										No	Si
467	-78491	-56860	-82227										No	Si
496	-64132	-35669	-82096										No	Si
525	-49774	-14479	-81966										No	Si
554	-35415	6712	-81835										No	Si
583	-21057	27903	-81705										No	Si
612	-6699	49094	-81574										No	Si
641	7660	70285	-81444										No	Si
670	21771	91110	-81315										No	Si
690	78168	-71278	-64665										No	Si

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
719	67382	-58499	-64535										No	Si
748	56597	-45720	-64404										No	Si
777	45812	-32941	-64274										No	Si
806	35026	-20162	-64143										No	Si
835	24241	-7383	-64013										No	Si
864	13455	5397	-63882										No	Si
893	2670	18176	-63752										No	Si
922	-8115	30955	-63621										No	Si
951	-18901	43734	-63491										No	Si
980	-29686	56513	-63360										No	Si
1000	10319	-91026	-46650										No	Si
1029	9066	-68221	-46543										No	Si
1058	7792	-45016	-46435										No	Si
1087	6517	-21811	-46326										No	Si
1116	5243	1394	-46217										No	Si
1145	3968	24599	-46108										No	Si
1174	2694	47804	-46000										No	Si
1203	1420	71009	-45891										No	Si
1232	145	94214	-45782										No	Si
1261	-1129	117419	-45673										No	Si
1290	-2382	140224	-45566										No	Si
1310	-94663	-176569	-36635										No	Si
1339	-63607	-131564	-32419										No	Si
1368	-42471	-104570	-32253										No	Si
1397	-21353	-78082	-32144										No	Si
1426	-234	-51594	-32036										No	Si
1455	20884	-25106	-31927										No	Si
1484	42002	1383	-31818										No	Si
1513	63120	27871	-31709										No	Si
1542	84238	54359	-31601										No	Si
1571	105356	80847	-31492										No	Si
1600	148234	115400	-35550										No	Si
1620	-153681	-186660	-15816										No	Si
1649	-128912	-136781	-15708										No	Si
1678	-104143	-86902	-15599										No	Si
1707	-67696	-35564	-13447										No	Si
1736	-45795	7286	-13299										No	Si
1765	-29836	62735	-15273										No	Si
1794	-5067	112614	-15164										No	Si
1823	19701	162493	-15055										No	Si
1852	44470	212371	-14946										No	Si
1881	69239	262250	-14838										No	Si
1910	94008	312129	-14729	SLE FR 6	85070	282452	282452	1090.9	348.6	0.0231	29.03	0.0092	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-140	-71993	-40676	-101647										No	Si
-111	-59697	-35062	-101517										No	Si
-81	-47189	-29351	-101384										No	Si
-52	-34681	-23640	-101252										No	Si
-22	-22173	-17929	-101120										No	Si
7	-9665	-12218	-100987										No	Si
36	2843	-6507	-100855										No	Si
66	15351	-796	-100722										No	Si
95	27860	4915	-100590										No	Si
125	40368	10626	-100458										No	Si
154	52876	16337	-100325										No	Si
184	65384	22047	-100193										No	Si
213	78013	27814	-100059										No	Si
242	90400	33469	-99928										No	Si
272	102908	39180	-99796										No	Si
301	115417	44891	-99664										No	Si
331	127925	50602	-99531										No	Si
360	140220	56216	-99401										No	Si
380	-121566	-120433	-82618										No	Si
409	-107208	-99242	-82488										No	Si
438	-92849	-78051	-82357										No	Si
467	-78491	-56860	-82227										No	Si
496	-64132	-35669	-82096										No	Si
525	-49774	-14479	-81966										No	Si
554	-35415	6712	-81835										No	Si
583	-21057	27903	-81705										No	Si
612	-6699	49094	-81574										No	Si
641	7660	70285	-81444										No	Si
670	21771	91110	-81315										No	Si
690	78168	-71278	-64665										No	Si
719	67382	-58499	-64535										No	Si
748	56597	-45720	-64404										No	Si
777	45812	-32941	-64274										No	Si
806	35026	-20162	-64143										No	Si
835	24241	-7383	-64013										No	Si
864	13455	5397	-63882										No	Si
893	2670	18176	-63752										No	Si
922	-8115	30955	-63621										No	Si
951	-18901	43734	-63491										No	Si
980	-29686	56513	-63360										No	Si
1000	10319	-91026	-46650										No	Si
1029	9066	-68221	-46543										No	Si
1058	7792	-45016	-46435										No	Si
1087	6517	-21811	-46326										No	Si
1116	5243	1394	-46217										No	Si
1145	3968	24599	-46108										No	Si
1174	2694	47804	-46000										No	Si
1203	1420	71009	-45891										No	Si
1232	145	94214	-45782										No	Si
1261	-1129	117419	-45673										No	Si

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1290	-2382	140224	-45566										No	Si
1310	-90680	-168960	-34969										No	Si
1339	-63589	-131059	-32362										No	Si
1368	-42471	-104570	-32253										No	Si
1397	-21353	-78082	-32144										No	Si
1426	-234	-51594	-32036										No	Si
1455	20884	-25106	-31927										No	Si
1484	42002	1383	-31818										No	Si
1513	63120	27871	-31709										No	Si
1542	84238	54359	-31601										No	Si
1571	105356	80847	-31492										No	Si
1600	139384	111991	-33884										No	Si
1620	-145363	-177244	-14983										No	Si
1649	-121792	-130276	-14875										No	Si
1678	-98222	-83308	-14766										No	Si
1707	-67568	-35316	-13407										No	Si
1736	-45795	7286	-13299										No	Si
1765	-24023	49887	-13190										No	Si
1794	-3940	104564	-14331										No	Si
1823	19630	151531	-14222										No	Si
1852	43200	198499	-14113										No	Si
1881	66771	245467	-14005										No	Si
1910	90341	292435	-13896	SLE QP 2	86972	281529	281529	1021	349.5	0.023	29.11	0.0087	Si	Si

Verifiche nodi trave colonna

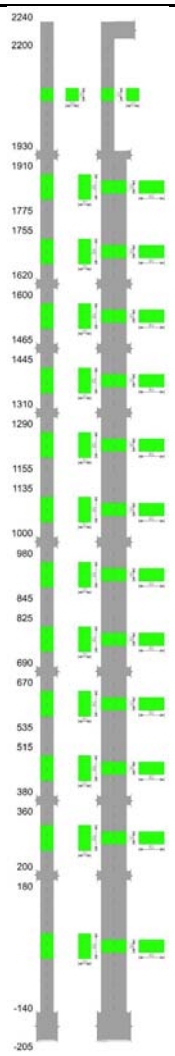
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.

Pilastro 63

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	180	R 30x60	No	No	No	No		C30/37	B450C	
200	360	R 30x60	No	No	No	No		C30/37	B450C	
380	515	R 30x60	No	No	No	No		C30/37	B450C	
535	670	R 30x60	No	No	No	No		C30/37	B450C	
690	825	R 30x60	No	No	No	No		C30/37	B450C	
845	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1135	R 30x60	No	No	No	No		C30/37	B450C	
1155	1290	R 30x60	No	No	No	No		C30/37	B450C	
1310	1445	R 30x60	No	No	No	No		C30/37	B450C	
1465	1600	R 30x60	No	No	No	No		C30/37	B450C	
1620	1755	R 30x60	No	No	No	No		C30/37	B450C	
1775	1910	R 30x60	No	No	No	No		C30/37	B450C	
1930	2200	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-17.13	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	8.57	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	17.13	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-17.13	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	8.57	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	17.13	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-17.13	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-8.57	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	8.57	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	17.13	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-17.13	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-8.57	1.6	2.011	-140	380	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	8.57	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	17.13	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-17.13	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-8.57	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	8.57	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	17.13	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-17.13	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-8.57	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	8.57	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	17.13	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	-17.13	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	-8.57	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	8.57	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	17.13	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	-17.13	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	-8.57	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	8.57	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	17.13	1.6	2.011	690	1000	R 30x60	B450C
p.5	-9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	-17.13	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	-8.57	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	8.57	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	17.13	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	-17.13	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	-8.57	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	8.57	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	17.13	1.6	2.011	1000	1310	R 30x60	B450C
p.6	-9.67	-24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.67	-24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.67	24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.67	24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.9	-17.13	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.9	-8.57	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.9	0	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.9	8.57	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.9	17.13	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.9	-17.13	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.9	-8.57	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.9	0	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.9	8.57	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.9	17.13	1.6	2.011	1310	1620	R 30x60	B450C
p.7	-9.67	-24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.7	9.67	-24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.8	9.67	24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.8	-9.67	24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.7	-9.9	-17.13	1.6	2.011	1620	1910	R 30x60	B450C
p.7	-9.9	-8.57	1.6	2.011	1620	1910	R 30x60	B450C
p.7	9.9	-17.13	1.6	2.011	1620	1910	R 30x60	B450C
p.7	9.9	-8.57	1.6	2.011	1620	1910	R 30x60	B450C
p.10	-9.9	0	1.6	2.011	1620	1910	R 30x60	B450C
p.10	-9.9	8.57	1.6	2.011	1620	1910	R 30x60	B450C
p.10	-9.9	17.13	1.6	2.011	1620	1910	R 30x60	B450C
p.10	9.9	0	1.6	2.011	1620	1910	R 30x60	B450C
p.10	9.9	8.57	1.6	2.011	1620	1910	R 30x60	B450C
p.10	9.9	17.13	1.6	2.011	1620	1910	R 30x60	B450C
p.17	-9.67	-24.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.17	9.67	-24.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.17	9.67	-5.33	1.6	2.011	1920	2240	R 30x30_1	B450C
p.17	-9.67	-5.33	1.6	2.011	1920	2240	R 30x30_1	B450C
p.18	-9.9	-15	1.6	2.011	1926.5	2240	R 30x30_1	B450C
p.18	9.9	-15	1.6	2.011	1926.5	2240	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	28.15	3.1	0	1,2	475185	270880	-135440	1177007	670954	SLU 52	2.477	Si
-111	28.15	3.1	0	1,2	400199	270545	-135273	1009641	682543	SLU 52	2.523	Si
-82	28.15	1.6	0	2	323902	270205	-135102	830839	693099	SLU 52	2.565	Si
-53	28.15	1.6	0	2	270491	270491	-135245	699019	699019	SLU 51	2.584	Si
-24	28.15	1.6	0	2	270151	270151	-135075	699019	699019	SLU 51	2.588	Si
5	28.15	1.6	0	2	269810	269810	-134905	699019	699019	SLU 51	2.591	Si
35	28.15	1.6	0	2	269470	-269470	-134735	699019	-699019	SLU 51	2.594	Si
64	28.15	1.6	0	2	-269130	-269130	-134565	-699019	-699019	SLU 51	2.597	Si
93	28.15	1.6	0	2	-268789	-268789	-134395	-699019	-699019	SLU 51	2.601	Si
122	28.15	1.6	0	2	-268449	-268449	-134224	-699019	-699019	SLU 51	2.604	Si
151	28.15	1.6	0	2	-277367	-268108	-134054	-722234	-698125	SLU 51	2.604	Si
180	28.15	1.6	0	2	-361459	-267147	-133574	-930058	-687388	SLU 52	2.573	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
200	28.15	1.6	0	2	-254863	254863	-127431	-699019	699019	SLU 51	2.743	Si
232	28.15	1.6	0	2	-254494	254494	-127247	-699019	699019	SLU 51	2.747	Si
264	28.15	1.6	0	2	-254120	254120	-127060	-699019	699019	SLU 51	2.751	Si
296	28.15	1.6	0	2	253745	253745	-126873	699019	699019	SLU 51	2.755	Si
328	28.15	1.6	0	2	253371	253371	-126685	699019	699019	SLU 51	2.759	Si
360	28.15	1.6	0	2	253002	253002	-126501	699019	699019	SLU 51	2.763	Si
380	28.15	3.1	0	2,3	234932	-234932	-117466	699019	-699019	SLU 51	2.975	Si
414	28.15	3.1	0	2,3	234537	-234537	-117268	699019	-699019	SLU 51	2.98	Si
448	28.15	1.6	0	3	234142	-234142	-117071	699019	-699019	SLU 51	2.985	Si
481	28.15	1.6	0	3	-233747	-233747	-116873	-699019	-699019	SLU 51	2.99	Si
515	28.15	1.6	0	3	-233358	-233358	-116679	-699019	-699019	SLU 51	2.995	Si
535	28.15	1.6	0	3	220238	220238	-110119	699019	699019	SLU 51	3.174	Si
569	28.15	1.6	0	3	219843	219843	-109921	699019	699019	SLU 51	3.18	Si
603	28.15	1.6	0	3	227228	219448	-109724	722851	698101	SLU 51	3.181	Si
636	28.15	1.6	0	3	241623	219053	-109527	768062	696318	SLU 51	3.179	Si
670	28.15	1.6	0	3	255804	218664	-109332	812057	694154	SLU 51	3.175	Si
690	28.15	3.1	0	3,4	-179229	-179229	-89615	-699019	-699019	SLU 51	3.9	Si
724	28.15	3.1	0	3,4	-178835	-178835	-89417	-699019	-699019	SLU 51	3.909	Si
758	28.15	1.6	0	4	-180934	-178440	-89220	-708425	-698658	SLU 51	3.915	Si
791	28.15	1.6	0	4	-202727	-178045	-89022	-791673	-695287	SLU 51	3.905	Si
825	28.15	1.6	0	4	-224196	-177656	-88828	-871723	-690763	SLU 51	3.888	Si
845	28.15	1.6	0	4	163989	163989	-81995	699019	699019	SLU 51	4.263	Si
879	28.15	1.6	0	4	163600	163600	-81800	699019	699019	SLU 51	4.273	Si
913	28.15	1.6	0	4	207701	163206	-81603	878585	690369	SLU 51	4.23	Si
946	28.15	1.6	0	4	254414	176623	-81093	1051684	730118	SLU 52	4.134	Si
980	28.15	1.6	0	4	301223	189325	-80895	1210840	761037	SLU 52	4.02	Si
1000	28.15	3.1	0	4,5	-122678	-151245	-61339	-674076	-831038	SLU 51	5.495	Si
1034	28.15	3.1	0	4,5	-122404	-152248	-61145	-673374	-837552	SLU 51	5.501	Si
1068	28.15	1.6	0	5	-177092	-153267	-60947	-956403	-827732	SLU 51	5.401	Si
1101	28.15	1.6	0	5	-231780	-154285	-60750	-1220204	-812235	SLU 51	5.265	Si
1135	28.15	1.6	0	5	-286467	-155304	-60552	-1462542	-792895	SLU 51	5.105	Si
1155	28.15	1.6	0	5	106886	125876	-53443	680040	800858	SLU 51	6.362	Si
1189	28.15	1.6	0	5	106492	116259	-53246	689100	752303	SLU 51	6.471	Si
1223	28.15	1.6	0	5	106097	106642	-53048	698454	702041	SLU 51	6.583	Si
1256	28.15	1.6	0	5	105702	105702	-52851	699019	699019	SLU 51	6.613	Si
1290	28.15	1.6	0	5	105313	105313	-52656	699019	699019	SLU 51	6.638	Si
1310	28.15	3.1	0	5,6	201825	-85767	-42884	1511904	-642495	SLU 51	7.491	Si
1344	28.15	3.1	0	5,6	97976	-90659	-42686	789896	-730905	SLU 51	8.062	Si
1378	28.15	1.6	0	6	-84977	-108625	-42489	-669166	-855383	SLU 51	7.875	Si
1411	28.15	1.6	0	6	-109723	-126591	-42291	-829321	-956820	SLU 51	7.558	Si
1445	28.15	1.6	0	6	-212033	-144291	-42097	-1448924	-986010	SLU 51	6.833	Si
1465	28.15	1.6	0	6	124481	142147	-34585	1028695	1174684	SLU 51	8.264	Si
1499	28.15	1.6	0	6	98351	120871	-34388	872784	1072638	SLU 51	8.874	Si
1533	28.15	1.6	0	6	72220	99596	-34190	685620	945510	SLU 51	9.493	Si
1566	28.15	1.6	0	6	67780	79469	-33890	680582	797955	SLU 52	10.041	Si
1600	28.15	1.6	0	6	67597	67597	-33798	699019	699019	SLU 51	10.341	Si
1620	28.15	3.1	0	6,7,8,10	122994	-48957	-24479	1595014	-634888	SLU 51	12.968	Si
1654	28.15	3.1	0	6,7,8,10	48562	-76576	-24281	637908	-1005893	SLU 51	13.136	Si
1688	28.15	1.6	0	7,8,10	-52759	-106871	-24084	-629890	-1275929	SLU 51	11.939	Si
1721	28.15	1.6	0	7,8,10	-140636	-137166	-23886	-1385711	-1351523	SLU 51	9.853	Si
1755	28.15	1.6	0	7,8,10	-227211	-167013	-23692	-1822047	-1339306	SLU 51	8.019	Si
1775	28.15	1.6	0	7,8,10	129476	118027	-16150	1573398	1434270	SLU 52	12.152	Si
1809	28.15	1.6	0	7,8,10	113295	114263	-15956	1449958	1462343	SLU 52	12.798	Si
1843	28.15	1.6	0	7,8,10	96870	110442	-15758	1306944	1490042	SLU 52	13.492	Si
1876	28.15	1.6	0	7,8,10	80446	106620	-15561	1144655	1517091	SLU 52	14.229	Si
1910	53.71	4.2	0	7,8,9,10,11,12,13,14,15,16	64021	102799	-15364	1162882	1867246	SLU 52	18.164	Si
1930	29.1	4.5	0	7,9,11,12,13,14,15,16,17,18	165874	-75925	-4980	1062360	-486271	SLU 51	6.405	Si
1960	12.44	4.5	0	7,9,11,12,13,14,15,16,17,18	116182	-68264	-4894	604548	-355210	SLU 51	5.203	Si
1990	12.06	1.3	0	17,18	65647	-60473	-4806	535590	-493379	SLU 51	8.159	Si
2020	12.06	1.3	0	17,18	15112	-52682	-4718	240875	-839704	SLU 51	15.939	Si
2050	12.06	1.3	0	17,18	-35422	-44891	-4630	-483254	-612438	SLU 51	13.643	Si
2080	12.06	1.3	0	17,18	-85957	-37101	-4543	-670801	-289530	SLU 51	7.804	Si
2110	12.06	1.3	0	17,18	-136492	-29310	-4455	-673307	-144584	SLU 51	4.933	Si
2140	12.06	1.3	0	17,18	-187026	-21519	-4367	-653015	-75135	SLU 51	3.492	Si
2170	12.06	1.3	0	17,18	-237561	-13728	-4279	-629618	-36384	SLU 51	2.65	Si
2200	12.06	1.3	0	17,18	-288096	-8383	-4192	-610147	-17754	SLU 51	2.118	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	28.15	3.1	0	1,2	1736415	123106	-106016	-2.02	1.92	2709969	192128	SLV 9	1.561				Si
-111	28.15	3.1	0	1,2	1521237	110168	-105888	-2.02	1.92	2640096	191196	SLV 9	1.735				Si
-82	28.15	1.6	0	2	1302314	-12560	-105757	-2.02	1.92	2642430	-25485	SLV 9	2.029				Si
-53	28.15	1.6	0	2	1083416	-152180	-105626	-2.02	1.92	2248859	-315883	SLV 9	2.076				Si
-24	28.15	1.6	0	2	864564	-147927	-105495	-2.02	1.92	1984023	-339467	SLV 9	2.295				Si
5	28.15	1.6	0	2	645795	-144630	-105364	-2.02	1.92	1633628	-365861	SLV 9	2.53				Si
35	28.15	1.6	0	2	427226	-142559	-105233	-2.02	1.92	1193351	-398204	SLV 9	2.793				Si
64	28.15	1.6	0	2	209290	-141918	-105102	-2.02	1.92	649127	-440168	SLV 9	3.102				Si
93	28.15	1.6	0	2	-17834	-85264	-115512	-2.02	1.92	-55696	-266277	SLV 5	3.123				Si
122	28.15	1.6	0	2	-205218	-101651	-115381	-2.02	1.92	-613717	-303993	SLV 5	2.991				Si
151	28.15	1.6	0	2	-375722	-118733	-115250	-2.02	1.92	-1024732	-323828	SLV 5	2.727				Si
180	28.15	1.6	0	2	-666690	-162313	-104581	-2.02	1.92	-1659103	-403926	SLV 9	2.489				Si
200	28.15	1.6	0	2	-170745	225580	-97516	-2.02	1.92	-527076	696347	SLV 5	3.087				Si
232	28.15	1.6	0	2	-111203	74823	-105811	-2.02	1.92	-379124	255095	SLV 9	3.409				Si
264	28.15	1.6	0	2	59599	61546	-105667	-2.02	1.92	203468	210115	SLV 9	3.414				Si
296	28.15	1.6	0	2	197211	69649	-105523	-2.02	1.92	655590	231533	SLV 9	3.324				Si
328	28.15	1.6	0	2	308905	90101	-105379	-2.02	1.92	951896	277647	SLV 9	3.082				Si
360	28.15	1.6	0	2	310445	159566	-98295	-2.02	1.92	948196	487365	SLV 13	3.054				Si
380	28.15	3.1	0	2,3	574416	-110717	-90545	-2.02	1.92	1692013	-326129	SLV 9	2.946				Si
414	28.15	3.1	0	2,3	261249	-82364	-99186	-2.02	1.92	871159	-274650	SLV 5	3.335				Si
448	28.15	1.6	0	3	63471	-116903	-99035	-2.02	1.92	227585	-419177	SLV 5	3.586				Si
481	28.15	1.6	0	3	-159755	-146114	-98883	-2.02	1.92	-530016	-484757	SLV 5	3.318				Si
515	28.15	1.6	0	3	-348217	-179664	-98733	-2.02	1.92	-1023493	-528076	SLV 5	2.939				Si
535	28.15	1.6	0	3	30937	125414	-88943	-2.02	1.92	122088	494931	SLV 9	3.946				Si
569	28.15	1.6	0	3	241215	132314	-88791	-2.02	1.92	843093	462465	SLV 9	3.495				Si
603	28.15	1.6	0	3	296275	163171	-88639	-2.02	1.92	976596	537853	SLV 9	3.296				Si
636	28.15	1.6	0	3	369484	187644	-88487	-2.02	1.92	1148610	583326	SLV 9	3.109				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
670	28.15	1.6	0	3	448298	223373	-88337	-2.02	1.92	1300523	648010	SLV 9	2.901				Si
690	28.15	3.1	0	3,4	333785	-58950	-69346	-2.02	1.92	1417677	-250379	SLV 9	4.247				Si
724	28.15	3.1	0	3,4	120868	-148187	-69194	-2.02	1.92	534394	-655180	SLV 9	4.421				Si
758	28.15	1.6	0	4	-181375	-119102	-76047	-2.02	1.92	-747156	-490628	SLV 5	4.119				Si
791	28.15	1.6	0	4	-313570	-160635	-75895	-2.02	1.92	-1139099	-583537	SLV 5	3.633				Si
825	28.15	1.6	0	4	-473717	-197052	-75745	-2.02	1.92	-1514177	-629853	SLV 5	3.196				Si
845	28.15	1.6	0	4	-54289	176923	-60995	-2.02	1.92	-262870	856668	SLV 5	4.842				Si
879	28.15	1.6	0	4	-47394	111683	-65676	-2.02	1.92	-241423	568908	SLV 9	5.094				Si
913	28.15	1.6	0	4	212129	140606	-65524	-2.02	1.92	926378	614034	SLV 9	4.367				Si
946	28.15	1.6	0	4	267808	178402	-65372	-2.02	1.92	1077520	717797	SLV 9	4.023				Si
980	28.15	1.6	0	4	410456	229020	-65221	-2.02	1.92	1416727	790483	SLV 9	3.452				Si
1000	28.15	3.1	0	4,5	-365217	-171278	-21470	-2.02	1.92	-1818961	-853049	SLV 11	4.98				Si
1034	28.15	3.1	0	4,5	97321	-116689	-53085	-2.02	1.92	555812	-666425	SLV 5	5.711				Si
1068	28.15	1.6	0	5	-236672	-149384	-47785	-2.02	1.92	-1217299	-768339	SLV 9	5.143				Si
1101	28.15	1.6	0	5	-341038	-178657	-52781	-2.02	1.92	-1458658	-764138	SLV 5	4.277				Si
1135	28.15	1.6	0	5	-633681	-155407	-47481	-2.02	1.92	-2230980	-547137	SLV 9	3.521				Si
1155	28.15	1.6	0	5	-91240	215314	-39857	-2.02	1.92	-516313	1218428	SLV 5	5.659				Si
1189	28.15	1.6	0	5	-54677	162373	-39705	-2.02	1.92	-359876	1068711	SLV 5	6.582				Si
1223	28.15	1.6	0	5	-37195	132690	-42588	-2.02	1.92	-253080	902842	SLV 9	6.804				Si
1256	28.15	1.6	0	5	137284	150796	-42436	-2.02	1.92	824262	905390	SLV 9	6.004				Si
1290	28.15	1.6	0	5	240597	193703	-42286	-2.02	1.92	1204705	969896	SLV 9	5.007				Si
1310	28.15	3.1	0	5,6	408625	53047	-36081	-2.02	1.92	2353626	305542	SLV 5	5.76				Si
1344	28.15	3.1	0	5,6	188447	8375	-35929	-2.02	1.92	1578957	70175	SLV 5	8.379				Si
1378	28.15	1.6	0	6	-90502	-114287	-35777	-2.02	1.92	-682822	-862275	SLV 5	7.545				Si
1411	28.15	1.6	0	6	-264251	-158744	-35625	-2.02	1.92	-1475297	-886256	SLV 5	5.583				Si
1445	28.15	1.6	0	6	-576685	-144370	-32115	-2.02	1.92	-2276338	-569871	SLV 9	3.947				Si
1465	28.15	1.6	0	6	103971	271453	-20033	-2.02	1.92	564567	1474004	SLV 1	5.43				Si
1499	28.15	1.6	0	6	83550	192154	-19881	-2.02	1.92	615566	1415726	SLV 1	7.368				Si
1533	28.15	1.6	0	6	-41146	121130	-25577	-2.02	1.92	-394334	1160873	SLV 9	9.584				Si
1566	28.15	1.6	0	6	78888	116704	-25425	-2.02	1.92	728263	1077372	SLV 9	9.232				Si
1600	28.15	1.6	0	6	90019	143043	-25276	-2.02	1.92	748884	1189997	SLV 9	8.319				Si
1620	28.15	3.1	0	6,7,8,10	268700	37734	-19399	-2.02	1.92	2469279	346767	SLV 5	9.19				Si
1654	28.15	3.1	0	6,7,8,10	62117	-93227	-15805	-2.02	1.92	797969	-1197613	SLV 3	12.846				Si
1688	28.15	1.6	0	7,8,10	-145554	-118858	-19095	-2.02	1.92	-1302637	-1063718	SLV 5	8.949				Si
1721	28.15	1.6	0	7,8,10	-310741	-177189	-18944	-2.02	1.92	-1653380	-942783	SLV 5	5.321				Si
1755	28.15	1.6	0	7,8,10	-620761	-148833	-17196	-2.02	1.92	-2247928	-538960	SLV 9	3.621				Si
1775	28.15	1.6	0	7,8,10	235607	118140	-8403	-2.02	1.92	1720391	862652	SLV 3	7.302				Si
1809	28.15	1.6	0	7,8,10	-121654	119477	-10386	-2.02	1.92	-1198589	1177146	SLV 9	9.852				Si
1843	28.15	1.6	0	7,8,10	53031	151850	-10571	-2.02	1.92	522596	1496419	SLV 13	9.855				Si
1876	28.15	1.6	0	7,8,10	73255	205186	-10419	-2.02	1.92	537482	1505485	SLV 13	7.337				Si
1910	53.71	4.2	0	7,8,9,10,11,12,13,14,15,16	60587	262383	-10267	-2.02	1.92	417577	1808402	SLV 13	6.892				Si
1930	29.1	4.5	0	7,9,11,12,13,14,15,16,17,18	114522	-121239	-2717	-2.02	1.92	558470	-591230	SLV 3	4.877				Si
1960	12.44	4.5	0	7,9,11,12,13,14,15,16,17,18	81520	-109152	-2651	-2.02	1.92	294347	-394119	SLV 3	3.611				Si
1990	12.06	1.3	0	17,18	48064	-96860	-2583	-2.02	1.92	234021	-471606	SLV 3	4.869				Si
2020	12.06	1.3	0	17,18	15022	-84568	-2516	-2.02	1.92	109992	-619212	SLV 3	7.322				Si
2050	12.06	1.3	0	17,18	-8447	-76102	-2436	-2.02	1.92	-74287	-669250	SLV 7	8.794				Si
2080	12.06	1.3	0	17,18	-78307	19771	-2800	-2.02	1.92	-520855	131506	SLV 9	6.651				Si
2110	12.06	1.3	0	17,18	-126320	15969	-2733	-2.02	1.92	-480671	60765	SLV 9	3.805				Si
2140	12.06	1.3	0	17,18	-174475	12169	-2665	-2.02	1.92	-462352	32247	SLV 9	2.65				Si
2170	12.06	1.3	0	17,18	-222676	8374	-2598	-2.02	1.92	-451950	16996	SLV 9	2.03				Si
2200	12.06	1.3	0	17,18	-270898	4600	-2530	-2.02	1.92	-445396	7563	SLV 9	1.644				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	28.15	3.1	0	1,2	842893	88311	-91900	2185150	228942	SLD 9	2.592	Si
-111	28.15	3.1	0	1,2	590625	140233	-95891	1629017	386781	SLD 5	2.758	Si
-82	28.15	1.6	0	2	497448	79105	-95760	1503935	239159	SLD 5	3.023	Si
-53	28.15	1.6	0	2	507700	-40350	-91510	1621462	-128867	SLD 9	3.194	Si
-24	28.15	1.6	0	2	395362	-45458	-91379	1341726	-154268	SLD 9	3.394	Si
5	28.15	1.6	0	2	283069	-50951	-91248	1023642	-184250	SLD 9	3.616	Si
35	28.15	1.6	0	2	124874	-22954	-95237	473001	-86946	SLD 5	3.788	Si
64	28.15	1.6	0	2	31919	-35224	-95106	121071	-133606	SLD 5	3.793	Si
93	28.15	1.6	0	2	-55915	-48000	-94975	-212381	-182319	SLD 5	3.798	Si
122	28.15	1.6	0	2	-156132	-61222	-94844	-585795	-229699	SLD 5	3.752	Si
151	28.15	1.6	0	2	-248614	-74692	-94713	-871866	-261938	SLD 5	3.507	Si
180	28.15	1.6	0	2	-390673	-98839	-90465	-1279740	-323770	SLD 9	3.276	Si
200	28.15	1.6	0	2	-113025	122431	-85507	-441991	478774	SLD 5	3.911	Si
232	28.15	1.6	0	2	-74453	60271	-88682	-302859	245172	SLD 9	4.068	Si
264	28.15	1.6	0	2	18739	52253	-88538	76351	212899	SLD 9	4.074	Si
296	28.15	1.6	0	2	88625	53613	-88394	361681	218796	SLD 9	4.081	Si
328	28.15	1.6	0	2	147980	57955	-88250	594973	233015	SLD 9	4.021	Si
360	28.15	1.6	0	2	164713	80796	-85392	655915	321744	SLD 13	3.982	Si
380	28.15	3.1	0	2,3	297940	-76836	-78835	1161800	-299617	SLD 9	3.899	Si
414	28.15	3.1	0	2,3	150595	-65693	-82140	635749	-277329	SLD 5	4.222	Si
448	28.15	1.6	0	3	48354	-82028	-81988	212751	-360915	SLD 5	4.4	Si
481	28.15	1.6	0	3	-70913	-95676	-81836	-304632	-411009	SLD 5	4.296	Si
515	28.15	1.6	0	3	-169012	-111462	-81687	-670922	-442467	SLD 5	3.97	Si
535	28.15	1.6	0	3	72964	96009	-75655	333811	439241	SLD 9	4.575	Si
569	28.15	1.6	0	3	178293	102906	-75503	754584	435525	SLD 9	4.232	Si
603	28.15	1.6	0	3	203383	120600	-75352	830102	492227	SLD 9	4.081	Si
636	28.15	1.6	0	3	235764	135429	-75200	928011	533072	SLD 9	3.936	Si
670	28.15	1.6	0	3	270850	154537	-75050	1022963	583665	SLD 9	3.777	Si
690	28.15	3.1	0	3,4	-240341	-105881	-48519	-1310772	-577454	SLD 7	5.454	Si
724	28.15	3.1	0	3,4	-29164	-99508	-62969	-158785	-541771	SLD 5	5.444	Si
758	28.15	1.6	0	4	-140098	-98256	-62817	-704064	-493787	SLD 5	5.026	Si
791	28.15	1.6	0	4	-195772	-112665	-62665	-925450	-532589	SLD 5	4.727	Si
825	28.15	1.6	0	4	-264965	-125389	-62515	-1173222	-555202	SLD 5	4.428	Si
845	28.15	1.6	0	4	10187	117079	-54370	61156	702838	SLD 5	6.003	Si
879	28.15	1.6	0	4	45394	108936	-54220	269993	647935	SLD 5	5.948	Si
913	28.15	1.6	0	4	164068	111628	-56021	860913	585744	SLD 9	5.247	Si
946	28.15	1.6	0	4	203584	131578	-55869	1006828	650723	SLD 9	4.946	Si
980	28.15	1.6	0	4	280982	156591	-55717	1265980	705528	SLD 9	4.506	Si
1000	28.15	3.1	0	4,5	-174584	-127355	-30974	-1243001	-906739	SLD 11	7.12	Si
1034	28.15	3.1	0	4,5	-18817	-114636	-41509	-137867	-839909	SLD 9	7.327	Si
1068	28.15	1.6	0	5	-160176	-113169	-41357	-1027655	-726067	SLD 9	6.416	Si
1101	28.15	1.6	0	5	-214279	-123961	-43277	-1242501	-718793	SLD 5	5.799	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1135	28.15	1.6	0	5	-296375	-139389	-43125	-1542382	-725399	SLD 5	5.204	Si
1155	28.15	1.6	0	5	-23073	131166	-35612	-179851	1022419	SLD 5	7.795	Si
1189	28.15	1.6	0	5	-8359	106568	-35460	-70616	900222	SLD 5	8.447	Si
1223	28.15	1.6	0	5	-45	91594	-36559	-393	794822	SLD 9	8.678	Si
1256	28.15	1.6	0	5	85541	96342	-36407	669401	753927	SLD 9	7.826	Si
1290	28.15	1.6	0	5	132408	111273	-36257	952037	800069	SLD 9	7.19	Si
1310	28.15	3.1	0	5,6	241789	-3556	-30054	2126781	-31275	SLD 5	8.796	Si
1344	28.15	3.1	0	5,6	118271	-27604	-29902	1209987	-282412	SLD 5	10.231	Si
1378	28.15	1.6	0	6	-37833	-85621	-29750	-370742	-839033	SLD 5	9.799	Si
1411	28.15	1.6	0	6	-140766	-107571	-29598	-1131267	-864496	SLD 5	8.037	Si
1445	28.15	1.6	0	6	-247852	-132746	-29449	-1597585	-855645	SLD 5	6.446	Si
1465	28.15	1.6	0	6	83965	156760	-20607	709916	1325386	SLD 1	8.455	Si
1499	28.15	1.6	0	6	68127	118976	-20455	696984	1217202	SLD 1	10.231	Si
1533	28.15	1.6	0	6	4029	85070	-22745	49719	1049737	SLD 9	12.34	Si
1566	28.15	1.6	0	6	52458	76019	-22593	622876	902627	SLD 9	11.874	Si
1600	28.15	1.6	0	6	48563	79030	-22443	576432	938071	SLD 9	11.87	Si
1620	28.15	3.1	0	6,7,8,10	157310	-1521	-16530	2349842	-22717	SLD 5	14.938	Si
1654	28.15	3.1	0	6,7,8,10	40227	-68757	-14962	641101	-1095781	SLD 3	15.937	Si
1688	28.15	1.6	0	7,8,10	-75565	-87188	-16226	-962001	-1109965	SLD 5	12.731	Si
1721	28.15	1.6	0	7,8,10	-172981	-119791	-16074	-1483800	-1027549	SLD 5	8.578	Si
1755	28.15	1.6	0	7,8,10	-269827	-154124	-15924	-1650336	-942666	SLD 5	6.116	Si
1775	28.15	1.6	0	7,8,10	134437	91018	-9139	1508421	1021244	SLD 3	11.22	Si
1809	28.15	1.6	0	7,8,10	132443	44567	-9125	2066412	695351	SLD 7	15.602	Si
1843	28.15	1.6	0	7,8,10	53332	100222	-9835	733700	1378780	SLD 13	13.757	Si
1876	28.15	1.6	0	7,8,10	57557	118991	-9683	684796	1415711	SLD 13	11.898	Si
1910	53.71	4.2	0	7,8,9,10,11,12,13,14,15,16	48706	139727	-9531	594150	1704495	SLD 13	12.199	Si
1930	29.1	4.5	0	7,9,11,12,13,14,15,16,17,18	102406	-80434	-2830	636565	-499985	SLD 3	6.216	Si
1960	12.44	4.5	0	7,9,11,12,13,14,15,16,17,18	72271	-72378	-2763	363469	-364008	SLD 3	5.029	Si
1990	12.06	1.3	0	17,18	41665	-64187	-2696	307876	-474294	SLD 3	7.389	Si
2020	12.06	1.3	0	17,18	11213	-55996	-2628	136851	-683399	SLD 3	12.205	Si
2050	12.06	1.3	0	17,18	-15334	-49116	-2559	-194366	-622562	SLD 7	12.675	Si
2080	12.06	1.3	0	17,18	-39506	-39614	-2493	-389873	-390935	SLD 3	9.869	Si
2110	12.06	1.3	0	17,18	-97010	-1983	-2610	-534575	-10928	SLD 9	5.511	Si
2140	12.06	1.3	0	17,18	-133578	-1268	-2542	-493684	-4687	SLD 9	3.696	Si
2170	12.06	1.3	0	17,18	-170166	-552	-2475	-472360	-1531	SLD 9	2.776	Si
2200	12.06	1.3	0	17,18	-206762	173	-2407	-459061	384	SLD 9	2.22	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	7X/2Y Ø8/10	-1240	-127199	SLU 46	15366	58630	60274	1.9	47.28	-2623	-135440	SLU 52	15029	48390	55356	2.5	18.45	Si
-111	7X/2Y Ø8/10	-1240	-127031	SLU 46	15366	58630	60274	1.9	47.28	-2623	-135273	SLU 52	15029	48390	55356	2.5	18.45	Si
-82	7X/2Y Ø8/10	-1240	-126861	SLU 46	15366	58630	60274	1.9	47.28	-2623	-135102	SLU 52	15029	48390	55356	2.5	18.45	Si
-53	7X/2Y Ø8/10	-1240	-126691	SLU 46	15366	58630	60274	1.9	47.28	-2623	-134932	SLU 52	15029	48390	55356	2.5	18.45	Si
-24	7X/2Y Ø8/14.7	-1240	-126521	SLU 46	15366	50249	51921	2.4	40.52	-2623	-134762	SLU 52	15029	32833	55356	2.5	12.52	Si
5	7X/2Y Ø8/14.7	-1240	-126351	SLU 46	15366	50249	51921	2.4	40.52	-2623	-134592	SLU 52	15029	32833	55356	2.5	12.52	Si
35	7X/2Y Ø8/14.7	-1240	-126180	SLU 46	15366	50249	51921	2.4	40.52	-2623	-134422	SLU 52	15029	32833	55356	2.5	12.52	Si
64	7X/2Y Ø8/14.7	-1240	-126010	SLU 46	15366	50249	51921	2.4	40.52	-2623	-134251	SLU 52	15029	32833	55356	2.5	12.52	Si
93	7X/2Y Ø8/14.7	-1240	-125840	SLU 46	15366	50249	51921	2.4	40.52	-2623	-134081	SLU 52	15029	32833	55356	2.5	12.52	Si
122	7X/2Y Ø8/14.7	-1240	-125670	SLU 46	15366	50249	51921	2.4	40.52	-2623	-133911	SLU 52	15029	32833	55356	2.5	12.52	Si
151	7X/2Y Ø8/14.7	-1240	-125500	SLU 46	15366	50249	51921	2.4	40.52	-2623	-133741	SLU 52	15029	32833	55356	2.5	12.52	Si
180	7X/2Y Ø8/14.7	-1240	-125332	SLU 46	15366	50249	51921	2.4	40.52	-2623	-133574	SLU 52	15029	32833	55356	2.5	12.52	Si
200	7X/2Y Ø8/14.7	-1029	-118730	SLU 46	15366	50249	51921	2.4	48.81	1423	-127431	SLU 51	15029	32833	55356	2.5	23.07	Si
232	7X/2Y Ø8/14.7	-1029	-118546	SLU 46	15366	50249	51921	2.4	48.81	1423	-127247	SLU 51	15029	32833	55356	2.5	23.07	Si
264	7X/2Y Ø8/10	-1029	-118359	SLU 46	15366	58624	60274	1.9	56.94	1423	-127060	SLU 51	15029	48385	55356	2.5	34	Si
296	7X/2Y Ø8/10	-1029	-118172	SLU 46	15366	58624	60274	1.9	56.94	1423	-126873	SLU 51	15029	48385	55356	2.5	34	Si
328	7X/2Y Ø8/10	-1029	-117984	SLU 46	15366	58624	60274	1.9	56.94	1423	-126685	SLU 51	15029	48385	55356	2.5	34	Si
360	7X/2Y Ø8/10	-1029	-117800	SLU 46	15366	58624	60274	1.9	56.94	1423	-126501	SLU 51	15029	48385	55356	2.5	34	Si
380	7X/2Y Ø8/10	417	-81810	SLU 15	15366	58624	60274	1.9	140.72	-2123	-117466	SLU 51	15029	48385	55356	2.5	22.79	Si
414	7X/2Y Ø8/10	417	-81658	SLU 15	15366	58624	60274	1.9	140.72	-2123	-117268	SLU 51	15029	48385	55356	2.5	22.79	Si
448	7X/2Y Ø8/10	417	-81506	SLU 15	15366	58624	60274	1.9	140.72	-2123	-117071	SLU 51	15029	48385	55356	2.5	22.79	Si
481	7X/2Y Ø8/14.4	417	-81354	SLU 15	15366	51267	51921	2.4	123.06	-2123	-116873	SLU 51	15029	33497	55356	2.5	15.78	Si
515	7X/2Y Ø8/14.4	417	-81205	SLU 15	15366	51267	51921	2.4	123.06	-2123	-116679	SLU 51	15029	33497	55356	2.5	15.78	Si
535	7X/2Y Ø8/14.4	420	-102148	SLU 45	15366	51267	51921	2.4	122.13	428	-104194	SLU 47	15029	33497	55356	2.5	78.34	Si
569	7X/2Y Ø8/14.4	420	-101951	SLU 45	15366	51267	51921	2.4	122.13	428	-103997	SLU 47	15029	33497	55356	2.5	78.34	Si
603	7X/2Y Ø8/10	420	-101753	SLU 45	15366	58624	60274	1.9	139.66	428	-103799	SLU 47	15029	48385	55356	2.5	113.16	Si
636	7X/2Y Ø8/10	420	-101556	SLU 45	15366	58624	60274	1.9	139.66	428	-103602	SLU 47	15029	48385	55356	2.5	113.16	Si
670	7X/2Y Ø8/10	420	-101361	SLU 45	15366	58624	60274	1.9	139.66	428	-103407	SLU 47	15029	48385	55356	2.5	113.16	Si
690	7X/2Y Ø8/10	463	-62274	SLU 15	15320	57082	58671	1.85	123.36	-754	-72461	SLU 38	15029	48385	54529	2.5	64.17	Si
724	7X/2Y Ø8/10	463	-62122	SLU 15	15301	57082	58647	1.85	123.36	-754	-72263	SLU 38	15029	48385	54501	2.5	64.17	Si
758	7X/2Y Ø8/10	463	-61970	SLU 15	15282	57082	58623	1.85	123.36	-754	-72066	SLU 38	15029	48385	54474	2.5	64.17	Si
791	7X/2Y Ø8/14.4	463	-61818	SLU 15	15263	50199	50471	2.35	108.48	-754	-71868	SLU 38	15029	33497	54446	2.5	44.42	Si
825	7X/2Y Ø8/14.4	463	-61669	SLU 15	15244	50199	50451	2.35	108.48	-754	-71674	SLU 38	15029	33497	54418	2.5	44.42	Si
845	7X/2Y Ø8/14.4	386	-81085	SLU 50	15366	51267	51921	2.4	132.79	1471	-81995	SLU 51	15029	33497	55356	2.5	22.78	Si
879	7X/2Y Ø8/14.4	386	-80891	SLU 50	15366	51267	51921	2.4	132.79	1471	-81800	SLU 51	15029	33497	55356	2.5	22.78	Si
913	7X/2Y Ø8/10	386	-80693	SLU 50	15366	58624	60274	1.9	151.85	1471	-81603	SLU 51	15029	48385	55356	2.5	32.9	Si
946	7X/2Y Ø8/10	386	-80496	SLU 50	15366	58624	60274	1.9	151.85	1471	-81405	SLU 51	15029	48385	55356	2.5	32.9	Si
980	7X/2Y Ø8/10	386	-80298	SLU 50	15366	58624	60274	1.9	151.85	1471	-81208	SLU 51	15029	48385	55356	2.5	32.9	Si
1000	7X/2Y Ø8/10	-178	-49657	SLU 39	13749	55539	57542	1.8	311.51	-1620	-61339	SLU 51	14850	48385	52957	2.5	29.86	Si
1034	7X/2Y Ø8/10	-178	-49463	SLU 39	13725	55539	57511	1.8	311.51	-1620	-61145	SLU 51	14823	48385	52930	2.5	29.86	Si
1068	7X/2Y Ø8/10	-178	-49265	SLU 39	13700	55539	57480	1.8	311.51	-1620	-60947	SLU 51	14796	48385	52902	2.5	29.86	Si
1101	7X/2Y Ø8/14.4	-178	-45234	SLU 33	13198	48062	49691	2.25	269.62	-1620	-60750	SLU 51	14769	33497	52874	2.5	20.67	Si
1135	7X/2Y Ø8/14.4	-178	-45036	SLU 33	13173	48062	49664	2.25	269.62	-1620	-60552	SLU 51	14742	33497	52846	2.5	20.67	Si
1155	7X/2Y Ø8/14.4	-290	-43025	SLU 38	12923	48062	49385	2.25	165.85	241	-51000	SLU 47	13437	33497	51495	2.5	139.03	Si
1189	7X/2Y Ø8/14.4	-290	-42828	SLU 38	12899	48062	49358	2.25	165.85	241	-50802	SLU 47	13410	33497	51467	2.5	139.03	Si
1223	7X/2Y Ø8/10	-290	-42630	SLU 38	12874	55539	56428	1.8	191.64	241	-50605	SLU 47	13383	48385	51440	2.5	200.83	Si
1256	7X/2Y Ø8/10	-290	-42433	SLU 38	12849	55539	56396	1.8	191.64	241	-50407	SLU 47	13356	48385	51412	2.5	200.83	Si
1290	7X/2Y Ø8/10	-290	-42238	SLU 38	12825	55539	56365	1.8	191.64	241	-50213	SLU 47	13329	48385	51384	2.5	200.83	Si
1310	7X/2Y Ø8/10	-618	-34983	SLU 39	11922	53996	56027	1.75	87.31	-3077	-42884	SLU 51	12328	48385	50348	2.5	15.72	Si
1344	7X/2Y Ø8/10	-618	-34785	SLU 39	11897	53996	55995	1.75	87.31	-3077	-42686	SLU 51	12301	48385	50320	2.5	15.72	Si
1378	7X/2Y Ø8/10	-618	-34588	SLU 39	11873	53996	55963	1.75	87.31	-3077	-42489	SLU 51	12274	48385	50292	2.5	15.72	Si
1411	7X/2Y Ø8/14.4	-618	-34390	SLU 39	11848	48062	48188	2.25	77.71	-3077	-42291	SLU 51	12247	33497	50264	2.5	10.89	Si
1445	7X/2Y Ø8/14.4	-618	-34196	SLU 39	11824	48062	48161	2.25	77.71	-3077	-42097	SLU 51	12220	33497	50237	2.5	10.89	Si
1465	7X/2Y Ø8/14.4	-630	-34585	SLU 51	11872	48062	48215	2.25	76.24	-878	-33985	SLU 50	11112	33497	49090	2.5	38.16	Si
1499	7X/2Y Ø8/14.4	-630	-34388	SLU 51	11848	48062	48188	2.25	76.24	-878	-33788	SLU 50	11085	33497	49062	2.5	38.16	Si
1533	7X/2Y Ø8/10	-630	-34190	SLU 51	11823	53996	55899	1.75	85.65	-878	-33590	SLU 50	11058	48385	49034	2.5	55.11	Si
1566	7X/2Y Ø8/10	-630	-33993	SLU 51	11799	53996	55867	1.75	85.65	-878	-33393	SLU 50	11031	48385	49006	2.5	55.11	Si
1600	7X/2Y Ø8/10	-630	-33798	SLU 51	11774	53996	55836	1.75	85.65	-878	-33198	SLU 50	11004	48385	48979	2.5	55.11	Si
1620	7X/2Y Ø8/10	-930	-24377	SLU 52	10601	53996	54320	1.75	58.04	-2604	-24479	SLU 51	9812	47417	48445	2.45	18.21	Si
1654	7X/2Y Ø8/10	-930	-24179	SLU 52	10577	53996	54288	1.75	58.04	-2604	-24281	SLU 51	9785	47417	48416	2.45	18.21	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1688	7X/2Y Ø8/10	-930	-23982	SLU 52	10552	53996	54257	1.75	58.04	-2604	-24084	SLU 51	9758	47417	48388	2.45	18.21	Si
1721	7X/2Y Ø8/14.4	-930	-23784	SLU 52	10528	46994	47420	2.2	50.51	-2604	-23886	SLU 51	9731	33497	47662	2.5	12.87	Si
1755	7X/2Y Ø8/14.4	-930	-23590	SLU 52	10503	46994	47393	2.2	50.51	-2604	-23692	SLU 51	9705	33497	47635	2.5	12.87	Si
1775	7X/2Y Ø8/14.4	-175	-13134	SLU 38	9202	45926	46614	2.15	262.42	-549	-15720	SLU 50	8615	33497	46508	2.5	61	Si
1809	7X/2Y Ø8/14.4	-175	-12940	SLU 38	9177	45926	46586	2.15	262.42	-549	-15525	SLU 50	8589	33497	46480	2.5	61	Si
1843	7X/2Y Ø8/10	-175	-12742	SLU 38	9153	52453	53209	1.7	299.72	-549	-15328	SLU 50	8562	46450	47826	2.4	84.59	Si
1876	7X/2Y Ø8/10	-175	-12545	SLU 38	9128	52453	53177	1.7	299.72	-549	-15130	SLU 50	8535	46450	47798	2.4	84.59	Si
1910	7X/2Y Ø8/10	-175	-12347	SLU 38	9104	52453	53145	1.7	299.72	-549	-14933	SLU 50	8508	46450	47769	2.4	84.59	Si
1930	3X/2Y Ø8/10	260	-4980	SLU 51	4403	24464	25249	1.85	94.2	-1684	-4980	SLU 51	4374	20959	21227	2.4	12.44	Si
1960	3X/2Y Ø8/10	260	-4894	SLU 51	4392	24464	25235	1.85	94.2	-1684	-4894	SLU 51	4364	20959	21216	2.4	12.44	Si
1990	3X/2Y Ø8/10	260	-4806	SLU 51	4382	24464	25221	1.85	94.2	-1684	-4806	SLU 51	4353	20959	21204	2.4	12.44	Si
2020	3X/2Y Ø8/10	260	-4718	SLU 51	4371	24464	25208	1.85	94.2	-1684	-4718	SLU 51	4342	20959	21193	2.4	12.44	Si
2050	3X/2Y Ø8/10	260	-4630	SLU 51	4360	24464	25194	1.85	94.2	-1684	-4630	SLU 51	4331	20959	21181	2.4	12.44	Si
2080	3X/2Y Ø8/10	260	-4543	SLU 51	4349	24464	25180	1.85	94.2	-1684	-4543	SLU 51	4320	20959	21170	2.4	12.44	Si
2110	3X/2Y Ø8/10	260	-4455	SLU 51	4338	24464	25167	1.85	94.2	-1684	-4455	SLU 51	4310	20959	21158	2.4	12.44	Si
2140	3X/2Y Ø8/10	260	-4367	SLU 51	4327	24464	25153	1.85	94.2	-1684	-4367	SLU 51	4299	20959	21147	2.4	12.44	Si
2170	3X/2Y Ø8/10	260	-4279	SLU 51	4316	24464	25139	1.85	94.2	-1684	-4279	SLU 51	4288	20959	21135	2.4	12.44	Si
2200	3X/2Y Ø8/10	260	-4192	SLU 51	4305	24464	25125	1.85	94.2	-1684	-4192	SLU 51	4277	20959	21124	2.4	12.44	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	7X/2Y Ø8/10	-1400	-108950	SLV 1	15366	58630	60274	1.9	41.87	-7528	-106016	SLV 9	15029	48390	55356	2.5	6.43	Si
-111	7X/2Y Ø8/10	-1400	-108821	SLV 1	15366	58630	60274	1.9	41.87	-7528	-105888	SLV 9	15029	48390	55356	2.5	6.43	Si
-82	7X/2Y Ø8/10	-1400	-108690	SLV 1	15366	58630	60274	1.9	41.87	-7528	-105757	SLV 9	15029	48390	55356	2.5	6.43	Si
-53	7X/2Y Ø8/10	-1400	-108559	SLV 1	15366	58630	60274	1.9	41.87	-7528	-105626	SLV 9	15029	48390	55356	2.5	6.43	Si
-24	7X/2Y Ø8/14.7	-1400	-108428	SLV 1	15366	50249	51921	2.4	35.88	-7528	-105495	SLV 9	15029	32833	55356	2.5	4.36	Si
5	7X/2Y Ø8/14.7	-1400	-108298	SLV 1	15366	50249	51921	2.4	35.88	-7528	-105364	SLV 9	15029	32833	55356	2.5	4.36	Si
35	7X/2Y Ø8/14.7	-1400	-108167	SLV 1	15366	50249	51921	2.4	35.88	-7528	-105233	SLV 9	15029	32833	55356	2.5	4.36	Si
64	7X/2Y Ø8/14.7	-1400	-108036	SLV 1	15366	50249	51921	2.4	35.88	-7528	-105102	SLV 9	15029	32833	55356	2.5	4.36	Si
93	7X/2Y Ø8/14.7	-1400	-107905	SLV 1	15366	50249	51921	2.4	35.88	-7528	-104971	SLV 9	15029	32833	55356	2.5	4.36	Si
122	7X/2Y Ø8/14.7	-1400	-107774	SLV 1	15366	50249	51921	2.4	35.88	-7528	-104841	SLV 9	15029	32833	55356	2.5	4.36	Si
151	7X/2Y Ø8/14.7	-1400	-107643	SLV 1	15366	50249	51921	2.4	35.88	-7528	-104710	SLV 9	15029	32833	55356	2.5	4.36	Si
180	7X/2Y Ø8/14.7	-1400	-107514	SLV 1	15366	50249	51921	2.4	35.88	-7528	-104581	SLV 9	15029	32833	55356	2.5	4.36	Si
200	7X/2Y Ø8/14.7	-2871	-70890	SLV 1	15366	50249	50937	2.4	17.5	3752	-105952	SLV 9	15029	32833	55356	2.5	8.75	Si
232	7X/2Y Ø8/14.7	-2871	-70748	SLV 1	15366	50249	50918	2.4	17.5	3752	-105811	SLV 9	15029	32833	55356	2.5	8.75	Si
264	7X/2Y Ø8/10	-2871	-70604	SLV 1	15366	58624	59088	1.9	20.42	3752	-105667	SLV 9	15029	48385	55356	2.5	12.9	Si
296	7X/2Y Ø8/10	-2871	-70460	SLV 1	15366	58624	59066	1.9	20.42	3752	-105523	SLV 9	15029	48385	55356	2.5	12.9	Si
328	7X/2Y Ø8/10	-2871	-70316	SLV 1	15366	58624	59044	1.9	20.42	3752	-105379	SLV 9	15029	48385	55356	2.5	12.9	Si
360	7X/2Y Ø8/10	-2871	-70174	SLV 1	15366	58624	59022	1.9	20.42	3752	-105237	SLV 9	15029	48385	55356	2.5	12.9	Si
380	7X/2Y Ø8/10	-1544	-93025	SLV 1	15366	58624	60274	1.9	37.96	-7614	-90545	SLV 9	15029	48385	55356	2.5	6.35	Si
414	7X/2Y Ø8/10	-1544	-92873	SLV 1	15366	58624	60274	1.9	37.96	-7614	-90393	SLV 9	15029	48385	55356	2.5	6.35	Si
448	7X/2Y Ø8/10	-1544	-92721	SLV 1	15366	58624	60274	1.9	37.96	-7614	-90241	SLV 9	15029	48385	55356	2.5	6.35	Si
481	7X/2Y Ø8/14.4	-1544	-92569	SLV 1	15366	51267	51921	2.4	33.2	-7614	-90089	SLV 9	15029	33497	55356	2.5	4.4	Si
515	7X/2Y Ø8/14.4	-1544	-92420	SLV 1	15366	51267	51921	2.4	33.2	-7614	-89939	SLV 9	15029	33497	55356	2.5	4.4	Si
535	7X/2Y Ø8/14.4	1924	-72407	SLV 15	15366	50199	51896	2.35	26.09	2593	-88943	SLV 9	15029	33497	55356	2.5	12.92	Si
569	7X/2Y Ø8/14.4	1924	-72255	SLV 15	15366	50199	51876	2.35	26.09	2593	-88791	SLV 9	15029	33497	55356	2.5	12.92	Si
603	7X/2Y Ø8/10	1924	-72103	SLV 15	15366	58624	59319	1.9	30.47	2593	-88639	SLV 9	15029	48385	55356	2.5	18.66	Si
636	7X/2Y Ø8/10	1924	-71951	SLV 15	15366	58624	59295	1.9	30.47	2593	-88487	SLV 9	15029	48385	55356	2.5	18.66	Si
670	7X/2Y Ø8/10	1924	-71801	SLV 15	15366	58624	59272	1.9	30.47	2593	-88337	SLV 9	15029	48385	55356	2.5	18.66	Si
690	7X/2Y Ø8/10	1813	-37230	SLV 15	12202	55539	55571	1.8	30.63	-6778	-69346	SLV 9	15029	48385	54089	2.5	7.14	Si
724	7X/2Y Ø8/10	1813	-37078	SLV 15	12183	55539	55547	1.8	30.63	-6778	-69194	SLV 9	15029	48385	54068	2.5	7.14	Si
758	7X/2Y Ø8/10	1813	-36926	SLV 15	12164	53996	56339	1.75	29.78	-6778	-69043	SLV 9	15029	48385	54046	2.5	7.14	Si
791	7X/2Y Ø8/14.4	1813	-36774	SLV 15	12145	48062	48519	2.25	26.51	-6778	-68891	SLV 9	15029	33497	54025	2.5	4.94	Si
825	7X/2Y Ø8/14.4	1813	-36624	SLV 15	12126	48062	48498	2.25	26.51	-6778	-68741	SLV 9	15029	33497	54004	2.5	4.94	Si
845	7X/2Y Ø8/14.4	2265	-53951	SLV 15	14283	49131	50149	2.3	21.69	2959	-65826	SLV 9	15029	33497	53591	2.5	11.32	Si
879	7X/2Y Ø8/14.4	2265	-53802	SLV 15	14265	49131	50129	2.3	21.69	2959	-65676	SLV 9	15029	33497	53570	2.5	11.32	Si
913	7X/2Y Ø8/10	2265	-53650	SLV 15	14246	57082	57323	1.85	25.2	2959	-65524	SLV 9	15029	48385	53549	2.5	16.35	Si
946	7X/2Y Ø8/10	2265	-53498	SLV 15	14227	57082	57300	1.85	25.2	2959	-65372	SLV 9	15029	48385	53527	2.5	16.35	Si
980	7X/2Y Ø8/10	2265	-53346	SLV 15	14208	57082	57276	1.85	25.2	2959	-65221	SLV 9	15029	48385	53506	2.5	16.35	Si
1000	7X/2Y Ø8/10	1519	-24780	SLV 15	10652	53996	54385	1.75	35.54	-6627	-48086	SLV 9	13039	48385	51083	2.5	7.3	Si
1034	7X/2Y Ø8/10	1519	-24630	SLV 15	10633	53996	54361	1.75	35.54	-6627	-47937	SLV 9	13018	48385	51062	2.5	7.3	Si
1068	7X/2Y Ø8/10	1519	-24479	SLV 15	10614	53996	54337	1.75	35.54	-6627	-47785	SLV 9	12997	48385	51041	2.5	7.3	Si
1101	7X/2Y Ø8/14.4	1519	-24327	SLV 15	10595	46994	47497	2.2	30.94	-6627	-47633	SLV 9	12977	33497	51019	2.5	5.05	Si
1135	7X/2Y Ø8/14.4	1519	-24175	SLV 15	10576	46994	47475	2.2	30.94	-6627	-47481	SLV 9	12956	33497	50998	2.5	5.05	Si
1155	7X/2Y Ø8/14.4	-2389	-30254	SLV 1	11333	46994	48331	2.2	19.67	2205	-42892	SLV 9	12329	33497	50349	2.5	15.19	Si
1189	7X/2Y Ø8/14.4	-2389	-30102	SLV 1	11314	46994	48309	2.2	19.67	2205	-42740	SLV 9	12308	33497	50328	2.5	15.19	Si
1223	7X/2Y Ø8/10	-2389	-29950	SLV 1	11295	53996	55217	1.75	22.6	2205	-42588	SLV 9	12287	48385	50306	2.5	21.94	Si
1256	7X/2Y Ø8/10	-2389	-29798	SLV 1	11276	53996	55192	1.75	22.6	2205	-42436	SLV 9	12266	48385	50285	2.5	21.94	Si
1290	7X/2Y Ø8/10	-2389	-29648	SLV 1	11258	53996	55168	1.75	22.6	2205	-42286	SLV 9	12246	48385	50263	2.5	21.94	Si
1310	7X/2Y Ø8/10	-1933	-34063	SLV 1	11807	53996	55879	1.75	27.94	-7158	-32720	SLV 9	10939	48385	48911	2.5	6.76	Si
1344	7X/2Y Ø8/10	-1933	-33911	SLV 1	11788	53996	55854	1.75	27.94	-7158	-32568	SLV 9	10918	48385	48889	2.5	6.76	Si
1378	7X/2Y Ø8/10	-1933	-33759	SLV 1	11769	53996	55830	1.75	27.94	-7158	-32416	SLV 9	10897	48385	48868	2.5	6.76	Si
1411	7X/2Y Ø8/14.4	-1933	-33608	SLV 1	11751	48062	48080	2.25	24.87	-7158	-32264	SLV 9	10876	33497	48847	2.5	4.68	Si
1445	7X/2Y Ø8/14.4	-1933	-33458	SLV 1	11732	46994	48781	2.2	24.31	-7158	-32115	SLV 9	10856	33497	48825	2.5	4.68	Si
1465	7X/2Y Ø8/14.4	-2533	-20033	SLV 1	10061	45926	47599	2.15	18.13	-2185	-16226	SLV 7	8684	33497	46579	2.5	15.33	Si
1499	7X/2Y Ø8/14.4	-2533	-19881	SLV 1	10042	45926	47578	2.15	18.13	-2185	-16074	SLV 7	8664	33497	46558	2.5	15.33	Si
1533	7X/2Y Ø8/10	-2533	-19729	SLV 1	10023	52453	54350	1.7	20.71	-2185	-15922	SLV 7	8643	46450	47913	2.4	21.25	Si
1566	7X/2Y Ø8/10	-2533	-19577	SLV 1	10004	52453	54325	1.7	20.71	-2185	-15770	SLV 7	8622	46450	47891	2.4	21.25	Si
1600	7X/2Y Ø8/10	-2533	-19427	SLV 1	9985	52453	54300	1.7	20.71	-2185	-15620	SLV 7	8602	46450	47869	2.4	21.25	Si
1620	7X/2Y Ø8/10	-2269	-18406	SLV 1	9858	52453	54134	1.7	23.12	-6537	-19399	SLV 5	9118	47417	47716	2.45	7.25	Si
1654	7X/2Y Ø8/10	-2269	-18254	SLV 1	9839	52453	54109	1.7	23.12	-6537	-19247	SLV 5	9097	47417	47694	2.45	7.25	Si
1688	7X/2Y Ø8/10	-2269	-18102	SLV 1	9820	52453	54084	1.7	23.12	-6537	-19095	SLV 5	9077	47417	47673	2.45	7.25	Si
1721	7X/2Y Ø8/14.4	-2269	-17950	SLV 1	9801	45926	47302	2.15	20.24	-6537	-18944	SLV 5	9056	33497	46963	2.5	5.12	Si
1755	7X/2Y Ø8/14.4	-2269	-17801	SLV 1	9783	45926	47281	2.15	20.24	-6537	-18794	SLV 5	9035	33497	46942	2.5	5.12	Si
1775	7X/2Y Ø8/14.4	-1935	-8751	SLV 1	8656	45926	45988	2.15	23.73	-1571	-8740	SLV 7	7661	33497	45521	2.5	21.32	Si
1809	7X/2Y Ø8/14.4	-1935	-8601	SLV 1	8637	45926	45967	2.15	23.73	-1571	-8590	SLV 7	7641	33497	45500	2.5	21.32	Si
1843	7X/2Y Ø8/10	-1935	-8449	SLV 1	8618	52453	52508	1.7	27.1	-1571	-8438	SLV 7	7620	46450	46824	2.4	29.56	Si
1876	7X/2Y Ø8/10	-1935	-8298	SLV 1	8599	52453	52484	1.7	27.1	-1571	-8287	SLV 7	7599	46450	46802	2.4	29.56	Si
1910	7X/2Y Ø8/10	-1935	-8146	SLV 1	8581	52453	52459	1.7	27.1	-1571	-8135	SLV 7	7579	46450	46779	2.4	29.56	Si
1930	3X/2Y Ø8/10	431	-2705	SLV 7	4120	24464	24893	1.85	56.79	-1609	-3136	SLV 9	4147	20959	20985	2.4	13.03	Si
1960	3X/2Y Ø8/10	431	-2639	SLV 7	4112	24464	24883	1.85	56.79	-1609	-3070	SLV 9	4139	20959	20976	2.4	13.03	Si
1990	3X/2Y Ø8/10	431	-2571	SLV 7	4103	24464	24872	1.85	56.79	-1609	-3003	SLV 9	4131	20959	20967	2.4	13.03	Si
2020	3X/2Y Ø8/10	431	-2504	SLV 7	4095	24464	24862	1.85	56.79	-1609	-2935	SLV 9	4122	20959	20959	2.4	13.03	Si
2050	3X/2Y Ø8/10	431	-2436	SLV 7	4087	24464	24851	1.85	56.79	-1609	-2868	SLV 9	4114	20522	21260	2.35	12.76	Si
2080	3X/2Y Ø8/10	431	-2369	SLV 7	4078	24464	24841	1.85	56.79	-1609	-2800	SLV 9	4106	20522	21251	2.35	12.76	Si
2110	3X/2Y Ø8/10	431	-2301	SLV 7	4070	24464	24830	1.85	56.79	-1609	-2733	SLV 9	4097	20522	21242	2.35	12.76	Si
2140	3X/2Y Ø8/10	431	-2234	SLV 7	4061	24464	24820	1.85	56.79	-1609	-2665	SLV 9	4089	20522	21233	2.35	12.76	Si
2170	3X/2Y Ø8/10	431	-2166	SLV 7	4053	24464	24809	1.85	56.79	-1609	-2598	SLV 9	4081	20522	21224	2.35	12.76	Si

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
2200	3X/2Y Ø8/10	431	-2099	SLV 7	4045	24464	24798	1.85	56.79	-1609	-2530	SLV 9	4072	20522	21215	2.35	12.76	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	7X/2Y Ø8/10	-784	-93051	SLD 1	19151	67888	55092	2.2	70.3	-3864	-91900	SLD 9	19026	48390	55356	2.5	12.52	Si
-111	7X/2Y Ø8/10	-784	-92922	SLD 1	19135	67888	55092	2.2	70.3	-3864	-91772	SLD 9	19009	48390	55356	2.5	12.52	Si
-82	7X/2Y Ø8/10	-784	-92791	SLD 1	19119	67888	55092	2.2	70.3	-3864	-91641	SLD 9	18991	48390	55356	2.5	12.52	Si
-53	7X/2Y Ø8/10	-784	-92660	SLD 1	19103	67888	55092	2.2	70.3	-3864	-91510	SLD 9	18973	48390	55356	2.5	12.52	Si
-24	7X/2Y Ø8/14.7	-784	-92529	SLD 1	19086	52343	50429	2.5	64.35	-3864	-91379	SLD 9	18955	32833	55356	2.5	8.5	Si
5	7X/2Y Ø8/14.7	-784	-92398	SLD 1	19070	52343	50429	2.5	64.35	-3864	-91248	SLD 9	18937	32833	55356	2.5	8.5	Si
35	7X/2Y Ø8/14.7	-784	-92267	SLD 1	19054	52343	50429	2.5	64.35	-3864	-91117	SLD 9	18919	32833	55356	2.5	8.5	Si
64	7X/2Y Ø8/14.7	-784	-92136	SLD 1	19037	52343	50429	2.5	64.35	-3864	-90986	SLD 9	18902	32833	55356	2.5	8.5	Si
93	7X/2Y Ø8/14.7	-784	-92005	SLD 1	19021	52343	50429	2.5	64.35	-3864	-90855	SLD 9	18884	32833	55356	2.5	8.5	Si
122	7X/2Y Ø8/14.7	-784	-91875	SLD 1	19005	52343	50429	2.5	64.35	-3864	-90725	SLD 9	18866	32833	55356	2.5	8.5	Si
151	7X/2Y Ø8/14.7	-784	-91744	SLD 1	18989	52343	50429	2.5	64.35	-3864	-90594	SLD 9	18848	32833	55356	2.5	8.5	Si
180	7X/2Y Ø8/14.7	-784	-91615	SLD 1	18973	52343	50429	2.5	64.35	-3864	-90465	SLD 9	18830	32833	55356	2.5	8.5	Si
200	7X/2Y Ø8/14.7	-1237	-75051	SLD 1	16910	52343	50009	2.5	40.44	2001	-88824	SLD 9	18606	32833	55356	2.5	16.41	Si
232	7X/2Y Ø8/14.7	-1237	-74909	SLD 1	16893	52343	49991	2.5	40.42	2001	-88682	SLD 9	18587	32833	55356	2.5	16.41	Si
264	7X/2Y Ø8/10	-1237	-74765	SLD 1	16875	66338	55417	2.15	44.81	2001	-88538	SLD 9	18567	48385	55356	2.5	24.18	Si
296	7X/2Y Ø8/10	-1237	-74621	SLD 1	16857	66338	55396	2.15	44.79	2001	-88394	SLD 9	18547	48385	55356	2.5	24.18	Si
328	7X/2Y Ø8/10	-1237	-74477	SLD 1	16839	66338	55375	2.15	44.78	2001	-88250	SLD 9	18528	48385	55356	2.5	24.18	Si
360	7X/2Y Ø8/10	-1237	-74335	SLD 1	16821	66338	55355	2.15	44.76	2001	-88108	SLD 9	18508	48385	55356	2.5	24.18	Si
380	7X/2Y Ø8/10	-685	-79818	SLD 1	17504	66338	55923	2.15	81.63	-3751	-78835	SLD 9	17241	48385	55356	2.5	12.9	Si
414	7X/2Y Ø8/10	-685	-79666	SLD 1	17485	66338	55923	2.15	81.63	-3751	-78683	SLD 9	17220	48385	55356	2.5	12.9	Si
448	7X/2Y Ø8/10	-685	-79514	SLD 1	17466	66338	55923	2.15	81.63	-3751	-78531	SLD 9	17199	48385	55356	2.5	12.9	Si
481	7X/2Y Ø8/14.4	-685	-79362	SLD 1	17447	53403	50429	2.5	73.61	-3751	-78379	SLD 9	17179	33497	55356	2.5	8.93	Si
515	7X/2Y Ø8/14.4	-685	-79213	SLD 1	17428	53403	50429	2.5	73.61	-3751	-78229	SLD 9	17158	33497	55345	2.5	8.93	Si
535	7X/2Y Ø8/14.4	891	-69120	SLD 15	16172	53403	49246	2.5	55.3	1177	-75655	SLD 9	16806	33497	54981	2.5	28.45	Si
569	7X/2Y Ø8/14.4	891	-68968	SLD 15	16153	53403	49226	2.5	55.27	1177	-75503	SLD 9	16786	33497	54960	2.5	28.45	Si
603	7X/2Y Ø8/10	891	-68816	SLD 15	16134	66338	54567	2.15	61.27	1177	-75352	SLD 9	16765	48385	54938	2.5	41.09	Si
636	7X/2Y Ø8/10	891	-68664	SLD 15	16115	66338	54545	2.15	61.25	1177	-75200	SLD 9	16744	48385	54917	2.5	41.09	Si
670	7X/2Y Ø8/10	891	-68515	SLD 15	16097	66338	54524	2.15	61.22	1177	-75050	SLD 9	16724	48385	54895	2.5	41.09	Si
690	7X/2Y Ø8/10	780	-47603	SLD 15	13493	64795	52316	2.1	67.09	-2883	-60339	SLD 9	14713	48385	52816	2.5	16.78	Si
724	7X/2Y Ø8/10	780	-47451	SLD 15	13474	64795	52294	2.1	67.07	-2883	-60187	SLD 9	14692	48385	52794	2.5	16.78	Si
758	7X/2Y Ø8/10	780	-47299	SLD 15	13455	64795	52272	2.1	67.04	-2883	-60035	SLD 9	14672	48385	52773	2.5	16.78	Si
791	7X/2Y Ø8/14.4	780	-47147	SLD 15	13436	53403	46416	2.5	59.53	-2883	-59884	SLD 9	14651	33497	52751	2.5	11.62	Si
825	7X/2Y Ø8/14.4	780	-46998	SLD 15	13418	53403	46396	2.5	59.5	-2883	-59734	SLD 9	14630	33497	52730	2.5	11.62	Si
845	7X/2Y Ø8/14.4	1027	-51573	SLD 15	13987	53403	46986	2.5	45.76	1697	-56322	SLD 9	14164	33497	52248	2.5	19.74	Si
879	7X/2Y Ø8/14.4	1027	-51424	SLD 15	13969	53403	46966	2.5	45.74	1697	-56172	SLD 9	14144	33497	52227	2.5	19.74	Si
913	7X/2Y Ø8/10	1027	-51272	SLD 15	13950	64795	52848	2.1	51.46	1697	-56021	SLD 9	14123	48385	52205	2.5	28.52	Si
946	7X/2Y Ø8/10	1027	-51120	SLD 15	13931	64795	52826	2.1	51.44	1697	-55869	SLD 9	14102	48385	52184	2.5	28.52	Si
980	7X/2Y Ø8/10	1027	-50968	SLD 15	13912	64795	52804	2.1	51.42	1697	-55717	SLD 9	14081	48385	52162	2.5	28.52	Si
1000	7X/2Y Ø8/10	646	-32297	SLD 15	11587	63253	50855	2.05	78.78	-3192	-41659	SLD 9	12160	48385	50175	2.5	15.16	Si
1034	7X/2Y Ø8/10	646	-32148	SLD 15	11569	63253	50833	2.05	78.74	-3192	-41509	SLD 9	12140	48385	50154	2.5	15.16	Si
1068	7X/2Y Ø8/10	646	-31996	SLD 15	11550	63253	50810	2.05	78.71	-3192	-41357	SLD 9	12119	48385	50132	2.5	15.16	Si
1101	7X/2Y Ø8/14.4	646	-31844	SLD 15	11531	53403	44445	2.5	68.85	-3192	-41205	SLD 9	12098	33497	50111	2.5	10.5	Si
1135	7X/2Y Ø8/14.4	646	-31692	SLD 15	11512	53403	44425	2.5	68.82	-3192	-41054	SLD 9	12078	33497	50089	2.5	10.5	Si
1155	7X/2Y Ø8/14.4	-1046	-31686	SLD 1	11511	53403	44424	2.5	42.48	968	-36863	SLD 9	11505	33497	49497	2.5	34.62	Si
1189	7X/2Y Ø8/14.4	-1046	-31534	SLD 1	11492	53403	44405	2.5	42.46	968	-36711	SLD 9	11484	33497	49475	2.5	34.62	Si
1223	7X/2Y Ø8/10	-1046	-31383	SLD 1	11474	63253	50720	2.05	48.5	968	-36559	SLD 9	11463	48385	49454	2.5	50.01	Si
1256	7X/2Y Ø8/10	-1046	-31231	SLD 1	11455	63253	50698	2.05	48.48	968	-36407	SLD 9	11442	48385	49432	2.5	50.01	Si
1290	7X/2Y Ø8/10	-1046	-31081	SLD 1	11436	63253	50676	2.05	48.46	968	-36257	SLD 9	11422	48385	49411	2.5	50.01	Si
1310	7X/2Y Ø8/10	-954	-29235	SLD 1	11206	63253	50404	2.05	52.86	-3939	-28684	SLD 9	10387	48385	48340	2.5	12.27	Si
1344	7X/2Y Ø8/10	-954	-29083	SLD 1	11187	63253	50382	2.05	52.84	-3939	-28532	SLD 9	10366	48385	48319	2.5	12.27	Si
1378	7X/2Y Ø8/10	-954	-28932	SLD 1	11168	63253	50359	2.05	52.81	-3939	-28380	SLD 9	10346	48385	48297	2.5	12.26	Si
1411	7X/2Y Ø8/14.4	-954	-28780	SLD 1	11150	53403	44050	2.5	46.2	-3939	-28228	SLD 9	10325	33497	48276	2.5	8.5	Si
1445	7X/2Y Ø8/14.4	-954	-28630	SLD 1	11131	53403	44031	2.5	46.18	-3939	-28079	SLD 9	10304	33497	48255	2.5	8.5	Si
1465	7X/2Y Ø8/14.4	-1202	-20607	SLD 1	10132	53403	42997	2.5	35.76	-1131	-19058	SLD 7	9072	33497	46980	2.5	29.62	Si
1499	7X/2Y Ø8/14.4	-1202	-20455	SLD 1	10113	53403	42978	2.5	35.75	-1131	-18906	SLD 7	9051	33497	46958	2.5	29.62	Si
1533	7X/2Y Ø8/10	-1202	-20303	SLD 1	10094	61710	49832	2	41.45	-1131	-18754	SLD 7	9030	48385	46937	2.5	41.51	Si
1566	7X/2Y Ø8/10	-1202	-20151	SLD 1	10075	61710	49809	2	41.43	-1131	-18602	SLD 7	9009	48385	46915	2.5	41.49	Si
1600	7X/2Y Ø8/10	-1202	-20002	SLD 1	10057	61710	49787	2	41.41	-1131	-18453	SLD 7	8989	48385	46894	2.5	41.47	Si
1620	7X/2Y Ø8/10	-1191	-16122	SLD 1	9574	61710	49207	2	41.32	-3578	-16530	SLD 5	8726	48385	46622	2.5	13.03	Si
1654	7X/2Y Ø8/10	-1191	-15971	SLD 1	9555	61710	49184	2	41.3	-3578	-16378	SLD 5	8705	48385	46601	2.5	13.02	Si
1688	7X/2Y Ø8/10	-1191	-15819	SLD 1	9536	61710	49162	2	41.28	-3578	-16226	SLD 5	8684	48385	46579	2.5	13.02	Si
1721	7X/2Y Ø8/14.4	-1191	-15667	SLD 1	9517	53403	42361	2.5	35.57	-3578	-16074	SLD 5	8664	33497	46558	2.5	9.36	Si
1755	7X/2Y Ø8/14.4	-1191	-15517	SLD 1	9498	53403	42342	2.5	35.56	-3578	-15924	SLD 5	8643	33497	46536	2.5	9.36	Si
1775	7X/2Y Ø8/14.4	-816	-9280	SLD 1	8722	53403	41539	2.5	50.9	-749	-9274	SLD 7	7734	33497	45596	2.5	44.73	Si
1809	7X/2Y Ø8/14.4	-816	-9130	SLD 1	8703	53403	41519	2.5	50.87	-749	-9125	SLD 7	7714	33497	45575	2.5	44.73	Si
1843	7X/2Y Ø8/10	-816	-8979	SLD 1	8684	61710	48140	2	58.99	-749	-8973	SLD 7	7693	48385	45554	2.5	60.82	Si
1876	7X/2Y Ø8/10	-816	-8827	SLD 1	8665	61710	48117	2	58.96	-749	-8821	SLD 7	7672	48385	45532	2.5	60.8	Si
1910	7X/2Y Ø8/10	-816	-8675	SLD 1	8646	61710	48094	2	58.93	-749	-8669	SLD 7	7652	48385	45511	2.5	60.77	Si
1930	3X/2Y Ø8/10	280	-2828	SLD 7	4135	28431	22773	2.15	81.29	-1220	-3014	SLD 9	4132	21832	20366	2.5	16.69	Si
1960	3X/2Y Ø8/10	280	-2761	SLD 7	4127	28431	22764	2.15	81.26	-1220	-2947	SLD 9	4124	21832	20358	2.5	16.68	Si
1990	3X/2Y Ø8/10	280	-2694	SLD 7	4119	28431	22754	2.15	81.22	-1220	-2880	SLD 9	4115	21832	20349	2.5	16.68	Si
2020	3X/2Y Ø8/10	280	-2626	SLD 7	4110	28431	22744	2.15	81.19	-1220	-2812	SLD 9	4107	21832	20341	2.5	16.67	Si
2050	3X/2Y Ø8/10	280	-2559	SLD 7	4102	28431	22735	2.15	81.15	-1220	-2745	SLD 9	4099	21832	20332	2.5	16.66	Si
2080	3X/2Y Ø8/10	280	-2491	SLD 7	4093	28431	22725	2.15	81.12	-1220	-2677	SLD 9	4090	21832	20323	2.5	16.65	Si
2110	3X/2Y Ø8/10	280	-2424	SLD 7	4085	28431	22715	2.15	81.08	-1220	-2610	SLD 9	4082	21832	20315	2.5	16.65	Si
2140	3X/2Y Ø8/10	280	-2356	SLD 7	4077	28431	22706	2.15	81.05	-1220	-2542	SLD 9	4074	21832	20306	2.5	16.64	Si
2170	3X/2Y Ø8/10	280	-2289	SLD 7	4068	28431	22696	2.15	81.01	-1220	-2475	SLD 9	4065	21832	20298	2.5	16.63	Si
2200	3X/2Y Ø8/10	280	-2221	SLD 7	4060	28431	22686	2.15	80.98	-1220	-2407	SLD 9	4057	21832	20289	2.5	16.63	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	338442	141380	-95609	SLE RA 13	-70.5	338442	141380	-95609	SLE RA 13	-952.3	Si
-111	285144	120286	-95480	SLE RA 13	-66.2	285144	120286	-95480	SLE RA 13	-904.1	Si
-82	230915	98824	-95349	SLE RA 13	-61.9	230915	98824	-95349	SLE RA 13	-855	Si
-53	176685	77361	-95218	SLE RA 13	-57.5	176685	77361	-95218	SLE RA 13	-805.9	Si
-24	122455	55899	-95087	SLE RA 13	-53.1	122455	55899	-95087	SLE RA 13	-756.8	Si
5	68226	34436	-94957	SLE RA 13	-48.8	68226	34436	-94957	SLE RA 13	-707.7	Si
35	13996	12973	-94826	SLE RA 13	-44.4	13996	12973	-94826	SLE RA 13	-658.6	Si
64	-41413	-17294	-94904	SLE RA 12	-46.1	-41413	-17294	-94904	SLE RA 12	-678.2	Si
93	-93226	-31605	-94773	SLE RA 12	-49.6	-93226	-31605	-94773	SLE RA 12	-718.2	Si
122	-148692	-51415	-94433	SLE RA 13	-53.7	-148692	-51415	-94433	SLE RA 13	-763.5	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
151	-202922	-72877	-94302	SLE RA 13	-57.9	-202922	-72877	-94302	SLE RA 13	-810.8	Si
180	-256220	-93971	-94173	SLE RA 13	-62.1	-256220	-93971	-94173	SLE RA 13	-857.3	Si
200	-84619	68940	-89310	SLE RA 13	-49.9	-84619	68940	-89310	SLE RA 13	-707.3	Si
232	-48382	59343	-89665	SLE RA 12	-47.6	-48382	59343	-89665	SLE RA 12	-681.4	Si
264	-15971	52378	-89521	SLE RA 12	-45.5	-15971	52378	-89521	SLE RA 12	-656.4	Si
296	16440	45413	-89377	SLE RA 12	-44.8	16440	45413	-89377	SLE RA 12	-650	Si
328	48852	38448	-89233	SLE RA 12	-45.7	48852	38448	-89233	SLE RA 12	-661.5	Si
360	80757	31591	-89091	SLE RA 12	-46.5	80757	31591	-89091	SLE RA 12	-672.8	Si
380	122668	-86215	-82400	SLE RA 13	-50	122668	-86215	-82400	SLE RA 13	-696.3	Si
414	77156	-87831	-82248	SLE RA 13	-48	77156	-87831	-82248	SLE RA 13	-671	Si
448	31644	-89448	-82096	SLE RA 13	-46	31644	-89448	-82096	SLE RA 13	-645.7	Si
481	-13869	-91064	-81944	SLE RA 13	-45.3	-13869	-91064	-81944	SLE RA 13	-636	Si
515	-58706	-92656	-81795	SLE RA 13	-47.4	-58706	-92656	-81795	SLE RA 13	-661.5	Si
535	138550	93871	-77561	SLE RA 12	-49.2	138550	93871	-77561	SLE RA 12	-678.9	Si
569	148718	101581	-77409	SLE RA 12	-50.3	148718	101581	-77409	SLE RA 12	-689.9	Si
603	158886	109292	-77257	SLE RA 12	-51.3	158886	109292	-77257	SLE RA 12	-701	Si
636	169053	117002	-77105	SLE RA 12	-52.4	169053	117002	-77105	SLE RA 12	-712	Si
670	179070	124598	-76956	SLE RA 12	-53.4	179070	124598	-76956	SLE RA 12	-722.9	Si
690	-97755	-114516	-62930	SLE RA 13	-42.5	-97755	-114516	-62930	SLE RA 13	-574.2	Si
724	-111045	-108623	-62778	SLE RA 13	-42.6	-111045	-108623	-62778	SLE RA 13	-575.8	Si
758	-126052	-102706	-62949	SLE RA 12	-42.8	-126052	-102706	-62949	SLE RA 12	-580.5	Si
791	-142878	-100711	-62797	SLE RA 12	-43.4	-142878	-100711	-62797	SLE RA 12	-587.3	Si
825	-159454	-98745	-62648	SLE RA 12	-43.9	-159454	-98745	-62648	SLE RA 12	-594	Si
845	79838	97839	-57592	SLE RA 13	-37.9	79838	97839	-57592	SLE RA 13	-514.3	Si
879	112111	106285	-57443	SLE RA 13	-40	112111	106285	-57443	SLE RA 13	-538.4	Si
913	144869	114858	-57291	SLE RA 13	-42.2	144869	114858	-57291	SLE RA 13	-562.9	Si
946	177627	123432	-57139	SLE RA 13	-44.3	177627	123432	-57139	SLE RA 13	-587.4	Si
980	210385	132005	-56987	SLE RA 13	-46.5	210385	132005	-56987	SLE RA 13	-611.9	Si
1000	-44805	-105482	-43387	SLE RA 12	-30.6	-44805	-105482	-43387	SLE RA 12	-405	Si
1034	-83885	-106573	-43237	SLE RA 12	-32.4	-83885	-106573	-43237	SLE RA 12	-426.9	Si
1068	-123553	-107680	-43085	SLE RA 12	-34.2	-123553	-107680	-43085	SLE RA 12	-449.1	Si
1101	-163221	-108788	-42933	SLE RA 12	-36	-163221	-108788	-42933	SLE RA 12	-471.3	Si
1135	-202888	-109896	-42781	SLE RA 12	-37.9	-202888	-109896	-42781	SLE RA 12	-493.5	Si
1155	32671	88909	-37740	SLE RA 12	-26.1	32671	88909	-37740	SLE RA 12	-346.4	Si
1189	38113	81970	-37588	SLE RA 12	-25.6	38113	81970	-37588	SLE RA 12	-342.8	Si
1223	43555	75030	-37436	SLE RA 12	-25.2	43555	75030	-37436	SLE RA 12	-339.1	Si
1256	46840	71226	-37154	SLE RA 13	-24.9	46840	71226	-37154	SLE RA 13	-335.9	Si
1290	50243	66766	-37005	SLE RA 13	-24.6	50243	66766	-37005	SLE RA 13	-333.1	Si
1310	143649	-50510	-30345	SLE RA 12	-24.5	143649	-50510	-30345	SLE RA 12	-327.3	Si
1344	69647	-63478	-30193	SLE RA 12	-22.2	69647	-63478	-30193	SLE RA 12	-295.3	Si
1378	-4355	-76445	-30041	SLE RA 12	-20.2	-4355	-76445	-30041	SLE RA 12	-269	Si
1411	-78358	-89413	-29889	SLE RA 12	-24.7	-78358	-89413	-29889	SLE RA 12	-319.6	Si
1445	-151263	-102188	-29740	SLE RA 12	-29	-151263	-102188	-29740	SLE RA 12	-370.1	Si
1465	86910	100291	-24416	SLE RA 12	-23.5	86910	100291	-24416	SLE RA 12	-296.4	Si
1499	68768	85169	-24264	SLE RA 12	-21.3	68768	85169	-24264	SLE RA 12	-272.7	Si
1533	50626	70047	-24113	SLE RA 12	-19.1	50626	70047	-24113	SLE RA 12	-249	Si
1566	32483	54926	-23961	SLE RA 12	-16.9	32483	54926	-23961	SLE RA 12	-225.3	Si
1600	14610	40028	-23811	SLE RA 12	-14.8	14610	40028	-23811	SLE RA 12	-201.9	Si
1620	88321	-32326	-17339	SLE RA 12	-14.6	88321	-32326	-17339	SLE RA 12	-193.4	Si
1654	25546	-53820	-17187	SLE RA 12	-13.5	25546	-53820	-17187	SLE RA 12	-174.8	Si
1688	-37229	-75315	-17035	SLE RA 12	-15.8	-37229	-75315	-17035	SLE RA 12	-198	Si
1721	-100004	-96809	-16883	SLE RA 12	-20.4	-100004	-96809	-16883	SLE RA 12	-250	Si
1755	-161849	-117986	-16733	SLE RA 12	-25	-161849	-117986	-16733	SLE RA 12	-301.3	Si
1775	90293	83529	-11389	SLE RA 13	-16.4	90293	83529	-11389	SLE RA 13	-196.6	Si
1809	79334	80537	-11240	SLE RA 13	-15.5	79334	80537	-11240	SLE RA 13	-186.9	Si
1843	68211	77501	-11088	SLE RA 13	-14.7	68211	77501	-11088	SLE RA 13	-177.1	Si
1876	57087	74464	-10936	SLE RA 13	-13.9	57087	74464	-10936	SLE RA 13	-167.3	Si
1910	45963	71427	-10784	SLE RA 13	-11.3	45963	71427	-10784	SLE RA 13	-135.6	Si
1930	117760	-53088	-3585	SLE RA 12	-39.5	117760	-53088	-3585	SLE RA 12	404	Si
1960	82480	-47729	-3519	SLE RA 12	-43.9	82480	-47729	-3519	SLE RA 12	640.4	Si
1990	46602	-42279	-3451	SLE RA 12	-19.6	46602	-42279	-3451	SLE RA 12	-206.1	Si
2020	10724	-36830	-3384	SLE RA 12	-11.7	10724	-36830	-3384	SLE RA 12	-129.8	Si
2050	-25155	-31380	-3316	SLE RA 12	-13.4	-25155	-31380	-3316	SLE RA 12	-146	Si
2080	-61033	-25931	-3249	SLE RA 12	-19.2	-61033	-25931	-3249	SLE RA 12	-201.8	Si
2110	-96911	-20481	-3181	SLE RA 12	-40.8	-96911	-20481	-3181	SLE RA 12	711.9	Si
2140	-132789	-15032	-3114	SLE RA 12	-51.7	-132789	-15032	-3114	SLE RA 12	1038.2	Si
2170	-168668	-9582	-3046	SLE RA 12	-62.3	-168668	-9582	-3046	SLE RA 12	1365.8	Si
2200	-204546	-4133	-2979	SLE RA 12	-72.8	-204546	-4133	-2979	SLE RA 12	1693.8	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²

Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	248590	65538	-82853	SLE QP 2	-54.2	Si
-111	208148	54596	-82724	SLE QP 2	-51.4	Si
-82	166998	43463	-82593	SLE QP 2	-48.5	Si
-53	125848	32330	-82463	SLE QP 2	-45.6	Si
-24	84699	21197	-82332	SLE QP 2	-42.7	Si
5	43549	10064	-82201	SLE QP 2	-39.8	Si
35	2400	-1069	-82070	SLE QP 2	-37.1	Si
64	-38750	-12202	-81939	SLE QP 2	-39.7	Si
93	-79900	-23335	-81808	SLE QP 2	-42.4	Si
122	-121049	-34468	-81677	SLE QP 2	-45.2	Si
151	-162199	-45601	-81546	SLE QP 2	-48	Si
180	-202641	-56542	-81417	SLE QP 2	-50.7	Si
200	-69469	56124	-77757	SLE QP 2	-42.9	Si
232	-41849	50664	-77615	SLE QP 2	-41.2	Si
264	-13790	45117	-77471	SLE QP 2	-39.3	Si
296	14269	39570	-77327	SLE QP 2	-38.8	Si
328	42328	34023	-77183	SLE QP 2	-39.6	Si
360	69949	28563	-77041	SLE QP 2	-40.3	Si
380	120601	-50756	-71266	SLE QP 2	-41.9	Si
414	78143	-54574	-71115	SLE QP 2	-40.2	Si
448	35684	-58392	-70963	SLE QP 2	-38.5	Si
481	-6774	-62211	-70811	SLE QP 2	-37.5	Si
515	-48603	-65973	-70661	SLE QP 2	-39.6	Si
535	111418	76907	-66934	SLE QP 2	-41.8	Si
569	120596	83864	-66782	SLE QP 2	-42.7	Si
603	129773	90821	-66630	SLE QP 2	-43.7	Si
636	138950	97777	-66478	SLE QP 2	-44.6	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
670	147992	104631	-66329	SLE QP 2	-45.5	Si
690	-76664	-90537	-54429	SLE QP 2	-35.7	Si
724	-89869	-87559	-54277	SLE QP 2	-36	Si
758	-103075	-84580	-54125	SLE QP 2	-36.3	Si
791	-116280	-81602	-53974	SLE QP 2	-36.6	Si
825	-129290	-78667	-53824	SLE QP 2	-36.8	Si
845	59683	77330	-49941	SLE QP 2	-31.8	Si
879	88741	84354	-49792	SLE QP 2	-33.7	Si
913	118236	91484	-49640	SLE QP 2	-35.5	Si
946	147732	98614	-49488	SLE QP 2	-37.4	Si
980	177227	105744	-49336	SLE QP 2	-39.3	Si
1000	-36585	-90734	-37352	SLE QP 2	-26.2	Si
1034	-68122	-89926	-37203	SLE QP 2	-27.5	Si
1068	-100132	-89106	-37051	SLE QP 2	-28.8	Si
1101	-132143	-88286	-36899	SLE QP 2	-30.2	Si
1135	-164154	-87467	-36747	SLE QP 2	-31.5	Si
1155	24275	73120	-32714	SLE QP 2	-22.1	Si
1189	29258	68489	-32562	SLE QP 2	-21.8	Si
1223	34241	63858	-32410	SLE QP 2	-21.6	Si
1256	39224	59227	-32258	SLE QP 2	-21.4	Si
1290	44133	54665	-32109	SLE QP 2	-21.1	Si
1310	117372	-47633	-25917	SLE QP 2	-21.1	Si
1344	57712	-56406	-25765	SLE QP 2	-19	Si
1378	-1949	-65179	-25613	SLE QP 2	-17.2	Si
1411	-61610	-73952	-25461	SLE QP 2	-20.6	Si
1445	-120387	-82596	-25311	SLE QP 2	-23.9	Si
1465	70011	80858	-21053	SLE QP 2	-19.6	Si
1499	55754	69648	-20901	SLE QP 2	-17.9	Si
1533	41497	58437	-20749	SLE QP 2	-16.2	Si
1566	27241	47226	-20598	SLE QP 2	-14.5	Si
1600	13195	36181	-20448	SLE QP 2	-12.9	Si
1620	72137	-31211	-14519	SLE QP 2	-12.5	Si
1654	20894	-47025	-14367	SLE QP 2	-11.4	Si
1688	-30349	-62839	-14215	SLE QP 2	-13.1	Si
1721	-81592	-78652	-14063	SLE QP 2	-16.8	Si
1755	-132076	-94232	-13914	SLE QP 2	-20.3	Si
1775	66501	69815	-9638	SLE QP 2	-13.3	Si
1809	59925	67158	-9488	SLE QP 2	-12.7	Si
1843	53250	64460	-9336	SLE QP 2	-12.1	Si
1876	46575	61763	-9184	SLE QP 2	-11.5	Si
1910	39900	59065	-9033	SLE QP 2	-9.5	Si
1930	93408	-44423	-2921	SLE QP 2	-31.9	Si
1960	65437	-39940	-2854	SLE QP 2	-35.5	Si
1990	36992	-35381	-2787	SLE QP 2	-15.9	Si
2020	8547	-30823	-2719	SLE QP 2	-9.6	Si
2050	-19898	-26264	-2652	SLE QP 2	-10.9	Si
2080	-48343	-21705	-2584	SLE QP 2	-15.4	Si
2110	-76788	-17146	-2517	SLE QP 2	-32.6	Si
2140	-105233	-12587	-2449	SLE QP 2	-41.2	Si
2170	-133679	-8029	-2382	SLE QP 2	-49.6	Si
2200	-162124	-3470	-2314	SLE QP 2	-57.8	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-140	220118	58539	-77498										No	Si
-111	183868	48892	-77369										No	Si
-82	146983	39076	-77238										No	Si
-53	110099	29260	-77108										No	Si
-24	73215	19444	-76977										No	Si
5	36330	9628	-76846										No	Si
35	-554	-188	-76715										No	Si
64	-37438	-10004	-76584										No	Si
93	-74322	-19821	-76453										No	Si
122	-111207	-29637	-76322										No	Si
151	-148091	-39453	-76191										No	Si
180	-184341	-49100	-76063										No	Si
200	-65353	51980	-72783										No	Si
232	-39426	47059	-72641										No	Si
264	-13087	42059	-72497										No	Si
296	13252	37060	-72353										No	Si
328	39590	32060	-72209										No	Si
360	65518	27139	-72068										No	Si
380	111378	-49806	-66507										No	Si
414	72491	-52068	-66355										No	Si
448	33604	-54329	-66203										No	Si
481	-5283	-56591	-66052										No	Si
515	-43594	-58819	-65902										No	Si
535	99631	69838	-62561										No	Si
569	108519	76401	-62409										No	Si
603	117406	82964	-62257										No	Si
636	126294	89527	-62105										No	Si
670	135049	95993	-61956										No	Si
690	-69265	-83485	-50830										No	Si
724	-81271	-80156	-50678										No	Si
758	-93278	-76828	-50526										No	Si
791	-105284	-73500	-50374										No	Si
825	-117113	-70221	-50225										No	Si
845	52497	70253	-46743										No	Si
879	79503	76679	-46594										No	Si
913	106916	83201	-46442										No	Si
946	134328	89723	-46290										No	Si
980	161741	96246	-46138										No	Si
1000	-32361	-84312	-34938										No	Si
1034	-61034	-82777	-34788										No	Si
1068	-90137	-81220	-34636										No	Si
1101	-119241	-79662	-34484										No	Si

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1135	-148345	-78105	-34333										No	Si
1155	20644	66589	-30717										No	Si
1189	25591	62861	-30565										No	Si
1223	30539	59134	-30413										No	Si
1256	35486	55406	-30262										No	Si
1290	40361	51734	-30112										No	Si
1310	107069	-46315	-24177										No	Si
1344	53048	-53426	-24025										No	Si
1378	-973	-60538	-23873										No	Si
1411	-54994	-67649	-23722										No	Si
1445	-128501	-87890	-26471										No	Si
1465	74956	86365	-21919										No	Si
1499	50143	63020	-19602										No	Si
1533	37693	53441	-19450										No	Si
1566	25243	43862	-19298										No	Si
1600	12978	34425	-19149										No	Si
1620	66039	-30733	-13453										No	Si
1654	19426	-44178	-13301										No	Si
1688	-32457	-66316	-14926										No	Si
1721	-86787	-83709	-14774										No	Si
1755	-140312	-100844	-14624										No	Si
1775	71426	74000	-10060										No	Si
1809	63652	71093	-9910										No	Si
1843	55762	68141	-9758										No	Si
1876	47871	65190	-9607										No	Si
1910	39980	62238	-9455										No	Si
1930	98881	-46893	-3028										No	Si
1960	69310	-42161	-2961										No	Si
1990	39239	-37349	-2894										No	Si
2020	9167	-32537	-2826										No	Si
2050	-20904	-27725	-2759										No	Si
2080	-50976	-22913	-2691										No	Si
2110	-81047	-18101	-2624										No	Si
2140	-111119	-13289	-2556										No	Si
2170	-141190	-8477	-2489										No	Si
2200	-171262	-3665	-2421	SLE FR 6	-162418	-3475	-3475	1425.6	207.3	0.0388	22.7	0.0094	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

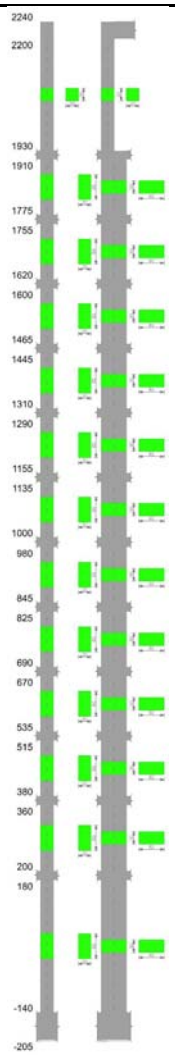
Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 835 in quanto elemento non dissipativo.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1145 in quanto elemento non dissipativo.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 2220 in quanto elemento di estremità superiore alla pilastrata.
per il nodo Appoggio 525 in quanto elemento non dissipativo.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 1765 in quanto elemento non dissipativo.
per il nodo Appoggio 1455 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 190 in quanto nodo interno a piastra.

Pilastro 64

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	180	R 30x60	No	No	No	No		C30/37	B450C	
200	360	R 30x60	No	No	No	No		C30/37	B450C	
380	515	R 30x60	No	No	No	No		C30/37	B450C	
535	670	R 30x60	No	No	No	No		C30/37	B450C	
690	825	R 30x60	No	No	No	No		C30/37	B450C	
845	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1135	R 30x60	No	No	No	No		C30/37	B450C	
1155	1290	R 30x60	No	No	No	No		C30/37	B450C	
1310	1445	R 30x60	No	No	No	No		C30/37	B450C	
1465	1600	R 30x60	No	No	No	No		C30/37	B450C	
1620	1755	R 30x60	No	No	No	No		C30/37	B450C	
1775	1910	R 30x60	No	No	No	No		C30/37	B450C	
1930	2200	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-17.13	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	8.57	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	17.13	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-17.13	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	8.57	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	17.13	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-17.13	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-8.57	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	8.57	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	17.13	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-17.13	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-8.57	1.6	2.011	-140	380	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	8.57	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	17.13	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-17.13	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-8.57	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	8.57	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	17.13	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-17.13	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-8.57	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	8.57	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	17.13	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	-17.13	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	-8.57	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	8.57	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	17.13	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	-17.13	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	-8.57	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	8.57	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	17.13	1.6	2.011	690	1000	R 30x60	B450C
p.5	-9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	-17.13	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	-8.57	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	8.57	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	17.13	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	-17.13	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	-8.57	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	8.57	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	17.13	1.6	2.011	1000	1310	R 30x60	B450C
p.6	-9.67	-24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.67	-24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.67	24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.67	24.67	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.9	-17.13	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.9	-8.57	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.9	0	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.9	8.57	1.6	2.011	1310	1620	R 30x60	B450C
p.6	-9.9	17.13	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.9	-17.13	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.9	-8.57	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.9	0	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.9	8.57	1.6	2.011	1310	1620	R 30x60	B450C
p.6	9.9	17.13	1.6	2.011	1310	1620	R 30x60	B450C
p.7	-9.67	-24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.7	9.67	-24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.8	9.67	24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.8	-9.67	24.67	1.6	2.011	1620	1910	R 30x60	B450C
p.7	-9.9	-17.13	1.6	2.011	1620	1910	R 30x60	B450C
p.7	-9.9	-8.57	1.6	2.011	1620	1910	R 30x60	B450C
p.7	9.9	-17.13	1.6	2.011	1620	1910	R 30x60	B450C
p.7	9.9	-8.57	1.6	2.011	1620	1910	R 30x60	B450C
p.10	-9.9	0	1.6	2.011	1620	1910	R 30x60	B450C
p.10	-9.9	8.57	1.6	2.011	1620	1910	R 30x60	B450C
p.10	-9.9	17.13	1.6	2.011	1620	1910	R 30x60	B450C
p.10	9.9	0	1.6	2.011	1620	1910	R 30x60	B450C
p.10	9.9	8.57	1.6	2.011	1620	1910	R 30x60	B450C
p.10	9.9	17.13	1.6	2.011	1620	1910	R 30x60	B450C
p.17	-9.67	-24.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.17	9.67	-24.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.17	9.67	-5.33	1.6	2.011	1920	2240	R 30x30_1	B450C
p.17	-9.67	-5.33	1.6	2.011	1920	2240	R 30x30_1	B450C
p.18	-9.9	-15	1.6	2.011	1926.5	2240	R 30x30_1	B450C
p.18	9.9	-15	1.6	2.011	1926.5	2240	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	28.15	3.1	0	1,2	443228	263393	-131697	1134371	674113	SLU 52	2.559	Si
-111	28.15	3.1	0	1,2	376672	263059	-131529	980070	684457	SLU 52	2.602	Si
-82	28.15	1.6	0	2	308953	262718	-131359	816051	693930	SLU 52	2.641	Si
-53	28.15	1.6	0	2	263828	263828	-131914	699019	699019	SLU 51	2.65	Si
-24	28.15	1.6	0	2	263488	263488	-131744	699019	699019	SLU 51	2.653	Si
5	28.15	1.6	0	2	263147	263147	-131574	699019	699019	SLU 51	2.656	Si
35	28.15	1.6	0	2	262807	262807	-131404	699019	699019	SLU 51	2.66	Si
64	28.15	1.6	0	2	-262467	262467	-131233	-699019	699019	SLU 51	2.663	Si
93	28.15	1.6	0	2	-262126	262126	-131063	-699019	699019	SLU 51	2.667	Si
122	28.15	1.6	0	2	-261786	261786	-130893	-699019	699019	SLU 51	2.67	Si
151	28.15	1.6	0	2	-261446	261446	-130723	-699019	699019	SLU 51	2.674	Si
180	28.15	1.6	0	2	-299360	259661	-129830	-800993	694770	SLU 52	2.676	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
200	28.15	1.6	0	2	-307307	261554	-130777	-815361	693969	SLU 52	2.653	Si
232	28.15	1.6	0	2	-261859	-261859	-130929	-699019	-699019	SLU 51	2.669	Si
264	28.15	1.6	0	2	-261484	-261484	-130742	-699019	-699019	SLU 51	2.673	Si
296	28.15	1.6	0	2	261110	-261110	-130555	699019	-699019	SLU 51	2.677	Si
328	28.15	1.6	0	2	260736	-260736	-130368	699019	-699019	SLU 51	2.681	Si
360	28.15	1.6	0	2	335395	-260367	-130184	888565	-689794	SLU 51	2.649	Si
380	28.15	3.1	0	2,3	225784	225784	-112892	699019	699019	SLU 51	3.096	Si
414	28.15	3.1	0	2,3	225395	225395	-112697	699019	699019	SLU 51	3.101	Si
448	28.15	1.6	0	3	-225000	225000	-112500	-699019	699019	SLU 51	3.107	Si
481	28.15	1.6	0	3	-224605	224605	-112303	-699019	699019	SLU 51	3.112	Si
515	28.15	1.6	0	3	-224210	224210	-112105	-699019	699019	SLU 51	3.118	Si
535	28.15	1.6	0	3	215840	-215840	-107920	699019	-699019	SLU 51	3.239	Si
569	28.15	1.6	0	3	215445	-215445	-107722	699019	-699019	SLU 51	3.245	Si
603	28.15	1.6	0	3	215050	-215050	-107525	699019	-699019	SLU 51	3.25	Si
636	28.15	1.6	0	3	214655	-214655	-107328	699019	-699019	SLU 51	3.256	Si
670	28.15	1.6	0	3	240060	-213695	-106848	781612	-695773	SLU 52	3.256	Si
690	28.15	3.1	0	3,4	-178811	209200	-89406	-680844	796554	SLU 52	3.808	Si
724	28.15	3.1	0	3,4	-178935	178935	-89467	-699019	699019	SLU 51	3.907	Si
758	28.15	1.6	0	4	-178540	178540	-89270	-699019	699019	SLU 51	3.915	Si
791	28.15	1.6	0	4	-178145	178145	-89073	-699019	699019	SLU 51	3.924	Si
825	28.15	1.6	0	4	-177756	177756	-88878	-699019	699019	SLU 51	3.932	Si
845	28.15	1.6	0	4	167751	-167751	-83876	699019	-699019	SLU 51	4.167	Si
879	28.15	1.6	0	4	167356	-167356	-83678	699019	-699019	SLU 51	4.177	Si
913	28.15	1.6	0	4	166962	-166962	-83481	699019	-699019	SLU 51	4.187	Si
946	28.15	1.6	0	4	166567	-166567	-83283	699019	-699019	SLU 51	4.197	Si
980	28.15	1.6	0	4	166178	-166178	-83089	699019	-699019	SLU 51	4.206	Si
1000	28.15	3.1	0	4,5	-130853	221767	-65426	-626120	1061137	SLU 51	4.785	Si
1034	28.15	3.1	0	4,5	-130458	181041	-65229	-657487	912415	SLU 51	5.04	Si
1068	28.15	1.6	0	5	-129782	142863	-64891	-688130	757489	SLU 52	5.302	Si
1101	28.15	1.6	0	5	-129668	129668	-64834	-699019	699019	SLU 51	5.391	Si
1135	28.15	1.6	0	5	-129279	129279	-64640	-699019	699019	SLU 51	5.407	Si
1155	28.15	1.6	0	5	190147	-130887	-59061	1073475	-738923	SLU 51	5.645	Si
1189	28.15	1.6	0	5	181343	-145486	-58864	1012072	-811955	SLU 51	5.581	Si
1223	28.15	1.6	0	5	172540	-160086	-58667	951535	-882852	SLU 51	5.515	Si
1256	28.15	1.6	0	5	165199	-177920	-58385	895678	-964649	SLU 52	5.422	Si
1290	28.15	1.6	0	5	156341	-196255	-58187	832668	-1045248	SLU 52	5.326	Si
1310	28.15	3.1	0	5,6	-125855	185417	-40498	-866849	1277095	SLU 51	6.888	Si
1344	28.15	3.1	0	5,6	-138522	162547	-40303	-993001	1165222	SLU 51	7.169	Si
1378	28.15	1.6	0	6	-151380	139333	-40106	-1128022	1038249	SLU 51	7.452	Si
1411	28.15	1.6	0	6	-164238	116119	-39908	-1268578	896902	SLU 51	7.724	Si
1445	28.15	1.6	0	6	-172217	97479	-39632	-1372331	776774	SLU 52	7.969	Si
1465	28.15	1.6	0	6	143708	-115405	-33468	1264928	-1015800	SLU 51	8.802	Si
1499	28.15	1.6	0	6	90894	-111496	-33271	847114	-1039118	SLU 51	9.32	Si
1533	28.15	1.6	0	6	66146	-107588	-33073	632900	-1029417	SLU 51	9.568	Si
1566	28.15	1.6	0	6	-65656	-104211	-32828	-636867	-1010852	SLU 52	9.7	Si
1600	28.15	1.6	0	6	-68126	-102732	-32634	-665226	-1003140	SLU 52	9.765	Si
1620	28.15	3.1	0	6,7,8,10	45498	92181	-22749	594403	1204274	SLU 51	13.064	Si
1654	28.15	3.1	0	6,7,8,10	45103	93495	-22552	589946	1222899	SLU 51	13.08	Si
1688	28.15	1.6	0	7,8,10	-44709	94809	-22354	-585481	1241575	SLU 51	13.095	Si
1721	28.15	1.6	0	7,8,10	-44314	96124	-22157	-581019	1260325	SLU 51	13.112	Si
1755	28.15	1.6	0	7,8,10	-48102	97419	-21962	-629851	1275604	SLU 51	13.094	Si
1775	28.15	1.6	0	7,8,10	287193	-125673	-15294	2475444	-1083229	SLU 51	8.619	Si
1809	28.15	1.6	0	7,8,10	221603	-133270	-15084	2130363	-1281182	SLU 52	9.613	Si
1843	28.15	1.6	0	7,8,10	151382	-143869	-14887	1610809	-1530867	SLU 52	10.641	Si
1876	28.15	1.6	0	7,8,10	81162	-154469	-14689	939678	-1788415	SLU 52	11.578	Si
1910	53.71	4.2	0	7,8,9,10,11,12,13,14,15,16	-28210	-161879	-14105	-387089	-2221268	SLU 49	13.722	Si
1930	29.1	4.5	0	7,9,11,12,13,14,15,16,17,18	63947	27641	-4507	981436	424221	SLU 47	15.348	Si
1960	12.44	4.5	0	7,9,11,12,13,14,15,16,17,18	34396	24766	-4421	617715	444765	SLU 47	17.959	Si
1990	12.06	1.3	0	17,18	8666	21842	-4333	251450	633739	SLU 47	29.014	Si
2020	12.06	1.3	0	17,18	-26427	19915	-4004	-591300	445583	SLU 51	22.375	Si
2050	12.06	1.3	0	17,18	-56289	16843	-3917	-748731	224037	SLU 51	13.301	Si
2080	12.06	1.3	0	17,18	-86152	13771	-3829	-737233	117848	SLU 51	8.557	Si
2110	12.06	1.3	0	17,18	-116014	10700	-3741	-704224	64950	SLU 51	6.07	Si
2140	12.06	1.3	0	17,18	-145876	7628	-3653	-674455	35270	SLU 51	4.623	Si
2170	12.06	1.3	0	17,18	-175739	7131	-3566	-645482	26193	SLU 51	3.673	Si
2200	12.06	1.3	0	17,18	-205601	6956	-3478	-624569	21130	SLU 51	3.038	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	28.15	3.1	0	1,2	1139034	-277373	-112276	-2.02	1.92	2080513	-506639	SLV 9	1.827				Si
-111	28.15	3.1	0	1,2	1028960	-249577	-112147	-2.02	1.92	2003261	-485897	SLV 9	1.947				Si
-82	28.15	1.6	0	2	917013	-221460	-112016	-2.02	1.92	1904098	-459842	SLV 9	2.076				Si
-53	28.15	1.6	0	2	805134	-193569	-111885	-2.02	1.92	1782152	-428461	SLV 9	2.213				Si
-24	28.15	1.6	0	2	693355	-166034	-111754	-2.02	1.92	1634853	-391489	SLV 9	2.358				Si
5	28.15	1.6	0	2	581716	-139042	-111623	-2.02	1.92	1461994	-349446	SLV 9	2.513				Si
35	28.15	1.6	0	2	470302	-113029	-111492	-2.02	1.92	1264135	-303812	SLV 9	2.688				Si
64	28.15	1.6	0	2	359250	-84371	-111362	-2.02	1.92	1039686	-244174	SLV 9	2.894				Si
93	28.15	1.6	0	2	248894	37148	-111231	-2.02	1.92	791549	118140	SLV 9	3.18				Si
122	28.15	1.6	0	2	139970	33072	-111100	-2.02	1.92	454483	107384	SLV 9	3.247				Si
151	28.15	1.6	0	2	34937	40024	-110969	-2.02	1.92	113575	130110	SLV 9	3.251				Si
180	28.15	1.6	0	2	-57304	55045	-110840	-2.02	1.92	-186501	179150	SLV 9	3.255				Si
200	28.15	1.6	0	2	196612	-231745	-105982	-2.02	1.92	562503	-663018	SLV 9	2.861				Si
232	28.15	1.6	0	2	146771	-173891	-105840	-2.02	1.92	452550	-536171	SLV 9	3.083				Si
264	28.15	1.6	0	2	104879	-116185	-105696	-2.02	1.92	349243	-386889	SLV 9	3.33				Si
296	28.15	1.6	0	2	38980	-69616	-105552	-2.02	1.92	133221	-237923	SLV 9	3.418				Si
328	28.15	1.6	0	2	-44752	9608	-105408	-2.02	1.92	-153156	32880	SLV 9	3.422				Si
360	28.15	1.6	0	2	397908	-281725	-60226	-2.02	1.92	1335669	-945674	SLV 3	3.357				Si
380	28.15	3.1	0	2,3	-142132	61102	-95451	-2.02	1.92	-535027	230005	SLV 9	3.764				Si
414	28.15	3.1	0	2,3	-129467	106579	-95301	-2.02	1.92	-468171	385403	SLV 9	3.616				Si
448	28.15	1.6	0	3	13308	151453	-95149	-2.02	1.92	48550	552511	SLV 9	3.648				Si
481	28.15	1.6	0	3	32598	191926	-94997	-2.02	1.92	112845	664392	SLV 9	3.462				Si
515	28.15	1.6	0	3	23367	233308	-94845	-2.02	1.92	77775	776554	SLV 9	3.328				Si
535	28.15	1.6	0	3	486557	-188504	-86291	-2.02	1.92	1447652	-560856	SLV 9	2.975				Si
569	28.15	1.6	0	3	337256	-153619	-86139	-2.02	1.92	1119358	-509866	SLV 9	3.319				Si
603	28.15	1.6	0	3	182251	-119606	-85987	-2.02	1.92	683827	-448775	SLV 9	3.752				Si
636	28.15	1.6	0	3	-33756	-92695	-85835	-2.02	1.92	-141866	-389569	SLV 9	4.203				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
670	28.15	1.6	0	3	-165982	-26222	-85686	-2.02	1.92	-698793	-110397	SLV 9	4.21				Si
690	28.15	3.1	0	3,4	-236186	-13136	-75791	-2.02	1.92	-1059935	-58952	SLV 9	4.488				Si
724	28.15	3.1	0	3,4	-203917	41817	-75639	-2.02	1.92	-910712	186760	SLV 9	4.466				Si
758	28.15	1.6	0	4	-180865	120901	-75487	-2.02	1.92	-747750	499843	SLV 9	4.134				Si
791	28.15	1.6	0	4	2799	175935	-75335	-2.02	1.92	11972	752639	SLV 9	4.278				Si
825	28.15	1.6	0	4	40199	233709	-75185	-2.02	1.92	156913	912268	SLV 9	3.903				Si
845	28.15	1.6	0	4	480451	-197935	-65992	-2.02	1.92	1634200	-673254	SLV 9	3.401				Si
879	28.15	1.6	0	4	310645	-155681	-65840	-2.02	1.92	1243643	-623254	SLV 9	4.003				Si
913	28.15	1.6	0	4	157134	-105779	-65688	-2.02	1.92	746087	-502248	SLV 9	4.748				Si
946	28.15	1.6	0	4	-94976	-69936	-65536	-2.02	1.92	-499639	-367913	SLV 9	5.261				Si
980	28.15	1.6	0	4	436039	-180832	-34874	-2.02	1.92	1895401	-786053	SLV 7	4.347				Si
1000	28.15	3.1	0	4,5	181842	252049	-23688	-2.02	1.92	936683	1298322	SLV 7	5.151				Si
1034	28.15	3.1	0	4,5	-257361	87045	-55247	-2.02	1.92	-1308105	442428	SLV 9	5.083				Si
1068	28.15	1.6	0	5	-215081	129207	-55095	-2.02	1.92	-1067384	641217	SLV 9	4.963				Si
1101	28.15	1.6	0	5	-190037	181311	-54943	-2.02	1.92	-891753	850806	SLV 9	4.693				Si
1135	28.15	1.6	0	5	22379	234645	-54794	-2.02	1.92	108512	1137748	SLV 9	4.849				Si
1155	28.15	1.6	0	5	489917	-207742	-45454	-2.02	1.92	1838689	-779669	SLV 9	3.753				Si
1189	28.15	1.6	0	5	332272	-171366	-45302	-2.02	1.92	1545010	-796825	SLV 9	4.65				Si
1223	28.15	1.6	0	5	176627	-157748	-42474	-2.02	1.92	1007287	-899622	SLV 5	5.703				Si
1256	28.15	1.6	0	5	286074	-208789	-25746	-2.02	1.92	1442996	-1053160	SLV 7	5.044				Si
1290	28.15	1.6	0	5	425512	-272481	-25594	-2.02	1.92	1551285	-993382	SLV 7	3.646				Si
1310	28.15	3.1	0	5,6	178178	332849	-14388	-2.02	1.92	748192	1397674	SLV 7	4.199				Si
1344	28.15	3.1	0	5,6	-220346	234524	-31947	-2.02	1.92	-1107401	1178659	SLV 5	5.026				Si
1378	28.15	1.6	0	6	-248805	156057	-34470	-2.02	1.92	-1439652	902987	SLV 9	5.786				Si
1411	28.15	1.6	0	6	-225850	182430	-34319	-2.02	1.92	-1263625	1020694	SLV 9	5.595				Si
1445	28.15	1.6	0	6	-147195	222041	-31090	-2.02	1.92	-837675	1263613	SLV 13	5.691				Si
1465	28.15	1.6	0	6	422710	-174918	-25014	-2.02	1.92	1921591	-795156	SLV 9	4.546				Si
1499	28.15	1.6	0	6	237760	-142275	-24862	-2.02	1.92	1572566	-941021	SLV 9	6.614				Si
1533	28.15	1.6	0	6	36107	-129116	-18955	-2.02	1.92	384255	-1374080	SLV 1	10.642				Si
1566	28.15	1.6	0	6	-134402	-117053	-23136	-2.02	1.92	-1176398	-1024549	SLV 5	8.753				Si
1600	28.15	1.6	0	6	282982	-141088	-15348	-2.02	1.92	1762453	-878716	SLV 7	6.228				Si
1620	28.15	3.1	0	6,7,8,10	248112	199576	-8724	-2.02	1.92	1314221	1057132	SLV 7	5.297				Si
1654	28.15	3.1	0	6,7,8,10	134167	126771	-9959	-2.02	1.92	1227072	1159425	SLV 3	9.146				Si
1688	28.15	1.6	0	7,8,10	-133186	118585	-18069	-2.02	1.92	-1238222	1102482	SLV 9	9.297				Si
1721	28.15	1.6	0	7,8,10	-111839	183614	-17917	-2.02	1.92	-819051	1344697	SLV 9	7.324				Si
1755	28.15	1.6	0	7,8,10	68038	260384	-17767	-2.02	1.92	404939	1549714	SLV 9	5.952				Si
1775	28.15	1.6	0	7,8,10	497319	-126684	-7884	-2.02	1.92	1816962	-462842	SLV 9	3.654				Si
1809	28.15	1.6	0	7,8,10	346897	-99802	-7734	-2.02	1.92	1959051	-563616	SLV 9	5.647				Si
1843	28.15	1.6	0	7,8,10	124834	-193501	-10234	-2.02	1.92	862828	-1337441	SLV 3	6.912				Si
1876	28.15	1.6	0	7,8,10	200124	-228610	-10074	-2.02	1.92	1067648	-1219619	SLV 7	5.335				Si
1910	53.71	4.2	0	7,8,9,10,11,12,13,14,15,16	254784	-284873	-9922	-2.02	1.92	1226361	-1371190	SLV 7	4.813				Si
1930	29.1	4.5	0	7,9,11,12,13,14,15,16,17,18	217784	60874	-3175	-2.02	1.92	891337	249140	SLV 7	4.093				Si
1960	12.44	4.5	0	7,9,11,12,13,14,15,16,17,18	171300	54760	-3109	-2.02	1.92	440526	140824	SLV 7	2.572				Si
1990	12.06	1.3	0	17,18	124700	48543	-3042	-2.02	1.92	433547	168769	SLV 7	3.477				Si
2020	12.06	1.3	0	17,18	-108096	-18807	-1693	-2.02	1.92	-442542	-76995	SLV 9	4.094				Si
2050	12.06	1.3	0	17,18	-100290	-16224	-1625	-2.02	1.92	-447469	-72385	SLV 9	4.462				Si
2080	12.06	1.3	0	17,18	-99954	-13640	-1558	-2.02	1.92	-450038	-61414	SLV 9	4.502				Si
2110	12.06	1.3	0	17,18	-115592	-26594	-1675	-2.02	1.92	-426401	-98099	SLV 5	3.689				Si
2140	12.06	1.3	0	17,18	-148507	-20093	-1608	-2.02	1.92	-429748	-58144	SLV 5	2.894				Si
2170	12.06	1.3	0	17,18	-190145	11240	-2637	-2.02	1.92	-457849	27065	SLV 7	2.408				Si
2200	12.06	1.3	0	17,18	-235163	5025	-2569	-2.02	1.92	-451700	9652	SLV 7	1.921				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	28.15	3.1	0	1,2	582202	-91330	-92693	1707505	-267856	SLD 9	2.933	Si
-111	28.15	3.1	0	1,2	518503	-81240	-92565	1583982	-248182	SLD 9	3.055	Si
-82	28.15	1.6	0	2	453714	-71047	-92434	1447542	-226670	SLD 9	3.19	Si
-53	28.15	1.6	0	2	388955	-60952	-92303	1298406	-203470	SLD 9	3.338	Si
-24	28.15	1.6	0	2	324241	-51014	-92172	1134757	-178537	SLD 9	3.5	Si
5	28.15	1.6	0	2	259589	-41316	-92041	954447	-151909	SLD 9	3.677	Si
35	28.15	1.6	0	2	195039	-32051	-91910	754951	-124060	SLD 9	3.871	Si
64	28.15	1.6	0	2	130652	-21834	-91779	513530	-85818	SLD 9	3.931	Si
93	28.15	1.6	0	2	66577	24959	-91648	262056	98243	SLD 9	3.936	Si
122	28.15	1.6	0	2	3149	22752	-91517	12415	89685	SLD 9	3.942	Si
151	28.15	1.6	0	2	-58499	24847	-91386	-230919	98083	SLD 9	3.947	Si
180	28.15	1.6	0	2	-113924	29873	-91258	-450339	118088	SLD 9	3.953	Si
200	28.15	1.6	0	2	-16325	-83857	-89672	-65671	-337345	SLD 9	4.023	Si
232	28.15	1.6	0	2	5178	-73782	-89531	20861	-297285	SLD 9	4.029	Si
264	28.15	1.6	0	2	32278	-64074	-89387	130265	-258587	SLD 9	4.036	Si
296	28.15	1.6	0	2	46831	-59021	-89243	189302	-238577	SLD 9	4.042	Si
328	28.15	1.6	0	2	49160	-39518	-89099	199039	-159999	SLD 9	4.049	Si
360	28.15	1.6	0	2	282385	-167024	-71287	1080593	-639147	SLD 3	3.827	Si
380	28.15	3.1	0	2,3	-47286	92020	-78805	-213796	416050	SLD 9	4.521	Si
414	28.15	3.1	0	2,3	-56563	99862	-78655	-251938	444793	SLD 9	4.454	Si
448	28.15	1.6	0	3	-945	107580	-78503	-4307	490205	SLD 9	4.557	Si
481	28.15	1.6	0	3	-5572	112862	-78352	-25174	509929	SLD 9	4.518	Si
515	28.15	1.6	0	3	-26427	118582	-78200	-117287	526288	SLD 9	4.438	Si
535	28.15	1.6	0	3	225175	-100475	-73539	944430	-421414	SLD 9	4.194	Si
569	28.15	1.6	0	3	177754	-94948	-73387	776593	-414820	SLD 9	4.369	Si
603	28.15	1.6	0	3	130326	-89587	-73235	593676	-408097	SLD 9	4.555	Si
636	28.15	1.6	0	3	62799	-98332	-70923	303871	-475806	SLD 5	4.839	Si
670	28.15	1.6	0	3	208365	-131263	-58798	993205	-625689	SLD 3	4.767	Si
690	28.15	3.1	0	3,4	-128569	63732	-62690	-688122	341106	SLD 9	5.352	Si
724	28.15	3.1	0	3,4	-121695	74049	-62538	-646050	393110	SLD 9	5.309	Si
758	28.15	1.6	0	4	-118194	95312	-62386	-610099	491989	SLD 9	5.162	Si
791	28.15	1.6	0	4	-33797	106111	-62234	-183064	574761	SLD 9	5.417	Si
825	28.15	1.6	0	4	-23431	118033	-62084	-125489	632149	SLD 9	5.356	Si
845	28.15	1.6	0	4	233888	-112833	-56872	1146701	-553195	SLD 9	4.903	Si
879	28.15	1.6	0	4	171906	-101673	-56720	902141	-533565	SLD 9	5.248	Si
913	28.15	1.6	0	4	117284	-87030	-56569	661140	-490592	SLD 9	5.637	Si
946	28.15	1.6	0	4	101431	-103830	-49114	624471	-639245	SLD 1	6.157	Si
980	28.15	1.6	0	4	228084	-130320	-43993	1278243	-730347	SLD 7	5.604	Si
1000	28.15	3.1	0	4,5	-164904	81724	-45916	-1042550	516669	SLD 9	6.322	Si
1034	28.15	3.1	0	4,5	-146455	98411	-45764	-916895	616111	SLD 9	6.261	Si
1068	28.15	1.6	0	5	-131725	100775	-45612	-834722	638598	SLD 9	6.337	Si
1101	28.15	1.6	0	5	-123413	106877	-45460	-781142	676478	SLD 9	6.33	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1135	28.15	1.6	0	5	-82495	102735	-43369	-566009	704876	SLD 13	6.861	Si
1155	28.15	1.6	0	5	264446	-130031	-39787	1502069	-738583	SLD 9	5.68	Si
1189	28.15	1.6	0	5	200707	-119049	-39636	1250800	-741914	SLD 9	6.232	Si
1223	28.15	1.6	0	5	133799	-118188	-38358	914495	-807798	SLD 5	6.835	Si
1256	28.15	1.6	0	5	171647	-146457	-31412	1160075	-989827	SLD 7	6.758	Si
1290	28.15	1.6	0	5	219460	-180769	-31260	1274133	-1049505	SLD 7	5.806	Si
1310	28.15	3.1	0	5,6	30731	198910	-20403	238962	1546716	SLD 7	7.776	Si
1344	28.15	3.1	0	5,6	-136856	151496	-27478	-1003501	1110851	SLD 5	7.333	Si
1378	28.15	1.6	0	6	-155124	111591	-28455	-1230453	885150	SLD 9	7.932	Si
1411	28.15	1.6	0	6	-151638	112520	-28304	-1208678	896874	SLD 9	7.971	Si
1445	28.15	1.6	0	6	-119086	119892	-26940	-996491	1003233	SLD 13	8.368	Si
1465	28.15	1.6	0	6	225983	-112186	-22407	1714337	-851057	SLD 9	7.586	Si
1499	28.15	1.6	0	6	132764	-98660	-22255	1263874	-939212	SLD 9	9.52	Si
1533	28.15	1.6	0	6	10488	-88449	-21495	131165	-1106198	SLD 5	12.507	Si
1566	28.15	1.6	0	6	-58427	-87055	-21343	-680615	-1014100	SLD 5	11.649	Si
1600	28.15	1.6	0	6	-167631	-34660	-21801	-1880500	-388822	SLD 9	11.218	Si
1620	28.15	3.1	0	6,7,8,10	104614	115380	-11524	1106149	1219985	SLD 7	10.574	Si
1654	28.15	3.1	0	6,7,8,10	54546	86057	-11926	808899	1276199	SLD 3	14.83	Si
1688	28.15	1.6	0	7,8,10	-57792	83231	-15269	-803404	1157047	SLD 9	13.902	Si
1721	28.15	1.6	0	7,8,10	-58197	107607	-15117	-705258	1304024	SLD 9	12.118	Si
1755	28.15	1.6	0	7,8,10	19877	137041	-14967	222481	1533899	SLD 9	11.193	Si
1775	28.15	1.6	0	7,8,10	309678	-94635	-8655	2084168	-636902	SLD 9	6.73	Si
1809	28.15	1.6	0	7,8,10	226546	-87374	-8506	1941881	-748941	SLD 9	8.572	Si
1843	28.15	1.6	0	7,8,10	139266	-111723	-9189	1359817	-1090883	SLD 1	9.764	Si
1876	28.15	1.6	0	7,8,10	117196	-146407	-9303	1011320	-1263390	SLD 7	8.629	Si
1910	53.71	4.2	0	7,8,9,10,11,12,13,14,15,16	112021	-172504	-9151	981067	-1510762	SLD 7	8.758	Si
1930	29.1	4.5	0	7,9,11,12,13,14,15,16,17,18	116813	37998	-2828	845462	275023	SLD 7	7.238	Si
1960	12.44	4.5	0	7,9,11,12,13,14,15,16,17,18	86196	34149	-2761	481895	190917	SLD 7	5.591	Si
1990	12.06	1.3	0	17,18	55376	30234	-2694	489085	267028	SLD 7	8.832	Si
2020	12.06	1.3	0	17,18	-42574	26953	-2117	-466062	295055	SLD 13	10.947	Si
2050	12.06	1.3	0	17,18	-52045	22945	-2050	-485858	214200	SLD 13	9.335	Si
2080	12.06	1.3	0	17,18	-64989	18938	-1982	-483895	141007	SLD 13	7.446	Si
2110	12.06	1.3	0	17,18	-88679	-9278	-1922	-486110	-50857	SLD 5	5.482	Si
2140	12.06	1.3	0	17,18	-114841	-7138	-1855	-468090	-29096	SLD 5	4.076	Si
2170	12.06	1.3	0	17,18	-144125	6745	-2289	-469899	21991	SLD 7	3.26	Si
2200	12.06	1.3	0	17,18	-174567	2831	-2221	-461045	7476	SLD 7	2.641	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	7X/2Y Ø8/10	-313	-90784	SLU 15	15366	58630	60274	1.9	187.1	-2350	-122854	SLU 46	15029	48390	55356	2.5	20.59	Si
-111	7X/2Y Ø8/10	-313	-90656	SLU 15	15366	58630	60274	1.9	187.1	-2350	-122687	SLU 46	15029	48390	55356	2.5	20.59	Si
-82	7X/2Y Ø8/10	-313	-90525	SLU 15	15366	58630	60274	1.9	187.1	-2350	-122517	SLU 46	15029	48390	55356	2.5	20.59	Si
-53	7X/2Y Ø8/10	-313	-90394	SLU 15	15366	58630	60274	1.9	187.1	-2350	-122346	SLU 46	15029	48390	55356	2.5	20.59	Si
-24	7X/2Y Ø8/14.7	-313	-90263	SLU 15	15366	50249	51921	2.4	160.36	-2350	-122176	SLU 46	15029	32833	55356	2.5	13.97	Si
5	7X/2Y Ø8/14.7	-313	-90132	SLU 15	15366	50249	51921	2.4	160.36	-2350	-122006	SLU 46	15029	32833	55356	2.5	13.97	Si
35	7X/2Y Ø8/14.7	-313	-90001	SLU 15	15366	50249	51921	2.4	160.36	-2350	-121836	SLU 46	15029	32833	55356	2.5	13.97	Si
64	7X/2Y Ø8/14.7	-313	-89870	SLU 15	15366	50249	51921	2.4	160.36	-2350	-121666	SLU 46	15029	32833	55356	2.5	13.97	Si
93	7X/2Y Ø8/14.7	-313	-89739	SLU 15	15366	50249	51921	2.4	160.36	-2350	-121496	SLU 46	15029	32833	55356	2.5	13.97	Si
122	7X/2Y Ø8/14.7	-313	-89608	SLU 15	15366	50249	51921	2.4	160.36	-2350	-121325	SLU 46	15029	32833	55356	2.5	13.97	Si
151	7X/2Y Ø8/14.7	-313	-89477	SLU 15	15366	50249	51921	2.4	160.36	-2350	-121155	SLU 46	15029	32833	55356	2.5	13.97	Si
180	7X/2Y Ø8/14.7	-313	-89349	SLU 15	15366	50249	51921	2.4	160.36	-2350	-120988	SLU 46	15029	32833	55356	2.5	13.97	Si
200	7X/2Y Ø8/14.7	-2095	-121621	SLU 45	15366	50249	51921	2.4	23.99	3760	-130163	SLU 50	15029	32833	55356	2.5	8.73	Si
232	7X/2Y Ø8/14.7	-2095	-121436	SLU 45	15366	50249	51921	2.4	23.99	3760	-129979	SLU 50	15029	32833	55356	2.5	8.73	Si
264	7X/2Y Ø8/10	-2095	-121249	SLU 45	15366	58624	60274	1.9	27.99	3760	-129792	SLU 50	15029	48385	55356	2.5	12.87	Si
296	7X/2Y Ø8/10	-2095	-121062	SLU 45	15366	58624	60274	1.9	27.99	3760	-129604	SLU 50	15029	48385	55356	2.5	12.87	Si
328	7X/2Y Ø8/10	-2095	-120875	SLU 45	15366	58624	60274	1.9	27.99	3760	-129417	SLU 50	15029	48385	55356	2.5	12.87	Si
360	7X/2Y Ø8/10	-2095	-120690	SLU 45	15366	58624	60274	1.9	27.99	3760	-129233	SLU 50	15029	48385	55356	2.5	12.87	Si
380	7X/2Y Ø8/10	-898	-112279	SLU 49	15366	58624	60274	1.9	65.32	-1209	-112279	SLU 49	15029	48385	55356	2.5	40.02	Si
414	7X/2Y Ø8/10	-898	-112084	SLU 49	15366	58624	60274	1.9	65.32	-1209	-112084	SLU 49	15029	48385	55356	2.5	40.02	Si
448	7X/2Y Ø8/10	-898	-111887	SLU 49	15366	58624	60274	1.9	65.32	-1209	-111887	SLU 49	15029	48385	55356	2.5	40.02	Si
481	7X/2Y Ø8/14.4	-898	-111689	SLU 49	15366	51267	51921	2.4	57.12	-1209	-111689	SLU 49	15029	33497	55356	2.5	27.71	Si
515	7X/2Y Ø8/14.4	-898	-111492	SLU 49	15366	51267	51921	2.4	57.12	-1209	-111492	SLU 49	15029	33497	55356	2.5	27.71	Si
535	7X/2Y Ø8/14.4	-627	-107332	SLU 49	15366	51267	51921	2.4	81.73	1328	-100068	SLU 45	15029	33497	55356	2.5	25.23	Si
569	7X/2Y Ø8/14.4	-627	-107134	SLU 49	15366	51267	51921	2.4	81.73	1328	-99870	SLU 45	15029	33497	55356	2.5	25.23	Si
603	7X/2Y Ø8/10	-627	-106937	SLU 49	15366	58624	60274	1.9	93.46	1328	-99673	SLU 45	15029	48385	55356	2.5	36.45	Si
636	7X/2Y Ø8/10	-627	-106739	SLU 49	15366	58624	60274	1.9	93.46	1328	-99475	SLU 45	15029	48385	55356	2.5	36.45	Si
670	7X/2Y Ø8/10	-627	-106545	SLU 49	15366	58624	60274	1.9	93.46	1328	-99281	SLU 45	15029	48385	55356	2.5	36.45	Si
690	7X/2Y Ø8/10	-1108	-82971	SLU 45	15366	58624	60274	1.9	52.9	-484	-82971	SLU 45	15029	48385	55356	2.5	100.05	Si
724	7X/2Y Ø8/10	-1108	-82774	SLU 45	15366	58624	60274	1.9	52.9	-484	-82774	SLU 45	15029	48385	55356	2.5	100.05	Si
758	7X/2Y Ø8/10	-1108	-82576	SLU 45	15366	58624	60274	1.9	52.9	-484	-82576	SLU 45	15029	48385	55356	2.5	100.05	Si
791	7X/2Y Ø8/14.4	-1108	-82379	SLU 45	15366	51267	51921	2.4	46.26	-484	-82379	SLU 45	15029	33497	55356	2.5	69.26	Si
825	7X/2Y Ø8/14.4	-1108	-82184	SLU 45	15366	51267	51921	2.4	46.26	-484	-82184	SLU 45	15029	33497	55356	2.5	69.26	Si
845	7X/2Y Ø8/14.4	-474	-66034	SLU 40	15366	50199	51039	2.35	105.97	323	-75844	SLU 24	15029	33497	55008	2.5	103.59	Si
879	7X/2Y Ø8/14.4	-474	-65836	SLU 40	15366	50199	51012	2.35	105.97	323	-75692	SLU 24	15029	33497	54986	2.5	103.59	Si
913	7X/2Y Ø8/10	-474	-65639	SLU 40	15366	57082	59197	1.85	120.51	323	-75541	SLU 24	15029	48385	54965	2.5	149.63	Si
946	7X/2Y Ø8/10	-474	-65441	SLU 40	15366	57082	59166	1.85	120.51	323	-75389	SLU 24	15029	48385	54943	2.5	149.63	Si
980	7X/2Y Ø8/10	-474	-65247	SLU 40	15366	57082	59135	1.85	120.51	323	-75239	SLU 24	15029	48385	54922	2.5	149.63	Si
1000	7X/2Y Ø8/10	-1210	-64873	SLU 49	15366	57082	59077	1.85	47.19	58	-45769	SLU 16	12722	48385	50756	2.5	841.18	Si
1034	7X/2Y Ø8/10	-1210	-64675	SLU 49	15366	57082	59046	1.85	47.19	58	-45617	SLU 16	12701	48385	50734	2.5	841.18	Si
1068	7X/2Y Ø8/10	-1210	-64478	SLU 49	15366	57082	59015	1.85	47.19	58	-45465	SLU 16	12680	48385	50713	2.5	841.18	Si
1101	7X/2Y Ø8/14.4	-1210	-64280	SLU 49	15366	50199	50803	2.35	41.5	58	-45313	SLU 16	12660	33497	50691	2.5	582.35	Si
1135	7X/2Y Ø8/14.4	-1210	-64086	SLU 49	15366	50199	50777	2.35	41.5	58	-45163	SLU 16	12639	33497	50670	2.5	582.35	Si
1155	7X/2Y Ø8/14.4	-659	-46630	SLU 41	13372	49131	49149	2.3	74.55	-354	-44561	SLU 35	12557	33497	50585	2.5	94.69	Si
1189	7X/2Y Ø8/14.4	-659	-46433	SLU 41	13347	48062	49858	2.25	72.93	-354	-44364	SLU 35	12530	33497	50557	2.5	94.69	Si
1223	7X/2Y Ø8/10	-659	-46236	SLU 41	13323	55539	56999	1.8	84.28	-354	-44167	SLU 35	12503	48385	50529	2.5	136.77	Si
1256	7X/2Y Ø8/10	-659	-46038	SLU 41	13298	55539	56968	1.8	84.28	-354	-43969	SLU 35	12476	48385	50501	2.5	136.77	Si
1290	7X/2Y Ø8/10	-659	-45841	SLU 41	13274	55539	56937	1.8	84.28	-354	-43772	SLU 35	12449	48385	50473	2.5	136.77	Si
1310	7X/2Y Ø8/10	-697	-39985	SLU 49	12545	55539	56008	1.8	79.63	-384	-39985	SLU 49	11931	48385	49938	2.5	125.97	Si
1344	7X/2Y Ø8/10	-697	-39790	SLU 49	12520	55539	55977	1.8	79.63	-384	-39790	SLU 49	11905	48385	49911	2.5	125.97	Si
1378	7X/2Y Ø8/10	-697	-39593	SLU 49	12496	55539	55946	1.8	79.63	-384	-39593	SLU 49	11878	48385	49883	2.5	125.97	Si
1411	7X/2Y Ø8/14.4	-697	-39395	SLU 49	12471	48062	48882	2.25	68.91	-384	-39395	SLU 49	11851	33497	49855	2.5	87.21	Si
1445	7X/2Y Ø8/14.4	-697	-39198	SLU 49	12447	48062	48855	2.25	68.91	-384	-39198	SLU 49	11824	33497	49827	2.5	87.21	Si
1465	7X/2Y Ø8/14.4	-256	-23955	SLU 15	10549	46994	47444	2.2	183.38	-1591	-33420	SLU 52	11034	33497	49010	2.5	21.06	Si
1499	7X/2Y Ø8/14.4	-256	-23803	SLU 15	10530	46994	47423	2.2	183.38	-1591	-33223	SLU 52	11007	33497	48982	2.5	21.06	Si
1533	7X/2Y Ø8/10	-256	-23651	SLU 15	10511	53996	54203	1.75	210.7	-1591	-33026	SLU 52	10980	48385	48954	2.5	30.42	Si
1566	7X/2Y Ø8/10	-256	-23499	SLU 15	10492	53996	54179	1.75	210.7	-1591	-32828	SLU 52	10953	48385	48926	2.5	30.42	Si
1600	7X/2Y Ø8/10	-256	-23349	SLU 15	10473	53996	54155	1.75	210.7	-1591	-32634	SLU 52	10927	48385	48899	2.5	30.42	Si
1620	7X/2Y Ø8/10	158	-18862	SLU 39	9915	52453	54208	1.7	332.87	-573	-22288	SLU 49	9513	47417	48130	2.45	82.79	Si
1654	7X/2Y Ø8/10	158	-18664	SLU 39	9890	52453	54176	1.7	332.87	-573	-22090	SLU 49	9486	47417	48102	2.45	82.79	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1688	7X/2Y Ø8/10	158	-18467	SLU 39	9866	52453	54144	1.7	332.87	-573	-21893	SLU 49	9459	47417	48074	2.45	82.79	Si
1721	7X/2Y Ø8/14.4	158	-18269	SLU 39	9841	45926	47348	2.15	291.45	-573	-21695	SLU 49	9432	33497	47352	2.5	58.48	Si
1755	7X/2Y Ø8/14.4	158	-18075	SLU 39	9817	45926	47320	2.15	291.45	-573	-21501	SLU 49	9405	33497	47325	2.5	58.48	Si
1775	7X/2Y Ø8/14.4	-450	-10758	SLU 15	8906	45926	46275	2.15	101.95	-2081	-15279	SLU 52	8555	33497	46445	2.5	16.1	Si
1809	7X/2Y Ø8/14.4	-450	-10608	SLU 15	8887	45926	46253	2.15	101.95	-2081	-15084	SLU 52	8528	33497	46418	2.5	16.1	Si
1843	7X/2Y Ø8/10	-450	-10456	SLU 15	8868	52453	52836	1.7	116.44	-2081	-14887	SLU 52	8501	46450	47762	2.4	22.33	Si
1876	7X/2Y Ø8/10	-450	-10304	SLU 15	8849	52453	52811	1.7	116.44	-2081	-14689	SLU 52	8474	46450	47734	2.4	22.33	Si
1910	7X/2Y Ø8/10	-450	-10152	SLU 15	8830	52453	52786	1.7	116.44	-2081	-14492	SLU 52	8447	46450	47705	2.4	22.33	Si
1930	3X/2Y Ø8/10	-102	-4266	SLU 51	4314	24464	25137	1.85	238.94	-1002	-4507	SLU 47	4316	20959	21165	2.4	20.92	Si
1960	3X/2Y Ø8/10	-102	-4180	SLU 51	4304	24464	25124	1.85	238.94	-1002	-4421	SLU 47	4305	20959	21154	2.4	20.92	Si
1990	3X/2Y Ø8/10	-102	-4092	SLU 51	4293	24464	25110	1.85	238.94	-1002	-4333	SLU 47	4295	20959	21142	2.4	20.92	Si
2020	3X/2Y Ø8/10	-102	-4004	SLU 51	4282	24464	25096	1.85	238.94	-1002	-4245	SLU 47	4284	20959	21131	2.4	20.92	Si
2050	3X/2Y Ø8/10	-102	-3917	SLU 51	4271	24464	25083	1.85	238.94	-1002	-4158	SLU 47	4273	20959	21119	2.4	20.92	Si
2080	3X/2Y Ø8/10	-102	-3829	SLU 51	4260	24464	25069	1.85	238.94	-1002	-4070	SLU 47	4262	20959	21108	2.4	20.92	Si
2110	3X/2Y Ø8/10	-102	-3741	SLU 51	4249	24464	25055	1.85	238.94	-1002	-3982	SLU 47	4251	20959	21096	2.4	20.92	Si
2140	3X/2Y Ø8/10	-102	-3653	SLU 51	4238	24464	25041	1.85	238.94	-1002	-3894	SLU 47	4241	20959	21085	2.4	20.92	Si
2170	3X/2Y Ø8/10	-102	-3566	SLU 51	4227	24464	25028	1.85	238.94	-1002	-3807	SLU 47	4230	20959	21073	2.4	20.92	Si
2200	3X/2Y Ø8/10	-102	-3478	SLU 51	4216	24464	25014	1.85	238.94	-1002	-3719	SLU 47	4219	20959	21062	2.4	20.92	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	7X/2Y Ø8/10	-1106	-48057	SLV 7	13550	55544	57288	1.8	50.2	-3858	-112276	SLV 9	15029	48390	55356	2.5	12.54	Si
-111	7X/2Y Ø8/10	-1106	-47928	SLV 7	13534	55544	57268	1.8	50.2	-3858	-112147	SLV 9	15029	48390	55356	2.5	12.54	Si
-82	7X/2Y Ø8/10	-1106	-47797	SLV 7	13517	55544	57247	1.8	50.2	-3858	-112016	SLV 9	15029	48390	55356	2.5	12.54	Si
-53	7X/2Y Ø8/10	-1106	-47667	SLV 7	13501	55544	57226	1.8	50.2	-3858	-111885	SLV 9	15029	48390	55356	2.5	12.54	Si
-24	7X/2Y Ø8/14.7	-1106	-47536	SLV 7	13485	48156	49273	2.3	43.52	-3858	-111754	SLV 9	15029	32833	55356	2.5	8.51	Si
5	7X/2Y Ø8/14.7	-1106	-47405	SLV 7	13468	48156	49255	2.3	43.52	-3858	-111623	SLV 9	15029	32833	55356	2.5	8.51	Si
35	7X/2Y Ø8/14.7	-1106	-47274	SLV 7	13452	48156	49237	2.3	43.52	-3858	-111492	SLV 9	15029	32833	55356	2.5	8.51	Si
64	7X/2Y Ø8/14.7	-1106	-47143	SLV 7	13436	48156	49219	2.3	43.52	-3858	-111362	SLV 9	15029	32833	55356	2.5	8.51	Si
93	7X/2Y Ø8/14.7	-1106	-47012	SLV 7	13419	48156	49201	2.3	43.52	-3858	-111231	SLV 9	15029	32833	55356	2.5	8.51	Si
122	7X/2Y Ø8/14.7	-1106	-46881	SLV 7	13403	48156	49183	2.3	43.52	-3858	-111100	SLV 9	15029	32833	55356	2.5	8.51	Si
151	7X/2Y Ø8/14.7	-1106	-46750	SLV 7	13387	48156	49166	2.3	43.52	-3858	-110969	SLV 9	15029	32833	55356	2.5	8.51	Si
180	7X/2Y Ø8/14.7	-1106	-46622	SLV 7	13371	48156	49148	2.3	43.52	-3858	-110840	SLV 9	15029	32833	55356	2.5	8.51	Si
200	7X/2Y Ø8/14.7	-3421	-60941	SLV 3	15154	49203	50353	2.35	14.38	6089	-52343	SLV 7	13620	32833	51685	2.5	5.39	Si
232	7X/2Y Ø8/14.7	-3421	-60800	SLV 3	15136	49203	50334	2.35	14.38	6089	-52201	SLV 7	13601	32833	51665	2.5	5.39	Si
264	7X/2Y Ø8/10	-3421	-60656	SLV 3	15118	57082	58418	1.85	16.69	6089	-52057	SLV 7	13581	48385	51645	2.5	7.95	Si
296	7X/2Y Ø8/10	-3421	-60512	SLV 3	15100	57082	58396	1.85	16.69	6089	-51913	SLV 7	13562	48385	51624	2.5	7.95	Si
328	7X/2Y Ø8/10	-3421	-60368	SLV 3	15082	57082	58373	1.85	16.69	6089	-51769	SLV 7	13542	48385	51604	2.5	7.95	Si
360	7X/2Y Ø8/10	-3421	-60226	SLV 3	15065	57082	58351	1.85	16.69	6089	-51628	SLV 7	13523	48385	51584	2.5	7.95	Si
380	7X/2Y Ø8/10	-2336	-40714	SLV 7	12635	55539	56124	1.8	23.78	-2266	-40714	SLV 7	12031	48385	50041	2.5	21.35	Si
414	7X/2Y Ø8/10	-2336	-40564	SLV 7	12617	55539	56100	1.8	23.78	-2266	-40564	SLV 7	12011	48385	50020	2.5	21.35	Si
448	7X/2Y Ø8/10	-2336	-40412	SLV 7	12598	55539	56076	1.8	23.78	-2266	-40412	SLV 7	11990	48385	49998	2.5	21.35	Si
481	7X/2Y Ø8/14.4	-2336	-40260	SLV 7	12579	48062	49002	2.25	20.58	-2266	-40260	SLV 7	11969	33497	49977	2.5	14.78	Si
515	7X/2Y Ø8/14.4	-2336	-40108	SLV 7	12560	48062	48981	2.25	20.58	-2266	-40108	SLV 7	11948	33497	49956	2.5	14.78	Si
535	7X/2Y Ø8/14.4	-1933	-44080	SLV 7	13054	48062	49531	2.25	24.87	5610	-44080	SLV 7	12491	33497	50517	2.5	5.97	Si
569	7X/2Y Ø8/14.4	-1933	-43928	SLV 7	13035	48062	49510	2.25	24.87	5610	-43928	SLV 7	12470	33497	50496	2.5	5.97	Si
603	7X/2Y Ø8/10	-1933	-43776	SLV 7	13017	55539	56609	1.8	28.74	5610	-43776	SLV 7	12450	48385	50474	2.5	8.62	Si
636	7X/2Y Ø8/10	-1933	-43624	SLV 7	12998	55539	56585	1.8	28.74	5610	-43624	SLV 7	12429	48385	50453	2.5	8.62	Si
670	7X/2Y Ø8/10	-1933	-43474	SLV 7	12979	55539	56561	1.8	28.74	5610	-43474	SLV 7	12408	48385	50431	2.5	8.62	Si
690	7X/2Y Ø8/10	-2878	-32437	SLV 7	11605	53996	55617	1.75	18.76	-1799	-32437	SLV 7	10900	48385	48871	2.5	26.89	Si
724	7X/2Y Ø8/10	-2878	-32285	SLV 7	11586	53996	55593	1.75	18.76	-1799	-32285	SLV 7	10879	48385	48849	2.5	26.89	Si
758	7X/2Y Ø8/10	-2878	-32133	SLV 7	11567	53996	55568	1.75	18.76	-1799	-32133	SLV 7	10858	48385	48828	2.5	26.89	Si
791	7X/2Y Ø8/14.4	-2878	-31981	SLV 7	11548	46994	48574	2.2	16.33	-1799	-31981	SLV 7	10838	33497	48807	2.5	18.62	Si
825	7X/2Y Ø8/14.4	-2878	-31832	SLV 7	11529	46994	48553	2.2	16.33	-1799	-31832	SLV 7	10817	33497	48785	2.5	18.62	Si
845	7X/2Y Ø8/14.4	-1957	-35479	SLV 7	11984	48062	48339	2.25	24.56	5544	-35479	SLV 7	11316	33497	49301	2.5	6.04	Si
879	7X/2Y Ø8/14.4	-1957	-35327	SLV 7	11965	48062	48318	2.25	24.56	5544	-35327	SLV 7	11295	33497	49280	2.5	6.04	Si
913	7X/2Y Ø8/10	-1957	-35175	SLV 7	11946	53996	56058	1.75	27.59	5544	-35175	SLV 7	11274	48385	49258	2.5	8.73	Si
946	7X/2Y Ø8/10	-1957	-35023	SLV 7	11927	53996	56033	1.75	27.59	5544	-35023	SLV 7	11253	48385	49237	2.5	8.73	Si
980	7X/2Y Ø8/10	-1957	-34874	SLV 7	11908	53996	56009	1.75	27.59	5544	-34874	SLV 7	11233	48385	49215	2.5	8.73	Si
1000	7X/2Y Ø8/10	-3083	-23688	SLV 7	10516	53996	54210	1.75	17.51	-1831	-23688	SLV 7	9704	47417	48331	2.45	25.9	Si
1034	7X/2Y Ø8/10	-3083	-23537	SLV 7	10497	53996	54185	1.75	17.51	-1831	-23537	SLV 7	9684	47417	48310	2.45	25.9	Si
1068	7X/2Y Ø8/10	-3083	-23385	SLV 7	10478	53996	54161	1.75	17.51	-1831	-23385	SLV 7	9663	47417	48288	2.45	25.9	Si
1101	7X/2Y Ø8/14.4	-3083	-23233	SLV 7	10459	46994	47343	2.2	15.24	1843	-54943	SLV 9	13976	33497	52053	2.5	18.18	Si
1135	7X/2Y Ø8/14.4	-3083	-23083	SLV 7	10440	46994	47322	2.2	15.24	1843	-54794	SLV 9	13955	33497	52032	2.5	18.18	Si
1155	7X/2Y Ø8/14.4	-2221	-26202	SLV 7	10829	46994	47760	2.2	21.16	-5172	-45454	SLV 9	12679	33497	50711	2.5	6.48	Si
1189	7X/2Y Ø8/14.4	-2221	-26050	SLV 7	10810	46994	47739	2.2	21.16	-5172	-45302	SLV 9	12658	33497	50690	2.5	6.48	Si
1223	7X/2Y Ø8/10	-2221	-25898	SLV 7	10791	53996	54565	1.75	24.31	-5172	-45150	SLV 9	12637	48385	50668	2.5	9.35	Si
1256	7X/2Y Ø8/10	-2221	-25746	SLV 7	10772	53996	54541	1.75	24.31	-5172	-44998	SLV 9	12617	48385	50647	2.5	9.35	Si
1290	7X/2Y Ø8/10	-2221	-25594	SLV 7	10753	53996	54516	1.75	24.31	-5172	-44846	SLV 9	12596	48385	50625	2.5	9.35	Si
1310	7X/2Y Ø8/10	-3311	-14388	SLV 7	9358	52453	53478	1.7	15.84	-1815	-14388	SLV 7	8433	46450	47690	2.4	25.59	Si
1344	7X/2Y Ø8/10	-3311	-14239	SLV 7	9339	52453	53453	1.7	15.84	-1815	-14239	SLV 7	8413	46450	47668	2.4	25.59	Si
1378	7X/2Y Ø8/10	-3311	-14087	SLV 7	9320	52453	53429	1.7	15.84	-1815	-14087	SLV 7	8392	46450	47646	2.4	25.59	Si
1411	7X/2Y Ø8/14.4	-3311	-13935	SLV 7	9301	45926	46729	2.15	13.87	-1815	-13935	SLV 7	8371	33497	46255	2.5	18.45	Si
1445	7X/2Y Ø8/14.4	-3311	-13783	SLV 7	9282	45926	46707	2.15	13.87	-1815	-13783	SLV 7	8351	33497	46234	2.5	18.45	Si
1465	7X/2Y Ø8/14.4	-1204	-16967	SLV 3	9679	45926	47162	2.15	38.14	-5705	-25014	SLV 9	9885	33497	47822	2.5	5.87	Si
1499	7X/2Y Ø8/14.4	-1204	-16815	SLV 3	9660	45926	47140	2.15	38.14	-5705	-24862	SLV 9	9865	33497	47800	2.5	5.87	Si
1533	7X/2Y Ø8/10	-1204	-16663	SLV 3	9641	52453	53849	1.7	43.56	-5705	-24710	SLV 9	9844	47417	48478	2.45	8.31	Si
1566	7X/2Y Ø8/10	-1204	-16512	SLV 3	9622	52453	53824	1.7	43.56	-5705	-24558	SLV 9	9823	47417	48456	2.45	8.31	Si
1600	7X/2Y Ø8/10	-1204	-16362	SLV 3	9604	52453	53800	1.7	43.56	-5705	-24409	SLV 9	9803	47417	48435	2.45	8.31	Si
1620	7X/2Y Ø8/10	-2508	-10111	SLV 3	8825	52453	52780	1.7	20.91	-2238	-8724	SLV 7	7659	46450	46865	2.4	20.75	Si
1654	7X/2Y Ø8/10	-2508	-9959	SLV 3	8806	52453	52755	1.7	20.91	-2238	-8572	SLV 7	7639	46450	46843	2.4	20.75	Si
1688	7X/2Y Ø8/10	-2508	-9808	SLV 3	8787	52453	52730	1.7	20.91	-2238	-8420	SLV 7	7618	46450	46821	2.4	20.75	Si
1721	7X/2Y Ø8/14.4	-2505	-8269	SLV 7	8596	44858	46613	2.1	17.91	-2238	-8269	SLV 7	7597	33497	45454	2.5	14.97	Si
1755	7X/2Y Ø8/14.4	-2505	-8119	SLV 7	8577	44858	46591	2.1	17.91	-2238	-8119	SLV 7	7577	33497	45433	2.5	14.97	Si
1775	7X/2Y Ø8/14.4	-1854	-10535	SLV 3	8878	45926	46243	2.15	24.78	-4987	-7884	SLV 9	7544	33497	45400	2.5	6.72	Si
1809	7X/2Y Ø8/14.4	-1854	-10385	SLV 3	8859	45926	46222	2.15	24.78	-4987	-7734	SLV 9	7524	33497	45379	2.5	6.72	Si
1843	7X/2Y Ø8/10	-1854	-10234	SLV 3	8841	52453	52800	1.7	28.3	-4987	-7583	SLV 9	7503	46450	46699	2.4	9.31	Si
1876	7X/2Y Ø8/10	-1854	-10082	SLV 3	8822	52453	52775	1.7	28.3	-4987	-7431	SLV 9	7482	46450	46677	2.4	9.31	Si
1910	7X/2Y Ø8/10	-1854	-9930	SLV 3	8803	52453	52750	1.7	28.3	-4987	-7279	SLV 9	7462	46450	46655	2.4	9.31	Si
1930	3X/2Y Ø8/10	-342	-2391	SLV 15	4081	24464	24844	1.85	71.51	-1620	-3175	SLV 7	4152	20959	20990	2.4	12.94	Si
1960	3X/2Y Ø8/10	-342	-2324	SLV 15	4073	24464	24834	1.85	71.51	-1620	-3109	SLV 7	4144	20959	20981	2.4	12.94	Si
1990	3X/2Y Ø8/10	-342	-2257	SLV 15	4064	24464	24823	1.85	71.51	-1620	-3042	SLV 7	4135	20959	20973	2.4	12.94	Si
2020	3X/2Y Ø8/10	-342	-2189	SLV 15	4056	24464	24813	1.85	71.51	-1620	-2974	SLV 7	4127	20959	20964	2.4	12.94	Si
2050	3X/2Y Ø8/10	-342	-2122	SLV 15	4047	24464	24802	1.85	71.51	-1620	-2907	SLV 7	4119	20522	21265	2.35	12.67	Si
2080	3X/2Y Ø8/10	-342	-2054	SLV 15	4039	24464	24792	1.85	71.51	-1620	-2839	SLV 7	4110	20522	21256	2.35	12.67	Si
2110	3X/2Y Ø8/10	-342	-1987	SLV 15	4031	24464	24781	1.85	71.51	-1620	-2772	SLV 7	4102	20522	21247	2.35	12.67	Si
2140	3X/2Y Ø8/10	-342	-1919	SLV 15	4022	24464	24770	1.85	71.51	-1620	-2704	SLV 7	4094	20522	21238	2.35	12.67	Si
2170	3X/2Y Ø8/10	-342	-1852	SLV 15	4014	24464	24760	1.85	71.51	-1620	-2637	SLV 7	4085	20522	21229	2.35	12.67	Si

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
2200	3X/2Y Ø8/10	-342	-1784	SLV 15	4005	24464	24749	1.85	71.51	-1620	-2569	SLV 7	4077	20522	21220	2.35	12.67	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	7X/2Y Ø8/10	-475	-67639	SLD 7	15988	66345	54399	2.15	114.61	-2232	-92693	SLD 9	19135	48390	55356	2.5	21.68	Si
-111	7X/2Y Ø8/10	-475	-67511	SLD 7	15972	66345	54380	2.15	114.57	-2232	-92565	SLD 9	19117	48390	55356	2.5	21.68	Si
-82	7X/2Y Ø8/10	-475	-67380	SLD 7	15955	66345	54362	2.15	114.53	-2232	-92434	SLD 9	19099	48390	55356	2.5	21.68	Si
-53	7X/2Y Ø8/10	-475	-67249	SLD 7	15939	66345	54343	2.15	114.49	-2232	-92303	SLD 9	19081	48390	55356	2.5	21.68	Si
-24	7X/2Y Ø8/14.7	-475	-67118	SLD 7	15923	52343	48988	2.5	103.21	-2232	-92172	SLD 9	19064	32833	55356	2.5	14.71	Si
5	7X/2Y Ø8/14.7	-475	-66987	SLD 7	15906	52343	48971	2.5	103.18	-2232	-92041	SLD 9	19046	32833	55356	2.5	14.71	Si
35	7X/2Y Ø8/14.7	-475	-66856	SLD 7	15890	52343	48954	2.5	103.14	-2232	-91910	SLD 9	19028	32833	55356	2.5	14.71	Si
64	7X/2Y Ø8/14.7	-475	-66725	SLD 7	15874	52343	48937	2.5	103.1	-2232	-91779	SLD 9	19010	32833	55356	2.5	14.71	Si
93	7X/2Y Ø8/14.7	-475	-66594	SLD 7	15857	52343	48920	2.5	103.07	-2232	-91648	SLD 9	18992	32833	55356	2.5	14.71	Si
122	7X/2Y Ø8/14.7	-475	-66464	SLD 7	15841	52343	48903	2.5	103.03	-2232	-91517	SLD 9	18974	32833	55356	2.5	14.71	Si
151	7X/2Y Ø8/14.7	-475	-66333	SLD 7	15825	52343	48887	2.5	103	-2232	-91386	SLD 9	18956	32833	55356	2.5	14.71	Si
180	7X/2Y Ø8/14.7	-475	-66204	SLD 7	15809	52343	48870	2.5	102.96	-2232	-91258	SLD 9	18939	32833	55356	2.5	14.71	Si
200	7X/2Y Ø8/14.7	-1741	-72003	SLD 3	16531	52343	49617	2.5	28.5	3772	-68652	SLD 7	15849	32833	53991	2.5	8.71	Si
232	7X/2Y Ø8/14.7	-1741	-71861	SLD 3	16513	52343	49599	2.5	28.49	3772	-68511	SLD 7	15830	32833	53971	2.5	8.71	Si
264	7X/2Y Ø8/10	-1741	-71717	SLD 3	16495	66338	54981	2.15	31.58	3772	-68367	SLD 7	15810	48385	53951	2.5	12.83	Si
296	7X/2Y Ø8/10	-1741	-71573	SLD 3	16477	66338	54961	2.15	31.57	3772	-68223	SLD 7	15791	48385	53930	2.5	12.83	Si
328	7X/2Y Ø8/10	-1741	-71429	SLD 3	16459	66338	54940	2.15	31.56	3772	-68079	SLD 7	15771	48385	53910	2.5	12.83	Si
360	7X/2Y Ø8/10	-1741	-71287	SLD 3	16442	66338	54920	2.15	31.55	3772	-67937	SLD 7	15752	48385	53890	2.5	12.83	Si
380	7X/2Y Ø8/10	-1271	-57359	SLD 7	14708	64795	53730	2.1	42.26	-1343	-57359	SLD 7	14306	48385	52394	2.5	36.02	Si
414	7X/2Y Ø8/10	-1271	-57210	SLD 7	14689	64795	53709	2.1	42.24	-1343	-57210	SLD 7	14285	48385	52373	2.5	36.02	Si
448	7X/2Y Ø8/10	-1271	-57058	SLD 7	14670	64795	53687	2.1	42.23	-1343	-57058	SLD 7	14265	48385	52352	2.5	36.02	Si
481	7X/2Y Ø8/14.4	-1271	-56906	SLD 7	14651	53403	47672	2.5	37.5	-1343	-56906	SLD 7	14244	33497	52330	2.5	24.93	Si
515	7X/2Y Ø8/14.4	-1271	-56754	SLD 7	14632	53403	47653	2.5	37.48	-1343	-56754	SLD 7	14223	33497	52309	2.5	24.93	Si
535	7X/2Y Ø8/14.4	-1016	-56832	SLD 7	14642	53403	47663	2.5	46.92	2502	-56832	SLD 7	14234	33497	52320	2.5	13.39	Si
569	7X/2Y Ø8/14.4	-1016	-56680	SLD 7	14623	53403	47643	2.5	46.91	2502	-56680	SLD 7	14213	33497	52298	2.5	13.39	Si
603	7X/2Y Ø8/10	-1016	-56528	SLD 7	14604	64795	53610	2.1	52.78	2502	-56528	SLD 7	14192	48385	52277	2.5	19.34	Si
636	7X/2Y Ø8/10	-1016	-56376	SLD 7	14585	64795	53588	2.1	52.76	2502	-56376	SLD 7	14172	48385	52255	2.5	19.34	Si
670	7X/2Y Ø8/10	-1016	-56226	SLD 7	14567	64795	53566	2.1	52.74	2502	-56226	SLD 7	14151	48385	52234	2.5	19.34	Si
690	7X/2Y Ø8/10	-1470	-45538	SLD 7	13236	64795	52016	2.1	35.39	-862	-45538	SLD 7	12690	48385	50723	2.5	56.13	Si
724	7X/2Y Ø8/10	-1470	-45386	SLD 7	13217	64795	51994	2.1	35.37	-862	-45386	SLD 7	12670	48385	50702	2.5	56.13	Si
758	7X/2Y Ø8/10	-1470	-45234	SLD 7	13198	64795	51972	2.1	35.36	-862	-45234	SLD 7	12649	48385	50680	2.5	56.13	Si
791	7X/2Y Ø8/14.4	-1470	-45082	SLD 7	13179	53403	46150	2.5	31.4	-862	-45082	SLD 7	12628	33497	50659	2.5	38.86	Si
825	7X/2Y Ø8/14.4	-1470	-44933	SLD 7	13161	53403	46130	2.5	31.38	-862	-44933	SLD 7	12608	33497	50638	2.5	38.86	Si
845	7X/2Y Ø8/14.4	-989	-44598	SLD 7	13119	53403	46087	2.5	46.59	2238	-44598	SLD 7	12562	33497	50590	2.5	14.97	Si
879	7X/2Y Ø8/14.4	-989	-44446	SLD 7	13100	53403	46068	2.5	46.57	2238	-44446	SLD 7	12541	33497	50569	2.5	14.97	Si
913	7X/2Y Ø8/10	-989	-44294	SLD 7	13081	64795	51836	2.1	52.4	2238	-44294	SLD 7	12520	48385	50547	2.5	21.62	Si
946	7X/2Y Ø8/10	-989	-44142	SLD 7	13062	64795	51814	2.1	52.38	2238	-44142	SLD 7	12500	48385	50526	2.5	21.62	Si
980	7X/2Y Ø8/10	-989	-43993	SLD 7	13044	63253	52576	2.05	53.15	2238	-43993	SLD 7	12479	48385	50505	2.5	21.62	Si
1000	7X/2Y Ø8/10	-1656	-33172	SLD 7	11696	63253	50983	2.05	30.79	722	-45916	SLD 9	12742	48385	50777	2.5	67	Si
1034	7X/2Y Ø8/10	-1656	-33020	SLD 7	11677	63253	50961	2.05	30.77	722	-45764	SLD 9	12721	48385	50755	2.5	67	Si
1068	7X/2Y Ø8/10	-1656	-32868	SLD 7	11659	63253	50939	2.05	30.76	722	-45612	SLD 9	12700	48385	50734	2.5	67	Si
1101	7X/2Y Ø8/14.4	-1656	-32716	SLD 7	11640	53403	44557	2.5	26.91	722	-45460	SLD 9	12680	33497	50712	2.5	46.39	Si
1135	7X/2Y Ø8/14.4	-1656	-32567	SLD 7	11621	53403	44538	2.5	26.89	722	-45310	SLD 9	12659	33497	50691	2.5	46.39	Si
1155	7X/2Y Ø8/14.4	-1148	-31868	SLD 7	11534	53403	44448	2.5	38.7	-2137	-39787	SLD 9	11905	33497	49910	2.5	15.68	Si
1189	7X/2Y Ø8/14.4	-1148	-31716	SLD 7	11515	53403	44428	2.5	38.69	-2137	-39636	SLD 9	11884	33497	49889	2.5	15.68	Si
1223	7X/2Y Ø8/10	-1148	-31564	SLD 7	11496	63253	50747	2.05	44.19	-2137	-39484	SLD 9	11863	48385	49867	2.5	22.64	Si
1256	7X/2Y Ø8/10	-1148	-31412	SLD 7	11477	63253	50724	2.05	44.17	-2137	-39332	SLD 9	11842	48385	49846	2.5	22.64	Si
1290	7X/2Y Ø8/10	-1148	-31260	SLD 7	11458	63253	50702	2.05	44.15	-2137	-39180	SLD 9	11821	48385	49824	2.5	22.64	Si
1310	7X/2Y Ø8/10	-1572	-20403	SLD 7	10107	61710	49847	2	31.7	-834	-20403	SLD 7	9255	48385	47170	2.5	56.54	Si
1344	7X/2Y Ø8/10	-1572	-20254	SLD 7	10088	61710	49824	2	31.69	-834	-20254	SLD 7	9235	48385	47149	2.5	56.51	Si
1378	7X/2Y Ø8/10	-1572	-20102	SLD 7	10069	61710	49802	2	31.67	-834	-20102	SLD 7	9214	48385	47127	2.5	56.49	Si
1411	7X/2Y Ø8/14.4	-1572	-19950	SLD 7	10050	53403	42913	2.5	27.29	-834	-19950	SLD 7	9193	33497	47106	2.5	40.15	Si
1445	7X/2Y Ø8/14.4	-1572	-19798	SLD 7	10031	53403	42893	2.5	27.28	-834	-19798	SLD 7	9173	33497	47084	2.5	40.15	Si
1465	7X/2Y Ø8/14.4	-512	-18984	SLD 3	9930	53403	42788	2.5	83.52	-2862	-22407	SLD 9	9529	33497	47453	2.5	11.7	Si
1499	7X/2Y Ø8/14.4	-512	-18832	SLD 3	9911	53403	42769	2.5	83.48	-2862	-22255	SLD 9	9508	33497	47431	2.5	11.7	Si
1533	7X/2Y Ø8/10	-512	-18680	SLD 3	9892	61710	49589	2	96.79	-2862	-22103	SLD 9	9488	48385	47410	2.5	16.56	Si
1566	7X/2Y Ø8/10	-512	-18528	SLD 3	9873	61710	49566	2	96.75	-2862	-21951	SLD 9	9467	48385	47389	2.5	16.56	Si
1600	7X/2Y Ø8/10	-512	-18379	SLD 3	9855	61710	49544	2	96.71	-2862	-21801	SLD 9	9446	48385	47367	2.5	16.55	Si
1620	7X/2Y Ø8/10	-1019	-11524	SLD 7	9001	61710	48520	2	47.63	-1076	-11524	SLD 7	8042	48385	45914	2.5	42.65	Si
1654	7X/2Y Ø8/10	-1019	-11372	SLD 7	8982	61710	48497	2	47.61	-1076	-11372	SLD 7	8021	48385	45893	2.5	42.63	Si
1688	7X/2Y Ø8/10	-1019	-11220	SLD 7	8963	61710	48475	2	47.59	-1076	-11220	SLD 7	8000	48385	45871	2.5	42.61	Si
1721	7X/2Y Ø8/14.4	-1019	-11068	SLD 7	8944	53403	41769	2.5	41.01	-1076	-11068	SLD 7	7980	33497	45850	2.5	31.12	Si
1755	7X/2Y Ø8/14.4	-1019	-10919	SLD 7	8926	53403	41750	2.5	40.99	-1076	-10919	SLD 7	7959	33497	45829	2.5	31.12	Si
1775	7X/2Y Ø8/14.4	-857	-9747	SLD 3	8780	53403	41599	2.5	48.56	-2730	-8655	SLD 9	7650	33497	45509	2.5	12.27	Si
1809	7X/2Y Ø8/14.4	-857	-9597	SLD 3	8761	53403	41579	2.5	48.54	-2730	-8506	SLD 9	7629	33497	45488	2.5	12.27	Si
1843	7X/2Y Ø8/10	-857	-9445	SLD 3	8742	61710	48209	2	56.28	-2730	-8354	SLD 9	7609	48385	45466	2.5	16.66	Si
1876	7X/2Y Ø8/10	-857	-9293	SLD 3	8723	61710	48187	2	56.25	-2730	-8202	SLD 9	7588	48385	45445	2.5	16.65	Si
1910	7X/2Y Ø8/10	-857	-9142	SLD 3	8705	61710	48164	2	56.23	-2730	-8050	SLD 9	7567	48385	45423	2.5	16.64	Si
1930	3X/2Y Ø8/10	-194	-2469	SLD 15	4091	28431	22722	2.15	117.02	-1057	-2828	SLD 7	4109	21832	20343	2.5	19.24	Si
1960	3X/2Y Ø8/10	-194	-2403	SLD 15	4082	28431	22712	2.15	116.97	-1057	-2761	SLD 7	4101	21832	20334	2.5	19.23	Si
1990	3X/2Y Ø8/10	-194	-2335	SLD 15	4074	28431	22703	2.15	116.92	-1057	-2694	SLD 7	4092	21832	20326	2.5	19.22	Si
2020	3X/2Y Ø8/10	-194	-2268	SLD 15	4066	28431	22693	2.15	116.87	-1057	-2626	SLD 7	4084	21832	20317	2.5	19.21	Si
2050	3X/2Y Ø8/10	-194	-2200	SLD 15	4057	28431	22683	2.15	116.82	-1057	-2559	SLD 7	4076	21832	20308	2.5	19.21	Si
2080	3X/2Y Ø8/10	-194	-2133	SLD 15	4049	28431	22674	2.15	116.77	-1057	-2491	SLD 7	4067	21832	20300	2.5	19.2	Si
2110	3X/2Y Ø8/10	-194	-2065	SLD 15	4040	28431	22664	2.15	116.72	-1057	-2424	SLD 7	4059	21832	20291	2.5	19.19	Si
2140	3X/2Y Ø8/10	-194	-1998	SLD 15	4032	28431	22654	2.15	116.67	-1057	-2356	SLD 7	4051	21832	20283	2.5	19.18	Si
2170	3X/2Y Ø8/10	-194	-1930	SLD 15	4024	28431	22645	2.15	116.62	-1057	-2289	SLD 7	4042	21832	20274	2.5	19.17	Si
2200	3X/2Y Ø8/10	-194	-1863	SLD 15	4015	28431	22635	2.15	116.57	-1057	-2221	SLD 7	4034	21832	20265	2.5	19.17	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	313415	60767	-93104	SLE RA 13	-61.4	313415	60767	-93104	SLE RA 13	-854.9	Si
-111	266554	57031	-92975	SLE RA 13	-58.9	266554	57031	-92975	SLE RA 13	-824.6	Si
-82	218873	53229	-92844	SLE RA 13	-56.3	218873	53229	-92844	SLE RA 13	-793.7	Si
-53	171192	49428	-92713	SLE RA 13	-53.7	171192	49428	-92713	SLE RA 13	-762.9	Si
-24	123511	45626	-92582	SLE RA 13	-51.2	123511	45626	-92582	SLE RA 13	-732	Si
5	75830	41825	-92451	SLE RA 13	-48.6	75830	41825	-92451	SLE RA 13	-701.2	Si
35	28149	38024	-92321	SLE RA 13	-46.1	28149	38024	-92321	SLE RA 13	-670.4	Si
64	-19532	34222	-92190	SLE RA 13	-45.3	-19532	34222	-92190	SLE RA 13	-661.5	Si
93	-67213	30421	-92059	SLE RA 13	-47.1	-67213	30421	-92059	SLE RA 13	-684.3	Si
122	-114895	26619	-91928	SLE RA 13	-48.9	-114895	26619	-91928	SLE RA 13	-707.1	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
151	-162576	22818	-91797	SLE RA 13	-50.7	-162576	22818	-91797	SLE RA 13	-729.9	Si
180	-209437	19082	-91668	SLE RA 13	-52.4	-209437	19082	-91668	SLE RA 13	-752.3	Si
200	-213668	29009	-92287	SLE RA 13	-53.8	-213668	29009	-92287	SLE RA 13	-767.1	Si
232	-131166	-7345	-92145	SLE RA 13	-48.1	-131166	-7345	-92145	SLE RA 13	-701.8	Si
264	-47355	-44276	-92001	SLE RA 13	-47.3	-47355	-44276	-92001	SLE RA 13	-684.2	Si
296	36456	-81206	-91857	SLE RA 13	-49.9	67752	-60840	-92081	SLE RA 12	-709.8	Si
328	120268	-118137	-91713	SLE RA 13	-56.8	120268	-118137	-91713	SLE RA 13	-784.1	Si
360	202770	-154490	-91571	SLE RA 13	-63.6	202770	-154490	-91571	SLE RA 13	-859.6	Si
380	32932	135222	-79720	SLE RA 12	-48.9	32932	135222	-79720	SLE RA 12	-668.1	Si
414	4720	114534	-79570	SLE RA 12	-45.8	4720	114534	-79570	SLE RA 12	-635.7	Si
448	-23917	93535	-79418	SLE RA 12	-44.8	-23917	93535	-79418	SLE RA 12	-626.7	Si
481	-52555	72537	-79266	SLE RA 12	-44.3	-52555	72537	-79266	SLE RA 12	-624.4	Si
515	-81192	51538	-79115	SLE RA 12	-43.7	-81192	51538	-79115	SLE RA 12	-622.2	Si
535	60563	-72044	-75947	SLE RA 13	-43.1	60563	-72044	-75947	SLE RA 13	-606.1	Si
569	87110	-79465	-75795	SLE RA 13	-44.9	87110	-79465	-75795	SLE RA 13	-626.1	Si
603	113658	-86886	-75643	SLE RA 13	-46.6	113658	-86886	-75643	SLE RA 13	-646.2	Si
636	132518	-99159	-75682	SLE RA 12	-48.6	132518	-99159	-75682	SLE RA 12	-667.2	Si
670	151607	-113387	-75532	SLE RA 12	-50.6	151607	-113387	-75532	SLE RA 12	-688.6	Si
690	-43092	145843	-63159	SLE RA 13	-42.8	-43092	145843	-63159	SLE RA 13	-570.8	Si
724	-54474	121624	-63008	SLE RA 13	-41.2	-66330	113522	-63180	SLE RA 12	-557.4	Si
758	-76486	92960	-63029	SLE RA 12	-39.8	-76486	92960	-63029	SLE RA 12	-545.1	Si
791	-86642	72398	-62877	SLE RA 12	-38.4	-86642	72398	-62877	SLE RA 12	-532.9	Si
825	-96648	52141	-62727	SLE RA 12	-37.1	-96648	52141	-62727	SLE RA 12	-520.8	Si
845	95333	-71380	-59072	SLE RA 13	-37	95333	-71380	-59072	SLE RA 13	-511.2	Si
879	100733	-81209	-58920	SLE RA 13	-38	100733	-81209	-58920	SLE RA 13	-521.3	Si
913	106133	-91037	-58768	SLE RA 13	-39.1	106133	-91037	-58768	SLE RA 13	-531.5	Si
946	111533	-100866	-58617	SLE RA 13	-40.1	111533	-100866	-58617	SLE RA 13	-541.6	Si
980	116853	-110549	-58467	SLE RA 13	-41.1	116853	-110549	-58467	SLE RA 13	-551.5	Si
1000	-79848	155225	-46232	SLE RA 12	-37.7	-79848	155225	-46232	SLE RA 12	-485	Si
1034	-79658	126938	-46080	SLE RA 12	-35.2	-79658	126938	-46080	SLE RA 12	-460.5	Si
1068	-79468	98651	-45928	SLE RA 12	-32.7	-79468	98651	-45928	SLE RA 12	-436.1	Si
1101	-75619	73155	-45683	SLE RA 13	-30.2	-79278	70365	-45777	SLE RA 12	-411.6	Si
1135	-75028	46361	-45533	SLE RA 13	-27.9	-75028	46361	-45533	SLE RA 13	-387.8	Si
1155	134959	-92465	-41666	SLE RA 12	-32.8	134959	-92465	-41666	SLE RA 12	-433.4	Si
1189	127927	-102509	-41514	SLE RA 12	-33.3	127927	-102509	-41514	SLE RA 12	-436.7	Si
1223	120895	-112552	-41362	SLE RA 12	-33.7	120895	-112552	-41362	SLE RA 12	-440	Si
1256	114838	-124753	-41154	SLE RA 13	-34.4	114838	-124753	-41154	SLE RA 13	-445.3	Si
1290	107770	-137287	-41003	SLE RA 13	-35.1	107770	-137287	-41003	SLE RA 13	-450.6	Si
1310	-88288	129468	-28647	SLE RA 12	-28	-88288	129468	-28647	SLE RA 12	-349.8	Si
1344	-97260	113770	-28497	SLE RA 12	-27	-97260	113770	-28497	SLE RA 12	-340.9	Si
1378	-106367	97836	-28345	SLE RA 12	-26	-106367	97836	-28345	SLE RA 12	-331.8	Si
1411	-115475	81902	-28193	SLE RA 12	-24.9	-115475	81902	-28193	SLE RA 12	-322.8	Si
1445	-121329	69017	-27989	SLE RA 13	-24	-121329	69017	-27989	SLE RA 13	-314.1	Si
1465	102336	-81673	-23613	SLE RA 12	-22.3	102336	-81673	-23613	SLE RA 12	-284.3	Si
1499	64344	-78649	-23461	SLE RA 12	-20.2	64344	-78649	-23461	SLE RA 12	-259.4	Si
1533	26353	-75626	-23309	SLE RA 12	-18.1	26353	-75626	-23309	SLE RA 12	-234.5	Si
1566	-11972	-72957	-23126	SLE RA 13	-17.2	-11972	-72957	-23126	SLE RA 13	-223	Si
1600	-49976	-71559	-22976	SLE RA 13	-18.7	-49976	-71559	-22976	SLE RA 13	-242.2	Si
1620	16858	64908	-15804	SLE RA 10	-13.4	15515	63982	-16112	SLE RA 12	-170.2	Si
1654	3304	65243	-15960	SLE RA 12	-12.9	3304	65243	-15960	SLE RA 12	-164.1	Si
1688	-8907	66504	-15808	SLE RA 12	-13.2	-8907	66504	-15808	SLE RA 12	-166.6	Si
1721	-21118	67765	-15656	SLE RA 12	-13.8	-21118	67765	-15656	SLE RA 12	-173.4	Si
1755	-33148	69007	-15507	SLE RA 12	-14.4	-33148	69007	-15507	SLE RA 12	-180.2	Si
1775	204147	-89004	-10779	SLE RA 12	-21.8	204147	-89004	-10779	SLE RA 12	-261	Si
1809	157480	-93850	-10619	SLE RA 13	-20	157480	-93850	-10619	SLE RA 13	-237.7	Si
1843	107681	-100693	-10467	SLE RA 13	-18.2	107681	-100693	-10467	SLE RA 13	-214.3	Si
1876	57883	-107536	-10315	SLE RA 13	-16.5	57883	-107536	-10315	SLE RA 13	-190.9	Si
1910	2548	-115366	-9895	SLE RA 11	-13.2	2548	-115366	-9895	SLE RA 11	-150.3	Si
1930	45828	19237	-3245	SLE RA 8	-13.4	45828	19237	-3245	SLE RA 8	-145	Si
1960	24748	17234	-3178	SLE RA 8	-10.7	24748	17234	-3178	SLE RA 8	-118.9	Si
1990	3311	15196	-3111	SLE RA 8	-6.2	3311	15196	-3111	SLE RA 8	-75.3	Si
2020	-18607	13823	-2883	SLE RA 12	-8.7	-18127	13159	-3043	SLE RA 8	-98.1	Si
2050	-39918	11687	-2815	SLE RA 12	-12.3	-39565	11122	-2976	SLE RA 8	-133.2	Si
2080	-61002	9084	-2908	SLE RA 8	-15.9	-61002	9084	-2908	SLE RA 8	-168.2	Si
2110	-82541	7415	-2680	SLE RA 12	-31.2	-82541	7415	-2680	SLE RA 12	570.9	Si
2140	-103852	5280	-2613	SLE RA 12	-38	-103852	5280	-2613	SLE RA 12	771.5	Si
2170	-125163	3144	-2545	SLE RA 12	-44.7	-125163	3144	-2545	SLE RA 12	972.6	Si
2200	-146752	935	-2638	SLE RA 8	-51.4	-146475	1008	-2478	SLE RA 12	1174	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²

Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	211146	29777	-80166	SLE QP 2	-48.2	Si
-111	178686	28174	-80038	SLE QP 2	-46.6	Si
-82	145659	26543	-79907	SLE QP 2	-44.9	Si
-53	112631	24911	-79776	SLE QP 2	-43.2	Si
-24	79603	23280	-79645	SLE QP 2	-41.5	Si
5	46576	21649	-79514	SLE QP 2	-39.8	Si
35	13548	20017	-79383	SLE QP 2	-38	Si
64	-19480	18386	-79252	SLE QP 2	-38.1	Si
93	-52507	16755	-79121	SLE QP 2	-39.4	Si
122	-85535	15124	-78990	SLE QP 2	-40.7	Si
151	-118563	13492	-78860	SLE QP 2	-42	Si
180	-151023	11889	-78731	SLE QP 2	-43.3	Si
200	-154825	11785	-79162	SLE QP 2	-43.7	Si
232	-85838	-8869	-79021	SLE QP 2	-40.2	Si
264	-15756	-29850	-78877	SLE QP 2	-38.8	Si
296	54326	-50832	-78733	SLE QP 2	-42.2	Si
328	124409	-71813	-78589	SLE QP 2	-47.2	Si
360	193396	-92467	-78447	SLE QP 2	-52	Si
380	33480	113025	-68082	SLE QP 2	-41.8	Si
414	9468	94836	-67932	SLE QP 2	-39.1	Si
448	-14906	76374	-67781	SLE QP 2	-37.7	Si
481	-39280	57912	-67629	SLE QP 2	-37.2	Si
515	-63653	39449	-67477	SLE QP 2	-36.6	Si
535	57831	-41842	-65185	SLE QP 2	-35.5	Si
569	74140	-55651	-65033	SLE QP 2	-37.4	Si
603	90450	-69460	-64881	SLE QP 2	-39.2	Si
636	106760	-83270	-64730	SLE QP 2	-41.1	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
670	122828	-96874	-64580	SLE QP 2	-42.9	Si
690	-43150	113622	-54114	SLE QP 2	-36	Si
724	-51615	95284	-53962	SLE QP 2	-34.8	Si
758	-60081	76946	-53810	SLE QP 2	-33.5	Si
791	-68547	58608	-53658	SLE QP 2	-32.3	Si
825	-76887	40542	-53508	SLE QP 2	-31	Si
845	73029	-53141	-50735	SLE QP 2	-30.7	Si
879	77151	-63748	-50583	SLE QP 2	-31.7	Si
913	81273	-74356	-50431	SLE QP 2	-32.7	Si
946	85395	-84963	-50280	SLE QP 2	-33.8	Si
980	89456	-95414	-50130	SLE QP 2	-34.8	Si
1000	-63185	130001	-39544	SLE QP 2	-31.8	Si
1034	-62985	105761	-39392	SLE QP 2	-29.6	Si
1068	-62786	81520	-39240	SLE QP 2	-27.5	Si
1101	-62586	57280	-39088	SLE QP 2	-25.3	Si
1135	-62389	33398	-38938	SLE QP 2	-23.2	Si
1155	107690	-70802	-35828	SLE QP 2	-27.1	Si
1189	101888	-81531	-35676	SLE QP 2	-27.7	Si
1223	96087	-92260	-35524	SLE QP 2	-28.2	Si
1256	90285	-102989	-35372	SLE QP 2	-28.8	Si
1290	84483	-113718	-35220	SLE QP 2	-29.4	Si
1310	-70907	109411	-24580	SLE QP 2	-23.6	Si
1344	-77704	95028	-24431	SLE QP 2	-22.6	Si
1378	-84603	80428	-24279	SLE QP 2	-21.6	Si
1411	-91502	65829	-24127	SLE QP 2	-20.6	Si
1445	-98402	51230	-23975	SLE QP 2	-19.6	Si
1465	82347	-63472	-20483	SLE QP 2	-18.4	Si
1499	51734	-64003	-20331	SLE QP 2	-17	Si
1533	21122	-64535	-20180	SLE QP 2	-15.5	Si
1566	-9491	-65066	-20028	SLE QP 2	-15	Si
1600	-39649	-65590	-19878	SLE QP 2	-16.3	Si
1620	10873	59354	-13548	SLE QP 2	-11.7	Si
1654	2226	58049	-13396	SLE QP 2	-11.1	Si
1688	-6420	56743	-13245	SLE QP 2	-11.1	Si
1721	-15067	55437	-13093	SLE QP 2	-11.3	Si
1755	-23586	54151	-12943	SLE QP 2	-11.5	Si
1775	166266	-69365	-9206	SLE QP 2	-17.6	Si
1809	127644	-76315	-9056	SLE QP 2	-16.4	Si
1843	88442	-83369	-8904	SLE QP 2	-15.2	Si
1876	49240	-90423	-8752	SLE QP 2	-13.9	Si
1910	10037	-97477	-8601	SLE QP 2	-11.2	Si
1930	37159	17180	-2535	SLE QP 2	-11	Si
1960	20184	15393	-2468	SLE QP 2	-8.8	Si
1990	2922	13576	-2401	SLE QP 2	-5.2	Si
2020	-14340	11759	-2333	SLE QP 2	-7	Si
2050	-31603	9942	-2266	SLE QP 2	-9.9	Si
2080	-48865	8125	-2198	SLE QP 2	-12.8	Si
2110	-66128	6309	-2131	SLE QP 2	-15.7	Si
2140	-83390	4492	-2063	SLE QP 2	-30.6	Si
2170	-100652	2675	-1996	SLE QP 2	-36	Si
2200	-117915	858	-1928	SLE QP 2	-41.4	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

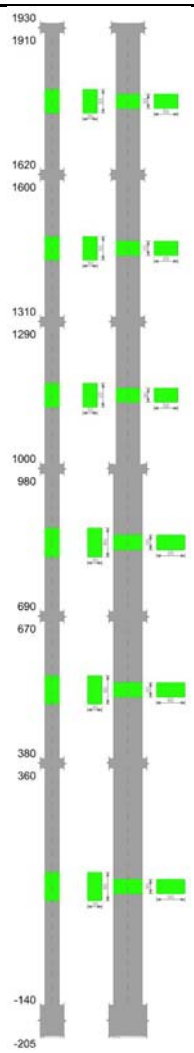
Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 835 in quanto nodo interno a piastra.
per il nodo Appoggio 1145 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 525 in quanto nodo interno a piastra.
per il nodo Appoggio 2220 in quanto elemento di estremità superiore alla pilastrata.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 1765 in quanto nodo interno a piastra.
per il nodo Appoggio 1455 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 190 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.

Pilastro 65

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60_1	No	No	No	No		C30/37	B450C	
380	670	R 30x60_1	No	No	No	No		C30/37	B450C	
690	980	R 30x60_1	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	
1620	1910	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.9	8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.9	8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.10	-9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	-9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.11	-9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	-9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2	0	1,2	489492	489492	-180458	785458	785458	SLU 51	1.605	Si
-111	18.42	2	0	1,2	489033	489033	-180289	804436	804436	SLU 51	1.645	Si
-81	20.11	1.1	0	2	488567	488567	-180117	818158	818158	SLU 51	1.675	Si
-52	20.11	1.1	0	2	488100	488100	-179945	818158	818158	SLU 51	1.676	Si
-22	20.11	1.1	0	2	487633	487633	-179773	818158	818158	SLU 51	1.678	Si
7	20.11	1.1	0	2	487167	487167	-179601	818158	818158	SLU 51	1.679	Si
36	20.11	1.1	0	2	486700	486700	-179429	818158	818158	SLU 51	1.681	Si
66	20.11	1.1	0	2	486233	486233	-179256	818158	818158	SLU 51	1.683	Si
95	20.11	1.1	0	2	-485766	485766	-179084	-818158	818158	SLU 51	1.684	Si
125	20.11	1.1	0	2	-485300	485300	-178912	-818158	818158	SLU 51	1.686	Si
154	20.11	1.1	0	2	-484833	-484833	-178740	-818158	-818158	SLU 51	1.688	Si
184	20.11	1.1	0	2	-484366	-484366	-178568	-818158	-818158	SLU 51	1.689	Si
213	20.11	1.1	0	2	-483895	-483895	-178394	-818158	-818158	SLU 51	1.691	Si
242	20.11	1.1	0	2	-483433	-483433	-178224	-818158	-818158	SLU 51	1.692	Si
272	20.11	1.1	0	2	-482966	-482966	-178052	-818158	-818158	SLU 51	1.694	Si
301	20.11	1.1	0	2	-482499	-482499	-177880	-818158	-818158	SLU 51	1.696	Si
331	20.11	1.1	0	2	-482033	-482033	-177708	-818158	-818158	SLU 51	1.697	Si
360	20.11	1.1	0	2	-481574	-481574	-177539	-818158	-818158	SLU 51	1.699	Si
380	20.11	2.2	0	2,3	295581	295581	-147790	647491	647491	SLU 51	2.191	Si
409	20.11	2.2	0	2,3	295241	295241	-147621	647491	647491	SLU 51	2.193	Si
438	20.11	1.1	0	3	294902	294902	-147451	647491	647491	SLU 51	2.196	Si
467	20.11	1.1	0	3	294563	294563	-147281	647491	647491	SLU 51	2.198	Si
496	20.11	1.1	0	3	294223	294223	-147112	647491	647491	SLU 51	2.201	Si
525	20.11	1.1	0	3	-293884	293884	-146942	-647491	647491	SLU 51	2.203	Si
554	20.11	1.1	0	3	-293545	-293545	-146772	-647491	-647491	SLU 51	2.206	Si
583	20.11	1.1	0	3	-293206	-293206	-146603	-647491	-647491	SLU 51	2.208	Si
612	20.11	1.1	0	3	-292866	-292866	-146433	-647491	-647491	SLU 51	2.211	Si
641	20.11	1.1	0	3	-292527	-292527	-146263	-647491	-647491	SLU 51	2.213	Si
670	20.11	1.1	0	3	-292188	-292188	-146094	-647491	-647491	SLU 51	2.216	Si
690	20.11	2.2	0	3,4,6,7	233067	233067	-116534	647491	647491	SLU 51	2.778	Si
719	20.11	2.2	0	3,4,6,7	232728	232728	-116364	647491	647491	SLU 51	2.782	Si
748	20.11	1.1	0	4,6,7	232389	232389	-116194	647491	647491	SLU 51	2.786	Si
777	20.11	1.1	0	4,6,7	232049	232049	-116025	647491	647491	SLU 51	2.79	Si
806	20.11	1.1	0	4,6,7	231710	231710	-115855	647491	647491	SLU 51	2.794	Si
835	20.11	1.1	0	4,6,7	-231371	-231371	-115685	-647491	-647491	SLU 51	2.799	Si
864	20.11	1.1	0	4,6,7	-231031	-231031	-115516	-647491	-647491	SLU 51	2.803	Si
893	20.11	1.1	0	4,6,7	-230692	-230692	-115346	-647491	-647491	SLU 51	2.807	Si
922	20.11	1.1	0	4,6,7	-230353	-230353	-115176	-647491	-647491	SLU 51	2.811	Si
951	20.37	1.6	0	4,5,6,7	-230013	-230013	-115007	-649217	-649217	SLU 51	2.823	Si
980	27.42	2	0	4,5,6,7	-229680	-229680	-114840	-695580	-695580	SLU 51	3.028	Si
1000	20.11	2.4	0	5,6,7,8	169682	169682	-84841	556148	556148	SLU 51	3.278	Si
1029	17.8	2.4	0	5,6,7,8	169400	169400	-84700	541580	541580	SLU 51	3.197	Si
1058	16.08	1.1	0	8	169117	169117	-84558	530708	530708	SLU 51	3.138	Si
1087	16.08	1.1	0	8	168834	168834	-84417	530708	530708	SLU 51	3.143	Si
1116	16.08	1.1	0	8	-168551	168551	-84276	-530708	530708	SLU 51	3.149	Si
1145	16.08	1.1	0	8	-168269	168269	-84134	-530708	530708	SLU 51	3.154	Si
1174	16.08	1.1	0	8	-167986	-167986	-83993	-530708	-530708	SLU 51	3.159	Si
1203	16.08	1.1	0	8	-167703	-167703	-83852	-530708	-530708	SLU 51	3.165	Si
1232	16.08	1.1	0	8	-167420	-167420	-83710	-530708	-530708	SLU 51	3.17	Si
1261	16.08	1.1	0	8	-167138	-167138	-83569	-530708	-530708	SLU 51	3.175	Si
1290	16.08	1.1	0	8	-174142	-166860	-83430	-552485	-529379	SLU 51	3.173	Si
1310	16.08	2.1	0	8,9	107248	107248	-53624	530708	530708	SLU 51	4.948	Si
1339	16.08	2.1	0	8,9	106966	106966	-53483	530708	530708	SLU 51	4.961	Si
1368	16.08	1.1	0	9	108275	106683	-53341	538169	530253	SLU 51	4.97	Si
1397	16.08	1.1	0	9	118129	106400	-53200	585361	527243	SLU 51	4.955	Si
1426	16.08	1.1	0	9	127982	106117	-53059	631979	524012	SLU 51	4.938	Si
1455	16.08	1.1	0	9	137835	-105835	-52917	678142	-520703	SLU 51	4.92	Si
1484	16.08	1.1	0	9	147688	-105552	-52776	723502	-517084	SLU 51	4.899	Si
1513	16.08	1.1	0	9	157541	-105269	-52635	768088	-513238	SLU 51	4.875	Si
1542	16.08	1.1	0	9	167394	-104986	-52493	812127	-509351	SLU 51	4.852	Si
1571	16.08	1.1	0	9	177247	-104704	-52352	855073	-505110	SLU 51	4.824	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1600	16.08	1.1	0	9	186930	-115225	-52213	884769	-545375	SLU 51	4.733	Si
1620	16.08	2.1	0	9,10,11	-273567	282953	-24084	-1047527	1083468	SLU 52	3.829	Si
1649	16.08	2.1	0	9,10,11	-229899	210886	-23942	-1143814	1049217	SLU 52	4.975	Si
1678	16.08	1.1	0	10,11	-186231	138818	-23801	-1229605	916558	SLU 52	6.603	Si
1707	16.08	1.1	0	10,11	-142563	66751	-23660	-1277712	598248	SLU 52	8.962	Si
1736	16.08	1.1	0	10,11	-98895	-47036	-23518	-1024316	-487185	SLU 52	10.358	Si
1765	16.08	1.1	0	10,11	-54331	-78356	-23420	-549177	-792013	SLU 51	10.108	Si
1794	16.08	1.1	0	10,11	-46558	-151122	-23279	-368963	-1197617	SLU 51	7.925	Si
1823	16.08	1.1	0	10,11	46275	-223888	-23137	286153	-1384462	SLU 51	6.184	Si
1852	16.08	1.1	0	10,11	74189	-296653	-22996	358235	-1432436	SLU 51	4.829	Si
1881	16.08	1.1	0	10,11	117030	-369419	-22855	432065	-1363868	SLU 51	3.692	Si
1910	16.08	1.1	0	10,11	159131	-440931	-22716	455647	-1262532	SLU 51	2.863	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	16.08	2	0	1,2	1471813	199548	-118241	-2.02	1.92	2212442	299962	SLV 13	1.503				Si
-111	18.42	2	0	1,2	1358358	182273	-118111	-2.02	1.92	2198107	294956	SLV 13	1.618				Si
-81	20.11	1.1	0	2	1242959	164703	-117978	-2.02	1.92	2156016	285691	SLV 13	1.735				Si
-52	20.11	1.1	0	2	1127585	147138	-117846	-2.02	1.92	2069928	270104	SLV 13	1.836				Si
-22	20.11	1.1	0	2	1012244	129580	-117714	-2.02	1.92	1964534	251485	SLV 13	1.941				Si
7	20.11	1.1	0	2	896946	112031	-117581	-2.02	1.92	1838858	229678	SLV 13	2.05				Si
36	20.11	1.1	0	2	781712	94497	-117449	-2.02	1.92	1692220	204563	SLV 13	2.165				Si
66	20.11	1.1	0	2	666573	76988	-117317	-2.02	1.92	1526083	176260	SLV 13	2.289				Si
95	20.11	1.1	0	2	551577	59522	-117184	-2.02	1.92	1339839	144586	SLV 13	2.429				Si
125	20.11	1.1	0	2	436824	42146	-117052	-2.02	1.92	1129749	109001	SLV 13	2.586				Si
154	20.11	1.1	0	2	252402	34696	-120070	-2.02	1.92	692166	95147	SLV 9	2.742				Si
184	20.11	1.1	0	2	156813	11498	-119938	-2.02	1.92	430507	31566	SLV 9	2.745				Si
213	20.11	1.1	0	2	63609	-7629	-119804	-2.02	1.92	174822	-20966	SLV 9	2.748				Si
242	20.11	1.1	0	2	-57933	-39194	-119673	-2.02	1.92	-159397	-107839	SLV 9	2.751				Si
272	20.11	1.1	0	2	-157976	-61685	-119541	-2.02	1.92	-435138	-169909	SLV 9	2.754				Si
301	20.11	1.1	0	2	-246762	-84764	-119408	-2.02	1.92	-664941	-228411	SLV 9	2.695				Si
331	20.11	1.1	0	2	-341953	-108016	-119276	-2.02	1.92	-868711	-274407	SLV 9	2.54				Si
360	20.11	1.1	0	2	-436713	-130936	-119146	-2.02	1.92	-1049742	-314734	SLV 9	2.404				Si
380	20.11	2.2	0	2,3	181274	178555	-99368	-2.02	1.92	535072	527048	SLV 9	2.952				Si
409	20.11	2.2	0	2,3	147283	145707	-99238	-2.02	1.92	456447	451562	SLV 9	3.099				Si
438	20.11	1.1	0	3	118322	113039	-99107	-2.02	1.92	384936	367750	SLV 9	3.253				Si
467	20.11	1.1	0	3	96840	80790	-98977	-2.02	1.92	322162	268768	SLV 9	3.327				Si
496	20.11	1.1	0	3	-72748	49892	-98846	-2.02	1.92	-242335	166196	SLV 9	3.331				Si
525	20.11	1.1	0	3	-107985	17373	-98716	-2.02	1.92	-360187	57949	SLV 9	3.336				Si
554	20.11	1.1	0	3	-141087	-28740	-98585	-2.02	1.92	-471225	-95990	SLV 9	3.34				Si
583	20.11	1.1	0	3	-177591	-58196	-98455	-2.02	1.92	-593933	-194631	SLV 9	3.344				Si
612	20.11	1.1	0	3	-216151	-90119	-98324	-2.02	1.92	-688874	-287211	SLV 9	3.187				Si
641	20.11	1.1	0	3	-255986	-122669	-98194	-2.02	1.92	-776034	-371875	SLV 9	3.032				Si
670	20.11	1.1	0	3	-296647	-155462	-98063	-2.02	1.92	-856874	-449056	SLV 9	2.889				Si
690	20.11	2.2	0	3,4,6,7	315778	175865	-78288	-2.02	1.92	1034705	576254	SLV 9	3.277				Si
719	20.11	2.2	0	3,4,6,7	253237	140410	-78157	-2.02	1.92	892459	494834	SLV 9	3.524				Si
748	20.11	1.1	0	4,6,7	192859	105151	-78027	-2.02	1.92	733979	400180	SLV 9	3.806				Si
777	20.11	1.1	0	4,6,7	137257	70386	-77896	-2.02	1.92	565567	290023	SLV 9	4.12				Si
806	20.11	1.1	0	4,6,7	93425	37560	-77766	-2.02	1.92	395574	159036	SLV 9	4.234				Si
835	20.11	1.1	0	4,6,7	-2129	-11954	-77635	-2.02	1.92	-9030	-50701	SLV 9	4.241				Si
864	20.11	1.1	0	4,6,7	-129914	-44403	-77505	-2.02	1.92	-551925	-188641	SLV 9	4.248				Si
893	20.11	1.1	0	4,6,7	-183211	-77991	-77374	-2.02	1.92	-729304	-310459	SLV 9	3.981				Si
922	20.11	1.1	0	4,6,7	-242613	-112920	-77244	-2.02	1.92	-894429	-416295	SLV 9	3.687				Si
951	20.37	1.6	0	4,5,6,7	-304682	-148238	-77113	-2.02	1.92	-1046610	-509210	SLV 9	3.435				Si
980	27.42	2	0	4,5,6,7	-366989	-183108	-76985	-2.02	1.92	-1259355	-628350	SLV 9	3.432				Si
1000	20.11	2.4	0	5,6,7,8	222124	154159	-57027	-2.02	1.92	807286	560276	SLV 9	3.634				Si
1029	17.8	2.4	0	5,6,7,8	171937	124439	-56918	-2.02	1.92	666851	482632	SLV 9	3.878				Si
1058	16.08	1.1	0	8	125472	95552	-56809	-2.02	1.92	521951	397485	SLV 9	4.16				Si
1087	16.08	1.1	0	8	87735	68538	-56700	-2.02	1.92	396715	309914	SLV 9	4.522				Si
1116	16.08	1.1	0	8	-12918	41921	-56592	-2.02	1.92	-62037	201316	SLV 9	4.802				Si
1145	16.08	1.1	0	8	-100786	-18465	-56483	-2.02	1.92	-484936	-88846	SLV 9	4.812				Si
1174	16.08	1.1	0	8	-144311	-50371	-56374	-2.02	1.92	-635682	-221880	SLV 9	4.405				Si
1203	16.08	1.1	0	8	-193204	-76595	-56265	-2.02	1.92	-779534	-309044	SLV 9	4.035				Si
1232	16.08	1.1	0	8	-244512	-105200	-56157	-2.02	1.92	-904859	-389311	SLV 9	3.701				Si
1261	16.08	1.1	0	8	-297049	-134796	-56048	-2.02	1.92	-1007318	-457106	SLV 9	3.391				Si
1290	16.08	1.1	0	8	-349361	-164360	-55941	-2.02	1.92	-1084018	-509987	SLV 9	3.103				Si
1310	16.08	2.1	0	8,9	374726	150445	-36142	-2.02	1.92	1311680	526613	SLV 9	3.5				Si
1339	16.08	2.1	0	8,9	330089	120740	-36033	-2.02	1.92	1316531	481562	SLV 9	3.988				Si
1368	16.08	1.1	0	9	317850	-67154	-33212	-2.02	1.92	1484167	-313567	SLV 15	4.669				Si
1397	16.08	1.1	0	9	271654	-58253	-33103	-2.02	1.92	1400429	-300303	SLV 15	5.155				Si
1426	16.08	1.1	0	9	233426	-50542	-32995	-2.02	1.92	1305689	-282708	SLV 15	5.594				Si
1455	16.08	1.1	0	9	211373	21272	-28566	-2.02	1.92	1413937	142294	SLV 3	6.689				Si
1484	16.08	1.1	0	9	216104	5652	-28457	-2.02	1.92	1483045	38784	SLV 3	6.863				Si
1513	16.08	1.1	0	9	248655	1291	-28349	-2.02	1.92	1615063	8385	SLV 3	6.495				Si
1542	16.08	1.1	0	9	298864	6153	-28240	-2.02	1.92	1733856	35694	SLV 3	5.801				Si
1571	16.08	1.1	0	9	357841	14037	-28131	-2.02	1.92	1802856	70720	SLV 3	5.038				Si
1600	16.08	1.1	0	9	-198179	-174699	-34294	-2.02	1.92	-859177	-757383	SLV 13	4.335				Si
1620	16.08	2.1	0	9,10,11	93205	294184	-15834	-2.02	1.92	339125	1070391	SLV 13	3.639				Si
1649	16.08	2.1	0	9,10,11	65783	222183	-15726	-2.02	1.92	322713	1089970	SLV 13	4.906				Si
1678	16.08	1.1	0	10,11	-209451	55849	-13190	-2.02	1.92	-1498571	399589	SLV 1	7.155				Si
1707	16.08	1.1	0	10,11	-144188	67876	-15170	-2.02	1.92	-1228791	578452	SLV 5	8.522				Si
1736	16.08	1.1	0	10,11	-130730	11247	-15399	-2.02	1.92	-1527258	131396	SLV 13	11.683				Si
1765	16.08	1.1	0	10,11	-100789	-62893	-15681	-2.02	1.92	-1013421	-632381	SLV 9	10.055				Si
1794	16.08	1.1	0	10,11	-107520	-152778	-15572	-2.02	1.92	-656280	-932524	SLV 9	6.104				Si
1823	16.08	1.1	0	10,11	-121127	-230483	-15463	-2.02	1.92	-515527	-980958	SLV 9	4.256				Si
1852	16.08	1.1	0	10,11	-137242	-308352	-15354	-2.02	1.92	-442927	-995160	SLV 9	3.227				Si
1881	16.08	1.1	0	10,11	-154472	-386285	-15246	-2.02	1.92	-364038	-910340	SLV 9	2.357				Si
1910	16.08	1.1	0	10,11	-171974	-462904	-15139	-2.02	1.92	-316800	-852733	SLV 9	1.842				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2	0	1,2	621571	88350	-113765	1423317	202311	SLD 13	2.29	Si
-111	18.42	2	0	1,2	570951	80341	-113635	1368983	192635	SLD 13	2.398	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-81	20.11	1.1	0	2	519466	72195	-113503	1299152	180554	SLD 13	2.501	Si
-52	20.11	1.1	0	2	467996	64051	-113371	1205149	164940	SLD 13	2.575	Si
-22	20.11	1.1	0	2	416545	55912	-113238	1105437	148379	SLD 13	2.654	Si
7	20.11	1.1	0	2	365120	47777	-113106	999471	130784	SLD 13	2.737	Si
36	20.11	1.1	0	2	313732	39651	-112974	886697	112066	SLD 13	2.826	Si
66	20.11	1.1	0	2	214099	42145	-114067	618027	121657	SLD 9	2.887	Si
95	20.11	1.1	0	2	169863	31758	-113934	490903	91782	SLD 9	2.89	Si
125	20.11	1.1	0	2	125740	21436	-113802	363811	62021	SLD 9	2.893	Si
154	20.11	1.1	0	2	81862	11320	-113670	237131	32792	SLD 9	2.897	Si
184	20.11	1.1	0	2	38556	1324	-113537	111816	3839	SLD 9	2.9	Si
213	20.11	1.1	0	2	-3282	-7263	-113404	-9529	-21089	SLD 9	2.904	Si
242	20.11	1.1	0	2	-58585	-22059	-113273	-170299	-64124	SLD 9	2.907	Si
272	20.11	1.1	0	2	-106465	-32069	-113140	-309843	-93329	SLD 9	2.91	Si
301	20.11	1.1	0	2	-146710	-42357	-113008	-427468	-123416	SLD 9	2.914	Si
331	20.11	1.1	0	2	-189903	-52734	-112876	-553966	-153830	SLD 9	2.917	Si
360	20.11	1.1	0	2	-232977	-62968	-112745	-674388	-182270	SLD 9	2.895	Si
380	20.11	2.2	0	2,3	115966	97981	-93996	401120	338909	SLD 9	3.459	Si
409	20.11	2.2	0	2,3	93818	80333	-93865	329102	281798	SLD 9	3.508	Si
438	20.11	1.1	0	3	73651	62795	-93735	258720	220584	SLD 9	3.513	Si
467	20.11	1.1	0	3	56085	45510	-93604	197290	160090	SLD 9	3.518	Si
496	20.11	1.1	0	3	-33848	29006	-93474	-119233	102176	SLD 9	3.523	Si
525	20.11	1.1	0	3	-57734	11513	-93343	-203658	40611	SLD 9	3.528	Si
554	20.11	1.1	0	3	-79899	-13593	-93213	-282238	-48018	SLD 9	3.532	Si
583	20.11	1.1	0	3	-103413	-29583	-93082	-365812	-104646	SLD 9	3.537	Si
612	20.11	1.1	0	3	-127822	-46734	-92952	-452792	-165550	SLD 9	3.542	Si
641	20.11	1.1	0	3	-152827	-64222	-92821	-542132	-227816	SLD 9	3.547	Si
670	20.11	1.1	0	3	-178239	-81846	-92691	-613245	-281597	SLD 9	3.441	Si
690	20.11	2.2	0	3,4,6,7	168711	96582	-73993	686031	392732	SLD 9	4.066	Si
719	20.11	2.2	0	3,4,6,7	135399	77174	-73862	578119	329512	SLD 9	4.27	Si
748	20.11	1.1	0	4,6,7	103172	57880	-73732	460742	258479	SLD 9	4.466	Si
777	20.11	1.1	0	4,6,7	73129	38871	-73601	327156	173895	SLD 9	4.474	Si
806	20.11	1.1	0	4,6,7	47681	20876	-73471	213689	93558	SLD 9	4.482	Si
835	20.11	1.1	0	4,6,7	-5277	-6093	-73340	-23691	-27355	SLD 9	4.49	Si
864	20.11	1.1	0	4,6,7	-70607	-24342	-73210	-317561	-109481	SLD 9	4.498	Si
893	20.11	1.1	0	4,6,7	-99235	-42698	-73079	-447118	-192381	SLD 9	4.506	Si
922	20.11	1.1	0	4,6,7	-130785	-61795	-72949	-577698	-272956	SLD 9	4.417	Si
951	20.37	1.6	0	4,5,6,7	-163749	-81121	-72818	-691682	-342656	SLD 9	4.224	Si
980	27.42	2	0	4,5,6,7	-196874	-100209	-72690	-850686	-433002	SLD 9	4.321	Si
1000	20.11	2.4	0	5,6,7,8	128846	90284	-53773	584236	409380	SLD 9	4.534	Si
1029	17.8	2.4	0	5,6,7,8	99153	73237	-53664	467148	345048	SLD 9	4.711	Si
1058	16.08	1.1	0	8	70812	56593	-53555	348770	278737	SLD 9	4.925	Si
1087	16.08	1.1	0	8	45623	40802	-53446	231990	207474	SLD 9	5.085	Si
1116	16.08	1.1	0	8	-5478	25006	-53338	-27910	127412	SLD 9	5.095	Si
1145	16.08	1.1	0	8	-49442	-6948	-53229	-252434	-35473	SLD 9	5.106	Si
1174	16.08	1.1	0	8	-75680	-25332	-53120	-387187	-129600	SLD 9	5.116	Si
1203	16.08	1.1	0	8	-104446	-40735	-53011	-513279	-200186	SLD 9	4.914	Si
1232	16.08	1.1	0	8	-134333	-57228	-52903	-621135	-264613	SLD 9	4.624	Si
1261	16.08	1.1	0	8	-164780	-74205	-52794	-718400	-323516	SLD 9	4.36	Si
1290	16.08	1.1	0	8	-195008	-91131	-52687	-804425	-375922	SLD 9	4.125	Si
1310	16.08	2.1	0	8,9	174006	95631	-33847	953135	523831	SLD 9	5.478	Si
1339	16.08	2.1	0	8,9	160701	75687	-33738	942207	443762	SLD 9	5.863	Si
1368	16.08	1.1	0	9	159518	-11278	-32524	1102058	-77915	SLD 15	6.909	Si
1397	16.08	1.1	0	9	145777	-15238	-32415	1026456	-107294	SLD 15	7.041	Si
1426	16.08	1.1	0	9	135445	-19668	-32306	964892	-140114	SLD 15	7.124	Si
1455	16.08	1.1	0	9	131786	3061	-30404	1023408	23774	SLD 3	7.766	Si
1484	16.08	1.1	0	9	138602	-11386	-30296	1046006	-85927	SLD 3	7.547	Si
1513	16.08	1.1	0	9	155872	-21153	-30187	1117288	-151625	SLD 3	7.168	Si
1542	16.08	1.1	0	9	179778	-26878	-30078	1222121	-182714	SLD 3	6.798	Si
1571	16.08	1.1	0	9	207062	-31294	-29969	1330303	-201054	SLD 3	6.425	Si
1600	16.08	1.1	0	9	235557	-35183	-29862	1426200	-213017	SLD 3	6.055	Si
1620	16.08	2.1	0	9,10,11	-130844	207566	-14674	-592627	940120	SLD 5	4.529	Si
1649	16.08	2.1	0	9,10,11	-111368	156227	-14565	-659906	925716	SLD 5	5.925	Si
1678	16.08	1.1	0	10,11	-151076	72447	-13581	-1238163	593749	SLD 1	8.196	Si
1707	16.08	1.1	0	10,11	-108865	53640	-14348	-1151113	567182	SLD 5	10.574	Si
1736	16.08	1.1	0	10,11	-89220	5696	-14389	-1292062	82495	SLD 13	14.482	Si
1765	16.08	1.1	0	10,11	-58353	-49429	-14438	-754044	-638719	SLD 9	12.922	Si
1794	16.08	1.1	0	10,11	-44411	-111023	-14329	-410434	-1026032	SLD 9	9.242	Si
1823	16.08	1.1	0	10,11	-33936	-167610	-14220	-230093	-1136409	SLD 9	6.78	Si
1852	16.08	1.1	0	10,11	-24788	-224279	-14112	-131186	-1186946	SLD 9	5.292	Si
1881	16.08	1.1	0	10,11	-16230	-280980	-14003	-69666	-1206090	SLD 9	4.292	Si
1910	16.08	1.1	0	10,11	-8118	-336719	-13896	-26813	-1112181	SLD 9	3.303	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-215	-131897	SLU 33	15366	51797	52691	2.35	241.18	-681	-180458	SLU 51	15029	47422	47618	2.45	69.59	Si
-111	5X/2Y Ø8/10	-215	-131728	SLU 33	15366	51797	52691	2.35	241.18	-681	-180289	SLU 51	15029	47422	47679	2.45	69.59	Si
-81	5X/2Y Ø8/10	-215	-131556	SLU 33	15366	51797	52691	2.35	241.18	-681	-180117	SLU 51	15029	47422	47741	2.45	69.59	Si
-52	5X/2Y Ø8/10	-215	-131384	SLU 33	15366	51797	52691	2.35	241.18	-681	-179945	SLU 51	15029	47422	47802	2.45	69.59	Si
-22	5X/2Y Ø8/14.7	-215	-131211	SLU 33	15366	37388	50429	2.5	174.09	-681	-179773	SLU 51	15029	32833	47174	2.5	48.18	Si
7	5X/2Y Ø8/14.7	-215	-131039	SLU 33	15366	37388	50429	2.5	174.09	-681	-179601	SLU 51	15029	32833	47234	2.5	48.18	Si
36	5X/2Y Ø8/14.7	-215	-130867	SLU 33	15366	37388	50429	2.5	174.09	-681	-179429	SLU 51	15029	32833	47295	2.5	48.18	Si
66	5X/2Y Ø8/14.7	-215	-130695	SLU 33	15366	37388	50429	2.5	174.09	-681	-179256	SLU 51	15029	32833	47356	2.5	48.18	Si
95	5X/2Y Ø8/14.7	-215	-130523	SLU 33	15366	37388	50429	2.5	174.09	-681	-179084	SLU 51	15029	32833	47417	2.5	48.18	Si
125	5X/2Y Ø8/14.7	-215	-130351	SLU 33	15366	37388	50429	2.5	174.09	-681	-178912	SLU 51	15029	32833	47478	2.5	48.18	Si
154	5X/2Y Ø8/14.7	-215	-130179	SLU 33	15366	37388	50429	2.5	174.09	-681	-178740	SLU 51	15029	32833	47539	2.5	48.18	Si
184	5X/2Y Ø8/14.7	-215	-130007	SLU 33	15366	37388	50429	2.5	174.09	-681	-178568	SLU 51	15029	32833	47599	2.5	48.18	Si
213	5X/2Y Ø8/14.7	-215	-129833	SLU 33	15366	37388	50429	2.5	174.09	-681	-178394	SLU 51	15029	32833	47661	2.5	48.18	Si
242	5X/2Y Ø8/10	-215	-129663	SLU 33	15366	51792	52691	2.35	241.15	-681	-178224	SLU 51	15029	47417	48420	2.45	69.58	Si
272	5X/2Y Ø8/10	-215	-129491	SLU 33	15366	51792	52691	2.35	241.15	-681	-178052	SLU 51	15029	47417	48481	2.45	69.58	Si
301	5X/2Y Ø8/10	-215	-129319	SLU 33	15366	51792	52691	2.35	241.15	-681	-177880	SLU 51	15029	47417	48543	2.45	69.58	Si
331	5X/2Y Ø8/10	-215	-129147	SLU 33	15366	51792	52691	2.35	241.15	-681	-177708	SLU 51	15029	47417	48605	2.45	69.58	Si
360	5X/2Y Ø8/10	-215	-128978	SLU 33	15366	51792	52691	2.35	241.15	-681	-177539	SLU 51	15029	47417	48665	2.45	69.58	Si
380	5X/2Y Ø8/10	-381	-139524	SLU 47	15366	51792	52691	2.35	135.93	-1545	-138539	SLU 45	15029	48385	55356	2.5	31.32	Si
409	5X/2Y Ø8/10	-381	-139354	SLU 47	15366	51792	52691	2.35	135.93	-1545	-138369	SLU 45	15029	48385	55356	2.5	31.32	Si
438	5X/2Y Ø8/10	-381	-139184	SLU 47	15366	51792	52691	2.35	135.93	-1545	-138200	SLU 45	15029	48385	55356	2.5	31.32	Si
467	5X/2Y Ø8/14.4	-381	-139015	SLU 47	15366	38145	50429	2.5	100.11	-1545	-138030	SLU 45	15029	33497	55356	2.5	21.69	Si
496	5X/2Y Ø8/14.4	-381	-138845	SLU 47	15366	38145	50429	2.5	100.11	-1545	-137861	SLU 45	15029	33497	55356	2.5	21.69	Si
525	5X/2Y Ø8/14.4	-381	-138675	SLU 47	15366	38145	50429	2.5	100.11	-1545	-137691	SLU 45	15029	33497	55356	2.5	21.69	Si
554	5X/2Y Ø8/14.4	-381	-138506	SLU 47	15366	38145	50429	2.5	100.11	-1545	-137521	SLU 45	15029	33497	55356	2.5	21.69	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
583	5X/2Y Ø8/14.4	-381	-138336	SLU 47	15366	38145	50429	2.5	100.11	-1545	-137352	SLU 45	15029	33497	55356	2.5	21.69	Si
612	5X/2Y Ø8/10	-381	-138167	SLU 47	15366	51792	52691	2.35	135.93	-1545	-137182	SLU 45	15029	48385	55356	2.5	31.32	Si
641	5X/2Y Ø8/10	-381	-137997	SLU 47	15366	51792	52691	2.35	135.93	-1545	-137012	SLU 45	15029	48385	55356	2.5	31.32	Si
670	5X/2Y Ø8/10	-381	-137827	SLU 47	15366	51792	52691	2.35	135.93	-1545	-136843	SLU 45	15029	48385	55356	2.5	31.32	Si
690	5X/2Y Ø8/10	-478	-116534	SLU 51	15366	51792	52691	2.35	108.35	-1037	-116534	SLU 51	15029	48385	55356	2.5	46.64	Si
719	5X/2Y Ø8/10	-478	-116364	SLU 51	15366	51792	52691	2.35	108.35	-1037	-116364	SLU 51	15029	48385	55356	2.5	46.64	Si
748	5X/2Y Ø8/10	-478	-116194	SLU 51	15366	51792	52691	2.35	108.35	-1037	-116194	SLU 51	15029	48385	55356	2.5	46.64	Si
777	5X/2Y Ø8/14.4	-478	-116025	SLU 51	15366	38145	50429	2.5	79.8	-1037	-116025	SLU 51	15029	33497	55356	2.5	32.29	Si
806	5X/2Y Ø8/14.4	-478	-115855	SLU 51	15366	38145	50429	2.5	79.8	-1037	-115855	SLU 51	15029	33497	55356	2.5	32.29	Si
835	5X/2Y Ø8/14.4	-478	-115685	SLU 51	15366	38145	50429	2.5	79.8	-1037	-115685	SLU 51	15029	33497	55356	2.5	32.29	Si
864	5X/2Y Ø8/14.4	-478	-115516	SLU 51	15366	38145	50429	2.5	79.8	-1037	-115516	SLU 51	15029	33497	55356	2.5	32.29	Si
893	5X/2Y Ø8/14.4	-478	-115346	SLU 51	15366	38145	50429	2.5	79.8	-1037	-115346	SLU 51	15029	33497	55356	2.5	32.29	Si
922	5X/2Y Ø8/10	-478	-115176	SLU 51	15366	51792	52691	2.35	108.35	-1037	-115176	SLU 51	15029	48385	55356	2.5	46.64	Si
951	5X/2Y Ø8/10	-478	-115007	SLU 51	15366	51792	52691	2.35	108.35	-1037	-115007	SLU 51	15029	48385	55356	2.5	46.64	Si
980	5X/2Y Ø8/10	-478	-114840	SLU 51	15366	51792	52691	2.35	108.35	-1037	-114840	SLU 51	15029	48385	55356	2.5	46.64	Si
1000	4X/2Y Ø8/10	-476	-84841	SLU 51	12805	42315	43268	2.4	88.85	-1000	-84616	SLU 49	12600	39534	45230	2.5	39.54	Si
1029	4X/2Y Ø8/10	-476	-84700	SLU 51	12805	42315	43268	2.4	88.85	-1000	-84475	SLU 49	12600	39534	45230	2.5	39.54	Si
1058	4X/2Y Ø8/10	-476	-84558	SLU 51	12805	42315	43268	2.4	88.85	-1000	-84333	SLU 49	12600	39534	45230	2.5	39.54	Si
1087	4X/2Y Ø8/14.4	-476	-84417	SLU 51	12805	30516	42024	2.5	64.07	-1000	-84192	SLU 49	12600	27370	45230	2.5	27.38	Si
1116	4X/2Y Ø8/14.4	-476	-84276	SLU 51	12805	30516	42024	2.5	64.07	-1000	-84051	SLU 49	12600	27370	45230	2.5	27.38	Si
1145	4X/2Y Ø8/14.4	-476	-84134	SLU 51	12805	30516	42024	2.5	64.07	-1000	-83909	SLU 49	12600	27370	45230	2.5	27.38	Si
1174	4X/2Y Ø8/14.4	-476	-83993	SLU 51	12805	30516	42024	2.5	64.07	-1000	-83768	SLU 49	12600	27370	45230	2.5	27.38	Si
1203	4X/2Y Ø8/14.4	-476	-83852	SLU 51	12805	30516	42024	2.5	64.07	-1000	-83627	SLU 49	12600	27370	45230	2.5	27.38	Si
1232	4X/2Y Ø8/10	-476	-83710	SLU 51	12805	42315	43268	2.4	88.85	-1000	-83485	SLU 49	12600	39534	45230	2.5	39.54	Si
1261	4X/2Y Ø8/10	-476	-83569	SLU 51	12805	42315	43268	2.4	88.85	-1000	-83344	SLU 49	12600	39534	45230	2.5	39.54	Si
1290	4X/2Y Ø8/10	-476	-83430	SLU 51	12805	42315	43268	2.4	88.85	-1000	-83205	SLU 49	12600	39534	45230	2.5	39.54	Si
1310	4X/2Y Ø8/10	-690	-53624	SLU 51	12805	41434	42343	2.35	60.04	342	-53435	SLU 49	12600	39534	43591	2.5	115.45	Si
1339	4X/2Y Ø8/10	-690	-53483	SLU 51	12805	41434	42324	2.35	60.04	342	-53294	SLU 49	12600	39534	43572	2.5	115.45	Si
1368	4X/2Y Ø8/10	-690	-53341	SLU 51	12805	41434	42305	2.35	60.04	342	-53153	SLU 49	12600	39534	43552	2.5	115.45	Si
1397	4X/2Y Ø8/14.4	-690	-53200	SLU 51	12805	30516	40471	2.5	44.22	342	-53011	SLU 49	12600	27370	43532	2.5	79.93	Si
1426	4X/2Y Ø8/14.4	-690	-53059	SLU 51	12805	30516	40453	2.5	44.22	342	-52870	SLU 49	12600	27370	43513	2.5	79.93	Si
1455	4X/2Y Ø8/14.4	-690	-52917	SLU 51	12805	30516	40435	2.5	44.22	342	-52729	SLU 49	12600	27370	43493	2.5	79.93	Si
1484	4X/2Y Ø8/14.4	-690	-52776	SLU 51	12805	30516	40417	2.5	44.22	342	-52587	SLU 49	12600	27370	43474	2.5	79.93	Si
1513	4X/2Y Ø8/14.4	-690	-52635	SLU 51	12805	30516	40398	2.5	44.22	342	-52446	SLU 49	12600	27370	43454	2.5	79.93	Si
1542	4X/2Y Ø8/10	-690	-52493	SLU 51	12805	41434	42191	2.35	60.04	342	-52304	SLU 49	12600	39534	43434	2.5	115.45	Si
1571	4X/2Y Ø8/10	-690	-52352	SLU 51	12805	41434	42172	2.35	60.04	342	-52163	SLU 49	12594	39534	43415	2.5	115.45	Si
1600	4X/2Y Ø8/10	-690	-52213	SLU 51	12805	41434	42153	2.35	60.04	342	-52024	SLU 49	12576	39534	43396	2.5	115.45	Si
1620	4X/2Y Ø8/10	-2509	-24127	SLU 51	9309	38789	40123	2.2	15.46	1512	-23945	SLU 50	8813	38743	40081	2.45	25.63	Si
1649	4X/2Y Ø8/10	-2509	-23986	SLU 51	9292	38789	40103	2.2	15.46	1512	-23803	SLU 50	8794	38743	40062	2.45	25.63	Si
1678	4X/2Y Ø8/10	-2509	-23844	SLU 51	9274	38789	40083	2.2	15.46	1512	-23662	SLU 50	8775	38743	40042	2.45	25.63	Si
1707	4X/2Y Ø8/14.4	-2509	-23703	SLU 51	9256	30516	36672	2.5	12.16	1512	-23521	SLU 50	8756	27370	39444	2.5	18.1	Si
1736	4X/2Y Ø8/14.4	-2509	-23562	SLU 51	9239	30516	36654	2.5	12.16	1512	-23379	SLU 50	8737	27370	39425	2.5	18.1	Si
1765	4X/2Y Ø8/14.4	-2509	-23420	SLU 51	9221	30516	36636	2.5	12.16	1512	-23238	SLU 50	8718	27370	39405	2.5	18.1	Si
1794	4X/2Y Ø8/14.4	-2509	-23279	SLU 51	9204	30516	36618	2.5	12.16	1512	-23096	SLU 50	8700	27370	39386	2.5	18.1	Si
1823	4X/2Y Ø8/14.4	-2509	-23137	SLU 51	9186	30516	36599	2.5	12.16	1512	-22955	SLU 50	8681	27370	39366	2.5	18.1	Si
1852	4X/2Y Ø8/10	-2509	-22996	SLU 51	9168	38789	39964	2.2	15.46	1512	-22814	SLU 50	8662	38743	39922	2.45	25.63	Si
1881	4X/2Y Ø8/10	-2509	-22855	SLU 51	9151	38789	39944	2.2	15.46	1512	-22672	SLU 50	8643	38743	39902	2.45	25.63	Si
1910	4X/2Y Ø8/10	-2509	-22716	SLU 51	9133	38789	39924	2.2	15.46	1512	-22533	SLU 50	8624	38743	39883	2.45	25.63	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-797	-121391	SLV 9	15366	51797	52691	2.35	65.02	-3928	-118241	SLV 13	15029	48390	55356	2.5	12.32	Si
-111	5X/2Y Ø8/10	-797	-121261	SLV 9	15366	51797	52691	2.35	65.02	-3928	-118111	SLV 13	15029	48390	55356	2.5	12.32	Si
-81	5X/2Y Ø8/10	-797	-121129	SLV 9	15366	51797	52691	2.35	65.02	-3928	-117978	SLV 13	15029	48390	55356	2.5	12.32	Si
-52	5X/2Y Ø8/10	-797	-120996	SLV 9	15366	51797	52691	2.35	65.02	-3928	-117846	SLV 13	15029	48390	55356	2.5	12.32	Si
-22	5X/2Y Ø8/14.7	-797	-120864	SLV 9	15366	37388	50429	2.5	46.94	-3928	-117714	SLV 13	15029	32833	55356	2.5	8.36	Si
7	5X/2Y Ø8/14.7	-797	-120732	SLV 9	15366	37388	50429	2.5	46.94	-3928	-117581	SLV 13	15029	32833	55356	2.5	8.36	Si
36	5X/2Y Ø8/14.7	-797	-120599	SLV 9	15366	37388	50429	2.5	46.94	-3928	-117449	SLV 13	15029	32833	55356	2.5	8.36	Si
66	5X/2Y Ø8/14.7	-797	-120467	SLV 9	15366	37388	50429	2.5	46.94	-3928	-117317	SLV 13	15029	32833	55356	2.5	8.36	Si
95	5X/2Y Ø8/14.7	-797	-120335	SLV 9	15366	37388	50429	2.5	46.94	-3928	-117184	SLV 13	15029	32833	55356	2.5	8.36	Si
125	5X/2Y Ø8/14.7	-797	-120202	SLV 9	15366	37388	50429	2.5	46.94	-3928	-117052	SLV 13	15029	32833	55356	2.5	8.36	Si
154	5X/2Y Ø8/14.7	-797	-120070	SLV 9	15366	37388	50429	2.5	46.94	-3928	-116920	SLV 13	15029	32833	55356	2.5	8.36	Si
184	5X/2Y Ø8/14.7	-797	-119938	SLV 9	15366	37388	50429	2.5	46.94	-3928	-116787	SLV 13	15029	32833	55356	2.5	8.36	Si
213	5X/2Y Ø8/14.7	-797	-119804	SLV 9	15366	37388	50429	2.5	46.94	-3928	-116654	SLV 13	15029	32833	55356	2.5	8.36	Si
242	5X/2Y Ø8/10	-797	-119673	SLV 9	15366	51792	52691	2.35	65.02	-3928	-116522	SLV 13	15029	48385	55356	2.5	12.32	Si
272	5X/2Y Ø8/10	-797	-119541	SLV 9	15366	51792	52691	2.35	65.02	-3928	-116390	SLV 13	15029	48385	55356	2.5	12.32	Si
301	5X/2Y Ø8/10	-797	-119408	SLV 9	15366	51792	52691	2.35	65.02	-3928	-116258	SLV 13	15029	48385	55356	2.5	12.32	Si
331	5X/2Y Ø8/10	-797	-119276	SLV 9	15366	51792	52691	2.35	65.02	-3928	-116125	SLV 13	15029	48385	55356	2.5	12.32	Si
360	5X/2Y Ø8/10	-797	-119146	SLV 9	15366	51792	52691	2.35	65.02	-3928	-115995	SLV 13	15029	48385	55356	2.5	12.32	Si
380	5X/2Y Ø8/10	-1143	-99368	SLV 9	15366	51792	52691	2.35	45.32	-1710	-96828	SLV 13	15029	48385	55356	2.5	28.3	Si
409	5X/2Y Ø8/10	-1143	-99238	SLV 9	15366	51792	52691	2.35	45.32	-1710	-96698	SLV 13	15029	48385	55356	2.5	28.3	Si
438	5X/2Y Ø8/10	-1143	-99107	SLV 9	15366	51792	52691	2.35	45.32	-1710	-96567	SLV 13	15029	48385	55356	2.5	28.3	Si
467	5X/2Y Ø8/14.4	-1143	-98977	SLV 9	15366	38145	50429	2.5	33.38	-1710	-96437	SLV 13	15029	33497	55356	2.5	19.59	Si
496	5X/2Y Ø8/14.4	-1143	-98846	SLV 9	15366	38145	50429	2.5	33.38	-1710	-96306	SLV 13	15029	33497	55356	2.5	19.59	Si
525	5X/2Y Ø8/14.4	-1143	-98716	SLV 9	15366	38145	50429	2.5	33.38	-1710	-96176	SLV 13	15029	33497	55356	2.5	19.59	Si
554	5X/2Y Ø8/14.4	-1143	-98585	SLV 9	15366	38145	50429	2.5	33.38	-1710	-96045	SLV 13	15029	33497	55356	2.5	19.59	Si
583	5X/2Y Ø8/14.4	-1143	-98455	SLV 9	15366	38145	50429	2.5	33.38	-1710	-95915	SLV 13	15029	33497	55356	2.5	19.59	Si
612	5X/2Y Ø8/10	-1143	-98324	SLV 9	15366	51792	52691	2.35	45.32	-1710	-95784	SLV 13	15029	48385	55356	2.5	28.3	Si
641	5X/2Y Ø8/10	-1143	-98194	SLV 9	15366	51792	52691	2.35	45.32	-1710	-95654	SLV 13	15029	48385	55356	2.5	28.3	Si
670	5X/2Y Ø8/10	-1143	-98063	SLV 9	15366	51792	52691	2.35	45.32	-1710	-95523	SLV 13	15029	48385	55356	2.5	28.3	Si
690	5X/2Y Ø8/10	-1232	-78288	SLV 9	15366	51792	52688	2.35	42.02	-2551	-76350	SLV 13	15029	48385	55079	2.5	18.97	Si
719	5X/2Y Ø8/10	-1232	-78157	SLV 9	15366	51792	52670	2.35	42.02	-2551	-76220	SLV 13	15029	48385	55061	2.5	18.97	Si
748	5X/2Y Ø8/10	-1232	-78027	SLV 9	15366	51792	52653	2.35	42.02	-2551	-76089	SLV 13	15029	48385	55042	2.5	18.97	Si
777	5X/2Y Ø8/14.4	-1232	-77896	SLV 9	15366	38145	50376	2.5	30.95	-2551	-75959	SLV 13	15029	33497	55024	2.5	13.13	Si
806	5X/2Y Ø8/14.4	-1232	-77766	SLV 9	15366	38145	50359	2.5	30.95	-2551	-75828	SLV 13	15029	33497	55005	2.5	13.13	Si
835	5X/2Y Ø8/14.4	-1232	-77635	SLV 9	15366	38145	50342	2.5	30.95	-2551	-75698	SLV 13	15029	33497	54987	2.5	13.13	Si
864	5X/2Y Ø8/14.4	-1232	-77505	SLV 9	15366	38145	50325	2.5	30.95	-2551	-75567	SLV 13	15029	33497	54969	2.5	13.13	Si
893	5X/2Y Ø8/14.4	-1232	-77374	SLV 9	15366	38145	50309	2.5	30.95	-2551	-75437	SLV 13	15029	33497	54950	2.5	13.13	Si
922	5X/2Y Ø8/10	-1232	-77244	SLV 9	15366	51792	52547	2.35	42.02	-2551	-75306	SLV 13	15029	48385	54932	2.5	18.97	Si
951	5X/2Y Ø8/10	-1232	-77113	SLV 9	15366	51792	52530	2.35	42.02	-2551	-75176	SLV 13	15029	48385	54913	2.5	18.97	Si
980	5X/2Y Ø8/10	-1232	-76985	SLV 9	15366	51792	52512	2.35	42.02	-2551	-75047	SLV 13	15029	48385	54895	2.5	18.97	Si
1000	4X/2Y Ø8/10	-1069	-57027	SLV 9	12805	41434	42801	2.35	38.77	-1961	-55717	SLV 13	12600	39534	43907	2.5	20.16	Si
1029	4X/2Y Ø8/10	-1069	-56918	SLV 9	12805	41434	42787	2.35	38.77	-1961	-55608	SLV 13	12600	39534	43892	2.5	20.16	Si
1058	4X/2Y Ø8/10	-1069	-56809	SLV 9	12805	41434	42772	2.35	38.77	-1961	-55499	SLV 13	12600	39534	43877	2.5	20.16	Si
1087	4X/2Y Ø8/14.4	-1069	-56700	SLV 9	12805	30516	40922	2.5	28.55	-1961	-55391	SLV 13	12600	27370	43862	2.5	13.96	Si
1116	4X/2Y Ø8/14.4	-1069	-56592	SLV 9	12805	30516	40908	2.5	28.55	-1961	-55282	SLV 13	12600	27370	43847	2.5	13.96	Si
1145	4X/2Y Ø8/14.4	-1069	-56483	SLV 9	12805	30516	40894	2.5	28.55	-1961	-55173	SLV 13	12600	27370	43832	2.5	13.96	Si
1174	4X/2Y Ø8/14.4	-1069	-56374	SLV 9	12805	30516	40880	2.5	28.55	-1961	-55064	SLV 13	12600	27370	43817	2.5	13.96	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1203	4X/2Y Ø8/14.4	-1069	-56265	SLV 9	12805	30516	40866	2.5	28.55	-1961	-54956	SLV 13	12600	27370	43802	2.5	13.96	Si
1232	4X/2Y Ø8/10	-1069	-56157	SLV 9	12805	41434	42684	2.35	38.77	-1961	-54847	SLV 13	12600	39534	43787	2.5	20.16	Si
1261	4X/2Y Ø8/10	-1069	-56048	SLV 9	12805	41434	42669	2.35	38.77	-1961	-54738	SLV 13	12600	39534	43772	2.5	20.16	Si
1290	4X/2Y Ø8/10	-1069	-55941	SLV 9	12805	41434	42655	2.35	38.77	-1961	-54631	SLV 13	12600	39534	43757	2.5	20.16	Si
1310	4X/2Y Ø8/10	-1386	-34846	SLV 5	10644	39671	41015	2.25	28.62	2429	-29110	SLV 3	9505	39534	40219	2.5	16.28	Si
1339	4X/2Y Ø8/10	-1386	-34737	SLV 5	10630	39671	40999	2.25	28.62	2429	-29001	SLV 3	9491	39534	40204	2.5	16.28	Si
1368	4X/2Y Ø8/10	-1386	-34628	SLV 5	10617	39671	40984	2.25	28.62	2429	-28892	SLV 3	9476	39534	40189	2.5	16.28	Si
1397	4X/2Y Ø8/14.4	-1386	-34519	SLV 5	10603	30516	38065	2.5	22.01	2429	-28784	SLV 3	9462	27370	40174	2.5	11.27	Si
1426	4X/2Y Ø8/14.4	-1386	-34411	SLV 5	10590	30516	38051	2.5	22.01	2429	-28675	SLV 3	9447	27370	40159	2.5	11.27	Si
1455	4X/2Y Ø8/14.4	-1386	-34302	SLV 5	10576	30516	38037	2.5	22.01	2429	-28566	SLV 3	9432	27370	40144	2.5	11.27	Si
1484	4X/2Y Ø8/14.4	-1386	-34193	SLV 5	10562	30516	38023	2.5	22.01	2429	-28457	SLV 3	9418	27370	40129	2.5	11.27	Si
1513	4X/2Y Ø8/14.4	-1386	-34084	SLV 5	10549	30516	38009	2.5	22.01	2429	-28349	SLV 3	9403	27370	40114	2.5	11.27	Si
1542	4X/2Y Ø8/10	-1386	-33976	SLV 5	10535	39671	40894	2.25	28.62	2429	-28240	SLV 3	9389	39534	40099	2.5	16.28	Si
1571	4X/2Y Ø8/10	-1386	-33867	SLV 5	10522	39671	40879	2.25	28.62	2429	-28131	SLV 3	9374	39534	40084	2.5	16.28	Si
1600	4X/2Y Ø8/10	-1386	-33760	SLV 5	10509	39671	40864	2.25	28.62	2429	-28024	SLV 3	9360	39534	40069	2.5	16.28	Si
1620	4X/2Y Ø8/10	-2690	-16224	SLV 9	8325	38789	39011	2.2	14.42	2812	-12345	SLV 3	7259	37953	39017	2.4	13.5	Si
1649	4X/2Y Ø8/10	-2690	-16116	SLV 9	8312	38789	38996	2.2	14.42	2812	-12237	SLV 3	7244	37953	39001	2.4	13.5	Si
1678	4X/2Y Ø8/10	-2690	-16007	SLV 9	8298	38789	38980	2.2	14.42	2812	-12128	SLV 3	7230	37953	38985	2.4	13.5	Si
1707	4X/2Y Ø8/14.4	-2690	-15898	SLV 9	8285	30516	35667	2.5	11.34	2812	-12019	SLV 3	7215	27370	37850	2.5	9.73	Si
1736	4X/2Y Ø8/14.4	-2690	-15789	SLV 9	8271	30516	35653	2.5	11.34	2812	-11910	SLV 3	7201	27370	37835	2.5	9.73	Si
1765	4X/2Y Ø8/14.4	-2690	-15681	SLV 9	8258	30516	35639	2.5	11.34	2812	-11802	SLV 3	7186	27370	37820	2.5	9.73	Si
1794	4X/2Y Ø8/14.4	-2690	-15572	SLV 9	8244	30516	35625	2.5	11.34	2812	-11693	SLV 3	7171	27370	37805	2.5	9.73	Si
1823	4X/2Y Ø8/14.4	-2690	-15463	SLV 9	8231	30516	35611	2.5	11.34	2812	-11584	SLV 3	7157	27370	37790	2.5	9.73	Si
1852	4X/2Y Ø8/10	-2690	-15354	SLV 9	8217	38789	38889	2.2	14.42	2812	-11475	SLV 3	7142	37953	38892	2.4	13.5	Si
1881	4X/2Y Ø8/10	-2690	-15246	SLV 9	8203	38789	38873	2.2	14.42	2812	-11367	SLV 3	7128	37953	38877	2.4	13.5	Si
1910	4X/2Y Ø8/10	-2690	-15139	SLV 9	8190	38789	38858	2.2	14.42	2812	-11260	SLV 3	7113	37953	38862	2.4	13.5	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-356	-114991	SLD 9	19266	55104	50429	2.5	141.64	-1753	-113765	SLD 13	19310	48390	55356	2.5	27.6	Si
-111	5X/2Y Ø8/10	-356	-114861	SLD 9	19266	55104	50429	2.5	141.64	-1753	-113635	SLD 13	19310	48390	55356	2.5	27.6	Si
-81	5X/2Y Ø8/10	-356	-114729	SLD 9	19266	55104	50429	2.5	141.64	-1753	-113503	SLD 13	19310	48390	55356	2.5	27.6	Si
-52	5X/2Y Ø8/10	-356	-114596	SLD 9	19266	55104	50429	2.5	141.64	-1753	-113371	SLD 13	19310	48390	55356	2.5	27.6	Si
-22	5X/2Y Ø8/14.7	-356	-114464	SLD 9	19266	37388	50429	2.5	105.01	-1753	-113238	SLD 13	19310	32833	55356	2.5	18.73	Si
7	5X/2Y Ø8/14.7	-356	-114331	SLD 9	19266	37388	50429	2.5	105.01	-1753	-113106	SLD 13	19310	32833	55356	2.5	18.73	Si
36	5X/2Y Ø8/14.7	-356	-114199	SLD 9	19266	37388	50429	2.5	105.01	-1753	-112974	SLD 13	19310	32833	55356	2.5	18.73	Si
66	5X/2Y Ø8/14.7	-356	-114067	SLD 9	19266	37388	50429	2.5	105.01	-1753	-112841	SLD 13	19310	32833	55356	2.5	18.73	Si
95	5X/2Y Ø8/14.7	-356	-113934	SLD 9	19266	37388	50429	2.5	105.01	-1753	-112709	SLD 13	19310	32833	55356	2.5	18.73	Si
125	5X/2Y Ø8/14.7	-356	-113802	SLD 9	19266	37388	50429	2.5	105.01	-1753	-112577	SLD 13	19310	32833	55356	2.5	18.73	Si
154	5X/2Y Ø8/14.7	-356	-113670	SLD 9	19266	37388	50429	2.5	105.01	-1753	-112444	SLD 13	19310	32833	55356	2.5	18.73	Si
184	5X/2Y Ø8/14.7	-356	-113537	SLD 9	19266	37388	50429	2.5	105.01	-1753	-112312	SLD 13	19310	32833	55356	2.5	18.73	Si
213	5X/2Y Ø8/14.7	-356	-113404	SLD 9	19266	37388	50429	2.5	105.01	-1753	-112178	SLD 13	19310	32833	55356	2.5	18.73	Si
242	5X/2Y Ø8/10	-356	-113273	SLD 9	19266	55098	50429	2.5	141.64	-1753	-112047	SLD 13	19310	48385	55356	2.5	27.6	Si
272	5X/2Y Ø8/10	-356	-113140	SLD 9	19266	55098	50429	2.5	141.64	-1753	-111915	SLD 13	19310	48385	55356	2.5	27.6	Si
301	5X/2Y Ø8/10	-356	-113008	SLD 9	19266	55098	50429	2.5	141.64	-1753	-111782	SLD 13	19310	48385	55356	2.5	27.6	Si
331	5X/2Y Ø8/10	-356	-112876	SLD 9	19266	55098	50429	2.5	141.64	-1753	-111650	SLD 13	19310	48385	55356	2.5	27.6	Si
360	5X/2Y Ø8/10	-356	-112745	SLD 9	19266	55098	50429	2.5	141.64	-1753	-111520	SLD 13	19310	48385	55356	2.5	27.6	Si
380	5X/2Y Ø8/10	-615	-93996	SLD 9	19266	55098	50429	2.5	82.03	-1010	-93008	SLD 13	19178	48385	55356	2.5	47.92	Si
409	5X/2Y Ø8/10	-615	-93865	SLD 9	19253	55098	50429	2.5	82.03	-1010	-92877	SLD 13	19160	48385	55356	2.5	47.92	Si
438	5X/2Y Ø8/10	-615	-93735	SLD 9	19236	55098	50429	2.5	82.03	-1010	-92747	SLD 13	19142	48385	55356	2.5	47.92	Si
467	5X/2Y Ø8/14.4	-615	-93604	SLD 9	19220	38145	50429	2.5	62.05	-1010	-92616	SLD 13	19124	33497	55356	2.5	33.17	Si
496	5X/2Y Ø8/14.4	-615	-93474	SLD 9	19204	38145	50429	2.5	62.05	-1010	-92486	SLD 13	19106	33497	55356	2.5	33.17	Si
525	5X/2Y Ø8/14.4	-615	-93343	SLD 9	19188	38145	50429	2.5	62.05	-1010	-92355	SLD 13	19089	33497	55356	2.5	33.17	Si
554	5X/2Y Ø8/14.4	-615	-93213	SLD 9	19171	38145	50429	2.5	62.05	-1010	-92225	SLD 13	19071	33497	55356	2.5	33.17	Si
583	5X/2Y Ø8/14.4	-615	-93082	SLD 9	19155	38145	50429	2.5	62.05	-1010	-92094	SLD 13	19053	33497	55356	2.5	33.17	Si
612	5X/2Y Ø8/10	-615	-92952	SLD 9	19139	55098	50429	2.5	82.03	-1010	-91964	SLD 13	19035	48385	55356	2.5	47.92	Si
641	5X/2Y Ø8/10	-615	-92821	SLD 9	19123	55098	50429	2.5	82.03	-1010	-91833	SLD 13	19017	48385	55356	2.5	47.92	Si
670	5X/2Y Ø8/10	-615	-92691	SLD 9	19106	55098	50429	2.5	82.03	-1010	-91703	SLD 13	18999	48385	55356	2.5	47.92	Si
690	5X/2Y Ø8/10	-675	-73993	SLD 9	16779	55098	49873	2.5	73.87	-1322	-73237	SLD 13	16476	48385	54639	2.5	36.59	Si
719	5X/2Y Ø8/10	-675	-73862	SLD 9	16762	55098	49856	2.5	73.84	-1322	-73107	SLD 13	16458	48385	54621	2.5	36.59	Si
748	5X/2Y Ø8/10	-675	-73732	SLD 9	16746	55098	49840	2.5	73.82	-1322	-72976	SLD 13	16440	48385	54602	2.5	36.59	Si
777	5X/2Y Ø8/14.4	-675	-73601	SLD 9	16730	38145	49823	2.5	56.5	-1322	-72846	SLD 13	16422	33497	54584	2.5	25.33	Si
806	5X/2Y Ø8/14.4	-675	-73471	SLD 9	16714	38145	49806	2.5	56.5	-1322	-72715	SLD 13	16405	33497	54565	2.5	25.33	Si
835	5X/2Y Ø8/14.4	-675	-73340	SLD 9	16697	38145	49789	2.5	56.5	-1322	-72585	SLD 13	16387	33497	54547	2.5	25.33	Si
864	5X/2Y Ø8/14.4	-675	-73210	SLD 9	16681	38145	49772	2.5	56.5	-1322	-72454	SLD 13	16369	33497	54529	2.5	25.33	Si
893	5X/2Y Ø8/14.4	-675	-73079	SLD 9	16665	38145	49756	2.5	56.5	-1322	-72324	SLD 13	16351	33497	54510	2.5	25.33	Si
922	5X/2Y Ø8/10	-675	-72949	SLD 9	16649	55098	49739	2.5	73.67	-1322	-72193	SLD 13	16333	48385	54492	2.5	36.59	Si
951	5X/2Y Ø8/10	-675	-72818	SLD 9	16632	55098	49722	2.5	73.64	-1322	-72063	SLD 13	16315	48385	54473	2.5	36.59	Si
980	5X/2Y Ø8/10	-675	-72690	SLD 9	16616	55098	49705	2.5	73.62	-1322	-71935	SLD 13	16298	48385	54455	2.5	36.59	Si
1000	4X/2Y Ø8/10	-610	-53773	SLD 9	13000	44078	40545	2.5	66.45	-1109	-53258	SLD 13	12741	39534	43567	2.5	35.65	Si
1029	4X/2Y Ø8/10	-610	-53664	SLD 9	12987	44078	40531	2.5	66.42	-1109	-53149	SLD 13	12727	39534	43551	2.5	35.65	Si
1058	4X/2Y Ø8/10	-610	-53555	SLD 9	12973	44078	40517	2.5	66.4	-1109	-53041	SLD 13	12712	39534	43536	2.5	35.65	Si
1087	4X/2Y Ø8/14.4	-610	-53446	SLD 9	12959	30516	40503	2.5	50.01	-1109	-52932	SLD 13	12697	27370	43521	2.5	24.68	Si
1116	4X/2Y Ø8/14.4	-610	-53338	SLD 9	12946	30516	40489	2.5	50.01	-1109	-52823	SLD 13	12683	27370	43506	2.5	24.68	Si
1145	4X/2Y Ø8/14.4	-610	-53229	SLD 9	12932	30516	40475	2.5	50.01	-1109	-52714	SLD 13	12668	27370	43491	2.5	24.68	Si
1174	4X/2Y Ø8/14.4	-610	-53120	SLD 9	12919	30516	40461	2.5	50.01	-1109	-52606	SLD 13	12654	27370	43476	2.5	24.68	Si
1203	4X/2Y Ø8/14.4	-610	-53011	SLD 9	12905	30516	40447	2.5	50.01	-1109	-52497	SLD 13	12639	27370	43461	2.5	24.68	Si
1232	4X/2Y Ø8/10	-610	-52903	SLD 9	12892	44078	40433	2.5	66.26	-1109	-52388	SLD 13	12624	39534	43446	2.5	35.65	Si
1261	4X/2Y Ø8/10	-610	-52794	SLD 9	12878	44078	40419	2.5	66.24	-1109	-52279	SLD 13	12610	39534	43431	2.5	35.65	Si
1290	4X/2Y Ø8/10	-610	-52687	SLD 9	12865	44078	40405	2.5	66.22	-1109	-52172	SLD 13	12596	39534	43416	2.5	35.65	Si
1310	4X/2Y Ø8/10	-840	-33309	SLD 5	10452	44078	37909	2.5	45.14	1100	-30948	SLD 3	9752	39534	40474	2.5	35.93	Si
1339	4X/2Y Ø8/10	-840	-33200	SLD 5	10439	44078	37895	2.5	45.12	1100	-30839	SLD 3	9737	39534	40459	2.5	35.93	Si
1368	4X/2Y Ø8/10	-840	-33091	SLD 5	10425	44078	37881	2.5	45.11	1100	-30731	SLD 3	9722	39534	40444	2.5	35.93	Si
1397	4X/2Y Ø8/14.4	-840	-32983	SLD 5	10412	30516	37867	2.5	36.34	1100	-30622	SLD 3	9708	27370	40429	2.5	24.87	Si
1426	4X/2Y Ø8/14.4	-840	-32874	SLD 5	10398	30516	37853	2.5	36.34	1100	-30513	SLD 3	9693	27370	40414	2.5	24.87	Si
1455	4X/2Y Ø8/14.4	-840	-32765	SLD 5	10385	30516	37839	2.5	36.34	1100	-30404	SLD 3	9679	27370	40399	2.5	24.87	Si
1484	4X/2Y Ø8/14.4	-840	-32656	SLD 5	10371	30516	37825	2.5	36.34	1100	-30296	SLD 3	9664	27370	40384	2.5	24.87	Si
1513	4X/2Y Ø8/14.4	-840	-32548	SLD 5	10358	30516	37811	2.5	36.34	1100	-30187	SLD 3	9650	27370	40368	2.5	24.87	Si
1542	4X/2Y Ø8/10	-840	-32439	SLD 5	10344	44078	37797	2.5	45.01	1100	-30078	SLD 3	9635	39534	40353	2.5	35.93	Si
1571	4X/2Y Ø8/10	-840	-32330	SLD 5	10330	44078	37783	2.5	44.99	1100	-29969	SLD 3	9620	39534	40338	2.5	35.93	Si
1600	4X/2Y Ø8/10	-840	-32223	SLD 5	10317	44078	37770	2.5	44.97	1100	-29862	SLD 3	9606	39534	40324	2.5	35.93	Si
1620	4X/2Y Ø8/10	-1957	-14982	SLD 9	8171	44078	35549	2.5	18.17	1656	-13356	SLD 3	7394	39534	38035	2.5	22.97	Si
1649	4X/2Y Ø8/10	-1957	-14873	SLD 9	8157	44078	35535	2.5	18.16	1656	-13247	SLD 3	7380	39534	38020	2.5	22.96	Si
1678	4X/2Y Ø8/10	-1957	-14764	SLD 9	8144	44078	35521	2.5	18.15	1656	-13138	SLD 3	7365	39534	38005	2.5	22.95	Si
1707	4X/2Y Ø8/14.4	-1957	-14655	SLD 9	8130	30516	35507	2.5	15.6	1656	-13029	SLD 3	7351	27370	37990	2.5	16.53	Si
1736	4X/2Y Ø8/14.4	-1957	-14547	SLD 9	8116	30516	35493	2.5	15.6	1656	-12921	SLD 3	7336	27370	37975	2.5	16.53	Si
1765	4X/2Y Ø8/14.4	-1957	-14438	SLD 9	8103	30516	35479	2.5	15.6	1656	-12812	SLD 3	7321	27370	37960	2.5	16.53	Si
1794	4X/2Y Ø8/14.4	-1957	-14329	SLD 9	8089	30516	35465	2.5	15.6	1656	-12703	SLD 3	7307	27370	37945	2.5	16.53	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1823	4X/2Y Ø8/14.4	-1957	-14220	SLD 9	8076	30516	35451	2.5	15.6	1656	-12594	SLD 3	7292	27370	37930	2.5	16.53	Si
1852	4X/2Y Ø8/10	-1957	-14112	SLD 9	8062	44078	35437	2.5	18.11	1656	-12486	SLD 3	7278	39534	37915	2.5	22.9	Si
1881	4X/2Y Ø8/10	-1957	-14003	SLD 9	8049	44078	35423	2.5	18.1	1656	-12377	SLD 3	7263	39534	37900	2.5	22.89	Si
1910	4X/2Y Ø8/10	-1957	-13896	SLD 9	8035	44078	35409	2.5	18.1	1656	-12270	SLD 3	7249	39534	37885	2.5	22.88	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	116264	23355	-126991	SLE RA 12	-70	116264	23355	-126991	SLE RA 12	-1023.7	Si
-111	102074	20862	-126860	SLE RA 12	-67.9	102074	20862	-126860	SLE RA 12	-995.3	Si
-81	87638	18326	-126728	SLE RA 12	-66.1	87638	18326	-126728	SLE RA 12	-971.9	Si
-52	73203	15789	-126596	SLE RA 12	-65.1	73203	15789	-126596	SLE RA 12	-960.3	Si
-22	58768	13253	-126463	SLE RA 12	-64.2	58768	13253	-126463	SLE RA 12	-948.7	Si
7	44332	10717	-126331	SLE RA 12	-63.2	44332	10717	-126331	SLE RA 12	-937.1	Si
36	29897	8180	-126199	SLE RA 12	-62.2	29897	8180	-126199	SLE RA 12	-925.4	Si
66	15462	5644	-126066	SLE RA 12	-61.2	15462	5644	-126066	SLE RA 12	-913.8	Si
95	-14039	2605	-125694	SLE RA 13	-60.7	-14039	2605	-125694	SLE RA 13	-907.6	Si
125	-18688	-1018	-125562	SLE RA 13	-60.7	-18688	-1018	-125562	SLE RA 13	-908	Si
154	-27844	-1965	-125669	SLE RA 12	-61.3	-27844	-1965	-125669	SLE RA 12	-915	Si
184	-42280	-4501	-125537	SLE RA 12	-62.1	-42280	-4501	-125537	SLE RA 12	-924.7	Si
213	-56855	-7062	-125403	SLE RA 12	-63	-56855	-7062	-125403	SLE RA 12	-934.5	Si
242	-71150	-9574	-125272	SLE RA 12	-63.9	-71150	-9574	-125272	SLE RA 12	-944.2	Si
272	-85586	-12110	-125140	SLE RA 12	-64.7	-85586	-12110	-125140	SLE RA 12	-953.9	Si
301	-100021	-14646	-125007	SLE RA 12	-65.6	-100021	-14646	-125007	SLE RA 12	-963.6	Si
331	-114456	-17183	-124875	SLE RA 12	-66.4	-114456	-17183	-124875	SLE RA 12	-973.3	Si
360	-128646	-19676	-124745	SLE RA 12	-67.3	-128646	-19676	-124745	SLE RA 12	-982.9	Si
380	148882	35411	-103794	SLE RA 13	-59.7	148882	35411	-103794	SLE RA 13	-859.1	Si
409	120616	29166	-103664	SLE RA 13	-57.7	120616	29166	-103664	SLE RA 13	-836.1	Si
438	92351	22922	-103533	SLE RA 13	-55.7	92351	22922	-103533	SLE RA 13	-813.2	Si
467	64085	16677	-103403	SLE RA 13	-53.8	64085	16677	-103403	SLE RA 13	-790.2	Si
496	35819	10433	-103272	SLE RA 13	-51.8	35819	10433	-103272	SLE RA 13	-767.2	Si
525	-17380	7032	-103310	SLE RA 12	-50.6	-17380	7032	-103310	SLE RA 12	-753.7	Si
554	-38598	-1342	-103179	SLE RA 12	-51	-38598	-1342	-103179	SLE RA 12	-760.2	Si
583	-59816	-9716	-103049	SLE RA 12	-52.8	-59816	-9716	-103049	SLE RA 12	-779	Si
612	-81034	-18090	-102918	SLE RA 12	-54.5	-81034	-18090	-102918	SLE RA 12	-797.9	Si
641	-102252	-26465	-102788	SLE RA 12	-56.2	-102252	-26465	-102788	SLE RA 12	-816.8	Si
670	-123470	-34839	-102657	SLE RA 12	-57.9	-123470	-34839	-102657	SLE RA 12	-835.6	Si
690	96013	50935	-82002	SLE RA 12	-48.2	96013	50935	-82002	SLE RA 12	-686.4	Si
719	74794	40599	-81871	SLE RA 12	-46.2	74794	40599	-81871	SLE RA 12	-663.9	Si
748	53576	30262	-81741	SLE RA 12	-44.2	53576	30262	-81741	SLE RA 12	-641.5	Si
777	32357	19925	-81610	SLE RA 12	-42.2	32357	19925	-81610	SLE RA 12	-619	Si
806	11139	9589	-81480	SLE RA 12	-40.2	11139	9589	-81480	SLE RA 12	-596.5	Si
835	-15454	1071	-81225	SLE RA 13	-39.5	-15454	1071	-81225	SLE RA 13	-589.7	Si
864	-31298	-11084	-81219	SLE RA 12	-41.1	-31298	-11084	-81219	SLE RA 12	-607.8	Si
893	-52516	-21421	-81088	SLE RA 12	-43	-52516	-21421	-81088	SLE RA 12	-628.4	Si
922	-73735	-31757	-80958	SLE RA 12	-44.9	-73735	-31757	-80958	SLE RA 12	-649	Si
951	-94953	-42094	-80827	SLE RA 12	-46.7	-94953	-42094	-80827	SLE RA 12	-668.3	Si
980	-115806	-52252	-80699	SLE RA 12	-46.1	-115806	-52252	-80699	SLE RA 12	-654.6	Si
1000	80631	54324	-59731	SLE RA 12	-44.3	80631	54324	-59731	SLE RA 12	-616.9	Si
1029	60340	43998	-59622	SLE RA 12	-42.6	60340	43998	-59622	SLE RA 12	-600.7	Si
1058	40049	33673	-59513	SLE RA 12	-40.6	40049	33673	-59513	SLE RA 12	-581	Si
1087	19759	23347	-59404	SLE RA 12	-38.1	19759	23347	-59404	SLE RA 12	-552.7	Si
1116	-532	13021	-59296	SLE RA 12	-35.5	-532	13021	-59296	SLE RA 12	-525.2	Si
1145	-20823	2696	-59187	SLE RA 12	-35.7	-20823	2696	-59187	SLE RA 12	-529.6	Si
1174	-41114	-7630	-59078	SLE RA 12	-37.6	-41114	-7630	-59078	SLE RA 12	-550.3	Si
1203	-61404	-17956	-58969	SLE RA 12	-40.1	-61404	-17956	-58969	SLE RA 12	-576.8	Si
1232	-81695	-28281	-58861	SLE RA 12	-42.5	-81695	-28281	-58861	SLE RA 12	-603.3	Si
1261	-101986	-38607	-58752	SLE RA 12	-45	-101986	-38607	-58752	SLE RA 12	-629.8	Si
1290	-121927	-48754	-58645	SLE RA 12	-47.4	-121927	-48754	-58645	SLE RA 12	-655.9	Si
1310	62587	62062	-37805	SLE RA 12	-32.9	62587	62062	-37805	SLE RA 12	-442.6	Si
1339	69418	47512	-37696	SLE RA 12	-31.7	69418	47512	-37696	SLE RA 12	-431.6	Si
1368	76250	32963	-37587	SLE RA 12	-30.5	76250	32963	-37587	SLE RA 12	-420.7	Si
1397	83081	18413	-37478	SLE RA 12	-29.3	83081	18413	-37478	SLE RA 12	-409.7	Si
1426	89913	3863	-37370	SLE RA 12	-28	89913	3863	-37370	SLE RA 12	-398.7	Si
1455	96744	-10686	-37261	SLE RA 12	-29.2	96744	-10686	-37261	SLE RA 12	-410.6	Si
1484	103576	-25236	-37152	SLE RA 12	-31.2	103576	-25236	-37152	SLE RA 12	-430.8	Si
1513	110407	-39785	-37043	SLE RA 12	-33.2	110407	-39785	-37043	SLE RA 12	-450.9	Si
1542	117239	-54335	-36935	SLE RA 12	-35.3	117239	-54335	-36935	SLE RA 12	-471	Si
1571	124070	-68884	-36826	SLE RA 12	-37.3	124070	-68884	-36826	SLE RA 12	-491.2	Si
1600	130784	-83183	-36719	SLE RA 12	-39.2	130784	-83183	-36719	SLE RA 12	-511	Si
1620	-191115	201827	-16977	SLE RA 13	-60.5	-191115	201827	-16977	SLE RA 13	-640	Si
1649	-160645	150437	-16869	SLE RA 13	-45.3	-160645	150437	-16869	SLE RA 13	-505.1	Si
1678	-130175	99047	-16760	SLE RA 13	-29.5	-130175	99047	-16760	SLE RA 13	-355.5	Si
1707	-99705	47657	-16651	SLE RA 13	-21.7	-99705	47657	-16651	SLE RA 13	-275	Si
1736	-69235	-3733	-16542	SLE RA 13	-14.7	-69235	-3733	-16542	SLE RA 13	-202.5	Si
1765	-38168	-55771	-16462	SLE RA 12	-18.2	-38168	-55771	-16462	SLE RA 12	-232.3	Si
1794	-8250	-107627	-16354	SLE RA 12	-21.9	-8250	-107627	-16354	SLE RA 12	-262.6	Si
1823	21668	-159482	-16245	SLE RA 12	-28.5	21668	-159482	-16245	SLE RA 12	-328	Si
1852	51587	-211338	-16136	SLE RA 12	-45.8	51587	-211338	-16136	SLE RA 12	-464.9	Si
1881	81505	-263194	-16027	SLE RA 12	-60.5	81505	-263194	-16027	SLE RA 12	733.2	Si
1910	110907	-314155	-15921	SLE RA 12	-75.1	110907	-314155	-15921	SLE RA 12	1068.8	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	72068	14452	-110849	SLE QP 2	-59.1	Si
-111	62291	12667	-110719	SLE QP 2	-57.5	Si
-81	52344	10850	-110587	SLE QP 2	-56.1	Si
-52	42398	9034	-110454	SLE QP 2	-55.4	Si
-22	32452	7218	-110322	SLE QP 2	-54.7	Si
7	22505	5401	-110190	SLE QP 2	-54	Si
36	12559	3585	-110057	SLE QP 2	-53.3	Si
66	2613	1768	-109925	SLE QP 2	-52.6	Si
95	-7334	-48	-109793	SLE QP 2	-52.6	Si
125	-17280	-1864	-109660	SLE QP 2	-53.2	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
154	-27226	-3681	-109528	SLE QP 2	-53.7	Si
184	-37172	-5497	-109396	SLE QP 2	-54.3	Si
213	-47215	-7331	-109262	SLE QP 2	-54.9	Si
242	-57065	-9130	-109131	SLE QP 2	-55.5	Si
272	-67011	-10946	-108998	SLE QP 2	-56	Si
301	-76958	-12762	-108866	SLE QP 2	-56.6	Si
331	-86904	-14579	-108734	SLE QP 2	-57.2	Si
360	-96681	-16364	-108604	SLE QP 2	-57.8	Si
380	66574	46387	-90476	SLE QP 2	-50.4	Si
409	50412	38443	-90345	SLE QP 2	-48.9	Si
438	34250	30498	-90215	SLE QP 2	-47.3	Si
467	18089	22554	-90084	SLE QP 2	-45.8	Si
496	1927	14610	-89954	SLE QP 2	-44.2	Si
525	-14235	6665	-89823	SLE QP 2	-44	Si
554	-30396	-1279	-89693	SLE QP 2	-44.2	Si
583	-46558	-9224	-89562	SLE QP 2	-45.7	Si
612	-62720	-17168	-89432	SLE QP 2	-47.1	Si
641	-78881	-25112	-89301	SLE QP 2	-48.5	Si
670	-95043	-33057	-89171	SLE QP 2	-50	Si
690	68403	45300	-71128	SLE QP 2	-41.2	Si
719	52970	36065	-70997	SLE QP 2	-39.6	Si
748	37537	26831	-70867	SLE QP 2	-38	Si
777	22105	17596	-70736	SLE QP 2	-36.3	Si
806	6672	8361	-70606	SLE QP 2	-34.7	Si
835	-8760	-874	-70475	SLE QP 2	-34	Si
864	-24193	-10109	-70345	SLE QP 2	-35.5	Si
893	-39625	-19344	-70214	SLE QP 2	-37.1	Si
922	-55058	-28579	-70084	SLE QP 2	-38.6	Si
951	-70490	-37814	-69953	SLE QP 2	-40	Si
980	-85657	-46890	-69825	SLE QP 2	-39.4	Si
1000	58930	47836	-51550	SLE QP 2	-37.6	Si
1029	43993	38730	-51441	SLE QP 2	-36.3	Si
1058	29055	29624	-51332	SLE QP 2	-34.7	Si
1087	14118	20518	-51223	SLE QP 2	-32.7	Si
1116	-819	11412	-51115	SLE QP 2	-30.7	Si
1145	-15757	2306	-51006	SLE QP 2	-30.6	Si
1174	-30694	-6800	-50897	SLE QP 2	-32.1	Si
1203	-45631	-15906	-50788	SLE QP 2	-34.1	Si
1232	-60569	-25012	-50680	SLE QP 2	-36	Si
1261	-75506	-34117	-50571	SLE QP 2	-38	Si
1290	-90186	-43066	-50464	SLE QP 2	-39.9	Si
1310	43499	55869	-32245	SLE QP 2	-27.7	Si
1339	50254	42667	-32136	SLE QP 2	-26.6	Si
1368	57010	29464	-32027	SLE QP 2	-25.6	Si
1397	63765	16262	-31918	SLE QP 2	-24.5	Si
1426	70521	3060	-31810	SLE QP 2	-23.4	Si
1455	77276	-10143	-31701	SLE QP 2	-24.6	Si
1484	84032	-23345	-31592	SLE QP 2	-26.5	Si
1513	90787	-36547	-31483	SLE QP 2	-28.3	Si
1542	97543	-49750	-31375	SLE QP 2	-30.2	Si
1571	104298	-62952	-31266	SLE QP 2	-32.1	Si
1600	110937	-75927	-31159	SLE QP 2	-33.9	Si
1620	-156299	167466	-14090	SLE QP 2	-49.9	Si
1649	-130841	125909	-13981	SLE QP 2	-37.5	Si
1678	-105383	84353	-13872	SLE QP 2	-24.5	Si
1707	-79925	42796	-13764	SLE QP 2	-18.1	Si
1736	-54467	1239	-13655	SLE QP 2	-11.7	Si
1765	-29009	-40317	-13546	SLE QP 2	-14.2	Si
1794	-3551	-81874	-13437	SLE QP 2	-17	Si
1823	21907	-123431	-13329	SLE QP 2	-22.8	Si
1852	47365	-164987	-13220	SLE QP 2	-36.4	Si
1881	72823	-206544	-13111	SLE QP 2	-48.4	Si
1910	97842	-247384	-13004	SLE QP 2	-60.4	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

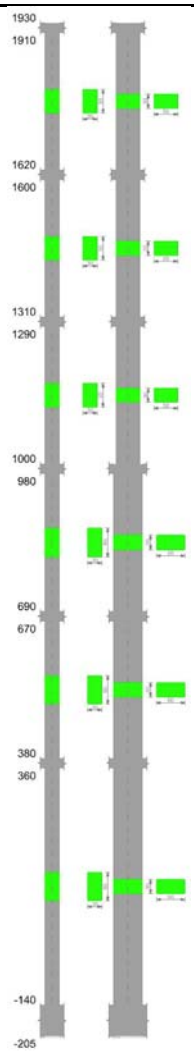
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.

Pilastro 66

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60_1	No	No	No	No		C30/37	B450C	
380	670	R 30x60_1	No	No	No	No		C30/37	B450C	
690	980	R 30x60_1	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	
1310	1600	R 30x50	No	No	No	No		C30/37	B450C	
1620	1910	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.9	8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.9	8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	-19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.67	19.67	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	-9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.9	-6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.9	9.9	6.9	1.6	2.011	1310	1620	R 30x50	B450C
p.10	-9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.67	-19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.10	-9.67	19.67	1.6	2.011	1620	1910	R 30x50	B450C
p.11	-9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	-9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	9.9	-6.9	1.6	2.011	1620	1910	R 30x50	B450C
p.11	9.9	6.9	1.6	2.011	1620	1910	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2	0	1,2	435135	-435135	-160419	785458	-785458	SLU 51	1.805	Si
-111	18.42	2	0	1,2	434676	-434676	-160249	804436	-804436	SLU 51	1.851	Si
-81	20.11	1.1	0	2	434210	-434210	-160077	818158	-818158	SLU 51	1.884	Si
-52	20.11	1.1	0	2	433743	-433743	-159905	818158	-818158	SLU 51	1.886	Si
-22	20.11	1.1	0	2	433276	-433276	-159733	818158	-818158	SLU 51	1.888	Si
7	20.11	1.1	0	2	432810	-432810	-159561	818158	-818158	SLU 51	1.89	Si
36	20.11	1.1	0	2	432343	-432343	-159389	818158	-818158	SLU 51	1.892	Si
66	20.11	1.1	0	2	431876	-431876	-159217	818158	-818158	SLU 51	1.894	Si
95	20.11	1.1	0	2	431409	-431409	-159045	818158	-818158	SLU 51	1.896	Si
125	20.11	1.1	0	2	-430943	430943	-158873	-818158	818158	SLU 51	1.899	Si
154	20.11	1.1	0	2	-430476	430476	-158701	-818158	818158	SLU 51	1.901	Si
184	20.11	1.1	0	2	-430009	430009	-158529	-818158	818158	SLU 51	1.903	Si
213	20.11	1.1	0	2	-429538	429538	-158355	-818158	818158	SLU 51	1.905	Si
242	20.11	1.1	0	2	-429076	429076	-158185	-818158	818158	SLU 51	1.907	Si
272	20.11	1.1	0	2	-428609	428609	-158013	-818158	818158	SLU 51	1.909	Si
301	20.11	1.1	0	2	-428143	428143	-157841	-818158	818158	SLU 51	1.911	Si
331	20.11	1.1	0	2	-427676	427676	-157668	-818158	818158	SLU 51	1.913	Si
360	20.11	1.1	0	2	-427217	427217	-157499	-818158	818158	SLU 51	1.915	Si
380	20.11	2.2	0	2,3	389041	264784	-132392	930630	633393	SLU 51	2.392	Si
409	20.11	2.2	0	2,3	329610	264445	-132222	798576	640693	SLU 51	2.423	Si
438	20.11	1.1	0	3	270179	-264105	-132053	661771	-646893	SLU 51	2.449	Si
467	20.11	1.1	0	3	263766	-263766	-131883	647491	-647491	SLU 51	2.455	Si
496	20.11	1.1	0	3	263427	-263427	-131713	647491	-647491	SLU 51	2.458	Si
525	20.11	1.1	0	3	263087	-263087	-131544	647491	-647491	SLU 51	2.461	Si
554	20.11	1.1	0	3	262748	-262748	-131374	647491	-647491	SLU 51	2.464	Si
583	20.11	1.1	0	3	-262409	-262409	-131204	-647491	-647491	SLU 51	2.467	Si
612	20.11	1.1	0	3	-262070	-262070	-131035	-647491	-647491	SLU 51	2.471	Si
641	20.11	1.1	0	3	-261730	-261730	-130865	-647491	-647491	SLU 51	2.474	Si
670	20.11	1.1	0	3	-261391	-261391	-130695	-647491	-647491	SLU 51	2.477	Si
690	20.11	2.2	0	3,4,6,7	264697	194974	-97487	864857	637046	SLU 52	3.267	Si
719	20.11	2.2	0	3,4,6,7	209255	194640	-97320	693992	645524	SLU 52	3.316	Si
748	20.11	1.1	0	4,6,7	194619	194619	-97310	647491	647491	SLU 51	3.327	Si
777	20.11	1.1	0	4,6,7	194280	194280	-97140	647491	647491	SLU 51	3.333	Si
806	20.11	1.1	0	4,6,7	193941	193941	-96970	647491	647491	SLU 51	3.339	Si
835	20.11	1.1	0	4,6,7	-193601	193601	-96801	-647491	647491	SLU 51	3.344	Si
864	20.11	1.1	0	4,6,7	-193262	193262	-96631	-647491	647491	SLU 51	3.35	Si
893	20.11	1.1	0	4,6,7	-192923	192923	-96461	-647491	647491	SLU 51	3.356	Si
922	20.11	1.1	0	4,6,7	-197783	192583	-96292	-664251	646788	SLU 51	3.358	Si
951	20.37	1.6	0	4,5,6,7	-254147	192244	-96122	-845967	639915	SLU 51	3.329	Si
980	27.42	2	0	4,5,6,7	-310510	191905	-95952	-1092029	674908	SLU 51	3.517	Si
1000	20.11	2.4	0	5,6,7,8	389340	-140725	-70363	1322782	-478114	SLU 51	3.397	Si
1029	17.8	2.4	0	5,6,7,8	298465	-140447	-70224	1053334	-495664	SLU 51	3.529	Si
1058	16.08	1.1	0	8	205995	-140165	-70082	755853	-514304	SLU 51	3.669	Si
1087	16.08	1.1	0	8	139882	-139882	-69941	530708	-530708	SLU 51	3.794	Si
1116	16.08	1.1	0	8	139599	-139599	-69800	530708	-530708	SLU 51	3.802	Si
1145	16.08	1.1	0	8	-139316	-139316	-69658	-530708	-530708	SLU 51	3.809	Si
1174	16.08	1.1	0	8	-163885	-139034	-69517	-618755	-524929	SLU 51	3.776	Si
1203	16.08	1.1	0	8	-256355	-138751	-69375	-921086	-498535	SLU 51	3.593	Si
1232	16.08	1.1	0	8	-348824	-138468	-69234	-1179898	-468368	SLU 51	3.382	Si
1261	16.08	1.1	0	8	-441294	-138185	-69093	-1399375	-438196	SLU 51	3.171	Si
1290	16.08	1.1	0	8	-532170	-137908	-68954	-1580762	-409642	SLU 51	2.97	Si
1310	16.08	2.1	0	8,9	285623	-108989	-41446	1417771	-540998	SLU 51	4.964	Si
1339	16.08	2.1	0	8,9	265980	-82610	-41305	1407208	-437059	SLU 51	5.291	Si
1368	16.08	1.1	0	9	246337	-82327	-41163	1338026	-447174	SLU 51	5.432	Si
1397	16.08	1.1	0	9	226694	82044	-41022	1265064	457846	SLU 51	5.58	Si
1426	16.08	1.1	0	9	207051	81761	-40881	1184621	467789	SLU 51	5.721	Si
1455	16.08	1.1	0	9	187409	111240	-40739	1048330	622259	SLU 51	5.594	Si
1484	16.08	1.1	0	9	167900	155750	-40546	886392	822250	SLU 49	5.279	Si
1513	16.08	1.1	0	9	151343	199894	-40354	745364	984479	SLU 50	4.925	Si
1542	16.08	1.1	0	9	134216	244063	-40212	613934	1116401	SLU 50	4.574	Si
1571	16.08	1.1	0	9	117089	288233	-40071	496469	1222136	SLU 50	4.24	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1600	16.08	1.1	0	9	100257	331640	-39932	394479	1304895	SLU 50	3.935	Si
1620	16.08	2.1	0	9,10,11	-66074	-524967	-15831	-129440	-1028418	SLU 51	1.959	Si
1649	16.08	2.1	0	9,10,11	-100713	-423566	-15690	-264654	-1113044	SLU 51	2.628	Si
1678	16.08	1.1	0	10,11	-135353	-322164	-15549	-505950	-1204252	SLU 51	3.738	Si
1707	16.08	1.1	0	10,11	-169992	-220763	-15407	-881006	-1144130	SLU 51	5.183	Si
1736	16.08	1.1	0	10,11	-204632	-119361	-15266	-1457643	-850242	SLU 51	7.123	Si
1765	16.08	1.1	0	10,11	-239271	-30249	-15125	-2125061	-268654	SLU 51	8.881	Si
1794	16.08	1.1	0	10,11	-273910	83441	-14983	-1829060	557186	SLU 51	6.678	Si
1823	16.08	1.1	0	10,11	-308550	184843	-14842	-1350905	809285	SLU 51	4.378	Si
1852	16.08	1.1	0	10,11	-343189	286244	-14700	-1060264	884335	SLU 51	3.089	Si
1881	16.08	1.1	0	10,11	-377829	387645	-14559	-882007	904923	SLU 51	2.334	Si
1910	22.12	2.1	0	10,11	-411871	487299	-14420	-928991	1099122	SLU 51	2.256	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	16.08	2	0	1,2	701258	-408923	-109038	-2.02	1.92	1277958	-745213	SLV 9	1.822				Si
-111	18.42	2	0	1,2	642547	-370404	-108908	-2.02	1.92	1258621	-725547	SLV 9	1.959				Si
-81	20.11	1.1	0	2	582832	-331220	-108776	-2.02	1.92	1220640	-693682	SLV 9	2.094				Si
-52	20.11	1.1	0	2	523133	-292038	-108644	-2.02	1.92	1154362	-644421	SLV 9	2.207				Si
-22	20.11	1.1	0	2	463453	-252859	-108511	-2.02	1.92	1077655	-587965	SLV 9	2.325				Si
7	20.11	1.1	0	2	403801	-213684	-108379	-2.02	1.92	990118	-523953	SLV 9	2.452				Si
36	20.11	1.1	0	2	344188	-174517	-108246	-2.02	1.92	892229	-452395	SLV 9	2.592				Si
66	20.11	1.1	0	2	284637	-135363	-108114	-2.02	1.92	782528	-372143	SLV 9	2.749				Si
95	20.11	1.1	0	2	225178	-96238	-107982	-2.02	1.92	658908	-281608	SLV 9	2.926				Si
125	20.11	1.1	0	2	165881	-57190	-107849	-2.02	1.92	506445	-174605	SLV 9	3.053				Si
154	20.11	1.1	0	2	106939	-18945	-107717	-2.02	1.92	326892	-57911	SLV 9	3.057				Si
184	20.11	1.1	0	2	51421	20766	-107585	-2.02	1.92	157378	63557	SLV 9	3.061				Si
213	20.11	1.1	0	2	16937	61698	-107451	-2.02	1.92	51902	189066	SLV 9	3.064				Si
242	20.11	1.1	0	2	-44142	100267	-107320	-2.02	1.92	-135434	307631	SLV 9	3.068				Si
272	20.11	1.1	0	2	-145286	139362	-107188	-2.02	1.92	-426557	409166	SLV 9	2.936				Si
301	20.11	1.1	0	2	-200211	178504	-107055	-2.02	1.92	-554224	494134	SLV 9	2.768				Si
331	20.11	1.1	0	2	-258423	217666	-106923	-2.02	1.92	-675800	569217	SLV 9	2.615				Si
360	20.11	1.1	0	2	-316383	256171	-106793	-2.02	1.92	-784484	635187	SLV 9	2.48				Si
380	20.11	2.2	0	2,3	363973	-328767	-86966	-2.02	1.92	940835	-849830	SLV 13	2.585				Si
409	20.11	2.2	0	2,3	304433	-269675	-86836	-2.02	1.92	856405	-758628	SLV 13	2.813				Si
438	20.11	1.1	0	3	246525	-210656	-86705	-2.02	1.92	754497	-644720	SLV 13	3.061				Si
467	20.11	1.1	0	3	191926	-151815	-86575	-2.02	1.92	641641	-507542	SLV 13	3.343				Si
496	20.11	1.1	0	3	162489	-77095	-88600	-2.02	1.92	588344	-279146	SLV 9	3.621				Si
525	20.11	1.1	0	3	34188	-35515	-88469	-2.02	1.92	127242	-132182	SLV 9	3.722				Si
554	20.11	1.1	0	3	-64567	15259	-88339	-2.02	1.92	-240664	56874	SLV 9	3.727				Si
583	20.11	1.1	0	3	-123527	58054	-88208	-2.02	1.92	-461109	216709	SLV 9	3.733				Si
612	20.11	1.1	0	3	-157422	146111	-85922	-2.02	1.92	-542157	503201	SLV 13	3.444				Si
641	20.11	1.1	0	3	-217016	205106	-85792	-2.02	1.92	-682123	644687	SLV 13	3.143				Si
670	20.11	1.1	0	3	-277465	264186	-85661	-2.02	1.92	-800896	762567	SLV 13	2.886				Si
690	20.11	2.2	0	3,4,6,7	223067	354613	-56419	-2.02	1.92	719048	1143081	SLV 3	3.223				Si
719	20.11	2.2	0	3,4,6,7	175735	292157	-56291	-2.02	1.92	646757	1075226	SLV 3	3.68				Si
748	20.11	1.1	0	4,6,7	127845	228729	-56160	-2.02	1.92	536539	959933	SLV 3	4.197				Si
777	20.11	1.1	0	4,6,7	132110	127244	-58918	-2.02	1.92	624577	601569	SLV 1	4.728				Si
806	20.11	1.1	0	4,6,7	62408	-9164	-65404	-2.02	1.92	314187	-46137	SLV 9	5.034				Si
835	20.11	1.1	0	4,6,7	-31721	26147	-65273	-2.02	1.92	-160018	131899	SLV 9	5.044				Si
864	20.11	1.1	0	4,6,7	-100708	80250	-65143	-2.02	1.92	-485472	386850	SLV 9	4.821				Si
893	20.11	1.1	0	4,6,7	-160685	119151	-65012	-2.02	1.92	-702158	520664	SLV 9	4.37				Si
922	20.11	1.1	0	4,6,7	-224185	159368	-64882	-2.02	1.92	-892339	634343	SLV 9	3.98				Si
951	20.37	1.6	0	4,5,6,7	-288900	199908	-64751	-2.02	1.92	-1053496	728981	SLV 9	3.647				Si
980	27.42	2	0	4,5,6,7	-354152	240577	-64621	-2.02	1.92	-1262970	857940	SLV 9	3.566				Si
1000	20.11	2.4	0	5,6,7,8	312622	-190987	-47021	-2.02	1.92	1072749	-655364	SLV 9	3.431				Si
1029	17.8	2.4	0	5,6,7,8	244667	-155914	-46914	-2.02	1.92	941068	-599696	SLV 9	3.846				Si
1058	16.08	1.1	0	8	180328	-120493	-46805	-2.02	1.92	777413	-519456	SLV 9	4.311				Si
1087	16.08	1.1	0	8	123921	-85797	-46696	-2.02	1.92	604093	-418247	SLV 9	4.875				Si
1116	16.08	1.1	0	8	127258	-32720	-45350	-2.02	1.92	696362	-179046	SLV 5	5.472				Si
1145	16.08	1.1	0	8	-182654	1448	-46479	-2.02	1.92	-955606	7577	SLV 9	5.232				Si
1174	16.08	1.1	0	8	-273508	42906	-45382	-2.02	1.92	-1224821	192141	SLV 13	4.478				Si
1203	16.08	1.1	0	8	-365451	86122	-45273	-2.02	1.92	-1373564	323695	SLV 13	3.759				Si
1232	16.08	1.1	0	8	-458340	130794	-45164	-2.02	1.92	-1429225	407852	SLV 13	3.118				Si
1261	16.08	1.1	0	8	-551800	175912	-45055	-2.02	1.92	-1427240	454999	SLV 13	2.587				Si
1290	16.08	1.1	0	8	-644009	220441	-44948	-2.02	1.92	-1399785	479140	SLV 13	2.174				Si
1310	16.08	2.1	0	8,9	709429	-161266	-26907	-2.02	1.92	1497327	-340368	SLV 5	2.111				Si
1339	16.08	2.1	0	8,9	626489	-119479	-26798	-2.02	1.92	1576781	-300711	SLV 5	2.517				Si
1368	16.08	1.1	0	9	541731	98774	-23928	-2.02	1.92	1595093	290834	SLV 1	2.944				Si
1397	16.08	1.1	0	9	462555	117817	-23820	-2.02	1.92	1495198	380842	SLV 1	3.232				Si
1426	16.08	1.1	0	9	385136	128934	-23711	-2.02	1.92	1399539	468531	SLV 1	3.634				Si
1455	16.08	1.1	0	9	311166	119238	-23602	-2.02	1.92	1349831	517252	SLV 1	4.338				Si
1484	16.08	1.1	0	9	236508	132338	-26944	-2.02	1.92	1138310	636941	SLV 13	4.813				Si
1513	16.08	1.1	0	9	197747	161645	-25503	-2.02	1.92	941518	769625	SLV 15	4.761				Si
1542	16.08	1.1	0	9	137667	251523	-26726	-2.02	1.92	542065	990373	SLV 13	3.938				Si
1571	16.08	1.1	0	9	141676	322348	-26617	-2.02	1.92	452270	1029030	SLV 13	3.192				Si
1600	16.08	1.1	0	9	155770	393052	-26511	-2.02	1.92	412150	1039974	SLV 13	2.646				Si
1620	16.08	2.1	0	9,10,11	137880	-452053	-10795	-2.02	1.92	242030	-793520	SLV 13	1.755				Si
1649	16.08	2.1	0	9,10,11	88387	-357912	-10686	-2.02	1.92	215900	-874261	SLV 13	2.443				Si
1678	16.08	1.1	0	10,11	41929	-264734	-10577	-2.02	1.92	163249	-1030744	SLV 13	3.894				Si
1707	16.08	1.1	0	10,11	-175430	-122283	-10126	-2.02	1.92	-994119	-692945	SLV 5	5.667				Si
1736	16.08	1.1	0	10,11	-197227	-91676	-8509	-2.02	1.92	-1186118	-551336	SLV 1	6.014				Si
1765	16.08	1.1	0	10,11	-219896	-44941	-8400	-2.02	1.92	-1537841	-314297	SLV 1	6.993				Si
1794	16.08	1.1	0	10,11	-254543	127016	-10142	-2.02	1.92	-1136709	567215	SLV 13	4.466				Si
1823	16.08	1.1	0	10,11	-297293	220424	-10034	-2.02	1.92	-819860	607875	SLV 13	2.758				Si
1852	16.08	1.1	0	10,11	-344661	314652	-9925	-2.02	1.92	-661298	603719	SLV 13	1.919				Si
1881	16.08	1.1	0	10,11	-394580	409227	-9816	-2.02	1.92	-575126	596475	SLV 13	1.458				Si
1910	22.12	2.1	0	10,11	-445075	502345	-9709	-2.02	1.92	-661538	746661	SLV 13	1.486				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2	0	1,2	356063	-191369	-103532	902773	-485203	SLD 9	2.535	Si
-111	18.42	2	0	1,2	323316	-172730	-103402	862330	-460695	SLD 9	2.667	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-81	20.11	1.1	0	2	290010	-153770	-103270	810333	-429656	SLD 9	2.794	Si
-52	20.11	1.1	0	2	256712	-134810	-103137	741281	-389277	SLD 9	2.888	Si
-22	20.11	1.1	0	2	223427	-115853	-103005	667483	-346107	SLD 9	2.987	Si
7	20.11	1.1	0	2	190158	-96897	-102873	588424	-299839	SLD 9	3.094	Si
36	20.11	1.1	0	2	156912	-77947	-102740	502883	-249809	SLD 9	3.205	Si
66	20.11	1.1	0	2	123703	-59004	-102608	396965	-189345	SLD 9	3.209	Si
95	20.11	1.1	0	2	90550	-40078	-102476	290952	-128778	SLD 9	3.213	Si
125	20.11	1.1	0	2	57495	-21199	-102343	184981	-68204	SLD 9	3.217	Si
154	20.11	1.1	0	2	24657	-2781	-102211	79433	-8960	SLD 9	3.221	Si
184	20.11	1.1	0	2	-6647	16485	-102079	-21441	53174	SLD 9	3.226	Si
213	20.11	1.1	0	2	-29094	36425	-101945	-93970	117648	SLD 9	3.23	Si
242	20.11	1.1	0	2	-61054	55068	-101814	-197452	178091	SLD 9	3.234	Si
272	20.11	1.1	0	2	-115713	73977	-101682	-374706	239555	SLD 9	3.238	Si
301	20.11	1.1	0	2	-146753	92913	-101549	-471018	298213	SLD 9	3.21	Si
331	20.11	1.1	0	2	-179272	111861	-101417	-556155	347024	SLD 9	3.102	Si
360	20.11	1.1	0	2	-211615	130492	-101287	-635484	391870	SLD 9	3.003	Si
380	20.11	2.2	0	2,3	290513	-119967	-83926	973795	-402127	SLD 13	3.352	Si
409	20.11	2.2	0	2,3	245064	-101663	-83796	859977	-356754	SLD 13	3.509	Si
438	20.11	1.1	0	3	200481	-83401	-83665	737720	-306897	SLD 13	3.68	Si
467	20.11	1.1	0	3	167292	-52931	-84357	646033	-204406	SLD 9	3.862	Si
496	20.11	1.1	0	3	126101	-40988	-84227	492970	-160236	SLD 9	3.909	Si
525	20.11	1.1	0	3	45187	-29759	-84096	176925	-116520	SLD 9	3.915	Si
554	20.11	1.1	0	3	-20308	-13601	-83966	-79639	-53338	SLD 9	3.921	Si
583	20.11	1.1	0	3	-65303	-1864	-83835	-256483	-7323	SLD 9	3.928	Si
612	20.11	1.1	0	3	-112076	10386	-83705	-440872	40857	SLD 9	3.934	Si
641	20.11	1.1	0	3	-41518	-158644	-78663	-159868	-610868	SLD 3	3.851	Si
670	20.11	1.1	0	3	-69858	-192463	-78533	-254525	-701232	SLD 3	3.643	Si
690	20.11	2.2	0	3,4,6,7	182517	176012	-58737	777920	750195	SLD 3	4.262	Si
719	20.11	2.2	0	3,4,6,7	143196	148641	-58609	652857	677679	SLD 3	4.559	Si
748	20.11	1.1	0	4,6,7	133196	98500	-59630	652112	482242	SLD 1	4.896	Si
777	20.11	1.1	0	4,6,7	85667	78024	-59499	450784	410566	SLD 1	5.262	Si
806	20.11	1.1	0	4,6,7	37878	20454	-62074	200924	108500	SLD 9	5.304	Si
835	20.11	1.1	0	4,6,7	-24409	31126	-61943	-129751	165457	SLD 9	5.316	Si
864	20.11	1.1	0	4,6,7	-73328	50680	-61813	-390609	269965	SLD 9	5.327	Si
893	20.11	1.1	0	4,6,7	-117049	62406	-61682	-598444	319067	SLD 9	5.113	Si
922	20.11	1.1	0	4,6,7	-162612	74890	-61552	-787407	362635	SLD 9	4.842	Si
951	20.37	1.6	0	4,5,6,7	-208873	87565	-61421	-962152	403360	SLD 9	4.606	Si
980	27.42	2	0	4,5,6,7	-255454	100318	-61291	-1197982	470453	SLD 9	4.69	Si
1000	20.11	2.4	0	5,6,7,8	263593	-85289	-44606	1171097	-378925	SLD 9	4.443	Si
1029	17.8	2.4	0	5,6,7,8	205027	-72062	-44499	978871	-344051	SLD 9	4.774	Si
1058	16.08	1.1	0	8	147533	-58708	-44391	761516	-303030	SLD 9	5.162	Si
1087	16.08	1.1	0	8	93162	-45637	-44282	530648	-259946	SLD 9	5.696	Si
1116	16.08	1.1	0	8	42167	-33876	-44173	259424	-208420	SLD 9	6.152	Si
1145	16.08	1.1	0	8	-102299	-12347	-44064	-616442	-74399	SLD 9	6.026	Si
1174	16.08	1.1	0	8	-170531	-1468	-43956	-946254	-8146	SLD 9	5.549	Si
1203	16.08	1.1	0	8	-240925	19442	-43485	-1193257	96292	SLD 13	4.953	Si
1232	16.08	1.1	0	8	-311071	36343	-43377	-1379550	161173	SLD 13	4.435	Si
1261	16.08	1.1	0	8	-381452	53426	-43268	-1507025	211071	SLD 13	3.951	Si
1290	16.08	1.1	0	8	-450772	70291	-43161	-1581869	246669	SLD 13	3.509	Si
1310	16.08	2.1	0	8,9	394366	-108820	-25897	1487610	-410487	SLD 5	3.772	Si
1339	16.08	2.1	0	8,9	352672	-75698	-25788	1574852	-338029	SLD 5	4.465	Si
1368	16.08	1.1	0	9	311217	-42624	-25679	1659680	-227311	SLD 5	5.333	Si
1397	16.08	1.1	0	9	269125	50747	-24417	1565339	295165	SLD 1	5.816	Si
1426	16.08	1.1	0	9	229403	72059	-24308	1375761	432148	SLD 1	5.997	Si
1455	16.08	1.1	0	9	190806	81800	-25353	1193371	511607	SLD 5	6.254	Si
1484	16.08	1.1	0	9	153041	107949	-25562	948471	669012	SLD 13	6.197	Si
1513	16.08	1.1	0	9	130942	135951	-24906	776889	806612	SLD 15	5.933	Si
1542	16.08	1.1	0	9	99207	188017	-25345	516185	978278	SLD 13	5.203	Si
1571	16.08	1.1	0	9	95406	232472	-25236	427149	1040815	SLD 13	4.477	Si
1600	16.08	1.1	0	9	95319	276630	-25129	369430	1072141	SLD 13	3.876	Si
1620	16.08	2.1	0	9,10,11	43287	-365945	-10058	105904	-895306	SLD 13	2.447	Si
1649	16.08	2.1	0	9,10,11	10848	-293189	-9949	37175	-1004728	SLD 13	3.427	Si
1678	16.08	1.1	0	10,11	-20378	-220864	-9841	-103829	-1125345	SLD 13	5.095	Si
1707	16.08	1.1	0	10,11	-130846	-126545	-9566	-827028	-799848	SLD 5	6.321	Si
1736	16.08	1.1	0	10,11	-152058	-80587	-8816	-1153590	-611374	SLD 1	7.587	Si
1765	16.08	1.1	0	10,11	-172207	-25789	-8707	-1666819	-249614	SLD 1	9.679	Si
1794	16.08	1.1	0	10,11	-197297	77598	-9406	-1287158	506249	SLD 13	6.524	Si
1823	16.08	1.1	0	10,11	-226013	149919	-9297	-974590	646465	SLD 13	4.312	Si
1852	16.08	1.1	0	10,11	-256960	222673	-9188	-741718	642748	SLD 13	2.887	Si
1881	16.08	1.1	0	10,11	-289199	295609	-9079	-617932	631629	SLD 13	2.137	Si
1910	22.12	2.1	0	10,11	-321629	367379	-8972	-686233	783848	SLD 13	2.134	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	347	-160231	SLU 49	15366	50695	52243	2.3	146.15	-1224	-151808	SLU 46	15029	48390	55356	2.5	39.54	Si
-111	5X/2Y Ø8/10	347	-160062	SLU 49	15366	50695	52301	2.3	146.15	-1224	-151638	SLU 46	15029	48390	55356	2.5	39.54	Si
-81	5X/2Y Ø8/10	347	-159890	SLU 49	15366	50695	52360	2.3	146.15	-1224	-151466	SLU 46	15029	48390	55356	2.5	39.54	Si
-52	5X/2Y Ø8/10	347	-159718	SLU 49	15366	50695	52418	2.3	146.15	-1224	-151294	SLU 46	15029	48390	55356	2.5	39.54	Si
-22	5X/2Y Ø8/14.7	347	-159546	SLU 49	15366	37388	49487	2.5	107.78	-1224	-151122	SLU 46	15029	32833	55356	2.5	26.83	Si
7	5X/2Y Ø8/14.7	347	-159374	SLU 49	15366	37388	49543	2.5	107.78	-1224	-150950	SLU 46	15029	32833	55356	2.5	26.83	Si
36	5X/2Y Ø8/14.7	347	-159202	SLU 49	15366	37388	49598	2.5	107.78	-1224	-150778	SLU 46	15029	32833	55356	2.5	26.83	Si
66	5X/2Y Ø8/14.7	347	-159030	SLU 49	15366	37388	49654	2.5	107.78	-1224	-150606	SLU 46	15029	32833	55356	2.5	26.83	Si
95	5X/2Y Ø8/14.7	347	-158858	SLU 49	15366	37388	49709	2.5	107.78	-1224	-150434	SLU 46	15029	32833	55356	2.5	26.83	Si
125	5X/2Y Ø8/14.7	347	-158686	SLU 49	15366	37388	49764	2.5	107.78	-1224	-150262	SLU 46	15029	32833	55356	2.5	26.83	Si
154	5X/2Y Ø8/14.7	347	-158514	SLU 49	15366	37388	49820	2.5	107.78	-1224	-150090	SLU 46	15029	32833	55356	2.5	26.83	Si
184	5X/2Y Ø8/14.7	347	-158342	SLU 49	15366	37388	49875	2.5	107.78	-1224	-149918	SLU 46	15029	32833	55356	2.5	26.83	Si
213	5X/2Y Ø8/14.7	347	-158168	SLU 49	15366	37388	49931	2.5	107.78	-1224	-149744	SLU 46	15029	32833	55356	2.5	26.83	Si
242	5X/2Y Ø8/10	347	-157998	SLU 49	15366	51792	52228	2.35	149.31	-1224	-149574	SLU 46	15029	48385	55356	2.5	39.54	Si
272	5X/2Y Ø8/10	347	-157825	SLU 49	15366	51792	52286	2.35	149.31	-1224	-149402	SLU 46	15029	48385	55356	2.5	39.54	Si
301	5X/2Y Ø8/10	347	-157653	SLU 49	15366	51792	52343	2.35	149.31	-1224	-149230	SLU 46	15029	48385	55356	2.5	39.54	Si
331	5X/2Y Ø8/10	347	-157481	SLU 49	15366	51792	52401	2.35	149.31	-1224	-149058	SLU 46	15029	48385	55356	2.5	39.54	Si
360	5X/2Y Ø8/10	347	-157312	SLU 49	15366	51792	52458	2.35	149.31	-1224	-148888	SLU 46	15029	48385	55356	2.5	39.54	Si
380	5X/2Y Ø8/10	-500	-132392	SLU 51	15366	51792	52691	2.35	103.56	-2049	-132392	SLU 51	15029	48385	55356	2.5	23.61	Si
409	5X/2Y Ø8/10	-500	-132222	SLU 51	15366	51792	52691	2.35	103.56	-2049	-132222	SLU 51	15029	48385	55356	2.5	23.61	Si
438	5X/2Y Ø8/10	-500	-132053	SLU 51	15366	51792	52691	2.35	103.56	-2049	-132053	SLU 51	15029	48385	55356	2.5	23.61	Si
467	5X/2Y Ø8/14.4	-500	-131883	SLU 51	15366	38145	50429	2.5	76.27	-2049	-131883	SLU 51	15029	33497	55356	2.5	16.35	Si
496	5X/2Y Ø8/14.4	-500	-131713	SLU 51	15366	38145	50429	2.5	76.27	-2049	-131713	SLU 51	15029	33497	55356	2.5	16.35	Si
525	5X/2Y Ø8/14.4	-500	-131544	SLU 51	15366	38145	50429	2.5	76.27	-2049	-131544	SLU 51	15029	33497	55356	2.5	16.35	Si
554	5X/2Y Ø8/14.4	-500	-131374	SLU 51	15366	38145	50429	2.5	76.27	-2049	-131374	SLU 51	15029	33497	55356	2.5	16.35	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
583	5X/2Y Ø8/14.4	-500	-131204	SLU 51	15366	38145	50429	2.5	76.27	-2049	-131204	SLU 51	15029	33497	55356	2.5	16.35	Si
612	5X/2Y Ø8/10	-500	-131035	SLU 51	15366	51792	52691	2.35	103.56	-2049	-131035	SLU 51	15029	48385	55356	2.5	23.61	Si
641	5X/2Y Ø8/10	-500	-130865	SLU 51	15366	51792	52691	2.35	103.56	-2049	-130865	SLU 51	15029	48385	55356	2.5	23.61	Si
670	5X/2Y Ø8/10	-500	-130695	SLU 51	15366	51792	52691	2.35	103.56	-2049	-130695	SLU 51	15029	48385	55356	2.5	23.61	Si
690	5X/2Y Ø8/10	-336	-97487	SLU 52	15366	51792	52691	2.35	153.91	-1945	-97487	SLU 52	15029	48385	55356	2.5	24.87	Si
719	5X/2Y Ø8/10	-336	-97320	SLU 52	15366	51792	52691	2.35	153.91	-1945	-97320	SLU 52	15029	48385	55356	2.5	24.87	Si
748	5X/2Y Ø8/10	-336	-97150	SLU 52	15366	51792	52691	2.35	153.91	-1945	-97150	SLU 52	15029	48385	55356	2.5	24.87	Si
777	5X/2Y Ø8/14.4	-336	-96981	SLU 52	15366	38145	50429	2.5	113.36	-1945	-96981	SLU 52	15029	33497	55356	2.5	17.22	Si
806	5X/2Y Ø8/14.4	-336	-96811	SLU 52	15366	38145	50429	2.5	113.36	-1945	-96811	SLU 52	15029	33497	55356	2.5	17.22	Si
835	5X/2Y Ø8/14.4	-336	-96642	SLU 52	15366	38145	50429	2.5	113.36	-1945	-96642	SLU 52	15029	33497	55356	2.5	17.22	Si
864	5X/2Y Ø8/14.4	-336	-96472	SLU 52	15366	38145	50429	2.5	113.36	-1945	-96472	SLU 52	15029	33497	55356	2.5	17.22	Si
893	5X/2Y Ø8/14.4	-336	-96302	SLU 52	15366	38145	50429	2.5	113.36	-1945	-96302	SLU 52	15029	33497	55356	2.5	17.22	Si
922	5X/2Y Ø8/10	-336	-96133	SLU 52	15366	51792	52691	2.35	153.91	-1945	-96133	SLU 52	15029	48385	55356	2.5	24.87	Si
951	5X/2Y Ø8/10	-336	-95963	SLU 52	15366	51792	52691	2.35	153.91	-1945	-95963	SLU 52	15029	48385	55356	2.5	24.87	Si
980	5X/2Y Ø8/10	-336	-95793	SLU 52	15366	51792	52691	2.35	153.91	-1945	-95793	SLU 52	15029	48385	55356	2.5	24.87	Si
1000	4X/2Y Ø8/10	-150	-64916	SLU 26	12805	42315	43222	2.4	282.51	-3194	-70259	SLU 52	12600	39534	45230	2.5	12.38	Si
1029	4X/2Y Ø8/10	-150	-64809	SLU 26	12805	42315	43208	2.4	282.51	-3194	-70120	SLU 52	12600	39534	45230	2.5	12.38	Si
1058	4X/2Y Ø8/10	-150	-64700	SLU 26	12805	42315	43194	2.4	282.51	-3194	-69979	SLU 52	12600	39534	45230	2.5	12.38	Si
1087	4X/2Y Ø8/14.4	-150	-64592	SLU 26	12805	30516	41938	2.5	203.73	-3194	-69837	SLU 52	12600	27370	45230	2.5	8.57	Si
1116	4X/2Y Ø8/14.4	-150	-64483	SLU 26	12805	30516	41924	2.5	203.73	-3194	-69696	SLU 52	12600	27370	45230	2.5	8.57	Si
1145	4X/2Y Ø8/14.4	-150	-64374	SLU 26	12805	30516	41910	2.5	203.73	-3194	-69555	SLU 52	12600	27370	45230	2.5	8.57	Si
1174	4X/2Y Ø8/14.4	-150	-64265	SLU 26	12805	30516	41896	2.5	203.73	-3194	-69413	SLU 52	12600	27370	45230	2.5	8.57	Si
1203	4X/2Y Ø8/14.4	-150	-64157	SLU 26	12805	30516	41882	2.5	203.73	-3194	-69272	SLU 52	12600	27370	45230	2.5	8.57	Si
1232	4X/2Y Ø8/10	-150	-64048	SLU 26	12805	42315	43107	2.4	282.51	-3194	-69131	SLU 52	12600	39534	45230	2.5	12.38	Si
1261	4X/2Y Ø8/10	-150	-63939	SLU 26	12805	42315	43093	2.4	282.51	-3194	-68989	SLU 52	12600	39534	45230	2.5	12.38	Si
1290	4X/2Y Ø8/10	-150	-63832	SLU 26	12805	42315	43079	2.4	282.51	-3194	-68850	SLU 52	12600	39534	45230	2.5	12.38	Si
1310	4X/2Y Ø8/10	1523	-41343	SLU 50	11453	40552	41297	2.3	26.63	-677	-41446	SLU 51	11158	39534	41929	2.5	58.37	Si
1339	4X/2Y Ø8/10	1523	-41202	SLU 50	11435	40552	41278	2.3	26.63	-677	-41305	SLU 51	11139	39534	41910	2.5	58.37	Si
1368	4X/2Y Ø8/10	1523	-41061	SLU 50	11417	40552	41258	2.3	26.63	-677	-41163	SLU 51	11120	39534	41890	2.5	58.37	Si
1397	4X/2Y Ø8/14.4	1523	-40919	SLU 50	11400	30516	38890	2.5	20.04	-677	-41022	SLU 51	11102	27370	41870	2.5	40.41	Si
1426	4X/2Y Ø8/14.4	1523	-40778	SLU 50	11382	30516	38871	2.5	20.04	-677	-40881	SLU 51	11083	27370	41851	2.5	40.41	Si
1455	4X/2Y Ø8/14.4	1523	-40637	SLU 50	11365	30516	38853	2.5	20.04	-677	-40739	SLU 51	11064	27370	41831	2.5	40.41	Si
1484	4X/2Y Ø8/14.4	1523	-40495	SLU 50	11347	30516	38835	2.5	20.04	-677	-40598	SLU 51	11045	27370	41812	2.5	40.41	Si
1513	4X/2Y Ø8/14.4	1523	-40354	SLU 50	11329	30516	38817	2.5	20.04	-677	-40457	SLU 51	11026	27370	41792	2.5	40.41	Si
1542	4X/2Y Ø8/10	1523	-40212	SLU 50	11312	40552	41143	2.3	26.63	-677	-40315	SLU 51	11007	39534	41772	2.5	58.37	Si
1571	4X/2Y Ø8/10	1523	-40071	SLU 50	11294	40552	41123	2.3	26.63	-677	-40174	SLU 51	10988	39534	41753	2.5	58.37	Si
1600	4X/2Y Ø8/10	1523	-39932	SLU 50	11277	40552	41104	2.3	26.63	-677	-40035	SLU 51	10969	39534	41734	2.5	58.37	Si
1620	4X/2Y Ø8/10	3497	-15831	SLU 51	8276	38789	38956	2.2	11.09	-1194	-15831	SLU 51	7726	38743	38940	2.45	32.44	Si
1649	4X/2Y Ø8/10	3497	-15690	SLU 51	8259	38789	38936	2.2	11.09	-1194	-15690	SLU 51	7707	38743	38920	2.45	32.44	Si
1678	4X/2Y Ø8/10	3497	-15549	SLU 51	8241	38789	38916	2.2	11.09	-1194	-15549	SLU 51	7688	38743	38901	2.45	32.44	Si
1707	4X/2Y Ø8/14.4	3497	-15407	SLU 51	8224	30516	35604	2.5	8.73	-1194	-15407	SLU 51	7669	27370	38320	2.5	22.91	Si
1736	4X/2Y Ø8/14.4	3497	-15266	SLU 51	8206	30516	35586	2.5	8.73	-1194	-15266	SLU 51	7650	27370	38300	2.5	22.91	Si
1765	4X/2Y Ø8/14.4	3497	-15125	SLU 51	8188	30516	35567	2.5	8.73	-1194	-15125	SLU 51	7631	27370	38281	2.5	22.91	Si
1794	4X/2Y Ø8/14.4	3497	-14983	SLU 51	8171	30516	35549	2.5	8.73	-1194	-14983	SLU 51	7612	27370	38261	2.5	22.91	Si
1823	4X/2Y Ø8/14.4	3497	-14842	SLU 51	8153	30516	35531	2.5	8.73	-1194	-14842	SLU 51	7593	27370	38241	2.5	22.91	Si
1852	4X/2Y Ø8/10	3468	-14637	SLU 50	8128	37907	39372	2.15	10.93	-1194	-14700	SLU 51	7574	38743	38781	2.45	32.44	Si
1881	4X/2Y Ø8/10	3497	-14559	SLU 51	8118	37907	39361	2.15	10.84	-1194	-14559	SLU 51	7556	38743	38761	2.45	32.44	Si
1910	4X/2Y Ø8/10	3497	-14420	SLU 51	8101	37907	39341	2.15	10.84	-1194	-14420	SLU 51	7537	37953	39313	2.4	31.77	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	1659	-106367	SLV 13	15366	51797	52691	2.35	31.21	-2748	-106616	SLV 5	15029	48390	55356	2.5	17.61	Si
-111	5X/2Y Ø8/10	1659	-106237	SLV 13	15366	51797	52691	2.35	31.21	-2748	-106486	SLV 5	15029	48390	55356	2.5	17.61	Si
-81	5X/2Y Ø8/10	1659	-106104	SLV 13	15366	51797	52691	2.35	31.21	-2748	-106353	SLV 5	15029	48390	55356	2.5	17.61	Si
-52	5X/2Y Ø8/10	1659	-105972	SLV 13	15366	51797	52691	2.35	31.21	-2748	-106221	SLV 5	15029	48390	55356	2.5	17.61	Si
-22	5X/2Y Ø8/14.7	1659	-105840	SLV 13	15366	37388	50429	2.5	22.53	-2748	-106089	SLV 5	15029	32833	55356	2.5	11.95	Si
7	5X/2Y Ø8/14.7	1659	-105707	SLV 13	15366	37388	50429	2.5	22.53	-2748	-105956	SLV 5	15029	32833	55356	2.5	11.95	Si
36	5X/2Y Ø8/14.7	1659	-105575	SLV 13	15366	37388	50429	2.5	22.53	-2748	-105824	SLV 5	15029	32833	55356	2.5	11.95	Si
66	5X/2Y Ø8/14.7	1659	-105442	SLV 13	15366	37388	50429	2.5	22.53	-2748	-105692	SLV 5	15029	32833	55356	2.5	11.95	Si
95	5X/2Y Ø8/14.7	1659	-105310	SLV 13	15366	37388	50429	2.5	22.53	-2748	-105559	SLV 5	15029	32833	55356	2.5	11.95	Si
125	5X/2Y Ø8/14.7	1659	-105178	SLV 13	15366	37388	50429	2.5	22.53	-2748	-105427	SLV 5	15029	32833	55356	2.5	11.95	Si
154	5X/2Y Ø8/14.7	1659	-105045	SLV 13	15366	37388	50429	2.5	22.53	-2748	-105295	SLV 5	15029	32833	55356	2.5	11.95	Si
184	5X/2Y Ø8/14.7	1659	-104913	SLV 13	15366	37388	50429	2.5	22.53	-2748	-105162	SLV 5	15029	32833	55356	2.5	11.95	Si
213	5X/2Y Ø8/14.7	1659	-104779	SLV 13	15366	37388	50429	2.5	22.53	-2748	-105029	SLV 5	15029	32833	55356	2.5	11.95	Si
242	5X/2Y Ø8/10	1659	-104648	SLV 13	15366	51792	52691	2.35	31.21	-2748	-104898	SLV 5	15029	48385	55356	2.5	17.61	Si
272	5X/2Y Ø8/10	1659	-104516	SLV 13	15366	51792	52691	2.35	31.21	-2748	-104765	SLV 5	15029	48385	55356	2.5	17.61	Si
301	5X/2Y Ø8/10	1659	-104384	SLV 13	15366	51792	52691	2.35	31.21	-2748	-104633	SLV 5	15029	48385	55356	2.5	17.61	Si
331	5X/2Y Ø8/10	1659	-104251	SLV 13	15366	51792	52691	2.35	31.21	-2748	-104500	SLV 5	15029	48385	55356	2.5	17.61	Si
360	5X/2Y Ø8/10	1659	-104121	SLV 13	15366	51792	52691	2.35	31.21	-2748	-104370	SLV 5	15029	48385	55356	2.5	17.61	Si
380	5X/2Y Ø8/10	-2577	-76798	SLV 3	15366	51792	52487	2.35	20.1	-2389	-89122	SLV 9	15029	48385	55356	2.5	20.25	Si
409	5X/2Y Ø8/10	-2577	-76667	SLV 3	15366	51792	52470	2.35	20.1	-2389	-88991	SLV 9	15029	48385	55356	2.5	20.25	Si
438	5X/2Y Ø8/10	-2577	-76537	SLV 3	15366	51792	52452	2.35	20.1	-2389	-88861	SLV 9	15029	48385	55356	2.5	20.25	Si
467	5X/2Y Ø8/14.4	-2577	-76406	SLV 3	15366	38145	50184	2.5	14.8	-2389	-88730	SLV 9	15029	33497	55356	2.5	14.02	Si
496	5X/2Y Ø8/14.4	-2577	-76276	SLV 3	15366	38145	50167	2.5	14.8	-2389	-88600	SLV 9	15029	33497	55356	2.5	14.02	Si
525	5X/2Y Ø8/14.4	-2577	-76145	SLV 3	15366	38145	50150	2.5	14.8	-2389	-88469	SLV 9	15029	33497	55356	2.5	14.02	Si
554	5X/2Y Ø8/14.4	-2577	-76015	SLV 3	15366	38145	50134	2.5	14.8	-2389	-88339	SLV 9	15029	33497	55356	2.5	14.02	Si
583	5X/2Y Ø8/14.4	-2577	-75884	SLV 3	15366	38145	50117	2.5	14.8	-2389	-88208	SLV 9	15029	33497	55356	2.5	14.02	Si
612	5X/2Y Ø8/10	-2577	-75754	SLV 3	15366	51792	52347	2.35	20.1	-2389	-88078	SLV 9	15029	48385	55356	2.5	20.25	Si
641	5X/2Y Ø8/10	-2577	-75623	SLV 3	15366	51792	52329	2.35	20.1	-2389	-87947	SLV 9	15029	48385	55356	2.5	20.25	Si
670	5X/2Y Ø8/10	-2577	-75493	SLV 3	15366	51792	52312	2.35	20.1	-2389	-87817	SLV 9	15029	48385	55356	2.5	20.25	Si
690	5X/2Y Ø8/10	-2198	-56419	SLV 3	14591	49588	51242	2.25	22.56	-2805	-64425	SLV 5	15029	48385	53393	2.5	17.25	Si
719	5X/2Y Ø8/10	-2198	-56291	SLV 3	14575	49588	51224	2.25	22.56	-2805	-64297	SLV 5	15029	48385	53375	2.5	17.25	Si
748	5X/2Y Ø8/10	-2198	-56160	SLV 3	14558	49588	51206	2.25	22.56	-2805	-64166	SLV 5	15029	48385	53357	2.5	17.25	Si
777	5X/2Y Ø8/14.4	-2198	-56030	SLV 3	14542	38145	47560	2.5	17.35	-2805	-64036	SLV 5	15029	33497	53338	2.5	11.94	Si
806	5X/2Y Ø8/14.4	-2198	-55899	SLV 3	14526	38145	47543	2.5	17.35	-2805	-63905	SLV 5	15029	33497	53320	2.5	11.94	Si
835	5X/2Y Ø8/14.4	-2198	-55769	SLV 3	14510	38145	47526	2.5	17.35	-2805	-63775	SLV 5	15029	33497	53301	2.5	11.94	Si
864	5X/2Y Ø8/14.4	-2198	-55638	SLV 3	14493	38145	47509	2.5	17.35	-2805	-63644	SLV 5	15029	33497	53283	2.5	11.94	Si
893	5X/2Y Ø8/14.4	-2198	-55508	SLV 3	14477	38145	47492	2.5	17.35	-2805	-63514	SLV 5	15029	33497	53264	2.5	11.94	Si
922	5X/2Y Ø8/10	-2198	-55377	SLV 3	14461	49588	51097	2.25	22.56	-2805	-63383	SLV 5	15029	48385	53246	2.5	17.25	Si
951	5X/2Y Ø8/10	-2198	-55247	SLV 3	14445	49588	51079	2.25	22.56	-2805	-63253	SLV 5	15029	48385	53228	2.5	17.25	Si
980	5X/2Y Ø8/10	-2198	-55116	SLV 3	14428	49588	51061	2.25	22.56	-2805	-63122	SLV 5	15029	48385	53209	2.5	17.25	Si
1000	4X/2Y Ø8/10	-1664	-39820	SLV 3	11263	40552	41089	2.3	24.37	-3300	-47021	SLV 9	11905	39534	42702	2.5	11.98	Si
1029	4X/2Y Ø8/10	-1664	-39714	SLV 3	11250	40552	41074	2.3	24.37	-3300	-46914	SLV 9	11891	39534	42687	2.5	11.98	Si
1058	4X/2Y Ø8/10	-1664	-39605	SLV 3	11236	40552	41060	2.3	24.37	-3300	-46805	SLV 9	11876	39534	42672	2.5	11.98	Si
1087	4X/2Y Ø8/14.4	-1664	-39496	SLV 3	11223	30516	38706	2.5	18.34	-3300	-46696	SLV 9	11862	27370	42657	2.5	8.29	Si
1116	4X/2Y Ø8/14.4	-1664	-39387	SLV 3	11209	30516	38692	2.5	18.34	-3300	-46588	SLV 9	11847	27370	42642	2.5	8.29	Si
1145	4X/2Y Ø8/14.4	-1664	-39279	SLV 3	11196	30516	38678	2.5	18.34	-3300	-46479	SLV 9	11833	27370	42627	2.5	8.29	Si
1174	4X/2Y Ø8/14.4	-1664	-39170	SLV 3	11182	30516	38664	2.5	18.34	-3300	-46370	SLV 9	11818	27370	42612	2.5	8.29	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1203	4X/2Y Ø8/14.4	-1664	-39061	SLV 3	11168	30516	38650	2.5	18.34	-3300	-46261	SLV 9	11804	27370	42597	2.5	8.29	Si
1232	4X/2Y Ø8/10	-1664	-38952	SLV 3	11155	40552	40970	2.3	24.37	-3300	-46153	SLV 9	11789	39534	42582	2.5	11.98	Si
1261	4X/2Y Ø8/10	-1664	-38844	SLV 3	11141	40552	40956	2.3	24.37	-3300	-46044	SLV 9	11774	39534	42567	2.5	11.98	Si
1290	4X/2Y Ø8/10	-1664	-38737	SLV 3	11128	40552	40941	2.3	24.37	-3300	-45937	SLV 9	11760	39534	42552	2.5	11.98	Si
1310	4X/2Y Ø8/10	2525	-27596	SLV 13	9741	39671	40010	2.25	15.71	-2910	-26907	SLV 5	9210	39534	39914	2.5	13.58	Si
1339	4X/2Y Ø8/10	2525	-27487	SLV 13	9728	39671	39995	2.25	15.71	-2910	-26798	SLV 5	9196	39534	39899	2.5	13.58	Si
1368	4X/2Y Ø8/10	2525	-27379	SLV 13	9714	39671	39979	2.25	15.71	-2910	-26690	SLV 5	9181	39534	39884	2.5	13.58	Si
1397	4X/2Y Ø8/14.4	2525	-27270	SLV 13	9700	30516	37132	2.5	12.08	-2910	-26581	SLV 5	9166	27370	39869	2.5	9.4	Si
1426	4X/2Y Ø8/14.4	2525	-27161	SLV 13	9687	30516	37118	2.5	12.08	-2910	-26472	SLV 5	9152	27370	39854	2.5	9.4	Si
1455	4X/2Y Ø8/14.4	2525	-27052	SLV 13	9673	30516	37104	2.5	12.08	-2910	-26363	SLV 5	9137	27370	39838	2.5	9.4	Si
1484	4X/2Y Ø8/14.4	2525	-26944	SLV 13	9660	30516	37090	2.5	12.08	-2910	-26255	SLV 5	9123	27370	39823	2.5	9.4	Si
1513	4X/2Y Ø8/14.4	2525	-26835	SLV 13	9646	30516	37076	2.5	12.08	-2910	-26146	SLV 5	9108	27370	39808	2.5	9.4	Si
1542	4X/2Y Ø8/10	2525	-26726	SLV 13	9633	39671	39889	2.25	15.71	-2910	-26037	SLV 5	9094	39534	39793	2.5	13.58	Si
1571	4X/2Y Ø8/10	2525	-26617	SLV 13	9619	39671	39874	2.25	15.71	-2910	-25928	SLV 5	9079	39534	39778	2.5	13.58	Si
1600	4X/2Y Ø8/10	2525	-26511	SLV 13	9606	39671	39859	2.25	15.71	-2910	-25822	SLV 5	9065	39534	39763	2.5	13.58	Si
1620	4X/2Y Ø8/10	3280	-10795	SLV 13	7649	37907	38824	2.15	11.56	-1959	-11008	SLV 9	7080	37953	38826	2.4	19.37	Si
1649	4X/2Y Ø8/10	3280	-10686	SLV 13	7636	37907	38808	2.15	11.56	-1959	-10899	SLV 9	7065	37953	38810	2.4	19.37	Si
1678	4X/2Y Ø8/10	3280	-10577	SLV 13	7622	37907	38793	2.15	11.56	-1959	-10790	SLV 9	7051	37953	38795	2.4	19.37	Si
1707	4X/2Y Ø8/14.4	3280	-10469	SLV 13	7609	30516	34968	2.5	9.3	-1959	-10681	SLV 9	7036	27370	37665	2.5	13.97	Si
1736	4X/2Y Ø8/14.4	3280	-10360	SLV 13	7595	30516	34954	2.5	9.3	-1959	-10573	SLV 9	7021	27370	37650	2.5	13.97	Si
1765	4X/2Y Ø8/14.4	3280	-10251	SLV 13	7582	30516	34940	2.5	9.3	-1959	-10464	SLV 9	7007	27370	37635	2.5	13.97	Si
1794	4X/2Y Ø8/14.4	3280	-10142	SLV 13	7568	30516	34926	2.5	9.3	-1959	-10355	SLV 9	6992	27370	37619	2.5	13.97	Si
1823	4X/2Y Ø8/14.4	3280	-10034	SLV 13	7555	30516	34912	2.5	9.3	-1959	-10246	SLV 9	6978	27370	37604	2.5	13.97	Si
1852	4X/2Y Ø8/10	3280	-9925	SLV 13	7541	37907	38699	2.15	11.56	-1959	-10138	SLV 9	6963	37953	38701	2.4	19.37	Si
1881	4X/2Y Ø8/10	3280	-9816	SLV 13	7527	37907	38684	2.15	11.56	-1959	-10029	SLV 9	6949	37953	38686	2.4	19.37	Si
1910	4X/2Y Ø8/10	3280	-9709	SLV 13	7514	37907	38669	2.15	11.56	-1959	-9922	SLV 9	6934	37953	38671	2.4	19.37	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	773	-102505	SLD 13	19266	55104	50429	2.5	65.24	-1418	-102567	SLD 5	19310	48390	55356	2.5	34.13	Si
-111	5X/2Y Ø8/10	773	-102375	SLD 13	19266	55104	50429	2.5	65.24	-1418	-102437	SLD 5	19310	48390	55356	2.5	34.13	Si
-81	5X/2Y Ø8/10	773	-102242	SLD 13	19266	55104	50429	2.5	65.24	-1418	-102305	SLD 5	19310	48390	55356	2.5	34.13	Si
-52	5X/2Y Ø8/10	773	-102110	SLD 13	19266	55104	50429	2.5	65.24	-1418	-102172	SLD 5	19310	48390	55356	2.5	34.13	Si
-22	5X/2Y Ø8/14.7	773	-101978	SLD 13	19266	37388	50429	2.5	48.37	-1418	-102040	SLD 5	19310	32833	55356	2.5	23.16	Si
7	5X/2Y Ø8/14.7	773	-101845	SLD 13	19266	37388	50429	2.5	48.37	-1418	-101907	SLD 5	19310	32833	55356	2.5	23.16	Si
36	5X/2Y Ø8/14.7	773	-101713	SLD 13	19266	37388	50429	2.5	48.37	-1418	-101775	SLD 5	19310	32833	55356	2.5	23.16	Si
66	5X/2Y Ø8/14.7	773	-101581	SLD 13	19266	37388	50429	2.5	48.37	-1418	-101643	SLD 5	19310	32833	55356	2.5	23.16	Si
95	5X/2Y Ø8/14.7	773	-101448	SLD 13	19266	37388	50429	2.5	48.37	-1418	-101510	SLD 5	19310	32833	55356	2.5	23.16	Si
125	5X/2Y Ø8/14.7	773	-101316	SLD 13	19266	37388	50429	2.5	48.37	-1418	-101378	SLD 5	19310	32833	55356	2.5	23.16	Si
154	5X/2Y Ø8/14.7	773	-101184	SLD 13	19266	37388	50429	2.5	48.37	-1418	-101246	SLD 5	19310	32833	55356	2.5	23.16	Si
184	5X/2Y Ø8/14.7	773	-101051	SLD 13	19266	37388	50429	2.5	48.37	-1418	-101113	SLD 5	19310	32833	55356	2.5	23.16	Si
213	5X/2Y Ø8/14.7	773	-100918	SLD 13	19266	37388	50429	2.5	48.37	-1418	-100980	SLD 5	19310	32833	55356	2.5	23.16	Si
242	5X/2Y Ø8/10	773	-100786	SLD 13	19266	55098	50429	2.5	65.24	-1418	-100849	SLD 5	19310	48385	55356	2.5	34.13	Si
272	5X/2Y Ø8/10	773	-100654	SLD 13	19266	55098	50429	2.5	65.24	-1418	-100716	SLD 5	19310	48385	55356	2.5	34.13	Si
301	5X/2Y Ø8/10	773	-100522	SLD 13	19266	55098	50429	2.5	65.24	-1418	-100584	SLD 5	19310	48385	55356	2.5	34.13	Si
331	5X/2Y Ø8/10	773	-100389	SLD 13	19266	55098	50429	2.5	65.24	-1418	-100452	SLD 5	19310	48385	55356	2.5	34.13	Si
360	5X/2Y Ø8/10	773	-100259	SLD 13	19266	55098	50429	2.5	65.24	-1418	-100321	SLD 5	19310	48385	55356	2.5	34.13	Si
380	5X/2Y Ø8/10	-1169	-79838	SLD 3	17506	55098	50429	2.5	43.15	-1717	-84749	SLD 9	18049	48385	55356	2.5	28.18	Si
409	5X/2Y Ø8/10	-1169	-79707	SLD 3	17490	55098	50429	2.5	43.15	-1717	-84618	SLD 9	18031	48385	55356	2.5	28.18	Si
438	5X/2Y Ø8/10	-1169	-79577	SLD 3	17474	55098	50429	2.5	43.15	-1717	-84488	SLD 9	18013	48385	55356	2.5	28.18	Si
467	5X/2Y Ø8/14.4	-1169	-79446	SLD 3	17457	38145	50429	2.5	32.64	-1717	-84357	SLD 9	17996	33497	55356	2.5	19.51	Si
496	5X/2Y Ø8/14.4	-1169	-79316	SLD 3	17441	38145	50429	2.5	32.64	-1717	-84227	SLD 9	17978	33497	55356	2.5	19.51	Si
525	5X/2Y Ø8/14.4	-1169	-79185	SLD 3	17425	38145	50429	2.5	32.64	-1717	-84096	SLD 9	17960	33497	55356	2.5	19.51	Si
554	5X/2Y Ø8/14.4	-1169	-79055	SLD 3	17409	38145	50429	2.5	32.64	-1717	-83966	SLD 9	17942	33497	55356	2.5	19.51	Si
583	5X/2Y Ø8/14.4	-1169	-78924	SLD 3	17393	38145	50429	2.5	32.64	-1717	-83835	SLD 9	17924	33497	55356	2.5	19.51	Si
612	5X/2Y Ø8/10	-1169	-78794	SLD 3	17376	55098	50429	2.5	43.15	-1717	-83705	SLD 9	17906	48385	55356	2.5	28.18	Si
641	5X/2Y Ø8/10	-1169	-78663	SLD 3	17360	55098	50429	2.5	43.15	-1717	-83574	SLD 9	17889	48385	55356	2.5	28.18	Si
670	5X/2Y Ø8/10	-1169	-78533	SLD 3	17344	55098	50429	2.5	43.15	-1717	-83444	SLD 9	17871	48385	55356	2.5	28.18	Si
690	5X/2Y Ø8/10	-964	-58737	SLD 3	14879	55098	47908	2.5	49.68	-1830	-61965	SLD 5	14935	48385	53046	2.5	26.44	Si
719	5X/2Y Ø8/10	-964	-58609	SLD 3	14863	55098	47892	2.5	49.67	-1830	-61837	SLD 5	14918	48385	53027	2.5	26.44	Si
748	5X/2Y Ø8/10	-964	-58478	SLD 3	14847	55098	47875	2.5	49.65	-1830	-61706	SLD 5	14900	48385	53009	2.5	26.44	Si
777	5X/2Y Ø8/14.4	-964	-58348	SLD 3	14831	38145	47858	2.5	39.56	-1830	-61576	SLD 5	14882	33497	52991	2.5	18.31	Si
806	5X/2Y Ø8/14.4	-964	-58217	SLD 3	14815	38145	47841	2.5	39.56	-1830	-61445	SLD 5	14864	33497	52972	2.5	18.31	Si
835	5X/2Y Ø8/14.4	-964	-58087	SLD 3	14798	38145	47825	2.5	39.56	-1830	-61315	SLD 5	14846	33497	52954	2.5	18.31	Si
864	5X/2Y Ø8/14.4	-964	-57956	SLD 3	14782	38145	47808	2.5	39.56	-1830	-61184	SLD 5	14829	33497	52935	2.5	18.31	Si
893	5X/2Y Ø8/14.4	-964	-57826	SLD 3	14766	38145	47791	2.5	39.56	-1830	-61054	SLD 5	14811	33497	52917	2.5	18.31	Si
922	5X/2Y Ø8/10	-964	-57695	SLD 3	14750	55098	47774	2.5	49.54	-1830	-60923	SLD 5	14793	48385	52898	2.5	26.44	Si
951	5X/2Y Ø8/10	-964	-57565	SLD 3	14733	55098	47757	2.5	49.53	-1830	-60793	SLD 5	14775	48385	52880	2.5	26.44	Si
980	5X/2Y Ø8/10	-964	-57434	SLD 3	14717	55098	47741	2.5	49.51	-1830	-60662	SLD 5	14757	48385	52861	2.5	26.44	Si
1000	4X/2Y Ø8/10	-687	-41608	SLD 3	11486	44078	38978	2.5	56.75	-2455	-44606	SLD 9	11582	39534	42367	2.5	16.11	Si
1029	4X/2Y Ø8/10	-687	-41501	SLD 3	11472	44078	38965	2.5	56.73	-2455	-44499	SLD 9	11567	39534	42352	2.5	16.11	Si
1058	4X/2Y Ø8/10	-687	-41392	SLD 3	11459	44078	38951	2.5	56.71	-2455	-44391	SLD 9	11553	39534	42337	2.5	16.11	Si
1087	4X/2Y Ø8/14.4	-687	-41284	SLD 3	11445	30516	38937	2.5	44.43	-2455	-44282	SLD 9	11538	27370	42322	2.5	11.15	Si
1116	4X/2Y Ø8/14.4	-687	-41175	SLD 3	11432	30516	38923	2.5	44.43	-2455	-44173	SLD 9	11524	27370	42307	2.5	11.15	Si
1145	4X/2Y Ø8/14.4	-687	-41066	SLD 3	11418	30516	38909	2.5	44.43	-2455	-44064	SLD 9	11509	27370	42292	2.5	11.15	Si
1174	4X/2Y Ø8/14.4	-687	-40957	SLD 3	11405	30516	38895	2.5	44.43	-2455	-43956	SLD 9	11495	27370	42277	2.5	11.15	Si
1203	4X/2Y Ø8/14.4	-687	-40849	SLD 3	11391	30516	38881	2.5	44.43	-2455	-43847	SLD 9	11480	27370	42262	2.5	11.15	Si
1232	4X/2Y Ø8/10	-687	-40740	SLD 3	11377	44078	38867	2.5	56.59	-2455	-43738	SLD 9	11465	39534	42247	2.5	16.11	Si
1261	4X/2Y Ø8/10	-687	-40631	SLD 3	11364	44078	38853	2.5	56.57	-2455	-43629	SLD 9	11451	39534	42232	2.5	16.11	Si
1290	4X/2Y Ø8/10	-687	-40524	SLD 3	11351	44078	38839	2.5	56.55	-2455	-43522	SLD 9	11437	39534	42217	2.5	16.11	Si
1310	4X/2Y Ø8/10	1569	-26215	SLD 13	9569	44078	36996	2.5	23.58	-1461	-25897	SLD 5	9075	39534	39774	2.5	27.06	Si
1339	4X/2Y Ø8/10	1569	-26106	SLD 13	9556	44078	36982	2.5	23.57	-1461	-25788	SLD 5	9060	39534	39759	2.5	27.06	Si
1368	4X/2Y Ø8/10	1569	-25997	SLD 13	9542	44078	36968	2.5	23.56	-1461	-25679	SLD 5	9046	39534	39744	2.5	27.06	Si
1397	4X/2Y Ø8/14.4	1569	-25888	SLD 13	9528	30516	36954	2.5	19.45	-1461	-25571	SLD 5	9031	27370	39729	2.5	18.73	Si
1426	4X/2Y Ø8/14.4	1569	-25780	SLD 13	9515	30516	36940	2.5	19.45	-1461	-25462	SLD 5	9016	27370	39714	2.5	18.73	Si
1455	4X/2Y Ø8/14.4	1569	-25671	SLD 13	9501	30516	36926	2.5	19.45	-1461	-25353	SLD 5	9002	27370	39698	2.5	18.73	Si
1484	4X/2Y Ø8/14.4	1569	-25562	SLD 13	9488	30516	36912	2.5	19.45	-1461	-25244	SLD 5	8987	27370	39683	2.5	18.73	Si
1513	4X/2Y Ø8/14.4	1569	-25453	SLD 13	9474	30516	36898	2.5	19.45	-1461	-25136	SLD 5	8973	27370	39668	2.5	18.73	Si
1542	4X/2Y Ø8/10	1569	-25345	SLD 13	9461	44078	36884	2.5	23.51	-1461	-25027	SLD 5	8958	39534	39653	2.5	27.06	Si
1571	4X/2Y Ø8/10	1569	-25236	SLD 13	9447	44078	36870	2.5	23.5	-1461	-24918	SLD 5	8944	39534	39638	2.5	27.06	Si
1600	4X/2Y Ø8/10	1569	-25129	SLD 13	9434	44078	36856	2.5	23.49	-1461	-24811	SLD 5	8929	39534	39623	2.5	27.06	Si
1620	4X/2Y Ø8/10	2525	-10058	SLD 13	7558	44078	34915	2.5	13.83	-1233	-10134	SLD 9	6963	39534	37589	2.5	30.48	Si
1649	4X/2Y Ø8/10	2525	-9949	SLD 13	7544	44078	34901	2.5	13.82	-1233	-10026	SLD 9	6948	39534	37574	2.5	30.47	Si
1678	4X/2Y Ø8/10	2525	-9841	SLD 13	7531	44078	34887	2.5	13.82	-1233	-9917	SLD 9	6933	39534	37559	2.5	30.45	Si
1707	4X/2Y Ø8/14.4	2525	-9732	SLD 13	7517	30516	34873	2.5	12.09	-1233	-9808	SLD 9	6919	27370	37544	2.5	22.19	Si
1736	4X/2Y Ø8/14.4	2525	-9623	SLD 13	7503	30516	34859	2.5	12.09	-1233	-9699	SLD 9	6904	27370	37529	2.5	22.19	Si
1765	4X/2Y Ø8/14.4	2525	-9514	SLD 13	7490	30516	34845	2.5	12.09	-1233	-9591	SLD 9	6890	27370	37513	2.5	22.19	Si
1794	4X/2Y Ø8/14.4	2525	-9406	SLD 13	7476	30516	34831	2.5	12.09	-1233	-9482	SLD 9	6875	27370	37498	2.5	22.19	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1823	4X/2Y Ø8/14.4	2525	-9297	SLD 13	7463	30516	34817	2.5	12.09	-1233	-9373	SLD 9	6861	27370	37483	2.5	22.19	Si
1852	4X/2Y Ø8/10	2525	-9188	SLD 13	7449	44078	34803	2.5	13.78	-1233	-9264	SLD 9	6846	39534	37468	2.5	30.38	Si
1881	4X/2Y Ø8/10	2525	-9079	SLD 13	7436	44078	34789	2.5	13.78	-1233	-9156	SLD 9	6831	39534	37453	2.5	30.37	Si
1910	4X/2Y Ø8/10	2525	-8972	SLD 13	7422	44078	34775	2.5	13.77	-1233	-9049	SLD 9	6817	39534	37438	2.5	30.36	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	209937	-58966	-112408	SLE RA 13	-70.8	209937	-58966	-112408	SLE RA 13	-1004.9	Si
-111	185563	-52262	-112278	SLE RA 13	-67.8	185563	-52262	-112278	SLE RA 13	-967.3	Si
-81	160768	-45442	-112146	SLE RA 13	-65.1	160768	-45442	-112146	SLE RA 13	-934.5	Si
-52	135973	-38622	-112013	SLE RA 13	-63.3	135973	-38622	-112013	SLE RA 13	-913.1	Si
-22	111177	-31801	-111881	SLE RA 13	-61.4	111177	-31801	-111881	SLE RA 13	-891.6	Si
7	86382	-24981	-111749	SLE RA 13	-59.5	86382	-24981	-111749	SLE RA 13	-870.1	Si
36	61587	-18161	-111616	SLE RA 13	-57.7	57184	-19279	-111838	SLE RA 12	-848.7	Si
66	36294	-12100	-111706	SLE RA 12	-56	36294	-12100	-111706	SLE RA 12	-829.2	Si
95	15404	-4920	-111573	SLE RA 12	-54.3	15404	-4920	-111573	SLE RA 12	-809.7	Si
125	-12800	2299	-111219	SLE RA 13	-53.7	-12800	2299	-111219	SLE RA 13	-803.3	Si
154	-37595	9120	-111087	SLE RA 13	-55.5	-37595	9120	-111087	SLE RA 13	-822.9	Si
184	-62390	15940	-110954	SLE RA 13	-57.2	-62390	15940	-110954	SLE RA 13	-842.5	Si
213	-87426	22826	-110821	SLE RA 13	-59	-87426	22826	-110821	SLE RA 13	-862.2	Si
242	-111981	29580	-110690	SLE RA 13	-60.7	-111981	29580	-110690	SLE RA 13	-881.6	Si
272	-136776	36400	-110557	SLE RA 13	-62.4	-136776	36400	-110557	SLE RA 13	-901.2	Si
301	-161572	43220	-110425	SLE RA 13	-64.2	-161572	43220	-110425	SLE RA 13	-920.8	Si
331	-186367	50041	-110293	SLE RA 13	-65.9	-186367	50041	-110293	SLE RA 13	-940.3	Si
360	-210741	56745	-110163	SLE RA 13	-67.6	-210741	56745	-110163	SLE RA 13	-959.6	Si
380	275618	16815	-92865	SLE RA 12	-58.8	275618	16815	-92865	SLE RA 12	-838.7	Si
409	233358	6665	-92734	SLE RA 12	-55.8	233358	6665	-92734	SLE RA 12	-804.1	Si
438	191098	-3486	-92604	SLE RA 12	-53.4	191098	-3486	-92604	SLE RA 12	-775.7	Si
467	148838	-13637	-92473	SLE RA 12	-52.3	148838	-13637	-92473	SLE RA 12	-759	Si
496	106578	-23787	-92343	SLE RA 12	-51.2	106578	-23787	-92343	SLE RA 12	-742.4	Si
525	64318	-33938	-92212	SLE RA 12	-50	64318	-33938	-92212	SLE RA 12	-725.7	Si
554	22058	-44089	-92082	SLE RA 12	-48.9	22058	-44089	-92082	SLE RA 12	-709.1	Si
583	-20202	-54239	-91951	SLE RA 12	-49.7	-20202	-54239	-91951	SLE RA 12	-716	Si
612	-62462	-64390	-91821	SLE RA 12	-52.5	-62462	-64390	-91821	SLE RA 12	-748.8	Si
641	-104722	-74541	-91690	SLE RA 12	-55.4	-104722	-74541	-91690	SLE RA 12	-781.5	Si
670	-146982	-84691	-91560	SLE RA 12	-58.3	-146982	-84691	-91560	SLE RA 12	-814.2	Si
690	188585	80992	-68343	SLE RA 13	-48.9	188585	80992	-68343	SLE RA 13	-669.6	Si
719	149012	74267	-68215	SLE RA 13	-46.3	149012	74267	-68215	SLE RA 13	-639.6	Si
748	108746	67423	-68084	SLE RA 13	-43.7	108746	67423	-68084	SLE RA 13	-609.1	Si
777	68479	60580	-67954	SLE RA 13	-41.1	68479	60580	-67954	SLE RA 13	-578.6	Si
806	28212	53736	-67823	SLE RA 13	-38.5	28212	53736	-67823	SLE RA 13	-548.1	Si
835	-20245	46648	-67799	SLE RA 12	-37.5	-20245	46648	-67799	SLE RA 12	-537	Si
864	-60477	40018	-67668	SLE RA 12	-38.7	-60477	40018	-67668	SLE RA 12	-553.7	Si
893	-100709	33388	-67538	SLE RA 12	-40	-100709	33388	-67538	SLE RA 12	-570.4	Si
922	-140941	26758	-67407	SLE RA 12	-41.2	-140941	26758	-67407	SLE RA 12	-587.1	Si
951	-181174	20128	-67277	SLE RA 12	-42.4	-181174	20128	-67277	SLE RA 12	-602.6	Si
980	-221406	13498	-67146	SLE RA 12	-41.2	-221406	13498	-67146	SLE RA 12	-586.8	Si
1000	275374	-16470	-49283	SLE RA 12	-47.6	275374	-16470	-49283	SLE RA 12	-645.5	Si
1029	211156	-19026	-49176	SLE RA 12	-44.2	211156	-19026	-49176	SLE RA 12	-606.7	Si
1058	145812	-21627	-49068	SLE RA 12	-40.6	145812	-21627	-49068	SLE RA 12	-563.7	Si
1087	80468	-24229	-48959	SLE RA 12	-36.3	80468	-24229	-48959	SLE RA 12	-512.7	Si
1116	15124	-26830	-48850	SLE RA 12	-32.1	15124	-26830	-48850	SLE RA 12	-461.7	Si
1145	-50221	-29432	-48741	SLE RA 12	-34.7	-50221	-29432	-48741	SLE RA 12	-491.9	Si
1174	-115839	-32316	-48564	SLE RA 13	-39.4	-115565	-32033	-48633	SLE RA 12	-546.6	Si
1203	-181297	-35069	-48455	SLE RA 13	-44.1	-181297	-35069	-48455	SLE RA 13	-601.5	Si
1232	-246755	-37823	-48346	SLE RA 13	-48.9	-246755	-37823	-48346	SLE RA 13	-656.4	Si
1261	-312213	-40576	-48237	SLE RA 13	-53.6	-312213	-40576	-48237	SLE RA 13	-711.3	Si
1290	-376542	-43282	-48130	SLE RA 13	-58.2	-376542	-43282	-48130	SLE RA 13	-765.3	Si
1310	201509	-77500	-29053	SLE RA 12	-39.1	201509	-77500	-29053	SLE RA 12	-496	Si
1339	187404	-46531	-28944	SLE RA 12	-34.6	187404	-46531	-28944	SLE RA 12	-450.6	Si
1368	173298	-15561	-28835	SLE RA 12	-30.2	173298	-15561	-28835	SLE RA 12	-405.1	Si
1397	159193	15409	-28726	SLE RA 12	-29.1	159193	15409	-28726	SLE RA 12	-392.6	Si
1426	145088	46379	-28618	SLE RA 12	-31.5	145088	46379	-28618	SLE RA 12	-413.4	Si
1455	130983	77349	-28509	SLE RA 12	-33.9	130983	77349	-28509	SLE RA 12	-434.2	Si
1484	117347	108611	-28332	SLE RA 11	-36.3	116967	108627	-28365	SLE RA 10	-455.1	Si
1513	104919	139663	-28223	SLE RA 11	-38.8	104919	139663	-28223	SLE RA 11	-477.3	Si
1542	92491	170715	-28114	SLE RA 11	-41.4	92491	170715	-28114	SLE RA 11	-499.5	Si
1571	80063	201767	-28005	SLE RA 11	-43.9	80063	201767	-28005	SLE RA 11	-521.7	Si
1600	67850	232284	-27898	SLE RA 11	-50.3	67850	232284	-27898	SLE RA 11	-574.4	Si
1620	-44469	-367954	-11123	SLE RA 12	-77.3	-44469	-367954	-11123	SLE RA 12	1515.5	Si
1649	-69143	-296754	-11014	SLE RA 12	-67.1	-69143	-296754	-11014	SLE RA 12	1167.6	Si
1678	-93818	-225553	-10905	SLE RA 12	-56.1	-93818	-225553	-10905	SLE RA 12	824.2	Si
1707	-118492	-154353	-10797	SLE RA 12	-44	-118492	-154353	-10797	SLE RA 12	498.9	Si
1736	-143167	-83152	-10688	SLE RA 12	-25.1	-143167	-83152	-10688	SLE RA 12	-296.7	Si
1765	-167842	-11952	-10579	SLE RA 12	-18.9	-167842	-11952	-10579	SLE RA 12	-239.6	Si
1794	-192516	59249	-10470	SLE RA 12	-33.6	-192516	59249	-10470	SLE RA 12	-379.5	Si
1823	-217191	130449	-10362	SLE RA 12	-52.5	-217191	130449	-10362	SLE RA 12	669.2	Si
1852	-241865	201650	-10253	SLE RA 12	-72.2	-241865	201650	-10253	SLE RA 12	1089.9	Si
1881	-266540	272850	-10144	SLE RA 12	-91.4	-266540	272850	-10144	SLE RA 12	1540.3	Si
1910	-290789	342823	-10037	SLE RA 12	-96.6	-290789	342823	-10037	SLE RA 12	1573.6	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	130082	-50938	-99973	SLE QP 2	-60.1	Si
-111	114503	-45162	-99843	SLE QP 2	-57.7	Si
-81	98655	-39287	-99711	SLE QP 2	-55.7	Si
-52	82806	-33411	-99578	SLE QP 2	-54.4	Si
-22	66957	-27535	-99446	SLE QP 2	-53	Si
7	51109	-21660	-99313	SLE QP 2	-51.7	Si
36	35260	-15784	-99181	SLE QP 2	-50.3	Si
66	19412	-9909	-99049	SLE QP 2	-49	Si
95	3563	-4033	-98916	SLE QP 2	-47.6	Si
125	-12285	1843	-98784	SLE QP 2	-47.8	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
154	-28134	7718	-98652	SLE QP 2	-49	Si
184	-43982	13594	-98519	SLE QP 2	-50.2	Si
213	-59984	19526	-98386	SLE QP 2	-51.4	Si
242	-75679	25345	-98255	SLE QP 2	-52.7	Si
272	-91528	31221	-98122	SLE QP 2	-53.9	Si
301	-107376	37096	-97990	SLE QP 2	-55.1	Si
331	-123225	42972	-97858	SLE QP 2	-56.3	Si
360	-138804	48748	-97727	SLE QP 2	-57.5	Si
380	241503	13512	-81882	SLE QP 2	-51.6	Si
409	204308	5752	-81752	SLE QP 2	-49.1	Si
438	167113	-2009	-81621	SLE QP 2	-46.9	Si
467	129919	-9769	-81491	SLE QP 2	-45.8	Si
496	92724	-17530	-81360	SLE QP 2	-44.7	Si
525	55529	-25290	-81230	SLE QP 2	-43.6	Si
554	18334	-33051	-81099	SLE QP 2	-42.5	Si
583	-18860	-40811	-80969	SLE QP 2	-43.2	Si
612	-56055	-48572	-80838	SLE QP 2	-45.6	Si
641	-93250	-56332	-80708	SLE QP 2	-48	Si
670	-130445	-64093	-80577	SLE QP 2	-50.4	Si
690	155974	61064	-60361	SLE QP 2	-41.7	Si
719	121707	56094	-60232	SLE QP 2	-39.6	Si
748	86839	51037	-60102	SLE QP 2	-37.4	Si
777	51971	45980	-59971	SLE QP 2	-35.2	Si
806	17103	40923	-59841	SLE QP 2	-33	Si
835	-17765	35866	-59710	SLE QP 2	-32.5	Si
864	-52633	30809	-59580	SLE QP 2	-33.7	Si
893	-87501	25752	-59449	SLE QP 2	-34.8	Si
922	-122369	20695	-59319	SLE QP 2	-35.9	Si
951	-157237	15638	-59188	SLE QP 2	-37	Si
980	-192105	10581	-59058	SLE QP 2	-36	Si
1000	230033	-14781	-42926	SLE QP 2	-40.8	Si
1029	176757	-16072	-42819	SLE QP 2	-38	Si
1058	122546	-17386	-42711	SLE QP 2	-34.8	Si
1087	68336	-18700	-42602	SLE QP 2	-31.2	Si
1116	14125	-20014	-42493	SLE QP 2	-27.6	Si
1145	-40086	-21327	-42384	SLE QP 2	-29.4	Si
1174	-94297	-22641	-42276	SLE QP 2	-33.2	Si
1203	-148508	-23955	-42167	SLE QP 2	-37	Si
1232	-202719	-25269	-42058	SLE QP 2	-40.8	Si
1261	-256929	-26583	-41949	SLE QP 2	-44.6	Si
1290	-310206	-27874	-41843	SLE QP 2	-48.4	Si
1310	166323	-75091	-25205	SLE QP 2	-34.2	Si
1339	154108	-47489	-25096	SLE QP 2	-30.2	Si
1368	141894	-19886	-24988	SLE QP 2	-26.3	Si
1397	129679	7716	-24879	SLE QP 2	-24	Si
1426	117465	35318	-24770	SLE QP 2	-26.2	Si
1455	105250	62920	-24661	SLE QP 2	-28.3	Si
1484	93036	90522	-24553	SLE QP 2	-30.5	Si
1513	80821	118125	-24444	SLE QP 2	-32.6	Si
1542	68607	145727	-24335	SLE QP 2	-34.8	Si
1571	56392	173329	-24226	SLE QP 2	-37	Si
1600	44388	200455	-24120	SLE QP 2	-39.1	Si
1620	-32777	-305834	-9500	SLE QP 2	-63.6	Si
1649	-52918	-247271	-9392	SLE QP 2	-55.2	Si
1678	-73059	-188708	-9283	SLE QP 2	-46.1	Si
1707	-93200	-130146	-9174	SLE QP 2	-36.2	Si
1736	-113341	-71583	-9065	SLE QP 2	-20.9	Si
1765	-133482	-13020	-8957	SLE QP 2	-15.7	Si
1794	-153623	45543	-8848	SLE QP 2	-20.6	Si
1823	-173764	104106	-8739	SLE QP 2	-41.6	Si
1852	-193905	162669	-8630	SLE QP 2	-57.8	Si
1881	-214046	221232	-8522	SLE QP 2	-73.6	Si
1910	-233840	278785	-8415	SLE QP 2	-78.1	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-140	109982	-45950	-94602										No	Si
-111	96335	-40737	-94472										No	Si
-81	82452	-35434	-94340										No	Si
-52	68569	-30131	-94207										No	Si
-22	54687	-24827	-94075										No	Si
7	40804	-19524	-93943										No	Si
36	26921	-14221	-93810										No	Si
66	13038	-8918	-93678										No	Si
95	-845	-3615	-93545										No	Si
125	-14727	1688	-93413										No	Si
154	-28610	6991	-93281										No	Si
184	-42493	12295	-93148										No	Si
213	-56510	17649	-93015										No	Si
242	-70258	22901	-92884										No	Si
272	-84141	28204	-92751										No	Si
301	-98024	33507	-92619										No	Si
331	-111907	38810	-92487										No	Si
360	-125554	44023	-92357										No	Si
380	226949	12201	-77220										No	Si
409	191872	5445	-77090										No	Si
438	156795	-1310	-76959										No	Si
467	121718	-8066	-76829										No	Si
496	86641	-14822	-76698										No	Si
525	51564	-21578	-76568										No	Si
554	16486	-28334	-76437										No	Si
583	-18591	-35090	-76307										No	Si
612	-53668	-41846	-76176										No	Si
641	-88745	-48602	-76046										No	Si
670	-123822	-55357	-75915										No	Si
690	146385	53205	-56930										No	Si

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
719	114245	48877	-56802										No	Si
748	81540	44474	-56671										No	Si
777	48836	40071	-56541										No	Si
806	16132	35668	-56410										No	Si
835	-16572	31264	-56280										No	Si
864	-49277	26861	-56149										No	Si
893	-81981	22458	-56019										No	Si
922	-114685	18055	-55888										No	Si
951	-147389	13651	-55758										No	Si
980	-180094	9248	-55627										No	Si
1000	211509	-13914	-40227										No	Si
1029	162710	-14693	-40120										No	Si
1058	113054	-15485	-40012										No	Si
1087	63398	-16278	-39903										No	Si
1116	13742	-17070	-39794										No	Si
1145	-35914	-17863	-39685										No	Si
1174	-85570	-18655	-39577										No	Si
1203	-135226	-19448	-39468										No	Si
1232	-184881	-20240	-39359										No	Si
1261	-234537	-21033	-39250										No	Si
1290	-328118	-31915	-43642										No	Si
1310	176062	-75827	-26294										No	Si
1339	140586	-47826	-23476										No	Si
1368	128736	-21736	-23354										No	Si
1397	117247	4388	-23245										No	Si
1426	105758	30513	-23136										No	Si
1455	112571	67108	-25751										No	Si
1484	99873	95695	-25642										No	Si
1513	87175	124282	-25533										No	Si
1542	74477	152869	-25424										No	Si
1571	61779	181456	-25316										No	Si
1600	49300	209551	-25209										No	Si
1620	-36303	-323256	-9956	SLE FR 6	-32833	-292357	-292357	1315.4	341.8	0.0235	27.66	0.0106	Si	Si
1649	-57641	-261177	-9848										No	Si
1678	-78979	-199098	-9739										No	Si
1707	-100317	-137019	-9630										No	Si
1736	-121654	-74940	-9521										No	Si
1765	-142992	-12861	-9413										No	Si
1794	-164330	49218	-9304										No	Si
1823	-185668	111296	-9195										No	Si
1852	-207005	173375	-9086										No	Si
1881	-228343	235454	-8978	SLE FR 6	-183872	189598	189598	1310.2	257.8	0.039	27.31	0.0104	Si	Si
1910	-249313	296463	-8871	SLE FR 6	-172985	205700	205700	1346.8	257.8	0.0528	25.24	0.0099	Si	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-140	109982	-45950	-94602										No	Si
-111	96335	-40737	-94472										No	Si
-81	82452	-35434	-94340										No	Si
-52	68569	-30131	-94207										No	Si
-22	54687	-24827	-94075										No	Si
7	40804	-19524	-93943										No	Si
36	26921	-14221	-93810										No	Si
66	13038	-8918	-93678										No	Si
95	-845	-3615	-93545										No	Si
125	-14727	1688	-93413										No	Si
154	-28610	6991	-93281										No	Si
184	-42493	12295	-93148										No	Si
213	-56510	17649	-93015										No	Si
242	-70258	22901	-92884										No	Si
272	-84141	28204	-92751										No	Si
301	-98024	33507	-92619										No	Si
331	-111907	38810	-92487										No	Si
360	-125554	44023	-92357										No	Si
380	226949	12201	-77220										No	Si
409	191872	5445	-77090										No	Si
438	156795	-1310	-76959										No	Si
467	121718	-8066	-76829										No	Si
496	86641	-14822	-76698										No	Si
525	51564	-21578	-76568										No	Si
554	16486	-28334	-76437										No	Si
583	-18591	-35090	-76307										No	Si
612	-53668	-41846	-76176										No	Si
641	-88745	-48602	-76046										No	Si
670	-123822	-55357	-75915										No	Si
690	146385	53205	-56930										No	Si
719	114245	48877	-56802										No	Si
748	81540	44474	-56671										No	Si
777	48836	40071	-56541										No	Si
806	16132	35668	-56410										No	Si
835	-16572	31264	-56280										No	Si
864	-49277	26861	-56149										No	Si
893	-81981	22458	-56019										No	Si
922	-114685	18055	-55888										No	Si
951	-147389	13651	-55758										No	Si
980	-180094	9248	-55627										No	Si
1000	211509	-13914	-40227										No	Si
1029	162710	-14693	-40120										No	Si
1058	113054	-15485	-40012										No	Si
1087	63398	-16278	-39903										No	Si
1116	13742	-17070	-39794										No	Si
1145	-35914	-17863	-39685										No	Si
1174	-85570	-18655	-39577										No	Si
1203	-135226	-19448	-39468										No	Si
1232	-184881	-20240	-39359										No	Si
1261	-234537	-21033	-39250										No	Si

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1290	-310206	-27874	-41843										No	Si
1310	166323	-75091	-25205										No	Si
1339	140226	-47861	-23462										No	Si
1368	128736	-21736	-23354										No	Si
1397	117247	4388	-23245										No	Si
1426	105758	30513	-23136										No	Si
1455	105250	62920	-24661										No	Si
1484	93036	90522	-24553										No	Si
1513	80821	118125	-24444										No	Si
1542	68607	145727	-24335										No	Si
1571	56392	173329	-24226										No	Si
1600	44388	200455	-24120										No	Si
1620	-32777	-305834	-9500	SLE QP 2	-31490	-293826	-293826	1236.8	340.7	0.0236	27.59	0.0099	Si	Si
1649	-52918	-247271	-9392										No	Si
1678	-73059	-188708	-9283										No	Si
1707	-93200	-130146	-9174										No	Si
1736	-113341	-71583	-9065										No	Si
1765	-133482	-13020	-8957										No	Si
1794	-153623	45543	-8848										No	Si
1823	-173764	104106	-8739										No	Si
1852	-193905	162669	-8630										No	Si
1881	-214046	221232	-8522	SLE QP 2	-183890	190064	190064	1224.1	257.2	0.0391	27.29	0.0097	Si	Si
1910	-233840	278785	-8415	SLE QP 2	-172884	206114	206114	1261.7	257.6	0.0529	25.23	0.0093	Si	Si

Verifiche nodi trave colonna

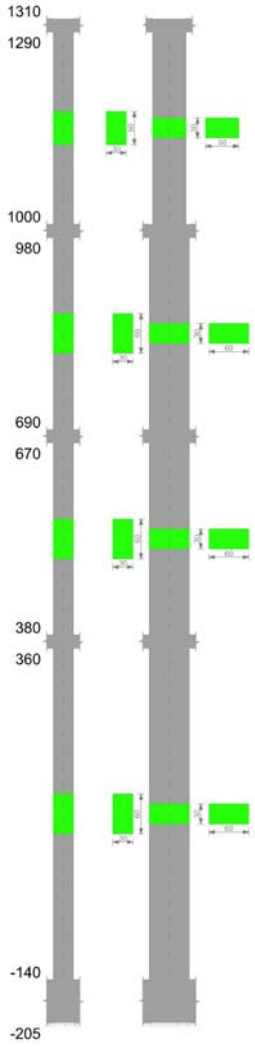
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.

Pilastro 67

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60_1	No	No	No	No		C30/37	B450C	
380	670	R 30x60_1	No	No	No	No		C30/37	B450C	
690	980	R 30x60_1	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.9	8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.9	8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2	0	1,2	322579	322579	-118923	785458	785458	SLU 51	2.435	Si
-111	18.42	2	0	1,2	322120	322120	-118754	804436	804436	SLU 51	2.497	Si
-81	20.11	1.1	0	2	321653	321653	-118582	818158	818158	SLU 51	2.544	Si
-52	20.11	1.1	0	2	321186	321186	-118410	818158	818158	SLU 51	2.547	Si
-22	20.11	1.1	0	2	320720	320720	-118238	818158	818158	SLU 51	2.551	Si
7	20.11	1.1	0	2	320253	320253	-118066	818158	818158	SLU 51	2.555	Si
36	20.11	1.1	0	2	319786	319786	-117894	818158	818158	SLU 51	2.558	Si
66	20.11	1.1	0	2	319320	319320	-117722	818158	818158	SLU 51	2.562	Si
95	20.11	1.1	0	2	318853	318853	-117549	818158	818158	SLU 51	2.566	Si
125	20.11	1.1	0	2	318386	318386	-117377	818158	818158	SLU 51	2.57	Si
154	20.11	1.1	0	2	317919	-317919	-117205	818158	-818158	SLU 51	2.573	Si
184	20.11	1.1	0	2	317453	-317453	-117033	818158	-818158	SLU 51	2.577	Si
213	20.11	1.1	0	2	316982	-316982	-116860	818158	-818158	SLU 51	2.581	Si
242	20.11	1.1	0	2	316519	-316519	-116689	818158	-818158	SLU 51	2.585	Si
272	20.11	1.1	0	2	316053	-316053	-116517	818158	-818158	SLU 51	2.589	Si
301	20.11	1.1	0	2	315586	-315586	-116345	818158	-818158	SLU 51	2.593	Si
331	20.11	1.1	0	2	315119	-315119	-116173	818158	-818158	SLU 51	2.596	Si
360	20.11	1.1	0	2	314660	-314660	-116004	818158	-818158	SLU 51	2.6	Si
380	20.11	2.2	0	2,3	-206367	176026	-88013	-753733	642917	SLU 52	3.652	Si
409	20.11	2.2	0	2,3	-209065	175687	-87843	-764492	642438	SLU 52	3.657	Si
438	20.11	1.1	0	3	-211763	175348	-87674	-775273	641955	SLU 52	3.661	Si
467	20.11	1.1	0	3	-214461	175008	-87504	-785975	641385	SLU 52	3.665	Si
496	20.11	1.1	0	3	-217159	174669	-87334	-796679	640798	SLU 52	3.669	Si
525	20.11	1.1	0	3	-219857	174330	-87165	-807405	640208	SLU 52	3.672	Si
554	20.11	1.1	0	3	-222556	-173990	-86995	-818152	-639618	SLU 52	3.676	Si
583	20.11	1.1	0	3	-225254	-173651	-86826	-828920	-639026	SLU 52	3.68	Si
612	20.11	1.1	0	3	-227952	-173312	-86656	-839710	-638432	SLU 52	3.684	Si
641	20.11	1.1	0	3	-230033	-173383	-86691	-846532	-638056	SLU 51	3.68	Si
670	20.11	1.1	0	3	-240706	-173043	-86522	-884625	-635956	SLU 51	3.675	Si
690	20.11	2.2	0	3,4,6,7	212024	109084	-54542	1194209	614406	SLU 52	5.632	Si
719	20.11	2.2	0	3,4,6,7	201427	108750	-54375	1145093	618234	SLU 52	5.685	Si
748	20.11	1.1	0	4,6,7	190645	108411	-54205	1093977	622095	SLU 52	5.738	Si
777	20.11	1.1	0	4,6,7	179862	108072	-54036	1041883	626024	SLU 52	5.793	Si
806	20.11	1.1	0	4,6,7	169079	107732	-53866	988444	629806	SLU 52	5.846	Si
835	20.11	1.1	0	4,6,7	154303	107659	-53830	909516	634581	SLU 51	5.894	Si
864	20.11	1.1	0	4,6,7	144190	107320	-53660	856521	637506	SLU 51	5.94	Si
893	20.11	1.1	0	4,6,7	134076	-106980	-53490	802684	-640468	SLU 51	5.987	Si
922	20.11	1.1	0	4,6,7	123963	-106641	-53321	747658	-643186	SLU 51	6.031	Si
951	20.37	1.6	0	4,5,6,7	113849	-106302	-53151	693324	-647361	SLU 51	6.09	Si
980	27.42	2	0	4,5,6,7	105963	-105963	-52981	695580	-695580	SLU 51	6.564	Si
1000	20.11	2.4	0	5,6,7,8,9	-120734	209457	-24169	-753615	1307423	SLU 51	6.242	Si
1029	17.8	2.4	0	5,6,7,8,9	-112925	151236	-24030	-828611	1109731	SLU 51	7.338	Si
1058	16.08	1.1	0	8,9	-104979	91994	-23889	-930494	815402	SLU 51	8.864	Si
1087	16.08	1.1	0	8,9	-97033	47495	-23747	-1000933	489927	SLU 51	10.315	Si
1116	16.08	1.1	0	8,9	-89087	-47212	-23606	-937591	-496880	SLU 51	10.524	Si
1145	16.08	1.1	0	8,9	-81141	-85733	-23465	-770460	-814067	SLU 51	9.495	Si
1174	16.08	1.1	0	8,9	-73195	-144975	-23323	-574165	-1137240	SLU 51	7.844	Si
1203	16.08	1.1	0	8,9	-65248	-204218	-23182	-421937	-1320598	SLU 51	6.467	Si
1232	16.08	1.1	0	8,9	-57302	-263460	-23040	-310700	-1428508	SLU 51	5.422	Si
1261	16.08	1.1	0	8,9	-49356	-322702	-22899	-226951	-1483851	SLU 51	4.598	Si
1290	22.11	2.1	0	8,9	-45515	-381945	-22758	-205383	-1723488	SLU 51	4.512	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	16.08	2	0	1,2	-1424670	124517	-75066	-2.02	1.92	-2459560	214968	SLV 3	1.726				Si
-111	18.42	2	0	1,2	-1318108	112853	-74936	-2.02	1.92	-2502364	214247	SLV 3	1.898				Si
-81	20.11	1.1	0	2	-1209719	100988	-74804	-2.02	1.92	-2518155	210216	SLV 3	2.082				Si
-52	20.11	1.1	0	2	-1101355	89122	-74671	-2.02	1.92	-2487492	201289	SLV 3	2.259				Si
-22	20.11	1.1	0	2	-993021	77257	-74539	-2.02	1.92	-2435591	189489	SLV 3	2.453				Si
7	20.11	1.1	0	2	-884726	65392	-74407	-2.02	1.92	-2356865	174200	SLV 3	2.664				Si
36	20.11	1.1	0	2	-776491	53527	-74274	-2.02	1.92	-2243897	154682	SLV 3	2.89				Si
66	20.11	1.1	0	2	-668344	41663	-74142	-2.02	1.92	-2091136	130358	SLV 3	3.129				Si
95	20.11	1.1	0	2	-560327	29801	-74009	-2.02	1.92	-1893688	100714	SLV 3	3.38				Si
125	20.11	1.1	0	2	-452532	17940	-73877	-2.02	1.92	-1654531	65592	SLV 3	3.656				Si
154	20.11	1.1	0	2	-345196	6086	-73745	-2.02	1.92	-1373593	24217	SLV 3	3.979				Si
184	20.11	1.1	0	2	89175	4125	-77416	-2.02	1.92	379286	17543	SLV 5	4.253				Si
213	20.11	1.1	0	2	64406	-25176	-77282	-2.02	1.92	274411	-107264	SLV 5	4.261				Si
242	20.11	1.1	0	2	52488	-47036	-77151	-2.02	1.92	224010	-200745	SLV 5	4.268				Si
272	20.11	1.1	0	2	88938	-70784	-77019	-2.02	1.92	380226	-302616	SLV 5	4.275				Si
301	20.11	1.1	0	2	154013	-84495	-76048	-2.02	1.92	628501	-344812	SLV 1	4.081				Si
331	20.11	1.1	0	2	227371	-105799	-75915	-2.02	1.92	863894	-401983	SLV 1	3.799				Si
360	20.11	1.1	0	2	300621	-126763	-75785	-2.02	1.92	1068804	-450684	SLV 1	3.555				Si
380	20.11	2.2	0	2,3	-155461	171433	-57566	-2.02	1.92	-687953	758630	SLV 1	4.425				Si
409	20.11	2.2	0	2,3	-152959	138631	-57436	-2.02	1.92	-712828	646059	SLV 1	4.66				Si
438	20.11	1.1	0	3	-154488	105899	-57305	-2.02	1.92	-757277	519102	SLV 1	4.902				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
467	20.11	1.1	0	3	-80993	73342	-57175	-2.02	1.92	-445296	403232	SLV 1	5.498				Si
496	20.11	1.1	0	3	-13830	42027	-57818	-2.02	1.92	-78762	239341	SLV 5	5.695				Si
525	20.11	1.1	0	3	-10922	11186	-57687	-2.02	1.92	-62340	63847	SLV 5	5.708				Si
554	20.11	1.1	0	3	-221354	-22767	-55922	-2.02	1.92	-1179752	-121341	SLV 9	5.33				Si
583	20.11	1.1	0	3	-242266	-50493	-55792	-2.02	1.92	-1221923	-254675	SLV 9	5.044				Si
612	20.11	1.1	0	3	-264746	-79134	-55661	-2.02	1.92	-1261548	-377084	SLV 9	4.765				Si
641	20.11	1.1	0	3	-288308	-108005	-55531	-2.02	1.92	-1298441	-486416	SLV 9	4.504				Si
670	20.11	1.1	0	3	-312630	-136966	-55400	-2.02	1.92	-1329433	-582436	SLV 9	4.252				Si
690	20.11	2.2	0	3,4,6,7	318154	131003	-35087	-2.02	1.92	1666267	686099	SLV 9	5.237				Si
719	20.11	2.2	0	3,4,6,7	276947	107124	-34959	-2.02	1.92	1614632	624545	SLV 9	5.83				Si
748	20.11	1.1	0	4,6,7	237162	82909	-34828	-2.02	1.92	1536725	537219	SLV 9	6.48				Si
777	20.11	1.1	0	4,6,7	201648	58891	-34698	-2.02	1.92	1441488	420981	SLV 9	7.149				Si
806	20.11	1.1	0	4,6,7	175009	35558	-34567	-2.02	1.92	1363655	277068	SLV 9	7.792				Si
835	20.11	1.1	0	4,6,7	153217	16218	-35606	-2.02	1.92	1255169	132856	SLV 5	8.192				Si
864	20.11	1.1	0	4,6,7	192582	9775	-33369	-2.02	1.92	1580909	80246	SLV 3	8.209				Si
893	20.11	1.1	0	4,6,7	172651	-48704	-34840	-2.02	1.92	1304960	-368122	SLV 1	7.558				Si
922	20.11	1.1	0	4,6,7	195983	-76571	-34710	-2.02	1.92	1357509	-530385	SLV 1	6.927				Si
951	20.37	1.6	0	4,5,6,7	221368	-104775	-34579	-2.02	1.92	1401044	-663125	SLV 1	6.329				Si
980	27.42	2	0	4,5,6,7	247792	-133109	-34449	-2.02	1.92	1529864	-821814	SLV 1	6.174				Si
1000	20.11	2.4	0	5,6,7,8,9	-179689	218799	-15726	-2.02	1.92	-766091	932835	SLV 1	4.263				Si
1029	17.8	2.4	0	5,6,7,8,9	-149749	162639	-15619	-2.02	1.92	-808300	877873	SLV 1	5.398				Si
1058	16.08	1.1	0	8,9	-120761	105570	-15510	-2.02	1.92	-908293	794037	SLV 1	7.521				Si
1087	16.08	1.1	0	8,9	-95972	48803	-15401	-2.02	1.92	-1062853	540476	SLV 1	11.075				Si
1116	16.08	1.1	0	8,9	-76193	-7090	-13189	-2.02	1.92	-1221323	-113649	SLV 13	16.029				Si
1145	16.08	1.1	0	8,9	-99571	-61814	-14853	-2.02	1.92	-1029086	-638862	SLV 9	10.335				Si
1174	16.08	1.1	0	8,9	-117916	-113605	-14745	-2.02	1.92	-858947	-827544	SLV 9	7.284				Si
1203	16.08	1.1	0	8,9	-141495	-165656	-14636	-2.02	1.92	-744679	-871837	SLV 9	5.263				Si
1232	16.08	1.1	0	8,9	-167105	-217759	-14527	-2.02	1.92	-677200	-882475	SLV 9	4.053				Si
1261	16.08	1.1	0	8,9	-193647	-269881	-14418	-2.02	1.92	-635518	-885705	SLV 9	3.282				Si
1290	22.11	2.1	0	8,9	-220682	-322013	-14310	-2.02	1.92	-702921	-1025683	SLV 9	3.185				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2	0	1,2	-552227	75123	-73687	-1754138	238626	SLD 3	3.176	Si
-111	18.42	2	0	1,2	-509741	67555	-73557	-1705137	225980	SLD 3	3.345	Si
-81	20.11	1.1	0	2	-466531	59857	-73425	-1636577	209978	SLD 3	3.508	Si
-52	20.11	1.1	0	2	-423335	52160	-73292	-1538650	189579	SLD 3	3.635	Si
-22	20.11	1.1	0	2	-380156	44462	-73160	-1433463	167653	SLD 3	3.771	Si
7	20.11	1.1	0	2	-337001	36764	-73028	-1320159	144018	SLD 3	3.917	Si
36	20.11	1.1	0	2	-293880	29066	-72895	-1197698	118459	SLD 3	4.075	Si
66	20.11	1.1	0	2	-250812	21369	-72763	-1065114	90748	SLD 3	4.247	Si
95	20.11	1.1	0	2	191396	21480	-73238	846222	94971	SLD 9	4.421	Si
125	20.11	1.1	0	2	66795	19320	-73981	297283	85988	SLD 5	4.451	Si
154	20.11	1.1	0	2	57106	6875	-73849	254619	30652	SLD 5	4.459	Si
184	20.11	1.1	0	2	47642	-5478	-73717	212804	-24469	SLD 5	4.467	Si
213	20.11	1.1	0	2	38722	-20632	-73583	173275	-92325	SLD 5	4.475	Si
242	20.11	1.1	0	2	35758	-32242	-73452	160295	-144532	SLD 5	4.483	Si
272	20.11	1.1	0	2	53097	-44575	-73320	238453	-200181	SLD 5	4.491	Si
301	20.11	1.1	0	2	4151	-57103	-73187	18677	-256907	SLD 5	4.499	Si
331	20.11	1.1	0	2	107292	-64189	-72728	481652	-288154	SLD 1	4.489	Si
360	20.11	1.1	0	2	136477	-75424	-72598	591813	-327066	SLD 1	4.336	Si
380	20.11	2.2	0	2,3	-112295	117141	-55206	-573577	598329	SLD 1	5.108	Si
409	20.11	2.2	0	2,3	-115588	95221	-55076	-612073	504222	SLD 1	5.295	Si
438	20.11	1.1	0	3	-120262	73341	-54945	-659644	402280	SLD 1	5.485	Si
467	20.11	1.1	0	3	-88056	51562	-54815	-517863	303242	SLD 1	5.881	Si
496	20.11	1.1	0	3	-59439	30493	-54986	-355937	182600	SLD 5	5.988	Si
525	20.11	1.1	0	3	-62471	9258	-54856	-374982	55572	SLD 5	6.002	Si
554	20.11	1.1	0	3	-161771	-14064	-54087	-950426	-82625	SLD 9	5.875	Si
583	20.11	1.1	0	3	-173252	-33804	-53957	-978687	-190958	SLD 9	5.649	Si
612	20.11	1.1	0	3	-185389	-54032	-53826	-1005109	-292941	SLD 9	5.422	Si
641	20.11	1.1	0	3	-198009	-74393	-53696	-1030280	-387082	SLD 9	5.203	Si
670	20.11	1.1	0	3	-210983	-94808	-53565	-1054220	-473727	SLD 9	4.997	Si
690	20.11	2.2	0	3,4,6,7	200072	89091	-33819	1360167	605679	SLD 9	6.798	Si
719	20.11	2.2	0	3,4,6,7	180594	73230	-33691	1307934	530361	SLD 9	7.242	Si
748	20.11	1.1	0	4,6,7	161781	57137	-33560	1247952	440745	SLD 9	7.714	Si
777	20.11	1.1	0	4,6,7	144791	41154	-33430	1188860	337913	SLD 9	8.211	Si
806	20.11	1.1	0	4,6,7	131108	25533	-33299	1142747	222545	SLD 9	8.716	Si
835	20.11	1.1	0	4,6,7	117417	11448	-33626	1072491	104567	SLD 5	9.134	Si
864	20.11	1.1	0	4,6,7	129072	2132	-32671	1206928	19940	SLD 3	9.351	Si
893	20.11	1.1	0	4,6,7	113872	-28165	-33168	1015465	-251164	SLD 1	8.918	Si
922	20.11	1.1	0	4,6,7	118340	-45622	-33037	1006104	-387871	SLD 1	8.502	Si
951	20.37	1.6	0	4,5,6,7	123877	-63256	-32907	1005309	-513350	SLD 1	8.115	Si
980	27.42	2	0	4,5,6,7	129983	-80961	-32776	1074362	-669175	SLD 1	8.265	Si
1000	20.11	2.4	0	5,6,7,8,9	-113580	162114	-14818	-693050	989197	SLD 1	6.102	Si
1029	17.8	2.4	0	5,6,7,8,9	-99294	119613	-14711	-755871	910544	SLD 1	7.612	Si
1058	16.08	1.1	0	8,9	-85383	76406	-14603	-856196	766177	SLD 1	10.028	Si
1087	16.08	1.1	0	8,9	-73048	33351	-14494	-978653	446825	SLD 1	13.397	Si
1116	16.08	1.1	0	8,9	-61156	-9508	-13557	-1012634	-157431	SLD 13	16.558	Si
1145	16.08	1.1	0	8,9	-67583	-52031	-14145	-841716	-648020	SLD 9	12.455	Si
1174	16.08	1.1	0	8,9	-71038	-93109	-14036	-680694	-892188	SLD 9	9.582	Si
1203	16.08	1.1	0	8,9	-77385	-134344	-13928	-564350	-979745	SLD 9	7.293	Si
1232	16.08	1.1	0	8,9	-84930	-175611	-13819	-487476	-1007955	SLD 9	5.74	Si
1261	16.08	1.1	0	8,9	-93027	-216889	-13710	-438151	-1021526	SLD 9	4.71	Si
1290	22.11	2.1	0	8,9	-101413	-258172	-13601	-462779	-1178116	SLD 9	4.563	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-342	-111442	SLU 46	15366	51797	52691	2.35	151.25	-673	-85029	SLU 15	15029	48390	55356	2.5	71.86	Si
-111	5X/2Y Ø8/10	-342	-111273	SLU 46	15366	51797	52691	2.35	151.25	-673	-84899	SLU 15	15029	48390	55356	2.5	71.86	Si
-81	5X/2Y Ø8/10	-342	-111101	SLU 46	15366	51797	52691	2.35	151.25	-673	-84766	SLU 15	15029	48390	55356	2.5	71.86	Si
-52	5X/2Y Ø8/10	-342	-110929	SLU 46	15366	51797	52691	2.35	151.25	-673	-84634	SLU 15	15029	48390	55356	2.5	71.86	Si
-22	5X/2Y Ø8/14.7	-342	-110757	SLU 46	15366	37388	50429	2.5	109.17	-673	-84502	SLU 15	15029	32833	55356	2.5	48.76	Si
7	5X/2Y Ø8/14.7	-342	-110585	SLU 46	15366	37388	50429	2.5	109.17	-673	-84369	SLU 15	15029	32833	55356	2.5	48.76	Si
36	5X/2Y Ø8/14.7	-342	-110413	SLU 46	15366	37388	50429	2.5	109.17	-673	-84237	SLU 15	15029	32833	55356	2.5	48.76	Si
66	5X/2Y Ø8/14.7	-342	-110241	SLU 46	15366	37388	50429	2.5	109.17	-673	-84105	SLU 15	15029	32833	55356	2.5	48.76	Si
95	5X/2Y Ø8/14.7	-342	-110069	SLU 46	15366	37388	50429	2.5	109.17	-673	-83972	SLU 15	15029	32833	55356	2.5	48.76	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
125	5X/2Y Ø8/14.7	-342	-109897	SLU 46	15366	37388	50429	2.5	109.17	-673	-83840	SLU 15	15029	32833	55356	2.5	48.76	Si
154	5X/2Y Ø8/14.7	-342	-109725	SLU 46	15366	37388	50429	2.5	109.17	-673	-83708	SLU 15	15029	32833	55356	2.5	48.76	Si
184	5X/2Y Ø8/14.7	-342	-109553	SLU 46	15366	37388	50429	2.5	109.17	-673	-83575	SLU 15	15029	32833	55356	2.5	48.76	Si
213	5X/2Y Ø8/14.7	-342	-109379	SLU 46	15366	37388	50429	2.5	109.17	-673	-83442	SLU 15	15029	32833	55356	2.5	48.76	Si
242	5X/2Y Ø8/10	-342	-109209	SLU 46	15366	51792	52691	2.35	151.23	-673	-83310	SLU 15	15029	48385	55356	2.5	71.86	Si
272	5X/2Y Ø8/10	-342	-109037	SLU 46	15366	51792	52691	2.35	151.23	-673	-83178	SLU 15	15029	48385	55356	2.5	71.86	Si
301	5X/2Y Ø8/10	-342	-108865	SLU 46	15366	51792	52691	2.35	151.23	-673	-83046	SLU 15	15029	48385	55356	2.5	71.86	Si
331	5X/2Y Ø8/10	-342	-108692	SLU 46	15366	51792	52691	2.35	151.23	-673	-82913	SLU 15	15029	48385	55356	2.5	71.86	Si
360	5X/2Y Ø8/10	-342	-108523	SLU 46	15366	51792	52691	2.35	151.23	-673	-82783	SLU 15	15029	48385	55356	2.5	71.86	Si
380	5X/2Y Ø8/10	-789	-88218	SLU 51	15366	51792	52691	2.35	65.62	-368	-88218	SLU 51	15029	48385	55356	2.5	131.47	Si
409	5X/2Y Ø8/10	-789	-88048	SLU 51	15366	51792	52691	2.35	65.62	-368	-88048	SLU 51	15029	48385	55356	2.5	131.47	Si
438	5X/2Y Ø8/10	-789	-87879	SLU 51	15366	51792	52691	2.35	65.62	-368	-87879	SLU 51	15029	48385	55356	2.5	131.47	Si
467	5X/2Y Ø8/14.4	-789	-87709	SLU 51	15366	38145	50429	2.5	48.33	-368	-87709	SLU 51	15029	33497	55356	2.5	91.02	Si
496	5X/2Y Ø8/14.4	-789	-87540	SLU 51	15366	38145	50429	2.5	48.33	-368	-87540	SLU 51	15029	33497	55356	2.5	91.02	Si
525	5X/2Y Ø8/14.4	-789	-87370	SLU 51	15366	38145	50429	2.5	48.33	-368	-87370	SLU 51	15029	33497	55356	2.5	91.02	Si
554	5X/2Y Ø8/14.4	-789	-87200	SLU 51	15366	38145	50429	2.5	48.33	-368	-87200	SLU 51	15029	33497	55356	2.5	91.02	Si
583	5X/2Y Ø8/14.4	-789	-87031	SLU 51	15366	38145	50429	2.5	48.33	-368	-87031	SLU 51	15029	33497	55356	2.5	91.02	Si
612	5X/2Y Ø8/10	-789	-86861	SLU 51	15366	51792	52691	2.35	65.62	-368	-86861	SLU 51	15029	48385	55356	2.5	131.47	Si
641	5X/2Y Ø8/10	-789	-86691	SLU 51	15366	51792	52691	2.35	65.62	-368	-86691	SLU 51	15029	48385	55356	2.5	131.47	Si
670	5X/2Y Ø8/10	-789	-86522	SLU 51	15366	51792	52691	2.35	65.62	-368	-86522	SLU 51	15029	48385	55356	2.5	131.47	Si
690	5X/2Y Ø8/10	-548	-54675	SLU 51	14373	49588	51000	2.25	90.49	-380	-50867	SLU 45	13419	48385	51476	2.5	127.32	Si
719	5X/2Y Ø8/10	-548	-54508	SLU 51	14353	49588	50977	2.25	90.49	-380	-50700	SLU 45	13396	48385	51453	2.5	127.32	Si
748	5X/2Y Ø8/10	-548	-54338	SLU 51	14332	49588	50953	2.25	90.49	-380	-50530	SLU 45	13373	48385	51429	2.5	127.32	Si
777	5X/2Y Ø8/14.4	-548	-54169	SLU 51	14310	38145	47320	2.5	69.61	-380	-50361	SLU 45	13349	33497	51405	2.5	88.14	Si
806	5X/2Y Ø8/14.4	-548	-53999	SLU 51	14289	38145	47298	2.5	69.61	-380	-50191	SLU 45	13326	33497	51381	2.5	88.14	Si
835	5X/2Y Ø8/14.4	-548	-53830	SLU 51	14268	38145	47276	2.5	69.61	-380	-50021	SLU 45	13303	33497	51357	2.5	88.14	Si
864	5X/2Y Ø8/14.4	-548	-53660	SLU 51	14247	38145	47254	2.5	69.61	-380	-49852	SLU 45	13280	33497	51333	2.5	88.14	Si
893	5X/2Y Ø8/14.4	-548	-53490	SLU 51	14226	38145	47233	2.5	69.61	-380	-49682	SLU 45	13257	33497	51309	2.5	88.14	Si
922	5X/2Y Ø8/10	-548	-53321	SLU 51	14205	49588	50812	2.25	90.49	-380	-49512	SLU 45	13234	48385	51285	2.5	127.32	Si
951	5X/2Y Ø8/10	-548	-53151	SLU 51	14184	49588	50789	2.25	90.49	-380	-49343	SLU 45	13210	48385	51261	2.5	127.32	Si
980	5X/2Y Ø8/10	-548	-52981	SLU 51	14163	49588	50765	2.25	90.49	-380	-49173	SLU 45	13187	48385	51237	2.5	127.32	Si
1000	4X/2Y Ø8/10	-2043	-24169	SLU 51	9314	38789	40129	2.2	18.99	275	-24093	SLU 52	8833	38743	40102	2.45	140.81	Si
1029	4X/2Y Ø8/10	-2043	-24030	SLU 51	9297	38789	40109	2.2	18.99	275	-23955	SLU 52	8814	38743	40083	2.45	140.81	Si
1058	4X/2Y Ø8/10	-2043	-23889	SLU 51	9280	38789	40089	2.2	18.99	275	-23813	SLU 52	8796	38743	40063	2.45	140.81	Si
1087	4X/2Y Ø8/14.4	-2043	-23747	SLU 51	9262	30516	36678	2.5	14.94	275	-23672	SLU 52	8777	27370	39465	2.5	99.47	Si
1116	4X/2Y Ø8/14.4	-2043	-23606	SLU 51	9244	30516	36660	2.5	14.94	275	-23530	SLU 52	8758	27370	39446	2.5	99.47	Si
1145	4X/2Y Ø8/14.4	-2043	-23465	SLU 51	9227	30516	36642	2.5	14.94	275	-23389	SLU 52	8739	27370	39426	2.5	99.47	Si
1174	4X/2Y Ø8/14.4	-2043	-23323	SLU 51	9209	30516	36623	2.5	14.94	275	-23248	SLU 52	8720	27370	39407	2.5	99.47	Si
1203	4X/2Y Ø8/14.4	-2043	-23182	SLU 51	9192	30516	36605	2.5	14.94	275	-23106	SLU 52	8701	27370	39387	2.5	99.47	Si
1232	4X/2Y Ø8/10	-2043	-23040	SLU 51	9174	38789	39970	2.2	18.99	275	-22965	SLU 52	8682	38743	39944	2.45	140.81	Si
1261	4X/2Y Ø8/10	-2043	-22899	SLU 51	9156	38789	39950	2.2	18.99	275	-22824	SLU 52	8663	38743	39924	2.45	140.81	Si
1290	4X/2Y Ø8/10	-2043	-22758	SLU 51	9139	38789	39930	2.2	18.99	275	-22682	SLU 52	8644	38743	39904	2.45	140.81	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-827	-78869	SLV 5	15366	51797	52691	2.35	62.61	3689	-75066	SLV 3	15029	48390	54898	2.5	13.12	Si
-111	5X/2Y Ø8/10	-827	-78739	SLV 5	15366	51797	52691	2.35	62.61	3689	-74936	SLV 3	15029	48390	54879	2.5	13.12	Si
-81	5X/2Y Ø8/10	-827	-78607	SLV 5	15366	51797	52691	2.35	62.61	3689	-74804	SLV 3	15029	48390	54861	2.5	13.12	Si
-52	5X/2Y Ø8/10	-827	-78474	SLV 5	15366	51797	52691	2.35	62.61	3689	-74671	SLV 3	15029	48390	54842	2.5	13.12	Si
-22	5X/2Y Ø8/14.7	-827	-78342	SLV 5	15366	37388	50429	2.5	45.19	3689	-74539	SLV 3	15029	32833	54823	2.5	8.9	Si
7	5X/2Y Ø8/14.7	-827	-78210	SLV 5	15366	37388	50416	2.5	45.19	3689	-74407	SLV 3	15029	32833	54804	2.5	8.9	Si
36	5X/2Y Ø8/14.7	-827	-78077	SLV 5	15366	37388	50399	2.5	45.19	3689	-74274	SLV 3	15029	32833	54786	2.5	8.9	Si
66	5X/2Y Ø8/14.7	-827	-77945	SLV 5	15366	37388	50382	2.5	45.19	3689	-74142	SLV 3	15029	32833	54767	2.5	8.9	Si
95	5X/2Y Ø8/14.7	-827	-77813	SLV 5	15366	37388	50365	2.5	45.19	3689	-74009	SLV 3	15029	32833	54748	2.5	8.9	Si
125	5X/2Y Ø8/14.7	-827	-77680	SLV 5	15366	37388	50348	2.5	45.19	3689	-73877	SLV 3	15029	32833	54730	2.5	8.9	Si
154	5X/2Y Ø8/14.7	-827	-77548	SLV 5	15366	37388	50331	2.5	45.19	3689	-73745	SLV 3	15029	32833	54711	2.5	8.9	Si
184	5X/2Y Ø8/14.7	-827	-77416	SLV 5	15366	37388	50314	2.5	45.19	3689	-73612	SLV 3	15029	32833	54692	2.5	8.9	Si
213	5X/2Y Ø8/14.7	-827	-77282	SLV 5	15366	37388	50297	2.5	45.19	3689	-73479	SLV 3	15029	32833	54673	2.5	8.9	Si
242	5X/2Y Ø8/10	-827	-77151	SLV 5	15366	51792	52535	2.35	62.6	3689	-73348	SLV 3	15029	48385	54655	2.5	13.12	Si
272	5X/2Y Ø8/10	-827	-77019	SLV 5	15366	51792	52517	2.35	62.6	3689	-73215	SLV 3	15029	48385	54636	2.5	13.12	Si
301	5X/2Y Ø8/10	-827	-76886	SLV 5	15366	51792	52499	2.35	62.6	3689	-73083	SLV 3	15029	48385	54617	2.5	13.12	Si
331	5X/2Y Ø8/10	-827	-76754	SLV 5	15366	51792	52481	2.35	62.6	3689	-72951	SLV 3	15029	48385	54599	2.5	13.12	Si
360	5X/2Y Ø8/10	-827	-76624	SLV 5	15366	51792	52464	2.35	62.6	3689	-72821	SLV 3	15029	48385	54580	2.5	13.12	Si
380	5X/2Y Ø8/10	-1263	-58340	SLV 5	14830	50690	50748	2.3	40.13	-1137	-52119	SLV 13	13590	48385	51654	2.5	42.55	Si
409	5X/2Y Ø8/10	-1263	-58209	SLV 5	14813	50690	50731	2.3	40.13	-1137	-51988	SLV 13	13572	48385	51635	2.5	42.55	Si
438	5X/2Y Ø8/10	-1263	-58079	SLV 5	14797	50690	50713	2.3	40.13	-1137	-51858	SLV 13	13554	48385	51617	2.5	42.55	Si
467	5X/2Y Ø8/14.4	-1263	-57948	SLV 5	14781	38145	47807	2.5	30.2	-1137	-51727	SLV 13	13536	33497	51598	2.5	29.46	Si
496	5X/2Y Ø8/14.4	-1263	-57818	SLV 5	14765	38145	47790	2.5	30.2	-1137	-51597	SLV 13	13518	33497	51580	2.5	29.46	Si
525	5X/2Y Ø8/14.4	-1263	-57687	SLV 5	14748	38145	47773	2.5	30.2	-1137	-51466	SLV 13	13501	33497	51561	2.5	29.46	Si
554	5X/2Y Ø8/14.4	-1263	-57557	SLV 5	14732	38145	47756	2.5	30.2	-1137	-51336	SLV 13	13483	33497	51543	2.5	29.46	Si
583	5X/2Y Ø8/14.4	-1263	-57426	SLV 5	14716	38145	47739	2.5	30.2	-1137	-51205	SLV 13	13465	33497	51524	2.5	29.46	Si
612	5X/2Y Ø8/10	-1263	-57296	SLV 5	14700	49588	51363	2.25	39.26	-1137	-51075	SLV 13	13447	48385	51506	2.5	42.55	Si
641	5X/2Y Ø8/10	-1263	-57165	SLV 5	14684	49588	51345	2.25	39.26	-1137	-50944	SLV 13	13429	48385	51487	2.5	42.55	Si
670	5X/2Y Ø8/10	-1263	-57035	SLV 5	14667	49588	51327	2.25	39.26	-1137	-50814	SLV 13	13411	48385	51469	2.5	42.55	Si
690	5X/2Y Ø8/10	-1099	-36256	SLV 5	12080	48486	49175	2.2	44.11	-1969	-31856	SLV 13	10821	48385	48789	2.5	24.57	Si
719	5X/2Y Ø8/10	-1099	-36128	SLV 5	12064	48486	49157	2.2	44.11	-1969	-31728	SLV 13	10803	48385	48771	2.5	24.57	Si
748	5X/2Y Ø8/10	-1099	-35997	SLV 5	12048	48486	49139	2.2	44.11	-1969	-31597	SLV 13	10785	48385	48752	2.5	24.57	Si
777	5X/2Y Ø8/14.4	-1099	-35867	SLV 5	12032	38145	44963	2.5	34.7	-1969	-31467	SLV 13	10767	33497	48734	2.5	17.01	Si
806	5X/2Y Ø8/14.4	-1099	-35736	SLV 5	12016	38145	44946	2.5	34.7	-1969	-31336	SLV 13	10750	33497	48715	2.5	17.01	Si
835	5X/2Y Ø8/14.4	-1099	-35606	SLV 5	11999	38145	44929	2.5	34.7	-1969	-31206	SLV 13	10732	33497	48697	2.5	17.01	Si
864	5X/2Y Ø8/14.4	-1099	-35475	SLV 5	11983	38145	44912	2.5	34.7	-1969	-31075	SLV 13	10714	33497	48678	2.5	17.01	Si
893	5X/2Y Ø8/14.4	-1099	-35345	SLV 5	11967	38145	44896	2.5	34.7	-1969	-30945	SLV 13	10696	33497	48660	2.5	17.01	Si
922	5X/2Y Ø8/10	-1099	-35214	SLV 5	11951	48486	49028	2.2	44.11	-1969	-30814	SLV 13	10678	48385	48642	2.5	24.57	Si
951	5X/2Y Ø8/10	-1099	-35084	SLV 5	11934	48486	49010	2.2	44.11	-1969	-30684	SLV 13	10660	48385	48623	2.5	24.57	Si
980	5X/2Y Ø8/10	-1099	-34953	SLV 5	11918	48486	48992	2.2	44.11	-1969	-30553	SLV 13	10643	48385	48605	2.5	24.57	Si
1000	4X/2Y Ø8/10	-2133	-16026	SLV 5	8301	38789	38983	2.2	18.19	1560	-14837	SLV 3	7593	38743	38800	2.45	24.84	Si
1029	4X/2Y Ø8/10	-2133	-15919	SLV 5	8287	38789	38968	2.2	18.19	1560	-14730	SLV 3	7578	38743	38785	2.45	24.84	Si
1058	4X/2Y Ø8/10	-2133	-15811	SLV 5	8274	38789	38953	2.2	18.19	1560	-14621	SLV 3	7564	38743	38770	2.45	24.84	Si
1087	4X/2Y Ø8/14.4	-2133	-15702	SLV 5	8260	30516	35642	2.5	14.31	1560	-14513	SLV 3	7549	27370	38196	2.5	17.55	Si
1116	4X/2Y Ø8/14.4	-2133	-15593	SLV 5	8247	30516	35628	2.5	14.31	1560	-14404	SLV 3	7535	27370	38181	2.5	17.55	Si
1145	4X/2Y Ø8/14.4	-2133	-15484	SLV 5	8233	30516	35614	2.5	14.31	1560	-14295	SLV 3	7520	27370	38166	2.5	17.55	Si
1174	4X/2Y Ø8/14.4	-2133	-15376	SLV 5	8220	30516	35600	2.5	14.31	1560	-14186	SLV 3	7506	27370	38151	2.5	17.55	Si
1203	4X/2Y Ø8/14.4	-2133	-15267	SLV 5	8206	30516	35586	2.5	14.31	1560	-14078	SLV 3	7491	27370	38135	2.5	17.55	Si
1232	4X/2Y Ø8/10	-2133	-15158	SLV 5	8193	38789	38861	2.2	18.19	1560	-13969	SLV 3	7476	37953	39248	2.4	24.33	Si
1261	4X/2Y Ø8/10	-2133	-15049	SLV 5	8179	38789	38846	2.2	18.19	1560	-13860	SLV 3	7462	37953	39233	2.4	24.33	Si
1290	4X/2Y Ø8/10	-2133	-14941	SLV 5	8165	38789	38830	2.2	18.19	1560	-13751	SLV 3	7447	37953	39217	2.4	24.33	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-430	-75170	SLD 5	16925	55104	50025	2.5	116.37	1471	-73687	SLD 3	16537	48390	54703	2.5	32.88	Si
-111	5X/2Y Ø8/10	-430	-75040	SLD 5	16909	55104	50008	2.5	116.33	1471	-73557	SLD 3	16520	48390	54684	2.5	32.88	Si
-81	5X/2Y Ø8/10	-430	-74908	SLD 5	16892	55104	49991	2.5	116.29	1471	-73425	SLD 3	16502	48390	54666	2.5	32.88	Si
-52	5X/2Y Ø8/10	-430	-74776	SLD 5	16876	55104	49974	2.5	116.25	1471	-73292	SLD 3	16483	48390	54647	2.5	32.88	Si
-22	5X/2Y Ø8/14.7	-430	-74643	SLD 5	16860	37388	49957	2.5	86.97	1471	-73160	SLD 3	16465	32833	54628	2.5	22.31	Si
7	5X/2Y Ø8/14.7	-430	-74511	SLD 5	16843	37388	49940	2.5	86.97	1471	-73028	SLD 3	16447	32833	54610	2.5	22.31	Si
36	5X/2Y Ø8/14.7	-430	-74379	SLD 5	16827	37388	49923	2.5	86.97	1471	-72895	SLD 3	16429	32833	54591	2.5	22.31	Si
66	5X/2Y Ø8/14.7	-430	-74246	SLD 5	16810	37388	49906	2.5	86.97	1471	-72763	SLD 3	16411	32833	54572	2.5	22.31	Si
95	5X/2Y Ø8/14.7	-430	-74114	SLD 5	16794	37388	49889	2.5	86.97	1471	-72631	SLD 3	16393	32833	54553	2.5	22.31	Si
125	5X/2Y Ø8/14.7	-430	-73981	SLD 5	16777	37388	49872	2.5	86.97	1471	-72498	SLD 3	16375	32833	54535	2.5	22.31	Si
154	5X/2Y Ø8/14.7	-430	-73849	SLD 5	16761	37388	49855	2.5	86.97	1471	-72366	SLD 3	16357	32833	54516	2.5	22.31	Si
184	5X/2Y Ø8/14.7	-430	-73717	SLD 5	16744	37388	49838	2.5	86.97	1471	-72234	SLD 3	16339	32833	54497	2.5	22.31	Si
213	5X/2Y Ø8/14.7	-430	-73583	SLD 5	16728	37388	49820	2.5	86.97	1471	-72100	SLD 3	16320	32833	54478	2.5	22.31	Si
242	5X/2Y Ø8/10	-430	-73452	SLD 5	16711	55098	49804	2.5	115.86	1471	-71969	SLD 3	16303	48385	54460	2.5	32.88	Si
272	5X/2Y Ø8/10	-430	-73320	SLD 5	16695	55098	49786	2.5	115.82	1471	-71836	SLD 3	16284	48385	54441	2.5	32.88	Si
301	5X/2Y Ø8/10	-430	-73187	SLD 5	16678	55098	49769	2.5	115.78	1471	-71704	SLD 3	16266	48385	54422	2.5	32.88	Si
331	5X/2Y Ø8/10	-430	-73055	SLD 5	16662	55098	49752	2.5	115.74	1471	-71572	SLD 3	16248	48385	54404	2.5	32.88	Si
360	5X/2Y Ø8/10	-430	-72925	SLD 5	16646	55098	49736	2.5	115.7	1471	-71442	SLD 3	16230	48385	54385	2.5	32.88	Si
380	5X/2Y Ø8/10	-808	-55508	SLD 5	14477	55098	47492	2.5	58.77	-577	-53079	SLD 13	13721	48385	51789	2.5	83.8	Si
409	5X/2Y Ø8/10	-808	-55378	SLD 5	14461	55098	47476	2.5	58.75	-577	-52948	SLD 13	13703	48385	51771	2.5	83.8	Si
438	5X/2Y Ø8/10	-808	-55247	SLD 5	14445	55098	47459	2.5	58.73	-577	-52818	SLD 13	13685	48385	51752	2.5	83.8	Si
467	5X/2Y Ø8/14.4	-808	-55117	SLD 5	14428	38145	47442	2.5	47.2	-577	-52687	SLD 13	13667	33497	51734	2.5	58.02	Si
496	5X/2Y Ø8/14.4	-808	-54986	SLD 5	14412	38145	47425	2.5	47.2	-577	-52557	SLD 13	13650	33497	51715	2.5	58.02	Si
525	5X/2Y Ø8/14.4	-808	-54856	SLD 5	14396	38145	47408	2.5	47.2	-577	-52426	SLD 13	13632	33497	51697	2.5	58.02	Si
554	5X/2Y Ø8/14.4	-808	-54725	SLD 5	14380	38145	47392	2.5	47.2	-577	-52296	SLD 13	13614	33497	51679	2.5	58.02	Si
583	5X/2Y Ø8/14.4	-808	-54595	SLD 5	14363	38145	47375	2.5	47.2	-577	-52165	SLD 13	13596	33497	51660	2.5	58.02	Si
612	5X/2Y Ø8/10	-808	-54464	SLD 5	14347	55098	47358	2.5	58.6	-577	-52035	SLD 13	13578	48385	51642	2.5	83.8	Si
641	5X/2Y Ø8/10	-808	-54334	SLD 5	14331	55098	47341	2.5	58.58	-577	-51904	SLD 13	13560	48385	51623	2.5	83.8	Si
670	5X/2Y Ø8/10	-808	-54203	SLD 5	14315	55098	47324	2.5	58.56	-577	-51774	SLD 13	13543	48385	51605	2.5	83.8	Si
690	5X/2Y Ø8/10	-660	-34276	SLD 5	11834	55098	44758	2.5	67.87	-906	-32554	SLD 13	10916	48385	48888	2.5	53.38	Si
719	5X/2Y Ø8/10	-660	-34148	SLD 5	11818	55098	44741	2.5	67.84	-906	-32426	SLD 13	10898	48385	48869	2.5	53.38	Si
748	5X/2Y Ø8/10	-660	-34018	SLD 5	11802	55098	44725	2.5	67.81	-906	-32295	SLD 13	10881	48385	48851	2.5	53.38	Si
777	5X/2Y Ø8/14.4	-660	-33887	SLD 5	11785	38145	44708	2.5	57.84	-906	-32165	SLD 13	10863	33497	48833	2.5	36.95	Si
806	5X/2Y Ø8/14.4	-660	-33757	SLD 5	11769	38145	44691	2.5	57.84	-906	-32034	SLD 13	10845	33497	48814	2.5	36.95	Si
835	5X/2Y Ø8/14.4	-660	-33626	SLD 5	11753	38145	44674	2.5	57.84	-906	-31904	SLD 13	10827	33497	48796	2.5	36.95	Si
864	5X/2Y Ø8/14.4	-660	-33496	SLD 5	11737	38145	44657	2.5	57.84	-906	-31773	SLD 13	10809	33497	48777	2.5	36.95	Si
893	5X/2Y Ø8/14.4	-660	-33365	SLD 5	11720	38145	44641	2.5	57.84	-906	-31643	SLD 13	10791	33497	48759	2.5	36.95	Si
922	5X/2Y Ø8/10	-660	-33235	SLD 5	11704	55098	44624	2.5	67.66	-906	-31512	SLD 13	10774	48385	48740	2.5	53.38	Si
951	5X/2Y Ø8/10	-660	-33104	SLD 5	11688	55098	44607	2.5	67.64	-906	-31382	SLD 13	10756	48385	48722	2.5	53.38	Si
980	5X/2Y Ø8/10	-660	-32974	SLD 5	11672	55098	44590	2.5	67.61	-906	-31251	SLD 13	10738	48385	48703	2.5	53.38	Si
1000	4X/2Y Ø8/10	-1556	-14936	SLD 5	8165	44078	35543	2.5	22.85	713	-14469	SLD 3	7543	39534	38190	2.5	53.54	Si
1029	4X/2Y Ø8/10	-1556	-14829	SLD 5	8152	44078	35529	2.5	22.84	713	-14362	SLD 3	7529	39534	38175	2.5	53.51	Si
1058	4X/2Y Ø8/10	-1556	-14720	SLD 5	8138	44078	35515	2.5	22.83	713	-14254	SLD 3	7515	39534	38160	2.5	53.49	Si
1087	4X/2Y Ø8/14.4	-1556	-14611	SLD 5	8124	30516	35501	2.5	19.62	713	-14145	SLD 3	7500	27370	38145	2.5	38.37	Si
1116	4X/2Y Ø8/14.4	-1556	-14502	SLD 5	8111	30516	35487	2.5	19.62	713	-14036	SLD 3	7485	27370	38130	2.5	38.37	Si
1145	4X/2Y Ø8/14.4	-1556	-14394	SLD 5	8097	30516	35473	2.5	19.62	713	-13927	SLD 3	7471	27370	38115	2.5	38.37	Si
1174	4X/2Y Ø8/14.4	-1556	-14285	SLD 5	8084	30516	35459	2.5	19.62	713	-13819	SLD 3	7456	27370	38100	2.5	38.37	Si
1203	4X/2Y Ø8/14.4	-1556	-14176	SLD 5	8070	30516	35445	2.5	19.62	713	-13710	SLD 3	7442	27370	38084	2.5	38.37	Si
1232	4X/2Y Ø8/10	-1556	-14067	SLD 5	8057	44078	35431	2.5	22.78	713	-13601	SLD 3	7427	39534	38069	2.5	53.37	Si
1261	4X/2Y Ø8/10	-1556	-13959	SLD 5	8043	44078	35417	2.5	22.77	713	-13492	SLD 3	7413	39534	38054	2.5	53.35	Si
1290	4X/2Y Ø8/10	-1556	-13850	SLD 5	8030	44078	35403	2.5	22.76	713	-13384	SLD 3	7398	39534	38039	2.5	53.32	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	123346	61616	-78748	SLE RA 7	-50.4	72193	61905	-83518	SLE RA 13	-713.4	Si
-111	67421	55056	-83388	SLE RA 13	-48.5	67421	55056	-83388	SLE RA 13	-691.5	Si
-81	62566	48089	-83256	SLE RA 13	-47	62566	48089	-83256	SLE RA 13	-673.3	Si
-52	57711	41123	-83123	SLE RA 13	-46	57711	41123	-83123	SLE RA 13	-663.4	Si
-22	52856	34156	-82991	SLE RA 13	-45.1	52856	34156	-82991	SLE RA 13	-653.4	Si
7	48001	27189	-82858	SLE RA 13	-44.2	48001	27189	-82858	SLE RA 13	-643.5	Si
36	43146	20222	-82726	SLE RA 13	-43.3	43146	20222	-82726	SLE RA 13	-633.5	Si
66	38291	13255	-82594	SLE RA 13	-42.3	38291	13255	-82594	SLE RA 13	-623.6	Si
95	33436	6288	-82461	SLE RA 13	-41.4	33436	6288	-82461	SLE RA 13	-613.7	Si
125	28581	-678	-82329	SLE RA 13	-40.6	28581	-678	-82329	SLE RA 13	-604.9	Si
154	27554	-5109	-82414	SLE RA 12	-41	27554	-5109	-82414	SLE RA 12	-608.8	Si
184	30295	-11183	-82281	SLE RA 12	-41.6	30295	-11183	-82281	SLE RA 12	-614.9	Si
213	33062	-17315	-82148	SLE RA 12	-42.2	33062	-17315	-82148	SLE RA 12	-620.9	Si
242	35776	-23330	-82017	SLE RA 12	-42.9	35776	-23330	-82017	SLE RA 12	-626.9	Si
272	38517	-29404	-81884	SLE RA 12	-43.5	38517	-29404	-81884	SLE RA 12	-632.9	Si
301	41258	-35478	-81752	SLE RA 12	-44.1	41258	-35478	-81752	SLE RA 12	-639	Si
331	43999	-41551	-81620	SLE RA 12	-44.7	43999	-41551	-81620	SLE RA 12	-645	Si
360	46693	-47522	-81490	SLE RA 12	-45.3	46693	-47522	-81490	SLE RA 12	-650.9	Si
380	-142599	77266	-61873	SLE RA 13	-43.3	-142599	77266	-61873	SLE RA 13	-593.2	Si
409	-144630	62688	-61743	SLE RA 13	-42	-144630	62688	-61743	SLE RA 13	-580.6	Si
438	-146662	48110	-61612	SLE RA 13	-40.7	-146662	48110	-61612	SLE RA 13	-568	Si
467	-148693	33532	-61482	SLE RA 13	-39.4	-148693	33532	-61482	SLE RA 13	-555.3	Si
496	-150724	18954	-61351	SLE RA 13	-38.1	-150724	18954	-61351	SLE RA 13	-542.7	Si
525	-152755	4375	-61221	SLE RA 13	-36.8	-152755	4375	-61221	SLE RA 13	-530.1	Si
554	-154787	-10203	-61090	SLE RA 13	-37.3	-154787	-10203	-61090	SLE RA 13	-535.5	Si
583	-156818	-24781	-60960	SLE RA 13	-38.7	-156818	-24781	-60960	SLE RA 13	-548.6	Si
612	-153121	-42886	-60966	SLE RA 12	-40.2	-153121	-42886	-60966	SLE RA 12	-562.5	Si
641	-160469	-59414	-60836	SLE RA 12	-42	-160469	-59414	-60836	SLE RA 12	-580.5	Si
670	-167817	-75942	-60705	SLE RA 12	-43.8	-167817	-75942	-60705	SLE RA 12	-598.5	Si
690	147222	69484	-38363	SLE RA 13	-31.6	147222	69484	-38363	SLE RA 13	-421.2	Si
719	140011	58312	-38235	SLE RA 13	-30.2	140011	58312	-38235	SLE RA 13	-406.2	Si
748	132674	46944	-38104	SLE RA 13	-28.7	132674	46944	-38104	SLE RA 13	-391	Si
777	125337	35576	-37974	SLE RA 13	-27.3	125337	35576	-37974	SLE RA 13	-375.7	Si
806	118000	24208	-37843	SLE RA 13	-25.8	118000	24208	-37843	SLE RA 13	-360.4	Si
835	110663	12840	-37713	SLE RA 13	-24.4	110663	12840	-37713	SLE RA 13	-345.2	Si
864	103326	1472	-37582	SLE RA 13	-22.9	103326	1472	-37582	SLE RA 13	-329.9	Si
893	94218	-11919	-37540	SLE RA 12	-23.4	94218	-11919	-37540	SLE RA 12	-333.5	Si
922	87327	-23550	-37410	SLE RA 12	-24.1	87327	-23550	-37410	SLE RA 12	-338.8	Si
951	80436	-35180	-37279	SLE RA 12	-24.7	80436	-35180	-37279	SLE RA 12	-343.5	Si
980	73545	-46811	-37149	SLE RA 12	-24.1	73545	-46811	-37149	SLE RA 12	-331.6	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1000	-85289	148663	-16946	SLE RA 12	-30.9	-85289	148663	-16946	SLE RA 12	-361	Si
1029	-79657	107479	-16839	SLE RA 12	-26.6	-79657	107479	-16839	SLE RA 12	-319.6	Si
1058	-73926	65573	-16730	SLE RA 12	-21.9	-73926	65573	-16730	SLE RA 12	-274	Si
1087	-68195	23666	-16622	SLE RA 12	-16.8	-68195	23666	-16622	SLE RA 12	-223.6	Si
1116	-62464	-18241	-16513	SLE RA 12	-15.8	-62464	-18241	-16513	SLE RA 12	-212.2	Si
1145	-56733	-60147	-16404	SLE RA 12	-20	-56733	-60147	-16404	SLE RA 12	-251.5	Si
1174	-51002	-102054	-16295	SLE RA 12	-24.1	-51002	-102054	-16295	SLE RA 12	-290.7	Si
1203	-45271	-143961	-16187	SLE RA 12	-28.3	-45271	-143961	-16187	SLE RA 12	-330	Si
1232	-39540	-185867	-16078	SLE RA 12	-39.2	-39540	-185867	-16078	SLE RA 12	-411.3	Si
1261	-33809	-227774	-15969	SLE RA 12	-47.2	-33809	-227774	-15969	SLE RA 12	474	Si
1290	-28078	-269681	-15860	SLE RA 12	-48.7	-28078	-269681	-15860	SLE RA 12	532.5	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	10722	43424	-72805	SLE QP 2	-40.3	Si
-111	11649	38488	-72675	SLE QP 2	-39.1	Si
-81	12592	33467	-72543	SLE QP 2	-38.2	Si
-52	13535	28446	-72411	SLE QP 2	-37.7	Si
-22	14478	23425	-72278	SLE QP 2	-37.2	Si
7	15421	18405	-72146	SLE QP 2	-36.7	Si
36	16364	13384	-72014	SLE QP 2	-36.3	Si
66	17307	8363	-71881	SLE QP 2	-35.8	Si
95	18250	3342	-71749	SLE QP 2	-35.3	Si
125	19193	-1679	-71616	SLE QP 2	-35.1	Si
154	20136	-6700	-71484	SLE QP 2	-35.6	Si
184	21079	-11721	-71352	SLE QP 2	-36	Si
213	22032	-16790	-71218	SLE QP 2	-36.5	Si
242	22966	-21763	-71087	SLE QP 2	-36.9	Si
272	23909	-26784	-70955	SLE QP 2	-37.3	Si
301	24852	-31805	-70822	SLE QP 2	-37.8	Si
331	25795	-36825	-70690	SLE QP 2	-38.2	Si
360	26722	-41761	-70560	SLE QP 2	-38.7	Si
380	-75703	82379	-53694	SLE QP 2	-36.7	Si
409	-81927	67394	-53563	SLE QP 2	-35.5	Si
438	-88152	52409	-53433	SLE QP 2	-34.4	Si
467	-94377	37424	-53302	SLE QP 2	-33.3	Si
496	-100601	22438	-53172	SLE QP 2	-32.1	Si
525	-106826	7453	-53041	SLE QP 2	-31	Si
554	-113051	-7532	-52911	SLE QP 2	-31.2	Si
583	-119275	-22517	-52780	SLE QP 2	-32.8	Si
612	-125500	-37502	-52650	SLE QP 2	-34.4	Si
641	-131724	-52488	-52519	SLE QP 2	-36	Si
670	-137949	-67473	-52389	SLE QP 2	-37.6	Si
690	116844	61892	-33003	SLE QP 2	-26.9	Si
719	110538	51146	-32875	SLE QP 2	-25.6	Si
748	104122	40212	-32744	SLE QP 2	-24.2	Si
777	97706	29278	-32614	SLE QP 2	-22.8	Si
806	91289	18344	-32483	SLE QP 2	-21.5	Si
835	84873	7409	-32353	SLE QP 2	-20.1	Si
864	78456	-3525	-32222	SLE QP 2	-19.4	Si
893	72040	-14459	-32092	SLE QP 2	-20	Si
922	65623	-25393	-31961	SLE QP 2	-20.6	Si
951	59207	-36327	-31831	SLE QP 2	-21.2	Si
980	52790	-47262	-31700	SLE QP 2	-20.7	Si
1000	-65035	124883	-14229	SLE QP 2	-25.5	Si
1029	-60998	91232	-14123	SLE QP 2	-22	Si
1058	-56890	56991	-14014	SLE QP 2	-18.3	Si
1087	-52782	22750	-13905	SLE QP 2	-14.1	Si
1116	-48674	-11491	-13796	SLE QP 2	-12.5	Si
1145	-44566	-45733	-13688	SLE QP 2	-16	Si
1174	-40458	-79974	-13579	SLE QP 2	-19.4	Si
1203	-36350	-114215	-13470	SLE QP 2	-22.9	Si
1232	-32242	-148456	-13361	SLE QP 2	-26.3	Si
1261	-28134	-182698	-13253	SLE QP 2	-37.9	Si
1290	-24026	-216939	-13144	SLE QP 2	-39.3	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

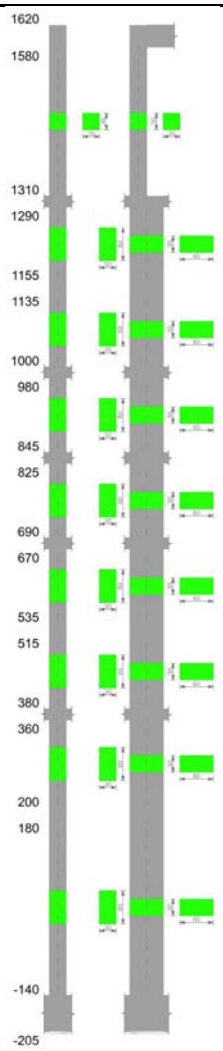
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.

Pilastro 68

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	180	R 30x60	No	No	No	No		C30/37	B450C	
200	360	R 30x60	No	No	No	No		C30/37	B450C	
380	515	R 30x60	No	No	No	No		C30/37	B450C	
535	670	R 30x60	No	No	No	No		C30/37	B450C	
690	825	R 30x60	No	No	No	No		C30/37	B450C	
845	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1135	R 30x60	No	No	No	No		C30/37	B450C	
1155	1290	R 30x60	No	No	No	No		C30/37	B450C	
1310	1580	R 30x30 1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-17.13	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	8.57	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	17.13	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-17.13	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	8.57	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	17.13	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-17.13	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-8.57	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	8.57	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	17.13	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-17.13	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-8.57	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	8.57	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	17.13	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-17.13	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-8.57	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	8.57	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	17.13	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-17.13	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-8.57	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	8.57	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	17.13	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	-17.13	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	-8.57	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	8.57	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	17.13	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	-17.13	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	-8.57	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	8.57	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	17.13	1.6	2.011	690	1000	R 30x60	B450C
p.5	-9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.6	9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.6	-9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	-17.13	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	-8.57	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	-17.13	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	-8.57	1.6	2.011	1000	1310	R 30x60	B450C
p.8	-9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.8	-9.9	8.57	1.6	2.011	1000	1310	R 30x60	B450C
p.8	-9.9	17.13	1.6	2.011	1000	1310	R 30x60	B450C
p.8	9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.8	9.9	8.57	1.6	2.011	1000	1310	R 30x60	B450C
p.8	9.9	17.13	1.6	2.011	1000	1310	R 30x60	B450C
p.9	-9.67	-24.67	1.6	2.011	1310	1620	R 30x30_1	B450C
p.9	9.67	-24.67	1.6	2.011	1310	1620	R 30x30_1	B450C
p.9	9.67	-5.33	1.6	2.011	1310	1620	R 30x30_1	B450C
p.9	-9.67	-5.33	1.6	2.011	1310	1620	R 30x30_1	B450C
p.10	-9.9	-15	1.6	2.011	1310	1620	R 30x30_1	B450C
p.10	9.9	-15	1.6	2.011	1310	1620	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	28.15	3.1	0	1,2	462528	187933	-93967	1568719	637398	SLU 52	3.392	Si
-111	28.15	3.1	0	1,2	397634	-187599	-93799	1385580	-653698	SLU 52	3.485	Si
-82	28.15	1.6	0	2	331606	-187258	-93629	1186858	-670219	SLU 52	3.579	Si
-53	28.15	1.6	0	2	244216	188913	-94456	891508	689624	SLU 51	3.65	Si
-24	28.15	1.6	0	2	188573	-188573	-94286	699019	-699019	SLU 51	3.707	Si
5	28.15	1.6	0	2	188232	-188232	-94116	699019	-699019	SLU 51	3.714	Si
35	28.15	1.6	0	2	187892	-187892	-93946	699019	-699019	SLU 51	3.72	Si
64	28.15	1.6	0	2	187552	-187552	-93776	699019	-699019	SLU 51	3.727	Si
93	28.15	1.6	0	2	-187211	-187211	-93606	-699019	-699019	SLU 51	3.734	Si
122	28.15	1.6	0	2	-186871	-186871	-93435	-699019	-699019	SLU 51	3.741	Si
151	28.15	1.6	0	2	-186530	-186530	-93265	-699019	-699019	SLU 51	3.747	Si
180	28.15	1.6	0	2	-229739	-186196	-93098	-853586	-691802	SLU 51	3.715	Si
200	28.15	1.6	0	2	173895	173895	-86948	699019	699019	SLU 51	4.02	Si
232	28.15	1.6	0	2	173527	173527	-86763	699019	699019	SLU 51	4.028	Si
264	28.15	1.6	0	2	173152	173152	-86576	699019	699019	SLU 51	4.037	Si
296	28.15	1.6	0	2	198603	172778	-86389	798761	694894	SLU 51	4.022	Si
328	28.15	1.6	0	2	212351	209093	-85629	829432	816705	SLU 52	3.906	Si
360	28.15	1.6	0	2	268998	248866	-85444	999181	924405	SLU 52	3.714	Si
380	28.15	3.1	0	2,3	-132286	-170846	-66143	-667753	-862392	SLU 51	5.048	Si
414	28.15	3.1	0	2,3	-131892	-155515	-65946	-679890	-801666	SLU 51	5.155	Si
448	28.15	1.6	0	3	-155727	-140184	-65748	-813379	-732195	SLU 51	5.223	Si
481	28.15	1.6	0	3	-192804	-131102	-65551	-1004304	-682900	SLU 51	5.209	Si
515	28.15	1.6	0	3	-229332	-130713	-65356	-1177152	-670943	SLU 51	5.133	Si
535	28.15	1.6	0	3	117821	135500	-58910	682930	785404	SLU 52	5.796	Si
569	28.15	1.6	0	3	118189	118189	-59094	699019	699019	SLU 51	5.914	Si
603	28.15	1.6	0	3	117794	117794	-58897	699019	699019	SLU 51	5.934	Si
636	28.15	1.6	0	3	117399	117399	-58699	699019	699019	SLU 51	5.954	Si
670	28.15	1.6	0	3	117004	117004	-58502	699019	699019	SLU 51	5.974	Si
690	28.15	3.1	0	3,4	98486	-98486	-49243	699019	-699019	SLU 51	7.098	Si
724	28.15	3.1	0	3,4	98097	-98097	-49048	699019	-699019	SLU 51	7.126	Si
758	28.15	1.6	0	4	-97702	-97702	-48851	-699019	-699019	SLU 51	7.155	Si
791	28.15	1.6	0	4	-97307	-107813	-48654	-687366	-761577	SLU 51	7.064	Si
825	28.15	1.6	0	4	-99062	-127390	-48456	-679675	-874037	SLU 51	6.861	Si
845	28.15	1.6	0	4	238493	118693	-41650	1673397	832817	SLU 52	7.017	Si
879	28.15	1.6	0	4	241042	121290	-41456	1684598	847673	SLU 52	6.989	Si
913	28.15	1.6	0	4	243629	123925	-41258	1695885	862637	SLU 52	6.961	Si
946	28.15	1.6	0	4	248252	125013	-41253	1717843	865060	SLU 51	6.92	Si
980	28.15	1.6	0	4	257196	128504	-41055	1760099	879404	SLU 51	6.843	Si
1000	28.15	3.1	0	4,5,6,8	-173701	-88906	-21443	-1977173	-1011985	SLU 52	11.383	Si
1034	28.15	3.1	0	4,5,6,8	-186088	-102548	-21248	-1989806	-1096529	SLU 52	10.693	Si
1068	28.15	1.6	0	5,6,8	-202811	-114635	-21236	-2026666	-1145539	SLU 51	9.993	Si
1101	28.15	1.6	0	5,6,8	-222802	-127014	-21038	-2075793	-1183362	SLU 51	9.317	Si
1135	28.15	1.6	0	5,6,8	-242793	-139393	-20841	-2112633	-1212911	SLU 51	8.701	Si
1155	28.15	1.6	0	5,6,8	85844	107165	-14341	1235868	1542820	SLU 51	14.397	Si
1189	28.15	1.6	0	5,6,8	91204	104859	-14146	1318525	1515923	SLU 51	14.457	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1223	28.15	1.6	0	5,6,8	100982	101170	-13901	1463726	1466448	SLU 52	14.495	Si
1256	28.15	1.6	0	5,6,8	102458	101411	-13704	1483719	1468563	SLU 52	14.481	Si
1290	42.72	3.4	0	5,6,7,8	103933	101652	-13506	1742138	1703906	SLU 52	16.762	Si
1310	28.15	4.5	0	5,7,9,10	131340	-37221	-4528	977160	-276924	SLU 51	7.44	Si
1340	18.63	4.5	0	5,7,9,10	90926	-33436	-4442	819517	-301362	SLU 51	9.013	Si
1370	12.06	1.3	0	9,10	49827	-29587	-4354	655251	-389086	SLU 51	13.151	Si
1400	12.06	1.3	0	9,10	8727	-25738	-4267	237108	-699248	SLU 51	27.168	Si
1430	12.06	1.3	0	9,10	-33127	-20524	-4406	-637521	-394975	SLU 47	19.244	Si
1460	12.06	1.3	0	9,10	-73471	-18039	-4091	-745252	-182976	SLU 51	10.143	Si
1490	12.06	1.3	0	9,10	-114571	-14190	-4003	-707117	-87576	SLU 51	6.172	Si
1520	12.06	1.3	0	9,10	-155670	-10340	-3916	-673096	-44709	SLU 51	4.324	Si
1550	12.06	1.3	0	9,10	-196769	-7656	-3828	-640250	-24911	SLU 51	3.254	Si
1580	12.06	1.3	0	9,10	-237869	-7480	-3740	-617305	-19413	SLU 51	2.595	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	28.15	3.1	0	1,2	1094360	264561	-76756	-2.02	1.92	2259883	546325	SLV 1	2.065				Si
-111	28.15	3.1	0	1,2	962330	238771	-76627	-2.02	1.92	2200109	545885	SLV 1	2.286				Si
-82	28.15	1.6	0	2	828005	212487	-76496	-2.02	1.92	2103972	539933	SLV 1	2.541				Si
-53	28.15	1.6	0	2	693699	186151	-76365	-2.02	1.92	1961107	526254	SLV 1	2.827				Si
-24	28.15	1.6	0	2	559428	159742	-76235	-2.02	1.92	1758491	502128	SLV 1	3.143				Si
5	28.15	1.6	0	2	425217	133240	-76104	-2.02	1.92	1485052	465335	SLV 1	3.492				Si
35	28.15	1.6	0	2	291144	106611	-75973	-2.02	1.92	1134484	415425	SLV 1	3.897				Si
64	28.15	1.6	0	2	175082	-68117	-77172	-2.02	1.92	761881	-296414	SLV 5	4.352				Si
93	28.15	1.6	0	2	19210	-72012	-77041	-2.02	1.92	89951	-337193	SLV 5	4.682				Si
122	28.15	1.6	0	2	-124794	-78027	-76910	-2.02	1.92	-557223	-348401	SLV 5	4.465				Si
151	28.15	1.6	0	2	-284290	-86711	-76779	-2.02	1.92	-1128298	-344141	SLV 5	3.969				Si
180	28.15	1.6	0	2	-453013	-97495	-76651	-2.02	1.92	-1602320	-344844	SLV 5	3.537				Si
200	28.15	1.6	0	2	37686	393194	-66092	-2.02	1.92	130011	1356451	SLV 1	3.45				Si
232	28.15	1.6	0	2	78385	288535	-65951	-2.02	1.92	305185	1123384	SLV 1	3.893				Si
264	28.15	1.6	0	2	153138	182441	-65807	-2.02	1.92	656401	782007	SLV 1	4.286				Si
296	28.15	1.6	0	2	231960	103615	-67424	-2.02	1.92	1026541	458548	SLV 5	4.426				Si
328	28.15	1.6	0	2	318378	130056	-67280	-2.02	1.92	1288731	526441	SLV 5	4.048				Si
360	28.15	1.6	0	2	339773	287188	-61334	-2.02	1.92	1170538	989380	SLV 9	3.445				Si
380	28.15	3.1	0	2,3	270773	-71386	-55547	-2.02	1.92	1385377	-365238	SLV 5	5.116				Si
414	28.15	3.1	0	2,3	97931	-129094	-55395	-2.02	1.92	530939	-699893	SLV 5	5.422				Si
448	28.15	1.6	0	3	-108873	-168961	-54078	-2.02	1.92	-557911	-865827	SLV 1	5.124				Si
481	28.15	1.6	0	3	-257508	-209862	-53926	-2.02	1.92	-1111429	-905785	SLV 1	4.316				Si
515	28.15	1.6	0	3	-409249	-251104	-53777	-2.02	1.92	-1475511	-905334	SLV 1	3.605				Si
535	28.15	1.6	0	3	-28581	198117	-45909	-2.02	1.92	-163746	1135062	SLV 5	5.729				Si
569	28.15	1.6	0	3	70503	148641	-45759	-2.02	1.92	430158	906895	SLV 5	6.101				Si
603	28.15	1.6	0	3	118189	103443	-45608	-2.02	1.92	755082	660872	SLV 5	6.389				Si
636	28.15	1.6	0	3	160703	84675	-45456	-2.02	1.92	1021912	538453	SLV 5	6.359				Si
670	28.15	1.6	0	3	206424	97886	-45304	-2.02	1.92	1228781	582685	SLV 5	5.953				Si
690	28.15	3.1	0	3,4	276308	91973	-38897	-2.02	1.92	1686323	561317	SLV 1	6.103				Si
724	28.15	3.1	0	3,4	142912	-60915	-39573	-2.02	1.92	1068492	-455435	SLV 5	7.477				Si
758	28.15	1.6	0	4	-63223	-90112	-39421	-2.02	1.92	-487095	-694263	SLV 5	7.704				Si
791	28.15	1.6	0	4	-206658	-159263	-38444	-2.02	1.92	-1195372	-921222	SLV 1	5.784				Si
825	28.15	1.6	0	4	-364876	-239162	-38292	-2.02	1.92	-1506961	-987753	SLV 1	4.13				Si
845	28.15	1.6	0	4	50266	212884	-28958	-2.02	1.92	335705	1421745	SLV 1	6.678				Si
879	28.15	1.6	0	4	78277	153577	-28808	-2.02	1.92	607208	1191321	SLV 1	7.757				Si
913	28.15	1.6	0	4	200799	101972	-27981	-2.02	1.92	1538665	781381	SLV 9	7.663				Si
946	28.15	1.6	0	4	242592	128185	-27829	-2.02	1.92	1620821	856439	SLV 9	6.681				Si
980	28.15	1.6	0	4	292624	182444	-27677	-2.02	1.92	1563261	974656	SLV 9	5.342				Si
1000	28.15	3.1	0	4,5,6,8	-315677	-116373	-7758	-2.02	1.92	-1856938	-684553	SLV 11	5.882				Si
1034	28.15	3.1	0	4,5,6,8	-171876	-78550	-8085	-2.02	1.92	-1824878	-834000	SLV 15	10.617				Si
1068	28.15	1.6	0	5,6,8	-215926	-123702	-17522	-2.02	1.92	-1647964	-944102	SLV 5	7.632				Si
1101	28.15	1.6	0	5,6,8	-347690	-187995	-16893	-2.02	1.92	-1684039	-910554	SLV 1	4.844				Si
1135	28.15	1.6	0	5,6,8	-493974	-254391	-16742	-2.02	1.92	-1693210	-871983	SLV 1	3.428				Si
1155	28.15	1.6	0	5,6,8	146564	178769	-7635	-2.02	1.92	1020521	1244760	SLV 7	6.963				Si
1189	28.15	1.6	0	5,6,8	-78746	124404	-8675	-2.02	1.92	-851041	1344488	SLV 5	10.807				Si
1223	28.15	1.6	0	5,6,8	142865	80658	-8888	-2.02	1.92	1663111	938949	SLV 15	11.641				Si
1256	28.15	1.6	0	5,6,8	94718	145079	-9093	-2.02	1.92	871251	1334493	SLV 13	9.198				Si
1290	42.72	3.4	0	5,6,7,8	92642	206924	-8941	-2.02	1.92	777249	1736060	SLV 13	8.39				Si
1310	28.15	4.5	0	5,7,9,10	134970	22865	-2862	-2.02	1.92	788964	133654	SLV 5	5.845				Si
1340	18.63	4.5	0	5,7,9,10	94894	20603	-2795	-2.02	1.92	681392	147938	SLV 5	7.181				Si
1370	12.06	1.3	0	9,10	50688	25269	-2444	-2.02	1.92	502819	250664	SLV 1	9.92				Si
1400	12.06	1.3	0	9,10	-5056	-52189	-2539	-2.02	1.92	-72763	-751049	SLV 15	14.391				Si
1430	12.06	1.3	0	9,10	-20398	-44466	-2472	-2.02	1.92	-255140	-556181	SLV 15	12.508				Si
1460	12.06	1.3	0	9,10	-61982	-27437	-2554	-2.02	1.92	-493724	-218548	SLV 13	7.966				Si
1490	12.06	1.3	0	9,10	-110357	9111	-2458	-2.02	1.92	-494138	40794	SLV 5	4.478				Si
1520	12.06	1.3	0	9,10	-151119	6819	-2390	-2.02	1.92	-469937	21204	SLV 5	3.11				Si
1550	12.06	1.3	0	9,10	-191933	4537	-2323	-2.02	1.92	-456698	10796	SLV 5	2.379				Si
1580	12.06	1.3	0	9,10	-232771	2304	-2255	-2.02	1.92	-448296	4437	SLV 5	1.926				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	28.15	3.1	0	1,2	573132	116352	-65121	2017456	409564	SLD 1	3.52	Si
-111	28.15	3.1	0	1,2	501158	102748	-64992	1885177	386500	SLD 1	3.762	Si
-82	28.15	1.6	0	2	427931	88891	-64862	1721727	357641	SLD 1	4.023	Si
-53	28.15	1.6	0	2	354712	75014	-64731	1527644	323065	SLD 1	4.307	Si
-24	28.15	1.6	0	2	281510	61111	-64600	1303670	283006	SLD 1	4.631	Si
5	28.15	1.6	0	2	233289	-30443	-64989	1161220	-151531	SLD 5	4.978	Si
35	28.15	1.6	0	2	151161	-34416	-64858	805653	-183429	SLD 5	5.33	Si
64	28.15	1.6	0	2	69216	-38826	-64727	385756	-216387	SLD 5	5.573	Si
93	28.15	1.6	0	2	-12360	-43874	-64596	-69024	-245017	SLD 5	5.585	Si
122	28.15	1.6	0	2	-89813	-49749	-64466	-496628	-275093	SLD 5	5.53	Si
151	28.15	1.6	0	2	-173032	-56657	-64335	-882882	-289088	SLD 5	5.102	Si
180	28.15	1.6	0	2	-259495	-64294	-64206	-1223251	-303081	SLD 5	4.714	Si
200	28.15	1.6	0	2	21958	189189	-57965	110203	949520	SLD 1	5.019	Si
232	28.15	1.6	0	2	58231	152951	-57823	303148	796261	SLD 1	5.206	Si
264	28.15	1.6	0	2	109968	116339	-57679	585876	619817	SLD 1	5.328	Si
296	28.15	1.6	0	2	162289	91002	-58225	856439	480241	SLD 5	5.277	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
328	28.15	1.6	0	2	216748	105901	-58081	1072438	523981	SLD 5	4.948	Si
360	28.15	1.6	0	2	245528	172351	-55674	1111628	780322	SLD 9	4.528	Si
380	28.15	3.1	0	2,3	80632	-88128	-46097	546787	-597618	SLD 5	6.781	Si
414	28.15	3.1	0	2,3	-13553	-109653	-45487	-94335	-763240	SLD 1	6.96	Si
448	28.15	1.6	0	3	-96330	-117000	-45335	-614561	-746428	SLD 1	6.38	Si
481	28.15	1.6	0	3	-168130	-126673	-45183	-988267	-744583	SLD 1	5.878	Si
515	28.15	1.6	0	3	-240606	-136713	-45033	-1300920	-739183	SLD 1	5.407	Si
535	28.15	1.6	0	3	8864	123349	-39352	66687	927945	SLD 1	7.523	Si
569	28.15	1.6	0	3	48406	98262	-39718	369646	750359	SLD 5	7.636	Si
603	28.15	1.6	0	3	66005	79081	-39567	519104	621938	SLD 5	7.865	Si
636	28.15	1.6	0	3	80811	69616	-39415	640706	551948	SLD 5	7.928	Si
670	28.15	1.6	0	3	97202	73185	-39263	751535	565846	SLD 5	7.732	Si
690	28.15	3.1	0	3,4	143505	16224	-33160	1342808	151812	SLD 1	9.357	Si
724	28.15	3.1	0	3,4	75646	-50649	-33337	717997	-480738	SLD 5	9.492	Si
758	28.15	1.6	0	4	-27147	-67932	-33185	-263034	-658205	SLD 5	9.689	Si
791	28.15	1.6	0	4	-106398	-94381	-33033	-869560	-771347	SLD 5	8.173	Si
825	28.15	1.6	0	4	-177369	-137697	-32554	-1199382	-931116	SLD 1	6.762	Si
845	28.15	1.6	0	4	94493	124463	-26621	812987	1070843	SLD 1	8.604	Si
879	28.15	1.6	0	4	108031	102714	-26471	978118	929975	SLD 1	9.054	Si
913	28.15	1.6	0	4	165575	83568	-26057	1461372	737579	SLD 9	8.826	Si
946	28.15	1.6	0	4	184970	94878	-25905	1531162	785387	SLD 9	8.278	Si
980	28.15	1.6	0	4	207790	117041	-25753	1549697	872889	SLD 9	7.458	Si
1000	28.15	3.1	0	4,5,6,8	-169328	-88226	-11010	-1733408	-903168	SLD 15	10.237	Si
1034	28.15	3.1	0	4,5,6,8	-117253	-77016	-11807	-1513601	-994183	SLD 13	12.909	Si
1068	28.15	1.6	0	5,6,8	-156169	-89079	-14460	-1634241	-932169	SLD 5	10.465	Si
1101	28.15	1.6	0	5,6,8	-214621	-117601	-14119	-1691295	-926741	SLD 1	7.88	Si
1135	28.15	1.6	0	5,6,8	-279200	-147536	-13967	-1706066	-901524	SLD 1	6.111	Si
1155	28.15	1.6	0	5,6,8	84711	109175	-8153	990975	1277156	SLD 7	11.698	Si
1189	28.15	1.6	0	5,6,8	-597	87101	-8475	-11189	1633604	SLD 5	18.755	Si
1223	28.15	1.6	0	5,6,8	88708	68660	-8467	1391527	1077047	SLD 15	15.687	Si
1256	28.15	1.6	0	5,6,8	72702	92467	-8456	999812	1271623	SLD 13	13.752	Si
1290	42.72	3.4	0	5,6,7,8	74682	115734	-8304	1012126	1568483	SLD 13	13.552	Si
1310	28.15	4.5	0	5,7,9,10	97733	-1449	-2738	840922	-12468	SLD 5	8.604	Si
1340	18.63	4.5	0	5,7,9,10	62191	-12137	-2709	684846	-133651	SLD 9	11.012	Si
1370	12.06	1.3	0	9,10	18793	-36796	-2559	276813	-541987	SLD 15	14.729	Si
1400	12.06	1.3	0	9,10	858	-32049	-2491	20926	-781375	SLD 15	24.381	Si
1430	12.06	1.3	0	9,10	-19066	-27301	-2424	-338571	-484803	SLD 15	17.758	Si
1460	12.06	1.3	0	9,10	-49312	-18322	-2415	-544976	-202485	SLD 13	11.052	Si
1490	12.06	1.3	0	9,10	-82245	-366	-2334	-547666	-2437	SLD 5	6.659	Si
1520	12.06	1.3	0	9,10	-112216	-183	-2267	-501679	-816	SLD 5	4.471	Si
1550	12.06	1.3	0	9,10	-142211	4	-2199	-477574	14	SLD 5	3.358	Si
1580	12.06	1.3	0	9,10	-172216	208	-2132	-462439	558	SLD 5	2.685	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	7X/2Y Ø8/10	-367	-94964	SLU 51	15366	58630	60274	1.9	159.84	-2270	-93967	SLU 52	15029	48390	55356	2.5	21.32	Si
-111	7X/2Y Ø8/10	-367	-94797	SLU 51	15366	58630	60274	1.9	159.84	-2270	-93799	SLU 52	15029	48390	55356	2.5	21.32	Si
-82	7X/2Y Ø8/10	-367	-94627	SLU 51	15366	58630	60274	1.9	159.84	-2270	-93629	SLU 52	15029	48390	55356	2.5	21.32	Si
-53	7X/2Y Ø8/10	-367	-94456	SLU 51	15366	58630	60274	1.9	159.84	-2270	-93459	SLU 52	15029	48390	55356	2.5	21.32	Si
-24	7X/2Y Ø8/14.7	-367	-94286	SLU 51	15366	50249	51921	2.4	136.99	-2270	-93289	SLU 52	15029	32833	55356	2.5	14.47	Si
5	7X/2Y Ø8/14.7	-367	-94116	SLU 51	15366	50249	51921	2.4	136.99	-2270	-93119	SLU 52	15029	32833	55356	2.5	14.47	Si
35	7X/2Y Ø8/14.7	-367	-93946	SLU 51	15366	50249	51921	2.4	136.99	-2270	-92948	SLU 52	15029	32833	55356	2.5	14.47	Si
64	7X/2Y Ø8/14.7	-367	-93776	SLU 51	15366	50249	51921	2.4	136.99	-2270	-92778	SLU 52	15029	32833	55356	2.5	14.47	Si
93	7X/2Y Ø8/14.7	-367	-93606	SLU 51	15366	50249	51921	2.4	136.99	-2270	-92608	SLU 52	15029	32833	55356	2.5	14.47	Si
122	7X/2Y Ø8/14.7	-367	-93435	SLU 51	15366	50249	51921	2.4	136.99	-2270	-92438	SLU 52	15029	32833	55356	2.5	14.47	Si
151	7X/2Y Ø8/14.7	-367	-93265	SLU 51	15366	50249	51921	2.4	136.99	-2270	-92268	SLU 52	15029	32833	55356	2.5	14.47	Si
180	7X/2Y Ø8/14.7	-367	-93098	SLU 51	15366	50249	51921	2.4	136.99	-2270	-92100	SLU 52	15029	32833	55356	2.5	14.47	Si
200	7X/2Y Ø8/14.7	1775	-80796	SLU 46	15366	50249	51921	2.4	28.31	1814	-86948	SLU 51	15029	32833	55356	2.5	18.1	Si
232	7X/2Y Ø8/14.7	1775	-80612	SLU 46	15366	50249	51921	2.4	28.31	1814	-86763	SLU 51	15029	32833	55356	2.5	18.1	Si
264	7X/2Y Ø8/10	1775	-80425	SLU 46	15366	58624	60274	1.9	33.03	1814	-86576	SLU 51	15029	48385	55356	2.5	26.67	Si
296	7X/2Y Ø8/10	1775	-80238	SLU 46	15366	58624	60274	1.9	33.03	1814	-86389	SLU 51	15029	48385	55356	2.5	26.67	Si
328	7X/2Y Ø8/10	1775	-80050	SLU 46	15366	58624	60274	1.9	33.03	1814	-86202	SLU 51	15029	48385	55356	2.5	26.67	Si
360	7X/2Y Ø8/10	1775	-79866	SLU 46	15366	58624	60274	1.9	33.03	1814	-86018	SLU 51	15029	48385	55356	2.5	26.67	Si
380	7X/2Y Ø8/10	463	-65575	SLU 49	15366	57082	59187	1.85	123.23	-1099	-66143	SLU 51	15029	48385	53636	2.5	44.04	Si
414	7X/2Y Ø8/10	463	-65378	SLU 49	15366	57082	59156	1.85	123.23	-1099	-65946	SLU 51	15029	48385	53608	2.5	44.04	Si
448	7X/2Y Ø8/10	463	-65181	SLU 49	15366	57082	59125	1.85	123.23	-1099	-65748	SLU 51	15029	48385	53580	2.5	44.04	Si
481	7X/2Y Ø8/14.4	458	-59269	SLU 23	14945	49131	50875	2.3	107.24	-1099	-65551	SLU 51	15029	33497	53553	2.5	30.49	Si
515	7X/2Y Ø8/14.4	458	-59119	SLU 23	14927	49131	50855	2.3	107.24	-1099	-65356	SLU 51	15029	33497	53525	2.5	30.49	Si
535	7X/2Y Ø8/14.4	-639	-43468	SLU 33	12978	48062	49447	2.25	75.2	-185	-46692	SLU 37	12848	33497	50886	2.5	181.51	Si
569	7X/2Y Ø8/14.4	-639	-43273	SLU 33	12954	48062	49420	2.25	75.2	-185	-46498	SLU 37	12822	33497	50859	2.5	181.51	Si
603	7X/2Y Ø8/10	-639	-43076	SLU 33	12929	55539	56498	1.8	86.9	-185	-46300	SLU 37	12795	48385	50831	2.5	262.18	Si
636	7X/2Y Ø8/10	-639	-42878	SLU 33	12905	55539	56467	1.8	86.9	-185	-46103	SLU 37	12768	48385	50803	2.5	262.18	Si
670	7X/2Y Ø8/10	-639	-42681	SLU 33	12880	55539	56436	1.8	86.9	-185	-45906	SLU 37	12741	48385	50775	2.5	262.18	Si
690	7X/2Y Ø8/10	-580	-49243	SLU 51	13697	55539	57476	1.8	95.75	-1466	-49243	SLU 51	13197	48385	51247	2.5	33.01	Si
724	7X/2Y Ø8/10	-580	-49048	SLU 51	13673	55539	57445	1.8	95.75	-1466	-49048	SLU 51	13170	48385	51219	2.5	33.01	Si
758	7X/2Y Ø8/10	-580	-48851	SLU 51	13648	55539	57414	1.8	95.75	-1466	-48851	SLU 51	13143	48385	51192	2.5	33.01	Si
791	7X/2Y Ø8/14.4	-572	-39590	SLU 38	12495	48062	48909	2.25	84.06	-1466	-48654	SLU 51	13116	33497	51164	2.5	22.85	Si
825	7X/2Y Ø8/14.4	-572	-39393	SLU 38	12471	48062	48882	2.25	84.06	-1466	-48456	SLU 51	13089	33497	51136	2.5	22.85	Si
845	7X/2Y Ø8/14.4	112	-37837	SLU 23	12277	48062	48666	2.25	428.69	303	-33705	SLU 43	11073	33497	49050	2.5	110.69	Si
879	7X/2Y Ø8/14.4	112	-37687	SLU 23	12259	48062	48645	2.25	428.69	303	-33511	SLU 43	11047	33497	49023	2.5	110.69	Si
913	7X/2Y Ø8/10	112	-37536	SLU 23	12240	55539	55620	1.8	495.38	303	-33313	SLU 43	11020	48385	48995	2.5	159.88	Si
946	7X/2Y Ø8/10	112	-37384	SLU 23	12221	55539	55596	1.8	495.38	303	-33116	SLU 43	10993	48385	48967	2.5	159.88	Si
980	7X/2Y Ø8/10	112	-37232	SLU 23	12202	55539	55572	1.8	495.38	303	-32918	SLU 43	10966	48385	48939	2.5	159.88	Si
1000	7X/2Y Ø8/10	-432	-18085	SLU 39	9818	52453	54081	1.7	121.33	-626	-18270	SLU 38	8964	47417	47554	2.45	75.8	Si
1034	7X/2Y Ø8/10	-432	-17890	SLU 39	9794	52453	54049	1.7	121.33	-626	-18075	SLU 38	8937	47417	47526	2.45	75.8	Si
1068	7X/2Y Ø8/10	-432	-17693	SLU 39	9769	52453	54017	1.7	121.33	-626	-17878	SLU 38	8910	47417	47498	2.45	75.8	Si
1101	7X/2Y Ø8/14.4	-432	-17495	SLU 39	9745	45926	47237	2.15	106.23	-626	-17681	SLU 38	8883	33497	46785	2.5	53.55	Si
1135	7X/2Y Ø8/14.4	-432	-17298	SLU 39	9720	45926	47209	2.15	106.23	-626	-17483	SLU 38	8856	33497	46757	2.5	53.55	Si
1155	7X/2Y Ø8/14.4	117	-9593	SLU 15	8761	45926	46108	2.15	391.81	343	-11834	SLU 43	8084	33497	45958	2.5	97.67	Si
1189	7X/2Y Ø8/14.4	117	-9444	SLU 15	8742	45926	46087	2.15	391.81	343	-11640	SLU 43	8058	33497	45931	2.5	97.67	Si
1223	7X/2Y Ø8/10	117	-9292	SLU 15	8723	52453	52646	1.7	447.49	343	-11443	SLU 43	8031	46450	47261	2.4	135.43	Si
1256	7X/2Y Ø8/10	117	-9140	SLU 15	8704	52453	52621	1.7	447.49	343	-11245	SLU 43	8004	46450	47232	2.4	135.43	Si
1290	7X/2Y Ø8/10	117	-8988	SLU 15	8685	52453	52596	1.7	447.49	343	-11048	SLU 43	7977	46450	47203	2.4	135.43	Si
1310	3X/2Y Ø8/10	128	-4528	SLU 51	4347	24464	25178	1.85	190.66	-1370	-4528	SLU 51	4319	20959	21168	2.4	15.3	Si
1340	3X/2Y Ø8/10	128	-4442	SLU 51	4336	24464	25165	1.85	190.66	-1370	-4442	SLU 51	4308	20959	21157	2.4	15.3	Si
1370	3X/2Y Ø8/10	128	-4354	SLU 51	4325	24464	25151	1.85	190.66	-1370	-4354	SLU 51	4297	20959	21145	2.4	15.3	Si
1400	3X/2Y Ø8/14.4	128	-4267	SLU 51	4314	21514	21650	2.35	167.67	-1370	-4267	SLU 51	4286	15114	20526	2.5	11.03	Si
1430	3X/2Y Ø8/14.4	128	-4179	SLU 51	4303	21514	21639	2.35	167.67	-1370	-4179	SLU 51	4276	15114	20515	2.5	11.03	Si
1460	3X/2Y Ø8/14.4	128	-4091	SLU 51	4293	21514	21627	2.35	167.67	-1370	-4091	SLU 51	4265	15114	20504	2.5	11.03	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1490	3X/2Y Ø8/14.4	128	-4003	SLU 51	4282	21514	21615	2.35	167.67	-1370	-4003	SLU 51	4254	15114	20493	2.5	11.03	Si
1520	3X/2Y Ø8/14.4	128	-3916	SLU 51	4271	21514	21603	2.35	167.67	-1370	-3916	SLU 51	4243	15114	20481	2.5	11.03	Si
1550	3X/2Y Ø8/10	128	-3828	SLU 51	4260	24464	25069	1.85	190.66	-1370	-3828	SLU 51	4232	20959	21076	2.4	15.3	Si
1580	3X/2Y Ø8/10	128	-3740	SLU 51	4249	24464	25055	1.85	190.66	-1370	-3740	SLU 51	4221	20959	21064	2.4	15.3	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	7X/2Y Ø8/10	-1218	-76756	SLV 1	15366	58630	60035	1.9	48.12	-5401	-78086	SLV 5	15029	48390	55325	2.5	8.96	Si
-111	7X/2Y Ø8/10	-1218	-76627	SLV 1	15366	58630	60015	1.9	48.12	-5401	-77957	SLV 5	15029	48390	55307	2.5	8.96	Si
-82	7X/2Y Ø8/10	-1218	-76496	SLV 1	15366	58630	59995	1.9	48.12	-5401	-77827	SLV 5	15029	48390	55288	2.5	8.96	Si
-53	7X/2Y Ø8/10	-1218	-76365	SLV 1	15366	58630	59975	1.9	48.12	-5401	-77696	SLV 5	15029	48390	55270	2.5	8.96	Si
-24	7X/2Y Ø8/14.7	-1218	-76235	SLV 1	15366	50249	51646	2.4	41.24	-5401	-77565	SLV 5	15029	32833	55251	2.5	6.08	Si
5	7X/2Y Ø8/14.7	-1218	-76104	SLV 1	15366	50249	51629	2.4	41.24	-5401	-77434	SLV 5	15029	32833	55232	2.5	6.08	Si
35	7X/2Y Ø8/14.7	-1218	-75973	SLV 1	15366	50249	51611	2.4	41.24	-5401	-77303	SLV 5	15029	32833	55214	2.5	6.08	Si
64	7X/2Y Ø8/14.7	-1218	-75842	SLV 1	15366	50249	51594	2.4	41.24	-5401	-77172	SLV 5	15029	32833	55195	2.5	6.08	Si
93	7X/2Y Ø8/14.7	-1218	-75711	SLV 1	15366	50249	51577	2.4	41.24	-5401	-77041	SLV 5	15029	32833	55177	2.5	6.08	Si
122	7X/2Y Ø8/14.7	-1218	-75580	SLV 1	15366	50249	51559	2.4	41.24	-5401	-76910	SLV 5	15029	32833	55158	2.5	6.08	Si
151	7X/2Y Ø8/14.7	-1218	-75449	SLV 1	15366	50249	51542	2.4	41.24	-5401	-76779	SLV 5	15029	32833	55140	2.5	6.08	Si
180	7X/2Y Ø8/14.7	-1218	-75320	SLV 1	15366	50249	51525	2.4	41.24	-5401	-76651	SLV 5	15029	32833	55122	2.5	6.08	Si
200	7X/2Y Ø8/14.7	3848	-46746	SLV 13	13386	48156	49165	2.3	12.52	2876	-62050	SLV 9	14947	32833	53058	2.5	11.42	Si
232	7X/2Y Ø8/14.7	3848	-46604	SLV 13	13369	48156	49146	2.3	12.52	2876	-61908	SLV 9	14928	32833	53037	2.5	11.42	Si
264	7X/2Y Ø8/10	3848	-46460	SLV 13	13351	55539	57035	1.8	14.43	2876	-61764	SLV 9	14908	48385	53017	2.5	16.83	Si
296	7X/2Y Ø8/10	3848	-46316	SLV 13	13333	55539	57012	1.8	14.43	2876	-61620	SLV 9	14888	48385	52997	2.5	16.83	Si
328	7X/2Y Ø8/10	3848	-46172	SLV 13	13315	55539	56989	1.8	14.43	2876	-61476	SLV 9	14869	48385	52976	2.5	16.83	Si
360	7X/2Y Ø8/10	3848	-46030	SLV 13	13297	55539	56967	1.8	14.43	2876	-61334	SLV 9	14849	48385	52956	2.5	16.83	Si
380	7X/2Y Ø8/10	1864	-25708	SLV 15	10767	53996	54534	1.75	28.97	-5215	-55547	SLV 5	14058	48385	52138	2.5	9.28	Si
414	7X/2Y Ø8/10	1864	-25556	SLV 15	10748	53996	54510	1.75	28.97	-5215	-55395	SLV 5	14038	48385	52117	2.5	9.28	Si
448	7X/2Y Ø8/10	1864	-25405	SLV 15	10729	53996	54486	1.75	28.97	-5215	-55243	SLV 5	14017	48385	52095	2.5	9.28	Si
481	7X/2Y Ø8/14.4	1864	-25253	SLV 15	10710	46994	47627	2.2	25.21	-5215	-55091	SLV 5	13996	33497	52074	2.5	6.42	Si
515	7X/2Y Ø8/14.4	1864	-25103	SLV 15	10692	46994	47606	2.2	25.21	-5215	-54942	SLV 5	13976	33497	52053	2.5	6.42	Si
535	7X/2Y Ø8/14.4	-1773	-44598	SLV 1	13119	48062	49603	2.25	27.1	-1539	-26068	SLV 11	10030	33497	47971	2.5	21.77	Si
569	7X/2Y Ø8/14.4	-1773	-44449	SLV 1	13100	48062	49583	2.25	27.1	-1539	-25918	SLV 11	10009	33497	47949	2.5	21.77	Si
603	7X/2Y Ø8/10	-1773	-44297	SLV 1	13081	55539	56692	1.8	31.32	-1539	-25766	SLV 11	9988	47417	48629	2.45	30.82	Si
636	7X/2Y Ø8/10	-1773	-44145	SLV 1	13062	55539	56668	1.8	31.32	-1539	-25614	SLV 11	9968	47417	48608	2.45	30.82	Si
670	7X/2Y Ø8/10	-1773	-43993	SLV 1	13044	55539	56644	1.8	31.32	-1539	-25463	SLV 11	9947	47417	48586	2.45	30.82	Si
690	7X/2Y Ø8/10	-2430	-38897	SLV 1	12409	55539	55836	1.8	22.86	-5274	-39722	SLV 5	11896	48385	49901	2.5	9.18	Si
724	7X/2Y Ø8/10	-2430	-38748	SLV 1	12391	55539	55812	1.8	22.86	-5274	-39573	SLV 5	11875	48385	49880	2.5	9.18	Si
758	7X/2Y Ø8/10	-2430	-38596	SLV 1	12372	55539	55788	1.8	22.86	-5274	-39421	SLV 5	11854	48385	49858	2.5	9.18	Si
791	7X/2Y Ø8/14.4	-2430	-38444	SLV 1	12353	48062	48750	2.25	19.78	-5274	-39269	SLV 5	11834	33497	49837	2.5	6.35	Si
825	7X/2Y Ø8/14.4	-2430	-38292	SLV 1	12334	48062	48729	2.25	19.78	-5274	-39117	SLV 5	11813	33497	49815	2.5	6.35	Si
845	7X/2Y Ø8/14.4	1988	-23655	SLV 13	10512	46994	47402	2.2	23.64	1641	-29873	SLV 5	10550	33497	48509	2.5	20.42	Si
879	7X/2Y Ø8/14.4	1988	-23506	SLV 13	10493	46994	47381	2.2	23.64	1641	-29724	SLV 5	10529	33497	48487	2.5	20.42	Si
913	7X/2Y Ø8/10	1988	-23354	SLV 13	10474	53996	54156	1.75	27.16	1641	-29572	SLV 5	10508	48385	48466	2.5	29.49	Si
946	7X/2Y Ø8/10	1988	-23202	SLV 13	10455	53996	54131	1.75	27.16	1641	-29420	SLV 5	10488	48385	48444	2.5	29.49	Si
980	7X/2Y Ø8/10	1988	-23050	SLV 13	10436	53996	54107	1.75	27.16	1641	-29268	SLV 5	10467	48385	48423	2.5	29.49	Si
1000	7X/2Y Ø8/10	-2027	-17347	SLV 1	9726	52453	53961	1.7	25.88	-4991	-17824	SLV 5	8903	47417	47490	2.45	9.5	Si
1034	7X/2Y Ø8/10	-2027	-17197	SLV 1	9708	52453	53936	1.7	25.88	-4991	-17674	SLV 5	8882	47417	47469	2.45	9.5	Si
1068	7X/2Y Ø8/10	-2027	-17045	SLV 1	9689	52453	53912	1.7	25.88	-4991	-17522	SLV 5	8862	47417	47447	2.45	9.5	Si
1101	7X/2Y Ø8/14.4	-2027	-16893	SLV 1	9670	45926	47151	2.15	22.66	-4991	-17370	SLV 5	8841	33497	46741	2.5	6.71	Si
1135	7X/2Y Ø8/14.4	-2027	-16742	SLV 1	9651	45926	47129	2.15	22.66	-4991	-17218	SLV 5	8820	33497	46719	2.5	6.71	Si
1155	7X/2Y Ø8/14.4	-1988	-7439	SLV 3	8493	44858	46493	2.1	22.56	1132	-8825	SLV 5	7673	33497	45533	2.5	29.6	Si
1189	7X/2Y Ø8/14.4	-1988	-7290	SLV 3	8474	44858	46471	2.1	22.56	1132	-8675	SLV 5	7653	33497	45512	2.5	29.6	Si
1223	7X/2Y Ø8/10	-1988	-7138	SLV 3	8455	50911	53040	1.65	25.6	1132	-8523	SLV 5	7632	46450	46836	2.4	41.04	Si
1256	7X/2Y Ø8/10	-1988	-6986	SLV 3	8436	50911	53015	1.65	25.6	1132	-8372	SLV 5	7611	46450	46814	2.4	41.04	Si
1290	7X/2Y Ø8/10	-1988	-6834	SLV 3	8417	50911	52990	1.65	25.6	1132	-8220	SLV 5	7590	46450	46792	2.4	41.04	Si
1310	3X/2Y Ø8/10	258	-2741	SLV 15	4124	24464	24899	1.85	95	-1363	-2862	SLV 5	4113	20522	21259	2.35	15.06	Si
1340	3X/2Y Ø8/10	258	-2674	SLV 15	4116	24464	24888	1.85	95	-1363	-2795	SLV 5	4105	20522	21251	2.35	15.06	Si
1370	3X/2Y Ø8/10	258	-2607	SLV 15	4108	24464	24878	1.85	95	-1363	-2728	SLV 5	4097	20522	21242	2.35	15.06	Si
1400	3X/2Y Ø8/14.4	258	-2539	SLV 15	4099	21056	21737	2.3	81.76	-1363	-2660	SLV 5	4088	15114	20321	2.5	11.09	Si
1430	3X/2Y Ø8/14.4	258	-2472	SLV 15	4091	21056	21728	2.3	81.76	-1363	-2593	SLV 5	4080	15114	20313	2.5	11.09	Si
1460	3X/2Y Ø8/14.4	258	-2404	SLV 15	4083	21056	21719	2.3	81.76	-1363	-2525	SLV 5	4072	15114	20304	2.5	11.09	Si
1490	3X/2Y Ø8/14.4	258	-2337	SLV 15	4074	21056	21710	2.3	81.76	-1363	-2458	SLV 5	4063	15114	20295	2.5	11.09	Si
1520	3X/2Y Ø8/14.4	258	-2269	SLV 15	4066	21056	21700	2.3	81.76	-1363	-2390	SLV 5	4055	15114	20287	2.5	11.09	Si
1550	3X/2Y Ø8/10	258	-2202	SLV 15	4057	24464	24815	1.85	95	-1363	-2323	SLV 5	4047	20522	21188	2.35	15.06	Si
1580	3X/2Y Ø8/10	258	-2134	SLV 15	4049	24464	24804	1.85	95	-1363	-2255	SLV 5	4038	20522	21179	2.35	15.06	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	7X/2Y Ø8/10	-600	-65121	SLD 1	15674	66345	54039	2.15	90.02	-2827	-65641	SLD 5	15438	48390	53565	2.5	17.11	Si
-111	7X/2Y Ø8/10	-600	-64992	SLD 1	15658	66345	54021	2.15	89.99	-2827	-65513	SLD 5	15420	48390	53547	2.5	17.11	Si
-82	7X/2Y Ø8/10	-600	-64862	SLD 1	15642	66345	54002	2.15	89.95	-2827	-65382	SLD 5	15402	48390	53529	2.5	17.11	Si
-53	7X/2Y Ø8/10	-600	-64731	SLD 1	15625	66345	53983	2.15	89.92	-2827	-65251	SLD 5	15384	48390	53510	2.5	17.11	Si
-24	7X/2Y Ø8/14.7	-600	-64600	SLD 1	15609	52343	48663	2.5	81.06	-2827	-65120	SLD 5	15367	32833	53492	2.5	11.61	Si
5	7X/2Y Ø8/14.7	-600	-64469	SLD 1	15593	52343	48647	2.5	81.03	-2827	-64989	SLD 5	15349	32833	53473	2.5	11.61	Si
35	7X/2Y Ø8/14.7	-600	-64338	SLD 1	15577	52343	48630	2.5	81.01	-2827	-64858	SLD 5	15331	32833	53455	2.5	11.61	Si
64	7X/2Y Ø8/14.7	-600	-64207	SLD 1	15560	52343	48613	2.5	80.98	-2827	-64727	SLD 5	15313	32833	53436	2.5	11.61	Si
93	7X/2Y Ø8/14.7	-600	-64076	SLD 1	15544	52343	48596	2.5	80.95	-2827	-64596	SLD 5	15295	32833	53418	2.5	11.61	Si
122	7X/2Y Ø8/14.7	-600	-63945	SLD 1	15528	52343	48579	2.5	80.92	-2827	-64466	SLD 5	15277	32833	53399	2.5	11.61	Si
151	7X/2Y Ø8/14.7	-600	-63814	SLD 1	15511	52343	48562	2.5	80.89	-2827	-64335	SLD 5	15259	32833	53381	2.5	11.61	Si
180	7X/2Y Ø8/14.7	-600	-63686	SLD 1	15495	52343	48546	2.5	80.87	-2827	-64206	SLD 5	15242	32833	53362	2.5	11.61	Si
200	7X/2Y Ø8/14.7	1655	-50416	SLD 13	13843	52343	46837	2.5	28.29	1787	-56390	SLD 9	14173	32833	52257	2.5	18.37	Si
232	7X/2Y Ø8/14.7	1655	-50274	SLD 13	13826	52343	46818	2.5	28.28	1787	-56248	SLD 9	14154	32833	52237	2.5	18.37	Si
264	7X/2Y Ø8/10	1655	-50130	SLD 13	13808	64795	52682	2.1	31.82	1787	-56104	SLD 9	14134	48385	52217	2.5	27.07	Si
296	7X/2Y Ø8/10	1655	-49986	SLD 13	13790	64795	52661	2.1	31.81	1787	-55960	SLD 9	14115	48385	52197	2.5	27.07	Si
328	7X/2Y Ø8/10	1655	-49842	SLD 13	13772	64795	52640	2.1	31.8	1787	-55816	SLD 9	14095	48385	52176	2.5	27.07	Si
360	7X/2Y Ø8/10	1655	-49700	SLD 13	13754	64795	52620	2.1	31.79	1787	-55674	SLD 9	14076	48385	52156	2.5	27.07	Si
380	7X/2Y Ø8/10	915	-34452	SLD 15	11856	63253	51172	2.05	55.93	-2444	-46097	SLD 5	12767	48385	50802	2.5	19.8	Si
414	7X/2Y Ø8/10	915	-34300	SLD 15	11837	63253	51149	2.05	55.9	-2444	-45945	SLD 5	12746	48385	50781	2.5	19.8	Si
448	7X/2Y Ø8/10	915	-34148	SLD 15	11818	63253	51127	2.05	55.88	-2444	-45793	SLD 5	12725	48385	50759	2.5	19.8	Si
481	7X/2Y Ø8/14.4	915	-33996	SLD 15	11799	53403	44722	2.5	48.88	-2444	-45641	SLD 5	12704	33497	50738	2.5	13.71	Si
515	7X/2Y Ø8/14.4	915	-33846	SLD 15	11780	53403	44703	2.5	48.86	-2444	-45492	SLD 5	12684	33497	50717	2.5	13.71	Si
535	7X/2Y Ø8/14.4	-747	-39352	SLD 1	12466	53403	45412	2.5	60.8	-630	-32109	SLD 11	10855	33497	48825	2.5	53.14	Si
569	7X/2Y Ø8/14.4	-747	-39203	SLD 1	12447	53403	45392	2.5	60.77	-630	-31959	SLD 11	10835	33497	48803	2.5	53.14	Si
603	7X/2Y Ø8/10	-747	-39051	SLD 1	12428	63253	51849	2.05	69.42	-630	-31807	SLD 11	10814	48385	48782	2.5	76.75	Si
636	7X/2Y Ø8/10	-747	-38899	SLD 1	12409	63253	51826	2.05	69.39	-630	-31655	SLD 11	10793	48385	48760	2.5	76.75	Si
670	7X/2Y Ø8/10	-747	-38747	SLD 1	12390	63253	51804	2.05	69.36	-630	-31504	SLD 11	10772	48385	48739	2.5	76.75	Si
690	7X/2Y Ø8/10	-1128	-33160	SLD 1	11695	63253	50981	2.05	45.21	-2579	-33486	SLD 5	11043	48385	49019	2.5	18.76	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
724	7X/2Y Ø8/10	-1128	-33010	SLD 1	11676	63253	50959	2.05	45.19	-2579	-33337	SLD 5	11023	48385	48998	2.5	18.76	Si
758	7X/2Y Ø8/10	-1128	-32858	SLD 1	11657	63253	50937	2.05	45.17	-2579	-33185	SLD 5	11002	48385	48977	2.5	18.76	Si
791	7X/2Y Ø8/14.4	-1128	-32706	SLD 1	11638	53403	44556	2.5	39.51	-2579	-33033	SLD 5	10981	33497	48955	2.5	12.99	Si
825	7X/2Y Ø8/14.4	-1128	-32554	SLD 1	11619	53403	44536	2.5	39.49	-2579	-32881	SLD 5	10961	33497	48934	2.5	12.99	Si
845	7X/2Y Ø8/14.4	816	-24547	SLD 13	10623	53403	43505	2.5	53.3	753	-26981	SLD 5	10154	33497	48100	2.5	44.5	Si
879	7X/2Y Ø8/14.4	816	-24398	SLD 13	10604	53403	43486	2.5	53.28	753	-26831	SLD 5	10134	33497	48078	2.5	44.5	Si
913	7X/2Y Ø8/10	816	-24246	SLD 13	10585	61710	50421	2	61.78	753	-26679	SLD 5	10113	48385	48057	2.5	63.85	Si
946	7X/2Y Ø8/10	816	-24094	SLD 13	10566	61710	50398	2	61.75	753	-26527	SLD 5	10092	48385	48035	2.5	63.82	Si
980	7X/2Y Ø8/10	816	-23942	SLD 13	10547	61710	50375	2	61.72	753	-26376	SLD 5	10072	48385	48014	2.5	63.79	Si
1000	7X/2Y Ø8/10	-919	-14572	SLD 1	9381	61710	48975	2	53.3	-2178	-14761	SLD 5	8484	48385	46372	2.5	21.29	Si
1034	7X/2Y Ø8/10	-919	-14423	SLD 1	9362	61710	48953	2	53.28	-2178	-14612	SLD 5	8464	48385	46351	2.5	21.28	Si
1068	7X/2Y Ø8/10	-919	-14271	SLD 1	9343	61710	48930	2	53.25	-2178	-14460	SLD 5	8443	48385	46329	2.5	21.27	Si
1101	7X/2Y Ø8/14.4	-919	-14119	SLD 1	9324	53403	42162	2.5	45.89	-2178	-14308	SLD 5	8422	33497	46308	2.5	15.38	Si
1135	7X/2Y Ø8/14.4	-919	-13967	SLD 1	9305	53403	42142	2.5	45.87	-2178	-14156	SLD 5	8402	33497	46287	2.5	15.38	Si
1155	7X/2Y Ø8/14.4	-806	-8076	SLD 3	8572	53403	41384	2.5	51.37	525	-8624	SLD 5	7646	33497	45504	2.5	63.83	Si
1189	7X/2Y Ø8/14.4	-806	-7926	SLD 3	8553	53403	41364	2.5	51.35	525	-8475	SLD 5	7625	33497	45483	2.5	63.83	Si
1223	7X/2Y Ø8/10	-806	-7774	SLD 3	8534	61710	47960	2	59.53	525	-8323	SLD 5	7604	48385	45462	2.5	86.62	Si
1256	7X/2Y Ø8/10	-806	-7622	SLD 3	8515	61710	47937	2	59.51	525	-8171	SLD 5	7584	48385	45440	2.5	86.58	Si
1290	7X/2Y Ø8/10	-806	-7471	SLD 3	8497	61710	47914	2	59.48	525	-8019	SLD 5	7563	48385	45419	2.5	86.54	Si
1310	3X/2Y Ø8/10	158	-2692	SLD 15	4118	28431	22754	2.15	143.75	-1001	-2738	SLD 5	4098	21832	20331	2.5	20.31	Si
1340	3X/2Y Ø8/10	158	-2626	SLD 15	4110	28431	22744	2.15	143.69	-1001	-2672	SLD 5	4090	21832	20323	2.5	20.31	Si
1370	3X/2Y Ø8/10	158	-2559	SLD 15	4102	28431	22735	2.15	143.63	-1001	-2604	SLD 5	4081	21832	20314	2.5	20.3	Si
1400	3X/2Y Ø8/14.4	158	-2491	SLD 15	4093	22887	20493	2.5	129.47	-1001	-2537	SLD 5	4073	15114	20306	2.5	15.1	Si
1430	3X/2Y Ø8/14.4	158	-2424	SLD 15	4085	22887	20484	2.5	129.41	-1001	-2469	SLD 5	4065	15114	20297	2.5	15.1	Si
1460	3X/2Y Ø8/14.4	158	-2356	SLD 15	4077	22887	20475	2.5	129.36	-1001	-2402	SLD 5	4056	15114	20288	2.5	15.1	Si
1490	3X/2Y Ø8/14.4	158	-2289	SLD 15	4068	22887	20466	2.5	129.3	-1001	-2334	SLD 5	4048	15114	20280	2.5	15.1	Si
1520	3X/2Y Ø8/14.4	158	-2221	SLD 15	4060	22887	20458	2.5	129.25	-1001	-2267	SLD 5	4040	15114	20271	2.5	15.1	Si
1550	3X/2Y Ø8/10	158	-2154	SLD 15	4051	28431	22677	2.15	143.27	-1001	-2199	SLD 5	4031	21832	20262	2.5	20.25	Si
1580	3X/2Y Ø8/10	158	-2086	SLD 15	4043	28431	22667	2.15	143.21	-1001	-2132	SLD 5	4023	21832	20254	2.5	20.24	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	301911	27009	-67017	SLE RA 12	-46.2	301911	27009	-67017	SLE RA 12	-644.5	Si
-111	260133	19479	-66889	SLE RA 12	-43.6	260133	19479	-66889	SLE RA 12	-613.9	Si
-82	236304	-6207	-66093	SLE RA 13	-41.1	236304	-6207	-66093	SLE RA 13	-584.2	Si
-53	189358	-13494	-65962	SLE RA 13	-39.5	189358	-13494	-65962	SLE RA 13	-562.9	Si
-24	142413	-20781	-65831	SLE RA 13	-37.9	142413	-20781	-65831	SLE RA 13	-541.6	Si
5	95468	-28067	-65700	SLE RA 13	-36.3	95468	-28067	-65700	SLE RA 13	-520.3	Si
35	48522	-35354	-65569	SLE RA 13	-34.7	48522	-35354	-65569	SLE RA 13	-499	Si
64	1577	-42641	-65438	SLE RA 13	-33.2	1577	-42641	-65438	SLE RA 13	-478.3	Si
93	-45369	-49927	-65307	SLE RA 13	-35.7	-45369	-49927	-65307	SLE RA 13	-507.5	Si
122	-92314	-57214	-65176	SLE RA 13	-38.4	-92314	-57214	-65176	SLE RA 13	-539	Si
151	-139259	-64501	-65045	SLE RA 13	-41.1	-139259	-64501	-65045	SLE RA 13	-570.6	Si
180	-185398	-71662	-64917	SLE RA 13	-43.8	-185398	-71662	-64917	SLE RA 13	-601.6	Si
200	16222	69793	-61222	SLE RA 12	-34.2	16222	69793	-61222	SLE RA 12	-479.9	Si
232	56440	79373	-61080	SLE RA 12	-36.8	56440	79373	-61080	SLE RA 12	-509.5	Si
264	97295	89106	-60936	SLE RA 12	-39.5	97295	89106	-60936	SLE RA 12	-539.5	Si
296	108952	117330	-60410	SLE RA 13	-42.2	138150	98838	-60792	SLE RA 12	-569.6	Si
328	149470	144649	-60266	SLE RA 13	-46.3	149470	144649	-60266	SLE RA 13	-610.2	Si
360	189356	171541	-60125	SLE RA 13	-50.3	189356	171541	-60125	SLE RA 13	-653.8	Si
380	-53963	-118842	-46696	SLE RA 12	-33.6	-53963	-118842	-46696	SLE RA 12	-443.5	Si
414	-81092	-108546	-46544	SLE RA 12	-33.9	-81092	-108546	-46544	SLE RA 12	-449.3	Si
448	-108221	-98249	-46392	SLE RA 12	-34.2	-108221	-98249	-46392	SLE RA 12	-455	Si
481	-135351	-87953	-46240	SLE RA 12	-34.5	-135351	-87953	-46240	SLE RA 12	-460.8	Si
515	-162078	-77809	-46091	SLE RA 12	-34.8	-162078	-77809	-46091	SLE RA 12	-466.5	Si
535	42925	94873	-41534	SLE RA 13	-28.7	42925	94873	-41534	SLE RA 13	-382.7	Si
569	39236	84165	-41385	SLE RA 13	-27.6	39236	84165	-41385	SLE RA 13	-370.8	Si
603	35493	73296	-41233	SLE RA 13	-26.4	35493	73296	-41233	SLE RA 13	-358.7	Si
636	31050	67480	-41333	SLE RA 12	-25.8	31050	67480	-41333	SLE RA 12	-352.1	Si
670	27919	62847	-41181	SLE RA 12	-25.2	27919	62847	-41181	SLE RA 12	-345.5	Si
690	69396	-44317	-34512	SLE RA 13	-22.5	69396	-44317	-34512	SLE RA 13	-308.5	Si
724	38862	-54669	-34362	SLE RA 13	-21.9	38862	-54669	-34362	SLE RA 13	-298.9	Si
758	7869	-65176	-34211	SLE RA 13	-21.3	7869	-65176	-34211	SLE RA 13	-289.1	Si
791	-36233	-76107	-34299	SLE RA 12	-23.6	-36233	-76107	-34299	SLE RA 12	-314.7	Si
825	-72016	-90184	-34147	SLE RA 12	-26.3	-72016	-90184	-34147	SLE RA 12	-345.4	Si
845	165714	83691	-29333	SLE RA 13	-27.9	165714	83691	-29333	SLE RA 13	-360.2	Si
879	167569	85364	-29184	SLE RA 13	-28.1	167569	85364	-29184	SLE RA 13	-361.6	Si
913	169452	87063	-29032	SLE RA 13	-28.2	169452	87063	-29032	SLE RA 13	-363.1	Si
946	172692	87729	-29008	SLE RA 12	-28.4	172692	87729	-29008	SLE RA 12	-365.3	Si
980	178814	89998	-28856	SLE RA 12	-28.8	178814	89998	-28856	SLE RA 12	-369.6	Si
1000	-118698	-61802	-15233	SLE RA 13	-17.5	-118698	-61802	-15233	SLE RA 13	-220.6	Si
1034	-128631	-71742	-15083	SLE RA 13	-18.8	-128631	-71742	-15083	SLE RA 13	-233.3	Si
1068	-141479	-80658	-15055	SLE RA 12	-20.1	-141479	-80658	-15055	SLE RA 12	-247.7	Si
1101	-156506	-89769	-14903	SLE RA 12	-21.5	-156506	-89769	-14903	SLE RA 12	-262.7	Si
1135	-171533	-98879	-14751	SLE RA 12	-22.9	-171533	-98879	-14751	SLE RA 12	-277.6	Si
1155	60613	75437	-10144	SLE RA 12	-13.8	68753	71122	-10112	SLE RA 13	-165.6	Si
1189	69986	70903	-9962	SLE RA 13	-13.7	69986	70903	-9962	SLE RA 13	-165.1	Si
1223	71238	70681	-9811	SLE RA 13	-13.7	71238	70681	-9811	SLE RA 13	-164.6	Si
1256	72490	70460	-9659	SLE RA 13	-13.7	72490	70460	-9659	SLE RA 13	-164.1	Si
1290	73742	70238	-9507	SLE RA 13	-12.3	73742	70238	-9507	SLE RA 13	-148.1	Si
1310	93134	-25728	-3264	SLE RA 12	-31.9	93134	-25728	-3264	SLE RA 12	350.1	Si
1340	64466	-23109	-3198	SLE RA 12	-18.7	64466	-23109	-3198	SLE RA 12	-196.6	Si
1370	35313	-20447	-3130	SLE RA 12	-13.2	35313	-20447	-3130	SLE RA 12	-143.4	Si
1400	6160	-17784	-3063	SLE RA 12	-7.2	6160	-17784	-3063	SLE RA 12	-84.3	Si
1430	-23497	-14212	-3146	SLE RA 8	-9.9	-23497	-14212	-3146	SLE RA 8	-111.2	Si
1460	-52364	-11708	-3079	SLE RA 8	-14.9	-52364	-11708	-3079	SLE RA 8	-159.2	Si
1490	-81300	-9796	-2860	SLE RA 12	-31.5	-81300	-9796	-2860	SLE RA 12	551.9	Si
1520	-110454	-7133	-2793	SLE RA 12	-41	-110454	-7133	-2793	SLE RA 12	824.9	Si
1550	-139607	-4470	-2725	SLE RA 12	-50.2	-139607	-4470	-2725	SLE RA 12	1098.8	Si
1580	-168760	-1807	-2658	SLE RA 12	-59.4	-168760	-1807	-2658	SLE RA 12	1373.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	237486	20614	-57687	SLE QP 2	-38.6	Si
-111	204252	14918	-57558	SLE QP 2	-36.5	Si
-82	170436	9123	-57427	SLE QP 2	-34.4	Si
-53	136621	3328	-57296	SLE QP 2	-32.3	Si
-24	102805	-2467	-57165	SLE QP 2	-30.6	Si
5	68989	-8262	-57034	SLE QP 2	-29.5	Si
35	35174	-14057	-56903	SLE QP 2	-28.4	Si
64	1358	-19852	-56773	SLE QP 2	-27.3	Si
93	-32457	-25647	-56642	SLE QP 2	-29.2	Si
122	-66273	-31442	-56511	SLE QP 2	-31.1	Si
151	-100089	-37237	-56380	SLE QP 2	-33.1	Si
180	-133323	-42932	-56251	SLE QP 2	-35.1	Si
200	11255	58482	-52762	SLE QP 2	-29.2	Si
232	45513	66189	-52621	SLE QP 2	-31.4	Si
264	80315	74019	-52477	SLE QP 2	-33.6	Si
296	115117	81849	-52333	SLE QP 2	-35.8	Si
328	149919	89679	-52189	SLE QP 2	-38	Si
360	184178	97386	-52047	SLE QP 2	-40.1	Si
380	-41726	-101861	-40045	SLE QP 2	-28.6	Si
414	-64380	-91742	-39893	SLE QP 2	-28.7	Si
448	-87033	-81623	-39741	SLE QP 2	-28.8	Si
481	-109686	-71504	-39589	SLE QP 2	-28.9	Si
515	-132004	-61535	-39440	SLE QP 2	-29	Si
535	30338	67056	-35988	SLE QP 2	-23.3	Si
569	28719	64382	-35839	SLE QP 2	-22.9	Si
603	27075	61668	-35687	SLE QP 2	-22.6	Si
636	25431	58954	-35535	SLE QP 2	-22.2	Si
670	23788	56240	-35383	SLE QP 2	-21.8	Si
690	57150	-33208	-29482	SLE QP 2	-18.7	Si
724	28860	-42876	-29332	SLE QP 2	-18.2	Si
758	145	-52691	-29180	SLE QP 2	-17.6	Si
791	-28571	-62505	-29028	SLE QP 2	-19.7	Si
825	-57286	-72319	-28877	SLE QP 2	-21.8	Si
845	124680	65987	-25119	SLE QP 2	-22.6	Si
879	130700	67912	-24969	SLE QP 2	-23	Si
913	136810	69866	-24817	SLE QP 2	-23.4	Si
946	142921	71819	-24665	SLE QP 2	-23.7	Si
980	149031	73773	-24513	SLE QP 2	-24.1	Si
1000	-92971	-52832	-12791	SLE QP 2	-14.5	Si
1034	-104962	-59176	-12641	SLE QP 2	-15.5	Si
1068	-117133	-65614	-12489	SLE QP 2	-16.6	Si
1101	-129305	-72053	-12338	SLE QP 2	-17.6	Si
1135	-141476	-78492	-12186	SLE QP 2	-18.6	Si
1155	45019	62270	-8493	SLE QP 2	-11.2	Si
1189	49479	60990	-8343	SLE QP 2	-11.2	Si
1223	54006	59691	-8191	SLE QP 2	-11.2	Si
1256	58533	58392	-8039	SLE QP 2	-11.3	Si
1290	63060	57093	-7887	SLE QP 2	-10.2	Si
1310	73424	-21790	-2659	SLE QP 2	-19	Si
1340	50817	-19575	-2593	SLE QP 2	-15	Si
1370	27827	-17322	-2525	SLE QP 2	-10.7	Si
1400	4837	-15069	-2458	SLE QP 2	-5.9	Si
1430	-18153	-12816	-2390	SLE QP 2	-7.9	Si
1460	-41144	-10564	-2323	SLE QP 2	-11.9	Si
1490	-64134	-8311	-2255	SLE QP 2	-15.8	Si
1520	-87124	-6058	-2188	SLE QP 2	-32.5	Si
1550	-110114	-3806	-2120	SLE QP 2	-39.7	Si
1580	-133105	-1553	-2053	SLE QP 2	-46.9	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

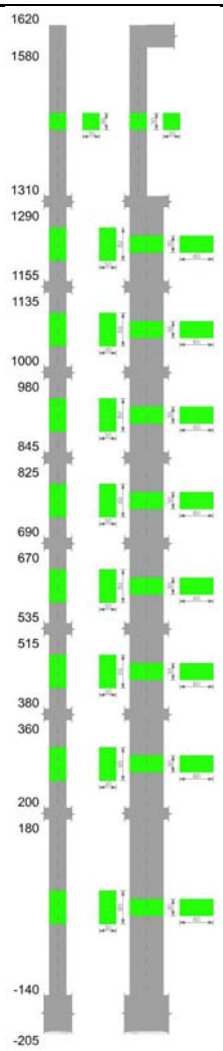
Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 190 in quanto elemento non dissipativo.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 1600 in quanto elemento di estremità superiore alla pilastrata.
per il nodo Appoggio 1145 in quanto elemento non dissipativo.
per il nodo Appoggio 835 in quanto nodo interno a piastra.
per il nodo Appoggio 525 in quanto elemento non dissipativo.

Pilastro 69

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	180	R 30x60	No	No	No	No		C30/37	B450C	
200	360	R 30x60	No	No	No	No		C30/37	B450C	
380	515	R 30x60	No	No	No	No		C30/37	B450C	
535	670	R 30x60	No	No	No	No		C30/37	B450C	
690	825	R 30x60	No	No	No	No		C30/37	B450C	
845	980	R 30x60	No	No	No	No		C30/37	B450C	
1000	1135	R 30x60	No	No	No	No		C30/37	B450C	
1155	1290	R 30x60	No	No	No	No		C30/37	B450C	
1310	1580	R 30x30 1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-17.13	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	8.57	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	-9.9	17.13	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-17.13	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	0	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	8.57	1.6	2.011	-172.5	-140	R 30x60	B450C
p.1	9.9	17.13	1.6	2.011	-172.5	-140	R 30x60	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-17.13	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	-8.57	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	8.57	1.6	2.011	-140	380	R 30x60	B450C
p.2	-9.9	17.13	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-17.13	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	-8.57	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	8.57	1.6	2.011	-140	380	R 30x60	B450C
p.2	9.9	17.13	1.6	2.011	-140	380	R 30x60	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-17.13	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	-8.57	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	8.57	1.6	2.011	380	690	R 30x60	B450C
p.3	-9.9	17.13	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-17.13	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	-8.57	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	8.57	1.6	2.011	380	690	R 30x60	B450C
p.3	9.9	17.13	1.6	2.011	380	690	R 30x60	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	-17.13	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	-8.57	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	8.57	1.6	2.011	690	1000	R 30x60	B450C
p.4	-9.9	17.13	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	-17.13	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	-8.57	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	0	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	8.57	1.6	2.011	690	1000	R 30x60	B450C
p.4	9.9	17.13	1.6	2.011	690	1000	R 30x60	B450C
p.5	-9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.67	-24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.6	9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.6	-9.67	24.67	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	-17.13	1.6	2.011	1000	1310	R 30x60	B450C
p.5	-9.9	-8.57	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	-17.13	1.6	2.011	1000	1310	R 30x60	B450C
p.5	9.9	-8.57	1.6	2.011	1000	1310	R 30x60	B450C
p.8	-9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.8	-9.9	8.57	1.6	2.011	1000	1310	R 30x60	B450C
p.8	-9.9	17.13	1.6	2.011	1000	1310	R 30x60	B450C
p.8	9.9	0	1.6	2.011	1000	1310	R 30x60	B450C
p.8	9.9	8.57	1.6	2.011	1000	1310	R 30x60	B450C
p.8	9.9	17.13	1.6	2.011	1000	1310	R 30x60	B450C
p.9	-9.67	-24.67	1.6	2.011	1310	1620	R 30x30_1	B450C
p.9	9.67	-24.67	1.6	2.011	1310	1620	R 30x30_1	B450C
p.9	9.67	-5.33	1.6	2.011	1310	1620	R 30x30_1	B450C
p.9	-9.67	-5.33	1.6	2.011	1310	1620	R 30x30_1	B450C
p.10	-9.9	-15	1.6	2.011	1310	1620	R 30x30_1	B450C
p.10	9.9	-15	1.6	2.011	1310	1620	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	28.15	3.1	0	1,2	473628	-147407	-73704	1927946	-600036	SLU 51	4.071	Si
-111	28.15	3.1	0	1,2	411565	-147073	-73536	1736126	-620406	SLU 51	4.218	Si
-82	28.15	1.6	0	2	348416	-146733	-73366	1523183	-641476	SLU 51	4.372	Si
-53	28.15	1.6	0	2	285268	-146392	-73196	1289524	-661751	SLU 51	4.52	Si
-24	28.15	1.6	0	2	222120	146052	-73026	1035408	680819	SLU 51	4.661	Si
5	28.15	1.6	0	2	158971	145712	-72856	760031	696638	SLU 51	4.781	Si
35	28.15	1.6	0	2	145392	-145392	-72696	699019	-699019	SLU 52	4.808	Si
64	28.15	1.6	0	2	145051	145051	-72526	699019	699019	SLU 52	4.819	Si
93	28.15	1.6	0	2	-144711	144711	-72356	-699019	699019	SLU 52	4.83	Si
122	28.15	1.6	0	2	-144371	144371	-72185	-699019	699019	SLU 52	4.842	Si
151	28.15	1.6	0	2	-156771	144010	-72005	-758440	696702	SLU 51	4.838	Si
180	28.15	1.6	0	2	-218834	143675	-71838	-1036823	680724	SLU 51	4.738	Si
200	28.15	1.6	0	2	-157438	-141363	-70682	-775177	-696032	SLU 51	4.924	Si
232	28.15	1.6	0	2	-140995	-140995	-70497	-699019	-699019	SLU 51	4.958	Si
264	28.15	1.6	0	2	-140621	-140621	-70310	-699019	-699019	SLU 51	4.971	Si
296	28.15	1.6	0	2	140246	-140246	-70123	699019	-699019	SLU 51	4.984	Si
328	28.15	1.6	0	2	139872	-139872	-69936	699019	-699019	SLU 51	4.998	Si
360	28.15	1.6	0	2	183091	-139503	-69752	904138	-688894	SLU 51	4.938	Si
380	28.15	3.1	0	2,3	112188	164245	-56094	649466	950825	SLU 52	5.789	Si
414	28.15	3.1	0	2,3	111793	142145	-55897	669894	851770	SLU 52	5.992	Si
448	28.15	1.6	0	3	-111398	120045	-55699	-690616	744223	SLU 52	6.2	Si
481	28.15	1.6	0	3	-111246	111246	-55623	-699019	699019	SLU 51	6.284	Si
515	28.15	1.6	0	3	-110857	110857	-55428	-699019	699019	SLU 51	6.306	Si
535	28.15	1.6	0	3	158119	-140839	-49960	1011239	-900726	SLU 51	6.395	Si
569	28.15	1.6	0	3	115855	-117538	-49762	786003	-797424	SLU 51	6.784	Si
603	28.15	1.6	0	3	99130	-99130	-49565	699019	-699019	SLU 51	7.052	Si
636	28.15	1.6	0	3	98735	-98735	-49367	699019	-699019	SLU 51	7.08	Si
670	28.15	1.6	0	3	-98346	-98346	-49173	-699019	-699019	SLU 51	7.108	Si
690	28.15	3.1	0	3,4	79142	82273	-39571	694721	722202	SLU 52	8.778	Si
724	28.15	3.1	0	3,4	78748	87849	-39374	686559	765907	SLU 52	8.718	Si
758	28.15	1.6	0	4	-78531	93166	-39266	-679135	805701	SLU 51	8.648	Si
791	28.15	1.6	0	4	-78136	104155	-39068	-663311	884190	SLU 51	8.489	Si
825	28.15	1.6	0	4	-103997	114981	-38874	-855825	946215	SLU 51	8.229	Si
845	28.15	1.6	0	4	189849	-106153	-32638	1648021	-921480	SLU 52	8.681	Si
879	28.15	1.6	0	4	121856	-91557	-32443	1178661	-885598	SLU 52	9.673	Si
913	28.15	1.6	0	4	64492	-76742	-32246	678750	-807680	SLU 52	10.525	Si
946	28.15	1.6	0	4	-64177	-64177	-32088	-699019	-699019	SLU 51	10.892	Si
980	28.15	1.6	0	4	-85192	-63702	-31851	-920060	-687970	SLU 52	10.8	Si
1000	28.15	3.1	0	4,5,6,8	-44583	80850	-22291	-614671	1114693	SLU 51	13.787	Si
1034	28.15	3.1	0	4,5,6,8	-44194	85763	-22097	-602656	1169524	SLU 51	13.637	Si
1068	28.15	1.6	0	5,6,8	-43705	91713	-21853	-587545	1232933	SLU 52	13.443	Si
1101	28.15	1.6	0	5,6,8	-43310	97518	-21655	-573529	1291367	SLU 52	13.242	Si
1135	28.15	1.6	0	5,6,8	-42916	103323	-21458	-559496	1347042	SLU 52	13.037	Si
1155	28.15	1.6	0	5,6,8	315782	-128161	-14826	2550633	-1035181	SLU 51	8.077	Si
1189	28.15	1.6	0	5,6,8	258072	-118419	-14602	2425064	-1112765	SLU 52	9.397	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1223	28.15	1.6	0	5,6,8	193229	-114766	-14404	2130176	-1265196	SLU 52	11.024	Si
1256	28.15	1.6	0	5,6,8	128385	-111113	-14207	1659883	-1436577	SLU 52	12.929	Si
1290	42.72	3.4	0	5,6,7,8	64502	-107514	-14013	1128498	-1881025	SLU 52	17.496	Si
1310	28.15	4.5	0	5,7,9,10	38049	34889	-4250	704262	645772	SLU 47	18.509	Si
1340	18.63	4.5	0	5,7,9,10	13546	31249	-4162	348902	804883	SLU 47	25.757	Si
1370	12.06	1.3	0	9,10	-12068	29160	-3848	-302610	731217	SLU 51	25.076	Si
1400	12.06	1.3	0	9,10	-36517	25309	-3760	-628031	435263	SLU 51	17.198	Si
1430	12.06	1.3	0	9,10	-60967	21457	-3672	-712647	250819	SLU 51	11.689	Si
1460	12.06	1.3	0	9,10	-85416	17606	-3584	-716034	147592	SLU 51	8.383	Si
1490	12.06	1.3	0	9,10	-109866	13755	-3497	-693312	86803	SLU 51	6.311	Si
1520	12.06	1.3	0	9,10	-134316	9904	-3409	-673488	49662	SLU 51	5.014	Si
1550	12.06	1.3	0	9,10	-158765	6642	-3321	-649450	27171	SLU 51	4.091	Si
1580	12.06	1.3	0	9,10	-183215	6467	-3233	-629053	22203	SLU 51	3.433	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	28.15	3.1	0	1,2	976574	192938	-41669	-2.02	1.92	2408950	475927	SLV 1	2.467				Si
-111	28.15	3.1	0	1,2	876681	185242	-41540	-2.02	1.92	2375661	501975	SLV 1	2.71				Si
-82	28.15	1.6	0	2	873996	-80020	-58839	-2.02	1.92	2615129	-239431	SLV 5	2.992				Si
-53	28.15	1.6	0	2	549711	-191804	-63851	-2.02	1.92	1820728	-635284	SLV 9	3.312				Si
-24	28.15	1.6	0	2	473446	-170083	-63720	-2.02	1.92	1699033	-610368	SLV 9	3.589				Si
5	28.15	1.6	0	2	397218	-148834	-63589	-2.02	1.92	1543183	-578218	SLV 9	3.885				Si
35	28.15	1.6	0	2	321036	-128272	-63459	-2.02	1.92	1348967	-538987	SLV 9	4.202				Si
64	28.15	1.6	0	2	244894	-108638	-63328	-2.02	1.92	1114183	-494265	SLV 9	4.55				Si
93	28.15	1.6	0	2	178733	-67678	-63197	-2.02	1.92	906056	-343081	SLV 9	5.069				Si
122	28.15	1.6	0	2	92148	127607	-57923	-2.02	1.92	487205	674686	SLV 5	5.287				Si
151	28.15	1.6	0	2	13055	122289	-57792	-2.02	1.92	73901	692246	SLV 5	5.661				Si
180	28.15	1.6	0	2	-68936	120279	-57663	-2.02	1.92	-376784	657404	SLV 5	5.466				Si
200	28.15	1.6	0	2	-277409	237561	-47016	-2.02	1.92	-1191012	1019935	SLV 3	4.293				Si
232	28.15	1.6	0	2	136252	-142861	-53782	-2.02	1.92	715576	-750286	SLV 9	5.252				Si
264	28.15	1.6	0	2	82942	-84082	-53638	-2.02	1.92	504512	-511446	SLV 9	6.083				Si
296	28.15	1.6	0	2	-16995	-40767	-58034	-2.02	1.92	-105640	-253413	SLV 5	6.216				Si
328	28.15	1.6	0	2	87926	-97561	-54170	-2.02	1.92	515804	-572324	SLV 1	5.866				Si
360	28.15	1.6	0	2	248315	-211933	-46301	-2.02	1.92	1151336	-982648	SLV 3	4.637				Si
380	28.15	3.1	0	2,3	-84550	33717	-49210	-2.02	1.92	-606473	241853	SLV 9	7.173				Si
414	28.15	3.1	0	2,3	-65395	97566	-49058	-2.02	1.92	-421477	628825	SLV 9	6.445				Si
448	28.15	1.6	0	3	-63597	110705	-48906	-2.02	1.92	-401056	698127	SLV 9	6.306				Si
481	28.15	1.6	0	3	18982	131229	-48754	-2.02	1.92	119494	826110	SLV 9	6.295				Si
515	28.15	1.6	0	3	20532	153374	-48605	-2.02	1.92	123934	925773	SLV 9	6.036				Si
535	28.15	1.6	0	3	466187	-149421	-40879	-2.02	1.92	2025810	-649309	SLV 5	4.345				Si
569	28.15	1.6	0	3	293611	-117638	-40727	-2.02	1.92	1637079	-655912	SLV 5	5.576				Si
603	28.15	1.6	0	3	128589	-105959	-40575	-2.02	1.92	874990	-721001	SLV 5	6.805				Si
636	28.15	1.6	0	3	-47723	-91639	-40423	-2.02	1.92	-365804	-702427	SLV 5	7.665				Si
670	28.15	1.6	0	3	-180945	-98631	-37908	-2.02	1.92	-1232198	-671654	SLV 1	6.81				Si
690	28.15	3.1	0	3,4	129724	122925	-14136	-2.02	1.92	1223390	1159271	SLV 7	9.431				Si
724	28.15	3.1	0	3,4	-113048	32327	-31010	-2.02	1.92	-1122134	320882	SLV 5	9.926				Si
758	28.15	1.6	0	4	-89820	90080	-30858	-2.02	1.92	-791741	794035	SLV 5	8.815				Si
791	28.15	1.6	0	4	-86200	125554	-33495	-2.02	1.92	-662044	964297	SLV 9	7.68				Si
825	28.15	1.6	0	4	-12053	166825	-33346	-2.02	1.92	-90316	1250068	SLV 9	7.493				Si
845	28.15	1.6	0	4	435289	-126868	-25116	-2.02	1.92	2178884	-635051	SLV 5	5.006				Si
879	28.15	1.6	0	4	243546	-100033	-24967	-2.02	1.92	1816009	-745901	SLV 5	7.457				Si
913	28.15	1.6	0	4	55662	-83481	-24815	-2.02	1.92	603617	-905299	SLV 5	10.844				Si
946	28.15	1.6	0	4	-156632	-83065	-24663	-2.02	1.92	-1442505	-764990	SLV 5	9.209				Si
980	28.15	1.6	0	4	-280671	-109088	-23597	-2.02	1.92	-1926418	-748736	SLV 1	6.864				Si
1000	28.15	3.1	0	4,5,6,8	218454	81830	-8386	-2.02	1.92	1967273	736912	SLV 11	9.005				Si
1034	28.15	3.1	0	4,5,6,8	-170549	59879	-17986	-2.02	1.92	-1881403	660550	SLV 5	11.031				Si
1068	28.15	1.6	0	5,6,8	-103329	80598	-17834	-2.02	1.92	-1227616	957559	SLV 5	11.881				Si
1101	28.15	1.6	0	5,6,8	-50424	138041	-16273	-2.02	1.92	-518296	1418882	SLV 9	10.279				Si
1135	28.15	1.6	0	5,6,8	52764	183714	-16121	-2.02	1.92	433650	1509886	SLV 9	8.219				Si
1155	28.15	1.6	0	5,6,8	524673	-136630	-8392	-2.02	1.92	1811236	-471663	SLV 5	3.452				Si
1189	28.15	1.6	0	5,6,8	378298	-116511	-8241	-2.02	1.92	1899994	-585176	SLV 5	5.022				Si
1223	28.15	1.6	0	5,6,8	249496	-122251	-8089	-2.02	1.92	1730888	-848120	SLV 5	6.938				Si
1256	28.15	1.6	0	5,6,8	161557	-137998	-9805	-2.02	1.92	1303057	-1113039	SLV 3	8.066				Si
1290	42.72	3.4	0	5,6,7,8	230736	-137486	-9478	-2.02	1.92	1842997	-1098163	SLV 7	7.987				Si
1310	28.15	4.5	0	5,7,9,10	-137374	-6173	-2012	-2.02	1.92	-558685	-25104	SLV 5	4.067				Si
1340	18.63	4.5	0	5,7,9,10	-126555	-5603	-1945	-2.02	1.92	-509400	-22554	SLV 5	4.025				Si
1370	12.06	1.3	0	9,10	-116645	-5034	-1877	-2.02	1.92	-471694	-20357	SLV 5	4.044				Si
1400	12.06	1.3	0	9,10	-108379	-4465	-1810	-2.02	1.92	-475043	-19569	SLV 5	4.383				Si
1430	12.06	1.3	0	9,10	-103335	-3895	-1742	-2.02	1.92	-476562	-17965	SLV 5	4.612				Si
1460	12.06	1.3	0	9,10	-104785	-3326	-1675	-2.02	1.92	-473509	-15029	SLV 5	4.519				Si
1490	12.06	1.3	0	9,10	-117203	-2756	-1607	-2.02	1.92	-464226	-10918	SLV 5	3.961				Si
1520	12.06	1.3	0	9,10	-141220	-2187	-1540	-2.02	1.92	-452745	-7011	SLV 5	3.206				Si
1550	12.06	1.3	0	9,10	-172576	-1616	-1472	-2.02	1.92	-443245	-4152	SLV 5	2.568				Si
1580	12.06	1.3	0	9,10	-207571	-1042	-1405	-2.02	1.92	-436365	-2190	SLV 5	2.102				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	28.15	3.1	0	1,2	586186	-47999	-50707	2455627	-201073	SLD 5	4.189	Si
-111	28.15	3.1	0	1,2	524094	-40500	-50578	2355441	-182020	SLD 5	4.494	Si
-82	28.15	1.6	0	2	364089	-85579	-52461	1750921	-411552	SLD 9	4.809	Si
-53	28.15	1.6	0	2	312512	-74306	-52330	1597773	-379901	SLD 9	5.113	Si
-24	28.15	1.6	0	2	260951	-63179	-52199	1420337	-343878	SLD 9	5.443	Si
5	28.15	1.6	0	2	209409	-52242	-52068	1218298	-303932	SLD 9	5.818	Si
35	28.15	1.6	0	2	157891	-41581	-51937	986045	-259675	SLD 9	6.245	Si
64	28.15	1.6	0	2	106397	-31294	-51806	716588	-210767	SLD 9	6.735	Si
93	28.15	1.6	0	2	58829	-12690	-51675	410684	-88589	SLD 9	6.981	Si
122	28.15	1.6	0	2	22597	39540	-51544	158146	276728	SLD 9	6.999	Si
151	28.15	1.6	0	2	-49238	66651	-49400	-341532	462316	SLD 5	6.936	Si
180	28.15	1.6	0	2	-102175	68420	-49271	-670741	449157	SLD 5	6.565	Si
200	28.15	1.6	0	2	-164647	92194	-44763	-1039347	581982	SLD 3	6.313	Si
232	28.15	1.6	0	2	-101484	54017	-44621	-740460	394125	SLD 3	7.296	Si
264	28.15	1.6	0	2	15666	-27175	-48943	115465	-200296	SLD 5	7.371	Si
296	28.15	1.6	0	2	6329	-28550	-48799	46789	-211047	SLD 5	7.392	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
328	28.15	1.6	0	2	100859	-65804	-44189	723746	-472194	SLD 3	7.176	Si
360	28.15	1.6	0	2	163186	-103594	-44048	1021196	-648278	SLD 3	6.258	Si
380	28.15	3.1	0	2,3	-8898	55035	-40158	-78545	485790	SLD 9	8.827	Si
414	28.15	3.1	0	2,3	-17016	77590	-40006	-140592	641063	SLD 9	8.262	Si
448	28.15	1.6	0	3	-31761	75992	-39854	-260141	622413	SLD 9	8.19	Si
481	28.15	1.6	0	3	-37614	77301	-38103	-315684	648762	SLD 13	8.393	Si
515	28.15	1.6	0	3	-66006	78529	-37953	-535877	637552	SLD 13	8.119	Si
535	28.15	1.6	0	3	237674	-105211	-34684	1563291	-692017	SLD 5	6.577	Si
569	28.15	1.6	0	3	155773	-85927	-34532	1188171	-655413	SLD 5	7.628	Si
603	28.15	1.6	0	3	78003	-75500	-34380	674811	-653157	SLD 5	8.651	Si
636	28.15	1.6	0	3	25670	-69978	-33304	246994	-673320	SLD 1	9.622	Si
670	28.15	1.6	0	3	-75597	-58835	-33154	-704263	-548104	SLD 1	9.316	Si
690	28.15	3.1	0	3,4	88994	59245	-21258	1091878	726889	SLD 11	12.269	Si
724	28.15	3.1	0	3,4	-44577	42590	-26677	-540375	516282	SLD 5	12.122	Si
758	28.15	1.6	0	4	-48827	69667	-26525	-536529	765524	SLD 5	10.988	Si
791	28.15	1.6	0	4	-60692	86450	-27467	-606396	863754	SLD 9	9.991	Si
825	28.15	1.6	0	4	-38119	105294	-27318	-371804	1027011	SLD 9	9.754	Si
845	28.15	1.6	0	4	235103	-83426	-21996	1940322	-688516	SLD 5	8.253	Si
879	28.15	1.6	0	4	137153	-69163	-21847	1453329	-732877	SLD 5	10.596	Si
913	28.15	1.6	0	4	40456	-59381	-21695	537656	-789172	SLD 5	13.29	Si
946	28.15	1.6	0	4	-67466	-55284	-21543	-869231	-712278	SLD 5	12.884	Si
980	28.15	1.6	0	4	-139302	-61590	-21030	-1538856	-680385	SLD 1	11.047	Si
1000	28.15	3.1	0	4,5,6,8	-85958	65059	-14682	-1246251	943243	SLD 1	14.498	Si
1034	28.15	3.1	0	4,5,6,8	-62415	63221	-14533	-981437	994098	SLD 1	15.724	Si
1068	28.15	1.6	0	5,6,8	-46609	63835	-14882	-753284	1031684	SLD 5	16.162	Si
1101	28.15	1.6	0	5,6,8	-27382	88172	-14173	-410449	1321662	SLD 9	14.99	Si
1135	28.15	1.6	0	5,6,8	21163	107281	-14021	286307	1451370	SLD 9	13.529	Si
1155	28.15	1.6	0	5,6,8	318194	-95982	-8661	2081041	-627737	SLD 5	6.54	Si
1189	28.15	1.6	0	5,6,8	240986	-86706	-8509	1990399	-716139	SLD 5	8.259	Si
1223	28.15	1.6	0	5,6,8	172888	-88434	-8357	1731158	-885507	SLD 5	10.013	Si
1256	28.15	1.6	0	5,6,8	132118	-85886	-8968	1543652	-1003474	SLD 7	11.684	Si
1290	42.72	3.4	0	5,6,7,8	123798	-91177	-8818	1651291	-1216175	SLD 7	13.339	Si
1310	28.15	4.5	0	5,7,9,10	91445	33197	-2568	710424	257904	SLD 11	7.769	Si
1340	18.63	4.5	0	5,7,9,10	65801	29759	-2500	594555	268887	SLD 11	9.036	Si
1370	12.06	1.3	0	9,10	-56323	7047	-2062	-563506	70505	SLD 5	10.005	Si
1400	12.06	1.3	0	9,10	-58828	6070	-1994	-554143	57181	SLD 5	9.42	Si
1430	12.06	1.3	0	9,10	-62892	5093	-1927	-540737	43793	SLD 5	8.598	Si
1460	12.06	1.3	0	9,10	-70611	4117	-1859	-521783	30420	SLD 5	7.39	Si
1490	12.06	1.3	0	9,10	-84957	3140	-1792	-498273	18415	SLD 5	5.865	Si
1520	12.06	1.3	0	9,10	-105429	2163	-1724	-477687	9800	SLD 5	4.531	Si
1550	12.06	1.3	0	9,10	-128945	1186	-1657	-463034	4260	SLD 5	3.591	Si
1580	12.06	1.3	0	9,10	-153743	211	-1589	-452878	622	SLD 5	2.946	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	7X/2Y Ø8/10	725	-69558	SLU 46	15366	58630	58927	1.9	80.92	-2171	-73704	SLU 51	15029	48390	54705	2.5	22.29	Si
-111	7X/2Y Ø8/10	725	-69391	SLU 46	15366	58630	58901	1.9	80.92	-2171	-73536	SLU 51	15029	48390	54681	2.5	22.29	Si
-82	7X/2Y Ø8/10	725	-69221	SLU 46	15366	58630	58875	1.9	80.92	-2171	-73366	SLU 51	15029	48390	54657	2.5	22.29	Si
-53	7X/2Y Ø8/10	725	-69051	SLU 46	15366	58630	58849	1.9	80.92	-2171	-73196	SLU 51	15029	48390	54633	2.5	22.29	Si
-24	7X/2Y Ø8/14.7	725	-68880	SLU 46	15366	50249	50671	2.4	69.36	-2171	-73026	SLU 51	15029	32833	54609	2.5	15.13	Si
5	7X/2Y Ø8/14.7	725	-68710	SLU 46	15366	50249	50648	2.4	69.36	-2171	-72856	SLU 51	15029	32833	54585	2.5	15.13	Si
35	7X/2Y Ø8/14.7	725	-68540	SLU 46	15366	50249	50626	2.4	69.36	-2171	-72686	SLU 51	15029	32833	54561	2.5	15.13	Si
64	7X/2Y Ø8/14.7	725	-68370	SLU 46	15366	50249	50603	2.4	69.36	-2171	-72515	SLU 51	15029	32833	54537	2.5	15.13	Si
93	7X/2Y Ø8/14.7	725	-68200	SLU 46	15366	50249	50581	2.4	69.36	-2171	-72345	SLU 51	15029	32833	54513	2.5	15.13	Si
122	7X/2Y Ø8/14.7	725	-68030	SLU 46	15366	50249	50558	2.4	69.36	-2171	-72175	SLU 51	15029	32833	54489	2.5	15.13	Si
151	7X/2Y Ø8/14.7	725	-67859	SLU 46	15366	50249	50535	2.4	69.36	-2171	-72005	SLU 51	15029	32833	54465	2.5	15.13	Si
180	7X/2Y Ø8/14.7	725	-67692	SLU 46	15366	50249	50513	2.4	69.36	-2171	-71838	SLU 51	15029	32833	54441	2.5	15.13	Si
200	7X/2Y Ø8/14.7	492	-46188	SLU 7	13317	48156	49089	2.3	97.96	2151	-70146	SLU 49	15029	32833	54202	2.5	15.26	Si
232	7X/2Y Ø8/14.7	492	-46046	SLU 7	13299	48156	49069	2.3	97.96	2151	-69961	SLU 49	15029	32833	54176	2.5	15.26	Si
264	7X/2Y Ø8/10	492	-45902	SLU 7	13281	55539	56946	1.8	112.98	2151	-69774	SLU 49	15029	48385	54150	2.5	22.49	Si
296	7X/2Y Ø8/10	492	-45758	SLU 7	13263	55539	56924	1.8	112.98	2151	-69587	SLU 49	15029	48385	54123	2.5	22.49	Si
328	7X/2Y Ø8/10	492	-45614	SLU 7	13245	55539	56901	1.8	112.98	2151	-69400	SLU 49	15029	48385	54097	2.5	22.49	Si
360	7X/2Y Ø8/10	492	-45472	SLU 7	13228	55539	56878	1.8	112.98	2151	-69216	SLU 49	15029	48385	54071	2.5	22.49	Si
380	7X/2Y Ø8/10	-739	-52239	SLU 45	14070	57082	57103	1.85	77.23	-1256	-55681	SLU 49	14077	48385	52157	2.5	38.53	Si
414	7X/2Y Ø8/10	-739	-52042	SLU 45	14046	55539	57920	1.8	75.15	-1256	-55483	SLU 49	14050	48385	52129	2.5	38.53	Si
448	7X/2Y Ø8/10	-739	-51845	SLU 45	14021	55539	57889	1.8	75.15	-1256	-55286	SLU 49	14023	48385	52101	2.5	38.53	Si
481	7X/2Y Ø8/14.4	-739	-51647	SLU 45	13997	49131	49834	2.3	66.48	-1256	-55089	SLU 49	13996	33497	52073	2.5	26.68	Si
515	7X/2Y Ø8/14.4	-739	-51453	SLU 45	13972	49131	49808	2.3	66.48	-1256	-54894	SLU 49	13969	33497	52046	2.5	26.68	Si
535	7X/2Y Ø8/14.4	690	-49960	SLU 51	13786	49131	49604	2.3	71.16	-1257	-49883	SLU 52	13284	33497	51337	2.5	26.66	Si
569	7X/2Y Ø8/14.4	690	-49762	SLU 51	13762	49131	49577	2.3	71.16	-1257	-49685	SLU 52	13257	33497	51309	2.5	26.66	Si
603	7X/2Y Ø8/10	690	-49565	SLU 51	13737	55539	57527	1.8	80.44	-1257	-49488	SLU 52	13230	48385	51282	2.5	38.5	Si
636	7X/2Y Ø8/10	690	-49367	SLU 51	13713	55539	57496	1.8	80.44	-1257	-49290	SLU 52	13203	48385	51254	2.5	38.5	Si
670	7X/2Y Ø8/10	690	-49173	SLU 51	13688	55539	57465	1.8	80.44	-1257	-49096	SLU 52	13177	48385	51226	2.5	38.5	Si
690	7X/2Y Ø8/10	353	-32426	SLU 38	11603	53996	55615	1.75	152.88	-1104	-39660	SLU 51	11887	48385	49892	2.5	43.84	Si
724	7X/2Y Ø8/10	353	-32228	SLU 38	11579	53996	55584	1.75	152.88	-1104	-39463	SLU 51	11860	48385	49864	2.5	43.84	Si
758	7X/2Y Ø8/10	353	-32031	SLU 38	11554	53996	55552	1.75	152.88	-1104	-39266	SLU 51	11833	48385	49836	2.5	43.84	Si
791	7X/2Y Ø8/14.4	353	-31833	SLU 38	11530	46994	48553	2.2	133.06	-1104	-39068	SLU 51	11806	33497	49808	2.5	30.35	Si
825	7X/2Y Ø8/14.4	353	-31639	SLU 38	11506	46994	48525	2.2	133.06	-1104	-38874	SLU 51	11780	33497	49781	2.5	30.35	Si
845	7X/2Y Ø8/14.4	459	-26222	SLU 39	10831	46994	47763	2.2	102.5	-2045	-32638	SLU 52	10927	33497	48899	2.5	16.38	Si
879	7X/2Y Ø8/14.4	459	-26027	SLU 39	10807	46994	47736	2.2	102.5	-2045	-32443	SLU 52	10901	33497	48872	2.5	16.38	Si
913	7X/2Y Ø8/10	459	-25830	SLU 39	10782	53996	54554	1.75	117.77	-2045	-32246	SLU 52	10874	48385	48844	2.5	23.66	Si
946	7X/2Y Ø8/10	459	-25633	SLU 39	10758	53996	54522	1.75	117.77	-2045	-32049	SLU 52	10847	48385	48816	2.5	23.66	Si
980	7X/2Y Ø8/10	459	-25435	SLU 39	10733	53996	54491	1.75	117.77	-2045	-31851	SLU 52	10820	48385	48788	2.5	23.66	Si
1000	7X/2Y Ø8/10	202	-18514	SLU 39	9871	52453	54151	1.7	260.2	315	-15354	SLU 16	8565	46450	47830	2.4	147.5	Si
1034	7X/2Y Ø8/10	202	-18319	SLU 39	9847	52453	54119	1.7	260.2	320	-17253	SLU 42	8825	46450	48107	2.4	145.04	Si
1068	7X/2Y Ø8/10	202	-18122	SLU 39	9823	52453	54087	1.7	260.2	320	-17055	SLU 42	8798	46450	48078	2.4	145.04	Si
1101	7X/2Y Ø8/14.4	202	-17924	SLU 39	9798	45926	47298	2.15	227.82	320	-16858	SLU 42	8771	33497	46668	2.5	104.6	Si
1135	7X/2Y Ø8/14.4	202	-17727	SLU 39	9773	45926	47270	2.15	227.82	320	-16660	SLU 42	8744	33497	46641	2.5	104.6	Si
1155	7X/2Y Ø8/14.4	247	-12001	SLU 38	9061	45926	46452	2.15	185.87	-1926	-14385	SLU 50	8433	33497	46319	2.5	17.39	Si
1189	7X/2Y Ø8/14.4	247	-11804	SLU 38	9036	45926	46424	2.15	185.87	-1926	-14188	SLU 50	8406	33497	46291	2.5	17.39	Si
1223	7X/2Y Ø8/10	247	-11607	SLU 38	9011	52453	53024	1.7	212.28	-1926	-13991	SLU 50	8379	46450	47632	2.4	24.11	Si
1256	7X/2Y Ø8/10	247	-11409	SLU 38	8987	52453	52992	1.7	212.28	-1926	-13793	SLU 50	8352	46450	47603	2.4	24.11	Si
1290	7X/2Y Ø8/10	247	-11215	SLU 38	8963	52453	52960	1.7	212.28	-1926	-13599	SLU 50	8325	46450	47575	2.4	24.11	Si
1310	3X/2Y Ø8/10	-128	-4023	SLU 51	4284	24464	25099	1.85	190.57	-817	-4250	SLU 47	4284	20959	21131	2.4	25.66	Si
1340	3X/2Y Ø8/10	-128	-3935	SLU 51	4273	24464	25085	1.85	190.57	-817	-4162	SLU 47	4274	20959	21120	2.4	25.66	Si
1370	3X/2Y Ø8/10	-128	-3848	SLU 51	4262	24464	25072	1.85	190.57	-817	-4074	SLU 47	4263	20959	21108	2.4	25.66	Si
1400	3X/2Y Ø8/14.4	-128	-3760	SLU 51	4251	21514	21582	2.35	167.59	-817	-3987	SLU 47	4252	15114	20491	2.5	18.5	Si
1430	3X/2Y Ø8/14.4	-128	-3672	SLU 51	4240	21514	21570	2.35	167.59	-817	-3899	SLU 47	4241	15114	20479	2.5	18.5	Si
1460	3X/2Y Ø8/14.4	-126	-3190	SLU 49	4180	21056	21826	2.3	167.13	-817	-3811	SLU 47	4230	15114	20468	2.5	18.5	Si

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1490	3X/2Y Ø8/14.4	-126	-3102	SLU 49	4169	21056	21814	2.3	167.13	-817	-3723	SLU 47	4219	15114	20457	2.5	18.5	Si
1520	3X/2Y Ø8/14.4	-126	-3015	SLU 49	4159	21056	21802	2.3	167.13	-817	-3636	SLU 47	4209	15114	20446	2.5	18.5	Si
1550	3X/2Y Ø8/10	-128	-3321	SLU 51	4197	24464	24989	1.85	190.57	-817	-3548	SLU 47	4198	20959	21039	2.4	25.66	Si
1580	3X/2Y Ø8/10	-128	-3233	SLU 51	4186	24464	24976	1.85	190.57	-817	-3460	SLU 47	4187	20959	21028	2.4	25.66	Si

Verifica a taglio in famiglia SLV

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	7X/2Y Ø8/10	856	-58813	SLV 13	14889	57087	58130	1.85	66.72	-3653	-59099	SLV 5	14544	48390	52640	2.5	13.25	Si
-111	7X/2Y Ø8/10	856	-58684	SLV 13	14873	57087	58110	1.85	66.72	-3653	-58970	SLV 5	14526	48390	52622	2.5	13.25	Si
-82	7X/2Y Ø8/10	856	-58553	SLV 13	14856	57087	58090	1.85	66.72	-3653	-58839	SLV 5	14508	48390	52604	2.5	13.25	Si
-53	7X/2Y Ø8/10	856	-58422	SLV 13	14840	57087	58069	1.85	66.72	-3653	-58708	SLV 5	14490	48390	52585	2.5	13.25	Si
-24	7X/2Y Ø8/14.7	856	-58291	SLV 13	14824	49203	49997	2.35	57.51	-3653	-58577	SLV 5	14472	32833	52567	2.5	8.99	Si
5	7X/2Y Ø8/14.7	856	-58160	SLV 13	14807	49203	49979	2.35	57.51	-3653	-58446	SLV 5	14455	32833	52548	2.5	8.99	Si
35	7X/2Y Ø8/14.7	856	-58030	SLV 13	14791	49203	49962	2.35	57.51	-3653	-58315	SLV 5	14437	32833	52530	2.5	8.99	Si
64	7X/2Y Ø8/14.7	856	-57899	SLV 13	14775	49203	49944	2.35	57.51	-3653	-58185	SLV 5	14419	32833	52511	2.5	8.99	Si
93	7X/2Y Ø8/14.7	856	-57768	SLV 13	14759	49203	49926	2.35	57.51	-3653	-58054	SLV 5	14401	32833	52493	2.5	8.99	Si
122	7X/2Y Ø8/14.7	856	-57637	SLV 13	14742	49203	49909	2.35	57.51	-3653	-57923	SLV 5	14383	32833	52474	2.5	8.99	Si
151	7X/2Y Ø8/14.7	856	-57506	SLV 13	14726	49203	49891	2.35	57.51	-3653	-57792	SLV 5	14365	32833	52456	2.5	8.99	Si
180	7X/2Y Ø8/14.7	856	-57377	SLV 13	14710	49203	49874	2.35	57.51	-3653	-57663	SLV 5	14347	32833	52437	2.5	8.99	Si
200	7X/2Y Ø8/14.7	-2810	-47016	SLV 3	13420	48156	49202	2.3	17.14	4302	-32704	SLV 7	10936	32833	48909	2.5	7.63	Si
232	7X/2Y Ø8/14.7	-2810	-46875	SLV 3	13402	48156	49183	2.3	17.14	4302	-32563	SLV 7	10917	32833	48889	2.5	7.63	Si
264	7X/2Y Ø8/10	-2810	-46731	SLV 3	13384	55539	57078	1.8	19.77	4302	-32419	SLV 7	10897	48385	48868	2.5	11.25	Si
296	7X/2Y Ø8/10	-2810	-46587	SLV 3	13366	55539	57055	1.8	19.77	4302	-32275	SLV 7	10878	48385	48848	2.5	11.25	Si
328	7X/2Y Ø8/10	-2810	-46443	SLV 3	13349	55539	57032	1.8	19.77	4302	-32131	SLV 7	10858	48385	48828	2.5	11.25	Si
360	7X/2Y Ø8/10	-2810	-46301	SLV 3	13331	55539	57010	1.8	19.77	4302	-31989	SLV 7	10839	48385	48808	2.5	11.25	Si
380	7X/2Y Ø8/10	-1326	-19501	SLV 7	9994	52453	54312	1.7	39.56	-2272	-23649	SLV 11	9699	47417	48326	2.45	20.87	Si
414	7X/2Y Ø8/10	-1326	-19349	SLV 7	9975	52453	54288	1.7	39.56	-2272	-23497	SLV 11	9678	47417	48304	2.45	20.87	Si
448	7X/2Y Ø8/10	-1326	-19197	SLV 7	9957	52453	54263	1.7	39.56	-2272	-23345	SLV 11	9657	47417	48282	2.45	20.87	Si
481	7X/2Y Ø8/14.4	-1326	-19045	SLV 7	9938	45926	47458	2.15	34.64	-2272	-23193	SLV 11	9637	33497	47564	2.5	14.74	Si
515	7X/2Y Ø8/14.4	-1326	-18896	SLV 7	9919	45926	47437	2.15	34.64	-2272	-23044	SLV 11	9616	33497	47543	2.5	14.74	Si
535	7X/2Y Ø8/14.4	1401	-28051	SLV 13	11059	46994	48021	2.2	33.55	-5172	-40879	SLV 5	12054	33497	50064	2.5	6.48	Si
569	7X/2Y Ø8/14.4	1401	-27899	SLV 13	11040	46994	47999	2.2	33.55	-5172	-40727	SLV 5	12033	33497	50043	2.5	6.48	Si
603	7X/2Y Ø8/10	1401	-27747	SLV 13	11021	53996	54862	1.75	38.55	-5172	-40575	SLV 5	12012	48385	50021	2.5	9.35	Si
636	7X/2Y Ø8/10	1401	-27595	SLV 13	11002	53996	54838	1.75	38.55	-5172	-40423	SLV 5	11991	48385	50000	2.5	9.35	Si
670	7X/2Y Ø8/10	1401	-27445	SLV 13	10983	53996	54814	1.75	38.55	-5172	-40273	SLV 5	11971	48385	49979	2.5	9.35	Si
690	7X/2Y Ø8/10	1374	-33951	SLV 9	11793	53996	55861	1.75	39.3	-2130	-16925	SLV 11	8780	46450	48059	2.4	21.81	Si
724	7X/2Y Ø8/10	1374	-33799	SLV 9	11774	53996	55836	1.75	39.3	-2130	-16773	SLV 11	8759	46450	48037	2.4	21.81	Si
758	7X/2Y Ø8/10	1374	-33647	SLV 9	11756	53996	55812	1.75	39.3	-2130	-16621	SLV 11	8738	46450	48015	2.4	21.81	Si
791	7X/2Y Ø8/14.4	1374	-33495	SLV 9	11737	48062	48064	2.25	34.98	-2130	-16469	SLV 11	8718	33497	46614	2.5	15.73	Si
825	7X/2Y Ø8/14.4	1374	-33346	SLV 9	11718	46994	48766	2.2	34.2	-2130	-16320	SLV 11	8697	33497	46592	2.5	15.73	Si
845	7X/2Y Ø8/14.4	1608	-18286	SLV 13	9843	45926	47350	2.15	28.55	-5816	-25116	SLV 5	9899	33497	47836	2.5	5.76	Si
879	7X/2Y Ø8/14.4	1608	-18137	SLV 13	9824	45926	47329	2.15	28.55	-5816	-24967	SLV 5	9879	33497	47815	2.5	5.76	Si
913	7X/2Y Ø8/10	1608	-17985	SLV 13	9806	52453	54065	1.7	32.61	-5816	-24815	SLV 5	9858	47417	48493	2.45	8.15	Si
946	7X/2Y Ø8/10	1608	-17833	SLV 13	9787	52453	54040	1.7	32.61	-5816	-24663	SLV 5	9838	47417	48471	2.45	8.15	Si
980	7X/2Y Ø8/10	1608	-17681	SLV 13	9768	52453	54015	1.7	32.61	-5816	-24511	SLV 5	9817	47417	48449	2.45	8.15	Si
1000	7X/2Y Ø8/10	1407	-16726	SLV 9	9649	52453	53859	1.7	37.29	2220	-18135	SLV 5	8945	47417	47535	2.45	21.36	Si
1034	7X/2Y Ø8/10	1407	-16577	SLV 9	9630	52453	53835	1.7	37.29	2220	-17986	SLV 5	8925	47417	47513	2.45	21.36	Si
1068	7X/2Y Ø8/10	1407	-16425	SLV 9	9611	52453	53810	1.7	37.29	2220	-17834	SLV 5	8904	47417	47492	2.45	21.36	Si
1101	7X/2Y Ø8/14.4	1407	-16273	SLV 9	9592	45926	47062	2.15	32.65	2220	-17682	SLV 5	8883	33497	46785	2.5	15.09	Si
1135	7X/2Y Ø8/14.4	1407	-16121	SLV 9	9574	45926	47041	2.15	32.65	2220	-17530	SLV 5	8863	33497	46763	2.5	15.09	Si
1155	7X/2Y Ø8/14.4	1234	-7555	SLV 13	8507	44858	46510	2.1	36.34	-4625	-8392	SLV 5	7614	33497	45472	2.5	7.24	Si
1189	7X/2Y Ø8/14.4	1234	-7403	SLV 13	8488	44858	46488	2.1	36.34	-4625	-8241	SLV 5	7593	33497	45450	2.5	7.24	Si
1223	7X/2Y Ø8/10	1234	-7251	SLV 13	8469	50911	53059	1.65	41.25	-4625	-8089	SLV 5	7572	46450	46773	2.4	10.04	Si
1256	7X/2Y Ø8/10	1234	-7099	SLV 13	8450	50911	53034	1.65	41.25	-4625	-7937	SLV 5	7552	46450	46751	2.4	10.04	Si
1290	7X/2Y Ø8/10	1234	-6950	SLV 13	8432	50911	53009	1.65	41.25	-4625	-7787	SLV 5	7531	46450	46729	2.4	10.04	Si
1310	3X/2Y Ø8/10	-237	-2974	SLV 7	4154	24464	24935	1.85	103.43	-1328	-2974	SLV 7	4127	20959	20964	2.4	15.78	Si
1340	3X/2Y Ø8/10	-237	-2907	SLV 7	4145	24464	24925	1.85	103.43	-1328	-2907	SLV 7	4119	20522	21265	2.35	15.45	Si
1370	3X/2Y Ø8/10	-237	-2839	SLV 7	4137	24464	24914	1.85	103.43	-1328	-2839	SLV 7	4110	20522	21256	2.35	15.45	Si
1400	3X/2Y Ø8/14.4	-237	-2772	SLV 7	4128	21056	21769	2.3	89.02	-1328	-2772	SLV 7	4102	15114	20336	2.5	11.38	Si
1430	3X/2Y Ø8/14.4	-237	-2704	SLV 7	4120	21056	21760	2.3	89.02	-1328	-2704	SLV 7	4094	15114	20327	2.5	11.38	Si
1460	3X/2Y Ø8/14.4	-237	-2637	SLV 7	4112	21056	21750	2.3	89.02	-1328	-2637	SLV 7	4085	15114	20318	2.5	11.38	Si
1490	3X/2Y Ø8/14.4	-237	-2569	SLV 7	4103	21056	21741	2.3	89.02	-1328	-2569	SLV 7	4077	15114	20310	2.5	11.38	Si
1520	3X/2Y Ø8/14.4	-237	-2502	SLV 7	4095	21056	21732	2.3	89.02	-1328	-2502	SLV 7	4069	15114	20301	2.5	11.38	Si
1550	3X/2Y Ø8/10	-237	-2434	SLV 7	4086	24464	24851	1.85	103.43	-1328	-2434	SLV 7	4060	20522	21202	2.35	15.45	Si
1580	3X/2Y Ø8/10	-237	-2367	SLV 7	4078	24464	24840	1.85	103.43	-1328	-2367	SLV 7	4052	20522	21193	2.35	15.45	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X							Direzione Y							Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	7X/2Y Ø8/10	427	-50610	SLD 13	13867	64802	52752	2.1	123.65	-2176	-50707	SLD 5	13397	48390	51454	2.5	22.24	Si
-111	7X/2Y Ø8/10	427	-50481	SLD 13	13851	64802	52733	2.1	123.61	-2176	-50578	SLD 5	13379	48390	51436	2.5	22.24	Si
-82	7X/2Y Ø8/10	427	-50350	SLD 13	13835	64802	52714	2.1	123.56	-2176	-50447	SLD 5	13361	48390	51417	2.5	22.24	Si
-53	7X/2Y Ø8/10	427	-50219	SLD 13	13819	64802	52695	2.1	123.52	-2176	-50316	SLD 5	13343	48390	51399	2.5	22.24	Si
-24	7X/2Y Ø8/14.7	427	-50088	SLD 13	13802	52343	46794	2.5	109.69	-2176	-50185	SLD 5	13326	32833	51380	2.5	15.09	Si
5	7X/2Y Ø8/14.7	427	-49957	SLD 13	13786	52343	46778	2.5	109.65	-2176	-50055	SLD 5	13308	32833	51362	2.5	15.09	Si
35	7X/2Y Ø8/14.7	427	-49826	SLD 13	13770	52343	46761	2.5	109.61	-2176	-49924	SLD 5	13290	32833	51343	2.5	15.09	Si
64	7X/2Y Ø8/14.7	427	-49695	SLD 13	13754	52343	46744	2.5	109.57	-2176	-49793	SLD 5	13272	32833	51325	2.5	15.09	Si
93	7X/2Y Ø8/14.7	427	-49565	SLD 13	13737	52343	46727	2.5	109.53	-2176	-49662	SLD 5	13254	32833	51306	2.5	15.09	Si
122	7X/2Y Ø8/14.7	427	-49434	SLD 13	13721	52343	46710	2.5	109.49	-2176	-49531	SLD 5	13236	32833	51288	2.5	15.09	Si
151	7X/2Y Ø8/14.7	427	-49303	SLD 13	13705	52343	46693	2.5	109.45	-2176	-49400	SLD 5	13218	32833	51269	2.5	15.09	Si
180	7X/2Y Ø8/14.7	427	-49174	SLD 13	13689	52343	46677	2.5	109.41	-2176	-49271	SLD 5	13201	32833	51251	2.5	15.09	Si
200	7X/2Y Ø8/14.7	-1222	-44763	SLD 3	13139	52343	46109	2.5	37.72	2444	-39173	SLD 7	11821	32833	49823	2.5	13.43	Si
232	7X/2Y Ø8/14.7	-1222	-44621	SLD 3	13122	52343	46090	2.5	37.71	2444	-39032	SLD 7	11801	32833	49803	2.5	13.43	Si
264	7X/2Y Ø8/10	-1222	-44477	SLD 3	13104	64795	51863	2.1	42.43	2444	-38888	SLD 7	11782	48385	49783	2.5	19.8	Si
296	7X/2Y Ø8/10	-1222	-44333	SLD 3	13086	64795	51842	2.1	42.41	2444	-38744	SLD 7	11762	48385	49763	2.5	19.8	Si
328	7X/2Y Ø8/10	-1222	-44189	SLD 3	13068	64795	51821	2.1	42.4	2444	-38600	SLD 7	11742	48385	49742	2.5	19.8	Si
360	7X/2Y Ø8/10	-1222	-44048	SLD 3	13050	63253	52584	2.05	43.02	2444	-38458	SLD 7	11723	48385	49722	2.5	19.8	Si
380	7X/2Y Ø8/10	-709	-28553	SLD 7	11121	63253	50304	2.05	70.91	-1323	-30177	SLD 11	10591	48385	48551	2.5	36.58	Si
414	7X/2Y Ø8/10	-709	-28401	SLD 7	11102	63253	50281	2.05	70.88	-1323	-30025	SLD 11	10570	48385	48530	2.5	36.58	Si
448	7X/2Y Ø8/10	-709	-28250	SLD 7	11084	63253	50259	2.05	70.85	-1323	-29873	SLD 11	10550	48385	48509	2.5	36.58	Si
481	7X/2Y Ø8/14.4	-709	-28098	SLD 7	11065	53403	43962	2.5	61.97	-1323	-29721	SLD 11	10529	33497	48487	2.5	25.32	Si
515	7X/2Y Ø8/14.4	-709	-27948	SLD 7	11046	53403	43943	2.5	61.94	-1323	-29572	SLD 11	10508	33497	48466	2.5	25.32	Si
535	7X/2Y Ø8/14.4	752	-29660	SLD 13	11259	53403	44163	2.5	58.74	-2461	-34684	SLD 5	11207	33497	49189	2.5	13.61	Si
569	7X/2Y Ø8/14.4	752	-29508	SLD 13	11240	53403	44144	2.5	58.72	-2461	-34532	SLD 5	11186	33497	49167	2.5	13.61	Si
603	7X/2Y Ø8/10	752	-29357	SLD 13	11221	63253	50422	2.05	67.07	-2461	-34380	SLD 5	11166	48385	49146	2.5	19.66	Si
636	7X/2Y Ø8/10	752	-29205	SLD 13	11202	63253	50399	2.05	67.04	-2461	-34228	SLD 5	11145	48385	49124	2.5	19.66	Si
670	7X/2Y Ø8/10	752	-29055	SLD 13	11184	63253	50377	2.05	67.01	-2461	-34079	SLD 5	11124	48385	49103	2.5	19.66	Si
690	7X/2Y Ø8/10	629	-27923	SLD 9	11043	63253	50211	2.05	79.89	-1199	-21258	SLD 11	9372	48385	47291	2.5	39.43	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
724	7X/2Y Ø8/10	629	-27771	SLD 9	11024	63253	50188	2.05	79.85	-1199	-21107	SLD 11	9351	48385	47269	2.5	39.41	Si
758	7X/2Y Ø8/10	629	-27619	SLD 9	11005	63253	50166	2.05	79.82	-1199	-20955	SLD 11	9331	48385	47248	2.5	39.39	Si
791	7X/2Y Ø8/14.4	629	-27467	SLD 9	10986	53403	43881	2.5	69.82	-1199	-20803	SLD 11	9310	33497	47226	2.5	27.93	Si
825	7X/2Y Ø8/14.4	629	-27318	SLD 9	10967	53403	43862	2.5	69.79	-1199	-20653	SLD 11	9290	33497	47205	2.5	27.93	Si
845	7X/2Y Ø8/14.4	744	-19304	SLD 13	9970	53403	42830	2.5	57.59	-2971	-21996	SLD 5	9473	33497	47395	2.5	11.27	Si
879	7X/2Y Ø8/14.4	744	-19154	SLD 13	9951	53403	42810	2.5	57.57	-2971	-21847	SLD 5	9453	33497	47374	2.5	11.27	Si
913	7X/2Y Ø8/10	744	-19002	SLD 13	9932	61710	49637	2	66.75	-2971	-21695	SLD 5	9432	48385	47352	2.5	15.94	Si
946	7X/2Y Ø8/10	744	-18851	SLD 13	9913	61710	49615	2	66.72	-2971	-21543	SLD 5	9411	48385	47331	2.5	15.93	Si
980	7X/2Y Ø8/10	744	-18699	SLD 13	9894	61710	49592	2	66.69	-2971	-21391	SLD 5	9390	48385	47309	2.5	15.92	Si
1000	7X/2Y Ø8/10	591	-14626	SLD 9	9387	61710	48984	2	82.94	907	-15183	SLD 5	8542	48385	46432	2.5	51.17	Si
1034	7X/2Y Ø8/10	591	-14477	SLD 9	9369	61710	48961	2	82.9	907	-15034	SLD 5	8522	48385	46411	2.5	51.15	Si
1068	7X/2Y Ø8/10	591	-14325	SLD 9	9350	61710	48938	2	82.87	907	-14882	SLD 5	8501	48385	46389	2.5	51.13	Si
1101	7X/2Y Ø8/14.4	591	-14173	SLD 9	9331	53403	42169	2.5	71.4	907	-14730	SLD 5	8480	33497	46368	2.5	36.92	Si
1135	7X/2Y Ø8/14.4	591	-14021	SLD 9	9312	53403	42149	2.5	71.37	907	-14578	SLD 5	8459	33497	46346	2.5	36.92	Si
1155	7X/2Y Ø8/14.4	540	-8346	SLD 13	8606	53403	41418	2.5	76.73	-2461	-8661	SLD 5	7651	33497	45510	2.5	13.61	Si
1189	7X/2Y Ø8/14.4	540	-8195	SLD 13	8587	53403	41399	2.5	76.7	-2461	-8509	SLD 5	7630	33497	45488	2.5	13.61	Si
1223	7X/2Y Ø8/10	540	-8043	SLD 13	8568	61710	48000	2	88.93	-2461	-8357	SLD 5	7609	48385	45467	2.5	18.48	Si
1256	7X/2Y Ø8/10	540	-7891	SLD 13	8549	61710	47977	2	88.88	-2461	-8206	SLD 5	7588	48385	45445	2.5	18.47	Si
1290	7X/2Y Ø8/10	540	-7741	SLD 13	8530	61710	47955	2	88.84	-2461	-8056	SLD 5	7568	48385	45424	2.5	18.46	Si
1310	3X/2Y Ø8/10	-147	-2667	SLD 7	4115	28431	22750	2.15	154.88	-878	-2667	SLD 7	4089	21832	20322	2.5	23.14	Si
1340	3X/2Y Ø8/10	-147	-2600	SLD 7	4107	28431	22740	2.15	154.82	-878	-2600	SLD 7	4081	21832	20314	2.5	23.13	Si
1370	3X/2Y Ø8/10	-147	-2532	SLD 7	4098	28431	22731	2.15	154.75	-878	-2532	SLD 7	4072	21832	20305	2.5	23.12	Si
1400	3X/2Y Ø8/14.4	-147	-2465	SLD 7	4090	22887	20489	2.5	139.49	-878	-2465	SLD 7	4064	15114	20296	2.5	17.21	Si
1430	3X/2Y Ø8/14.4	-147	-2397	SLD 7	4082	22887	20480	2.5	139.43	-878	-2397	SLD 7	4056	15114	20288	2.5	17.21	Si
1460	3X/2Y Ø8/14.4	-147	-2330	SLD 7	4073	22887	20472	2.5	139.37	-878	-2330	SLD 7	4048	15114	20279	2.5	17.21	Si
1490	3X/2Y Ø8/14.4	-147	-2262	SLD 7	4065	22887	20463	2.5	139.31	-878	-2262	SLD 7	4039	15114	20270	2.5	17.21	Si
1520	3X/2Y Ø8/14.4	-147	-2195	SLD 7	4056	22887	20454	2.5	139.25	-878	-2195	SLD 7	4031	15114	20262	2.5	17.21	Si
1550	3X/2Y Ø8/10	-147	-2127	SLD 7	4048	28431	22673	2.15	154.36	-878	-2127	SLD 7	4023	21832	20253	2.5	23.06	Si
1580	3X/2Y Ø8/10	-147	-2060	SLD 7	4040	28431	22663	2.15	154.29	-878	-2060	SLD 7	4014	21832	20245	2.5	23.05	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	329812	-66151	-52192	SLE RA 13	-44.2	329812	-66151	-52192	SLE RA 13	-592.4	Si
-111	287070	-55211	-52063	SLE RA 13	-41.2	287070	-55211	-52063	SLE RA 13	-558.4	Si
-82	243580	-44079	-51932	SLE RA 13	-38.2	243580	-44079	-51932	SLE RA 13	-523.9	Si
-53	200091	-32947	-51801	SLE RA 13	-35.2	200091	-32947	-51801	SLE RA 13	-489.4	Si
-24	156602	-21816	-51670	SLE RA 13	-32.3	156602	-21816	-51670	SLE RA 13	-454.9	Si
5	113112	-10684	-51539	SLE RA 13	-29.3	113112	-10684	-51539	SLE RA 13	-420.3	Si
35	68806	15751	-51402	SLE RA 12	-27.6	68806	15751	-51402	SLE RA 12	-398.7	Si
64	24055	21239	-51271	SLE RA 12	-26	24055	21239	-51271	SLE RA 12	-377.1	Si
93	-20695	26728	-51140	SLE RA 12	-26.2	-20695	26728	-51140	SLE RA 12	-378.9	Si
122	-65446	32216	-51009	SLE RA 12	-28.7	-65446	32216	-51009	SLE RA 12	-407.7	Si
151	-104335	44974	-50885	SLE RA 13	-31.5	-104335	44974	-50885	SLE RA 13	-439.3	Si
180	-147077	55915	-50756	SLE RA 13	-34.3	-147077	55915	-50756	SLE RA 13	-471.5	Si
200	-110094	-7309	-49907	SLE RA 12	-28.1	-110094	-7309	-49907	SLE RA 12	-404.8	Si
232	-63120	-12823	-49766	SLE RA 12	-26.4	-63120	-12823	-49766	SLE RA 12	-382	Si
264	-15401	-18425	-49622	SLE RA 12	-24.6	-15401	-18425	-49622	SLE RA 12	-358.8	Si
296	32317	-24027	-49478	SLE RA 12	-25.8	32317	-24027	-49478	SLE RA 12	-372	Si
328	80036	-29629	-49334	SLE RA 12	-28.4	80036	-29629	-49334	SLE RA 12	-402.5	Si
360	127009	-35144	-49192	SLE RA 12	-30.9	127009	-35144	-49192	SLE RA 12	-432.5	Si
380	38199	113635	-39670	SLE RA 13	-29.3	38199	113635	-39670	SLE RA 13	-383	Si
414	11841	98541	-39518	SLE RA 13	-26.7	11841	98541	-39518	SLE RA 13	-354.7	Si
448	-14517	83448	-39367	SLE RA 13	-25.5	-14517	83448	-39367	SLE RA 13	-342.7	Si
481	-40875	68354	-39215	SLE RA 13	-25.3	-40875	68354	-39215	SLE RA 13	-344.1	Si
515	-66843	53483	-39065	SLE RA 13	-25.2	-66843	53483	-39065	SLE RA 13	-345.4	Si
535	111830	-99113	-35271	SLE RA 12	-29.4	111830	-99113	-35271	SLE RA 12	-382.7	Si
569	81634	-82672	-35119	SLE RA 12	-26.6	81634	-82672	-35119	SLE RA 12	-351.1	Si
603	51439	-66230	-34967	SLE RA 12	-23.7	51439	-66230	-34967	SLE RA 12	-319.6	Si
636	21244	-49788	-34815	SLE RA 12	-20.9	21244	-49788	-34815	SLE RA 12	-288	Si
670	-8504	-33590	-34666	SLE RA 12	-18.9	-8504	-33590	-34666	SLE RA 12	-266.5	Si
690	27679	56961	-27998	SLE RA 13	-18.7	27679	56961	-27998	SLE RA 13	-251.5	Si
724	3639	61311	-27846	SLE RA 13	-17.9	3639	61311	-27846	SLE RA 13	-241.2	Si
758	-21159	65489	-27754	SLE RA 12	-19	-21159	65489	-27754	SLE RA 12	-253.2	Si
791	-47386	73447	-27602	SLE RA 12	-20.8	-47386	73447	-27602	SLE RA 12	-273.5	Si
825	-73224	81288	-27453	SLE RA 12	-22.6	-73224	81288	-27453	SLE RA 12	-293.5	Si
845	134194	-74749	-23039	SLE RA 13	-22.9	134194	-74749	-23039	SLE RA 13	-292.6	Si
879	85882	-64340	-22889	SLE RA 13	-19.7	85882	-64340	-22889	SLE RA 13	-255.9	Si
913	36843	-53775	-22738	SLE RA 13	-16.5	36843	-53775	-22738	SLE RA 13	-218.5	Si
946	-12195	-43209	-22586	SLE RA 13	-14.4	-12195	-43209	-22586	SLE RA 13	-194.9	Si
980	-61233	-32644	-22434	SLE RA 13	-15.7	-61233	-32644	-22434	SLE RA 13	-212.8	Si
1000	-13943	56123	-15760	SLE RA 13	-12.5	-13943	56123	-15760	SLE RA 13	-160.5	Si
1034	-11370	60284	-15610	SLE RA 13	-12.7	-11370	60284	-15610	SLE RA 13	-161.5	Si
1068	-10184	63864	-15490	SLE RA 12	-12.9	-10184	63864	-15490	SLE RA 12	-162.9	Si
1101	-9779	67541	-15338	SLE RA 12	-13.1	-9779	67541	-15338	SLE RA 12	-164.7	Si
1135	-9374	71219	-15186	SLE RA 12	-13.3	-9374	71219	-15186	SLE RA 12	-166.5	Si
1155	223245	-90454	-10461	SLE RA 12	-22.6	223245	-90454	-10461	SLE RA 12	-270.8	Si
1189	178884	-85409	-10309	SLE RA 12	-20.1	182114	-83545	-10291	SLE RA 13	-240.8	Si
1223	136226	-80696	-10139	SLE RA 13	-17.7	136226	-80696	-10139	SLE RA 13	-211.6	Si
1256	90338	-77846	-9987	SLE RA 13	-15.3	90338	-77846	-9987	SLE RA 13	-182.4	Si
1290	45130	-75038	-9838	SLE RA 13	-11.6	45130	-75038	-9838	SLE RA 13	-138.5	Si
1310	26891	24465	-3057	SLE RA 8	-11.1	26891	24465	-3057	SLE RA 8	-120.5	Si
1340	9531	21911	-2989	SLE RA 8	-8	9531	21911	-2989	SLE RA 8	-91	Si
1370	-8569	20390	-2771	SLE RA 12	-7.8	-8569	20390	-2771	SLE RA 12	-89.1	Si
1400	-25892	17696	-2703	SLE RA 12	-10.6	-25892	17696	-2703	SLE RA 12	-115.5	Si
1430	-43216	15001	-2636	SLE RA 12	-13.3	-43216	15001	-2636	SLE RA 12	-141.8	Si
1460	-60540	12306	-2568	SLE RA 12	-16.1	-60540	12306	-2568	SLE RA 12	-168.1	Si
1490	-77864	9611	-2501	SLE RA 12	-30.4	-77864	9611	-2501	SLE RA 12	550.7	Si
1520	-95188	6917	-2433	SLE RA 12	-35.6	-95188	6917	-2433	SLE RA 12	711.3	Si
1550	-112511	4222	-2366	SLE RA 12	-40.7	-112511	4222	-2366	SLE RA 12	872.4	Si
1580	-129835	1527	-2298	SLE RA 12	-45.7	-129835	1527	-2298	SLE RA 12	1033.7	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	265961	-10585	-45343	SLE QP 2	-33.4	Si
-111	231010	-6497	-45214	SLE QP 2	-31.4	Si
-82	195448	-2337	-45083	SLE QP 2	-29.4	Si
-53	159886	1823	-44952	SLE QP 2	-27.7	Si
-24	124325	5983	-44821	SLE QP 2	-26.4	Si
5	88763	10143	-44690	SLE QP 2	-25	Si
35	53201	14303	-44559	SLE QP 2	-23.7	Si
64	17639	18463	-44429	SLE QP 2	-22.4	Si
93	-17923	22623	-44298	SLE QP 2	-22.7	Si
122	-53484	26783	-44167	SLE QP 2	-24.6	Si
151	-89046	30943	-44036	SLE QP 2	-26.5	Si
180	-123997	35031	-43907	SLE QP 2	-28.4	Si
200	-91211	-1447	-43314	SLE QP 2	-23.8	Si
232	-52160	-7415	-43172	SLE QP 2	-22.4	Si
264	-12489	-13478	-43028	SLE QP 2	-21.1	Si
296	27182	-19541	-42884	SLE QP 2	-22.2	Si
328	66852	-25604	-42740	SLE QP 2	-24.5	Si
360	105903	-31572	-42599	SLE QP 2	-26.7	Si
380	45136	71815	-34356	SLE QP 2	-23.6	Si
414	21041	61541	-34204	SLE QP 2	-21.6	Si
448	-3054	51267	-34052	SLE QP 2	-19.8	Si
481	-27150	40993	-33900	SLE QP 2	-20	Si
515	-50888	30871	-33750	SLE QP 2	-20.1	Si
535	90885	-76818	-30699	SLE QP 2	-24.5	Si
569	66338	-65655	-30547	SLE QP 2	-22.4	Si
603	41790	-54493	-30395	SLE QP 2	-20.2	Si
636	17243	-43330	-30243	SLE QP 2	-18.1	Si
670	-6941	-32332	-30094	SLE QP 2	-16.6	Si
690	23208	45198	-24044	SLE QP 2	-15.7	Si
724	2845	49922	-23892	SLE QP 2	-15.1	Si
758	-17517	54646	-23740	SLE QP 2	-16.1	Si
791	-37880	59369	-23588	SLE QP 2	-17.4	Si
825	-57941	64023	-23438	SLE QP 2	-18.7	Si
845	105462	-54985	-19965	SLE QP 2	-18.5	Si
879	67327	-49066	-19815	SLE QP 2	-16.2	Si
913	28618	-43057	-19664	SLE QP 2	-13.8	Si
946	-10091	-37048	-19512	SLE QP 2	-12.4	Si
980	-48800	-31039	-19360	SLE QP 2	-13.6	Si
1000	-11466	49323	-13261	SLE QP 2	-10.7	Si
1034	-9799	51218	-13111	SLE QP 2	-10.7	Si
1068	-8107	53141	-12959	SLE QP 2	-10.7	Si
1101	-6415	55065	-12807	SLE QP 2	-10.8	Si
1135	-4723	56988	-12655	SLE QP 2	-10.8	Si
1155	181832	-69366	-8908	SLE QP 2	-18.2	Si
1189	146225	-67178	-8756	SLE QP 2	-16.3	Si
1223	110618	-64990	-8604	SLE QP 2	-14.5	Si
1256	75011	-62803	-8452	SLE QP 2	-12.6	Si
1290	39932	-60647	-8303	SLE QP 2	-9.7	Si
1310	19173	21099	-2382	SLE QP 2	-8.6	Si
1340	5636	18891	-2315	SLE QP 2	-6.2	Si
1370	-7900	16684	-2247	SLE QP 2	-6.5	Si
1400	-21437	14476	-2180	SLE QP 2	-8.7	Si
1430	-34974	12268	-2112	SLE QP 2	-10.8	Si
1460	-48511	10061	-2045	SLE QP 2	-12.9	Si
1490	-62048	7853	-1977	SLE QP 2	-15	Si
1520	-75585	5645	-1910	SLE QP 2	-17.2	Si
1550	-89121	3438	-1842	SLE QP 2	-32.3	Si
1580	-102658	1230	-1775	SLE QP 2	-36.2	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

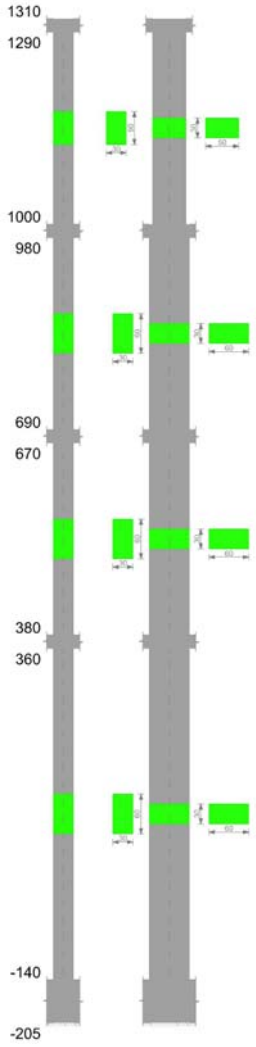
Verifiche dei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 835 in quanto nodo interno a piastra.
per il nodo Appoggio 1600 in quanto elemento di estremità superiore alla pilastrata.
per il nodo Appoggio 525 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio 1145 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 190 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.

PIlastro 70

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60_1	No	No	No	No		C30/37	B450C	
380	670	R 30x60_1	No	No	No	No		C30/37	B450C	
690	980	R 30x60_1	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.9	8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.9	8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2	0	1,2	612548	278444	-102652	1557450	707965	SLU 46	2.543	Si
-111	18.42	2	0	1,2	544046	277985	-102483	1454124	742998	SLU 46	2.673	Si
-81	20.11	1.1	0	2	294734	294734	-108658	818158	818158	SLU 51	2.776	Si
-52	20.11	1.1	0	2	294267	294267	-108486	818158	818158	SLU 51	2.78	Si
-22	20.11	1.1	0	2	-293801	293801	-108314	-818158	818158	SLU 51	2.785	Si
7	20.11	1.1	0	2	-293334	293334	-108142	-818158	818158	SLU 51	2.789	Si
36	20.11	1.1	0	2	-292867	292867	-107969	-818158	818158	SLU 51	2.794	Si
66	20.11	1.1	0	2	-292401	292401	-107797	-818158	818158	SLU 51	2.798	Si
95	20.11	1.1	0	2	-291934	291934	-107625	-818158	818158	SLU 51	2.803	Si
125	20.11	1.1	0	2	-291467	-291467	-107453	-818158	-818158	SLU 51	2.807	Si
154	20.11	1.1	0	2	-291000	-291000	-107281	-818158	-818158	SLU 51	2.812	Si
184	20.11	1.1	0	2	-290534	-290534	-107109	-818158	-818158	SLU 51	2.816	Si
213	20.11	1.1	0	2	-290062	-290062	-106935	-818158	-818158	SLU 51	2.821	Si
242	20.11	1.1	0	2	-289600	-289600	-106765	-818158	-818158	SLU 51	2.825	Si
272	20.11	1.1	0	2	-289134	-289134	-106593	-818158	-818158	SLU 51	2.83	Si
301	20.11	1.1	0	2	-308803	-288471	-106349	-871884	-814479	SLU 52	2.823	Si
331	20.11	1.1	0	2	-355253	-288005	-106177	-993625	-805535	SLU 52	2.797	Si
360	20.11	1.1	0	2	-569762	-270526	-99733	-1566242	-743660	SLU 46	2.749	Si
380	20.11	2.2	0	2,3	-422460	166286	-75155	-1599196	629467	SLU 46	3.785	Si
409	20.11	2.2	0	2,3	-365951	149971	-74985	-1447673	593273	SLU 46	3.956	Si
438	20.11	1.1	0	3	-182701	159446	-79723	-737509	643634	SLU 52	4.037	Si
467	20.11	1.1	0	3	159236	159236	-79618	647491	647491	SLU 51	4.066	Si
496	20.11	1.1	0	3	158897	158897	-79448	647491	647491	SLU 51	4.075	Si
525	20.11	1.1	0	3	158557	158557	-79279	647491	647491	SLU 51	4.084	Si
554	20.11	1.1	0	3	158218	-158218	-79109	647491	-647491	SLU 51	4.092	Si
583	20.11	1.1	0	3	157879	-157879	-78939	647491	-647491	SLU 51	4.101	Si
612	20.11	1.1	0	3	157539	-157539	-78770	647491	-647491	SLU 51	4.11	Si
641	20.11	1.1	0	3	157200	-157200	-78600	647491	-647491	SLU 51	4.119	Si
670	20.11	1.1	0	3	156867	-167347	-78433	640863	-683681	SLU 51	4.085	Si
690	20.11	2.2	0	3,4,6,7	-265392	153219	-51739	-1411117	814683	SLU 52	5.317	Si
719	20.11	2.2	0	3,4,6,7	-213009	123818	-51611	-1223724	711331	SLU 51	5.745	Si
748	20.11	1.1	0	4,6,7	-159557	102884	-51442	-977884	630547	SLU 51	6.129	Si
777	20.11	1.1	0	4,6,7	-106105	102544	-51272	-669040	646586	SLU 51	6.305	Si
806	20.11	1.1	0	4,6,7	-102205	102205	-51102	-647491	647491	SLU 51	6.335	Si
835	20.11	1.1	0	4,6,7	101866	101866	-50933	647491	647491	SLU 51	6.356	Si
864	20.11	1.1	0	4,6,7	101526	-101526	-50763	647491	-647491	SLU 51	6.378	Si
893	20.11	1.1	0	4,6,7	115582	-101103	-50551	735894	-643705	SLU 52	6.367	Si
922	20.11	1.1	0	4,6,7	170007	-100763	-50382	1054611	-625069	SLU 52	6.203	Si
951	20.37	1.6	0	4,5,6,7	224432	-103399	-50212	1343983	-619193	SLU 52	5.988	Si
980	27.42	2	0	4,5,6,7	278857	-131912	-50042	1664347	-787314	SLU 52	5.968	Si
1000	20.11	2.4	0	5,6,7,8,9	-158821	229930	-23117	-892972	1292780	SLU 51	5.622	Si
1029	17.8	2.4	0	5,6,7,8,9	-136004	173169	-22978	-907029	1154892	SLU 51	6.669	Si
1058	16.08	1.1	0	8,9	-112786	115413	-22837	-930652	952327	SLU 51	8.251	Si
1087	16.08	1.1	0	8,9	-89568	57656	-22696	-937777	603658	SLU 51	10.47	Si
1116	16.08	1.1	0	8,9	-66350	-45109	-22554	-756416	-514255	SLU 51	11.4	Si
1145	16.08	1.1	0	8,9	-44826	-57857	-22413	-507306	-654789	SLU 51	11.317	Si
1174	16.08	1.1	0	8,9	-44543	-115614	-22272	-410342	-1065068	SLU 51	9.212	Si
1203	16.08	1.1	0	8,9	44260	-173371	-22130	330154	-1293237	SLU 51	7.459	Si
1232	16.08	1.1	0	8,9	43978	-231128	-21989	269341	-1415545	SLU 51	6.125	Si
1261	16.08	1.1	0	8,9	53420	-287706	-21822	272254	-1466278	SLU 52	5.096	Si
1290	22.11	2.1	0	8,9	76415	-344152	-21683	364952	-1643639	SLU 52	4.776	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	16.08	2	0	1,2	-1326139	124552	-68342	-2.02	1.92	-2440884	229249	SLV 3	1.841				Si
-111	18.42	2	0	1,2	-1233825	112854	-68212	-2.02	1.92	-2490718	227819	SLV 3	2.019				Si
-81	20.11	1.1	0	2	-1139939	100955	-68079	-2.02	1.92	-2515818	222806	SLV 3	2.207				Si
-52	20.11	1.1	0	2	-1046089	89057	-67947	-2.02	1.92	-2496886	212568	SLV 3	2.387				Si
-22	20.11	1.1	0	2	-952285	77160	-67815	-2.02	1.92	-2461239	199425	SLV 3	2.585				Si
7	20.11	1.1	0	2	-858540	65264	-67682	-2.02	1.92	-2404562	182789	SLV 3	2.801				Si
36	20.11	1.1	0	2	-764882	53371	-67550	-2.02	1.92	-2320256	161899	SLV 3	3.033				Si
66	20.11	1.1	0	2	-671353	41481	-67418	-2.02	1.92	-2202815	136105	SLV 3	3.281				Si
95	20.11	1.1	0	2	-578012	29597	-67285	-2.02	1.92	-2047021	104818	SLV 3	3.541				Si
125	20.11	1.1	0	2	-484985	17726	-67153	-2.02	1.92	-1850297	67628	SLV 3	3.815				Si
154	20.11	1.1	0	2	-392589	5893	-67020	-2.02	1.92	-1618265	24290	SLV 3	4.122				Si
184	20.11	1.1	0	2	-301499	-5718	-66888	-2.02	1.92	-1334616	-25310	SLV 3	4.427				Si
213	20.11	1.1	0	2	99	-15502	-71827	-2.02	1.92	454	-71064	SLV 5	4.584				Si
242	20.11	1.1	0	2	-29566	-46635	-71696	-2.02	1.92	-135785	-214176	SLV 5	4.593				Si
272	20.11	1.1	0	2	-87590	-73218	-71564	-2.02	1.92	-398940	-333480	SLV 5	4.555				Si
301	20.11	1.1	0	2	-192124	-77529	-69698	-2.02	1.92	-824653	-332776	SLV 9	4.292				Si
331	20.11	1.1	0	2	-267902	-97334	-69566	-2.02	1.92	-1066605	-387521	SLV 9	3.981				Si
360	20.11	1.1	0	2	-345461	-116831	-69436	-2.02	1.92	-1281223	-433294	SLV 9	3.709				Si
380	20.11	2.2	0	2,3	21131	269036	-53588	-2.02	1.92	90942	1157879	SLV 5	4.304				Si
409	20.11	2.2	0	2,3	24663	217226	-53457	-2.02	1.92	115594	1018127	SLV 5	4.687				Si
438	20.11	1.1	0	3	29884	165483	-53327	-2.02	1.92	152481	844371	SLV 5	5.102				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
467	20.11	1.1	0	3	37754	113904	-53196	-2.02	1.92	210805	635996	SLV 5	5.584				Si
496	20.11	1.1	0	3	93311	54407	-51744	-2.02	1.92	569214	331890	SLV 1	6.1				Si
525	20.11	1.1	0	3	-7172	12212	-52935	-2.02	1.92	-44611	75964	SLV 5	6.22				Si
554	20.11	1.1	0	3	136746	-41333	-51483	-2.02	1.92	821144	-248201	SLV 1	6.005				Si
583	20.11	1.1	0	3	163120	-85875	-51352	-2.02	1.92	886862	-466894	SLV 1	5.437				Si
612	20.11	1.1	0	3	191232	-131284	-51222	-2.02	1.92	945050	-648791	SLV 1	4.942				Si
641	20.11	1.1	0	3	220486	-176886	-51091	-2.02	1.92	991323	-795292	SLV 1	4.496				Si
670	20.11	1.1	0	3	249990	-221775	-50963	-2.02	1.92	1020955	-905728	SLV 1	4.084				Si
690	20.11	2.2	0	3,4,6,7	-322978	204629	-30724	-2.02	1.92	-1435057	909209	SLV 1	4.443				Si
719	20.11	2.2	0	3,4,6,7	-259658	163988	-30593	-2.02	1.92	-1399556	883897	SLV 1	5.39				Si
748	20.11	1.1	0	4,6,7	-198328	123438	-30463	-2.02	1.92	-1301473	810024	SLV 1	6.562				Si
777	20.11	1.1	0	4,6,7	-141339	83127	-30332	-2.02	1.92	-1119561	658458	SLV 1	7.921				Si
806	20.11	1.1	0	4,6,7	53119	42357	-33731	-2.02	1.92	492650	392843	SLV 9	9.275				Si
835	20.11	1.1	0	4,6,7	4600	2252	-33601	-2.02	1.92	45079	22071	SLV 9	9.8				Si
864	20.11	1.1	0	4,6,7	113952	-42344	-29941	-2.02	1.92	1054984	-392029	SLV 1	9.258				Si
893	20.11	1.1	0	4,6,7	171637	-82246	-29810	-2.02	1.92	1319641	-632351	SLV 1	7.689				Si
922	20.11	1.1	0	4,6,7	233276	-122688	-29680	-2.02	1.92	1473629	-775034	SLV 1	6.317				Si
951	20.37	1.6	0	4,5,6,7	296750	-163285	-29549	-2.02	1.92	1535391	-844841	SLV 1	5.174				Si
980	27.42	2	0	4,5,6,7	361182	-203947	-29419	-2.02	1.92	1692805	-955868	SLV 1	4.687				Si
1000	20.11	2.4	0	5,6,7,8,9	-194213	230379	-13323	-2.02	1.92	-770725	914250	SLV 1	3.968				Si
1029	17.8	2.4	0	5,6,7,8,9	-157983	175487	-13217	-2.02	1.92	-783843	870688	SLV 1	4.962				Si
1058	16.08	1.1	0	8,9	-122574	119675	-13108	-2.02	1.92	-848927	828849	SLV 1	6.926				Si
1087	16.08	1.1	0	8,9	-91167	64026	-12999	-2.02	1.92	-994191	698217	SLV 1	10.905				Si
1116	16.08	1.1	0	8,9	-84622	2293	-13967	-2.02	1.92	-1289535	34940	SLV 13	15.239				Si
1145	16.08	1.1	0	8,9	-73986	-47498	-14321	-2.02	1.92	-919560	-590349	SLV 9	12.429				Si
1174	16.08	1.1	0	8,9	-81585	-101500	-14212	-2.02	1.92	-715589	-890259	SLV 9	8.771				Si
1203	16.08	1.1	0	8,9	86986	-160340	-12564	-2.02	1.92	533206	-982853	SLV 1	6.13				Si
1232	16.08	1.1	0	8,9	124014	-216185	-12455	-2.02	1.92	545399	-950758	SLV 1	4.398				Si
1261	16.08	1.1	0	8,9	161614	-272054	-12347	-2.02	1.92	524132	-882304	SLV 1	3.243				Si
1290	22.11	2.1	0	8,9	198864	-326971	-12240	-2.02	1.92	617251	-1014881	SLV 1	3.104				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2	0	1,2	-514270	74500	-67581	-1762321	255299	SLD 3	3.427	Si
-111	18.42	2	0	1,2	-480715	66925	-67451	-1729862	240830	SLD 3	3.599	Si
-81	20.11	1.1	0	2	-446595	59219	-67318	-1680116	222785	SLD 3	3.762	Si
-52	20.11	1.1	0	2	-412495	51513	-67186	-1602096	200074	SLD 3	3.884	Si
-22	20.11	1.1	0	2	-378422	43809	-67054	-1518867	175834	SLD 3	4.014	Si
7	20.11	1.1	0	2	-344383	36104	-66921	-1429934	149911	SLD 3	4.152	Si
36	20.11	1.1	0	2	-310395	28402	-66789	-1334709	122127	SLD 3	4.3	Si
66	20.11	1.1	0	2	-276483	20701	-66657	-1232598	92286	SLD 3	4.458	Si
95	20.11	1.1	0	2	-242682	13003	-66524	-1122935	60168	SLD 3	4.627	Si
125	20.11	1.1	0	2	-209065	5313	-66392	-1005091	25541	SLD 3	4.808	Si
154	20.11	1.1	0	2	462	9962	-68238	2231	48071	SLD 5	4.825	Si
184	20.11	1.1	0	2	-14336	-3289	-68105	-69313	-15902	SLD 5	4.835	Si
213	20.11	1.1	0	2	-28505	-16643	-67972	-138083	-80623	SLD 5	4.844	Si
242	20.11	1.1	0	2	-42841	-32500	-67841	-207931	-157743	SLD 5	4.854	Si
272	20.11	1.1	0	2	-70154	-45846	-67708	-341164	-222954	SLD 5	4.863	Si
301	20.11	1.1	0	2	-117403	-50491	-66898	-571813	-245916	SLD 9	4.871	Si
331	20.11	1.1	0	2	-149896	-61289	-66766	-701715	-286914	SLD 9	4.681	Si
360	20.11	1.1	0	2	-183233	-71919	-66636	-825347	-323948	SLD 9	4.504	Si
380	20.11	2.2	0	2,3	-71198	160606	-50174	-371636	838320	SLD 1	5.22	Si
409	20.11	2.2	0	2,3	-55795	129602	-50043	-312134	725034	SLD 1	5.594	Si
438	20.11	1.1	0	3	10829	106705	-50429	65121	641676	SLD 5	6.014	Si
467	20.11	1.1	0	3	21170	73458	-50298	135806	471225	SLD 5	6.415	Si
496	20.11	1.1	0	3	1543	40551	-50168	10128	266149	SLD 5	6.563	Si
525	20.11	1.1	0	3	11425	7631	-50037	75182	50213	SLD 5	6.581	Si
554	20.11	1.1	0	3	20464	-29129	-49907	135015	-192187	SLD 5	6.598	Si
583	20.11	1.1	0	3	99733	-57651	-49260	624766	-361144	SLD 1	6.264	Si
612	20.11	1.1	0	3	117033	-88496	-49130	681379	-515236	SLD 1	5.822	Si
641	20.11	1.1	0	3	134873	-119452	-48999	732580	-648814	SLD 1	5.432	Si
670	20.11	1.1	0	3	152783	-149915	-48871	777459	-762863	SLD 1	5.089	Si
690	20.11	2.2	0	3,4,6,7	-223596	138683	-31046	-1350653	837728	SLD 1	6.041	Si
719	20.11	2.2	0	3,4,6,7	-180493	111671	-30915	-1244722	770108	SLD 1	6.896	Si
748	20.11	1.1	0	4,6,7	-138322	84706	-30785	-1086079	665094	SLD 1	7.852	Si
777	20.11	1.1	0	4,6,7	-97969	57863	-30654	-875182	516909	SLD 1	8.933	Si
806	20.11	1.1	0	4,6,7	-61179	31557	-30524	-627344	323593	SLD 1	10.254	Si
835	20.11	1.1	0	4,6,7	2322	3430	-31777	24061	35543	SLD 9	10.362	Si
864	20.11	1.1	0	4,6,7	-13002	-22040	-31646	-135278	-229326	SLD 9	10.405	Si
893	20.11	1.1	0	4,6,7	106963	-51683	-30132	971010	-469178	SLD 1	9.078	Si
922	20.11	1.1	0	4,6,7	148972	-78586	-30002	1189567	-627523	SLD 1	7.985	Si
951	20.37	1.6	0	4,5,6,7	191989	-105573	-29871	1348897	-741742	SLD 1	7.026	Si
980	27.42	2	0	4,5,6,7	235558	-132595	-29741	1559419	-877792	SLD 1	6.62	Si
1000	20.11	2.4	0	5,6,7,8,9	-136071	172871	-13430	-747545	949717	SLD 1	5.494	Si
1029	17.8	2.4	0	5,6,7,8,9	-113545	131618	-13323	-776247	899806	SLD 1	6.836	Si
1058	16.08	1.1	0	8,9	-91219	89663	-13214	-840933	826588	SLD 1	9.219	Si
1087	16.08	1.1	0	8,9	-70345	47785	-13106	-920578	625346	SLD 1	13.087	Si
1116	16.08	1.1	0	8,9	-59361	3222	-13425	-1029306	55870	SLD 13	17.34	Si
1145	16.08	1.1	0	8,9	-44622	-36228	-13499	-679035	-551304	SLD 9	15.218	Si
1174	16.08	1.1	0	8,9	-38391	-77420	-13390	-459856	-927340	SLD 9	11.978	Si
1203	16.08	1.1	0	8,9	35956	-120578	-12671	323950	-1086359	SLD 1	9.01	Si
1232	16.08	1.1	0	8,9	58769	-162548	-12562	383847	-1061672	SLD 1	6.531	Si
1261	16.08	1.1	0	8,9	81923	-204531	-12453	413884	-1033314	SLD 1	5.052	Si
1290	22.11	2.1	0	8,9	104854	-245795	-12346	488685	-1145561	SLD 1	4.661	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-291	-108999	SLU 51	15366	51797	52691	2.35	177.97	-2369	-102652	SLU 46	15029	48390	55356	2.5	20.42	Si
-111	5X/2Y Ø8/10	-291	-108830	SLU 51	15366	51797	52691	2.35	177.97	-2369	-102483	SLU 46	15029	48390	55356	2.5	20.42	Si
-81	5X/2Y Ø8/10	-291	-108658	SLU 51	15366	51797	52691	2.35	177.97	-2369	-102311	SLU 46	15029	48390	55356	2.5	20.42	Si
-52	5X/2Y Ø8/10	-291	-108486	SLU 51	15366	51797	52691	2.35	177.97	-2369	-102139	SLU 46	15029	48390	55356	2.5	20.42	Si
-22	5X/2Y Ø8/14.7	-291	-108314	SLU 51	15366	37388	50429	2.5	128.46	-2369	-101967	SLU 46	15029	32833	55356	2.5	13.86	Si
7	5X/2Y Ø8/14.7	-291	-108142	SLU 51	15366	37388	50429	2.5	128.46	-2369	-101795	SLU 46	15029	32833	55356	2.5	13.86	Si
36	5X/2Y Ø8/14.7	-291	-107969	SLU 51	15366	37388	50429	2.5	128.46	-2369	-101623	SLU 46	15029	32833	55356	2.5	13.86	Si
66	5X/2Y Ø8/14.7	-291	-107797	SLU 51	15366	37388	50429	2.5	128.46	-2369	-101451	SLU 46	15029	32833	55356	2.5	13.86	Si
95	5X/2Y Ø8/14.7	-291	-107625	SLU 51	15366	37388	50429	2.5	128.46	-2369	-101279	SLU 46	15029	32833	55356	2.5	13.86	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
125	5X/2Y Ø8/14.7	-291	-107453	SLU 51	15366	37388	50429	2.5	128.46	-2369	-101107	SLU 46	15029	32833	55356	2.5	13.86	Si
154	5X/2Y Ø8/14.7	-291	-107281	SLU 51	15366	37388	50429	2.5	128.46	-2369	-100935	SLU 46	15029	32833	55356	2.5	13.86	Si
184	5X/2Y Ø8/14.7	-291	-107109	SLU 51	15366	37388	50429	2.5	128.46	-2369	-100762	SLU 46	15029	32833	55356	2.5	13.86	Si
213	5X/2Y Ø8/14.7	-291	-106935	SLU 51	15366	37388	50429	2.5	128.46	-2369	-100589	SLU 46	15029	32833	55356	2.5	13.86	Si
242	5X/2Y Ø8/10	-291	-106765	SLU 51	15366	51792	52691	2.35	177.95	-2369	-100418	SLU 46	15029	48385	55356	2.5	20.42	Si
272	5X/2Y Ø8/10	-291	-106593	SLU 51	15366	51792	52691	2.35	177.95	-2369	-100246	SLU 46	15029	48385	55356	2.5	20.42	Si
301	5X/2Y Ø8/10	-291	-106421	SLU 51	15366	51792	52691	2.35	177.95	-2369	-100074	SLU 46	15029	48385	55356	2.5	20.42	Si
331	5X/2Y Ø8/10	-291	-106249	SLU 51	15366	51792	52691	2.35	177.95	-2369	-99902	SLU 46	15029	48385	55356	2.5	20.42	Si
360	5X/2Y Ø8/10	-291	-106080	SLU 51	15366	51792	52691	2.35	177.95	-2369	-99733	SLU 46	15029	48385	55356	2.5	20.42	Si
380	5X/2Y Ø8/10	-1196	-80127	SLU 51	15366	51792	52691	2.35	43.3	1949	-75155	SLU 46	15029	48385	54910	2.5	24.83	Si
409	5X/2Y Ø8/10	-1196	-79957	SLU 51	15366	51792	52691	2.35	43.3	1949	-74985	SLU 46	15029	48385	54886	2.5	24.83	Si
438	5X/2Y Ø8/10	-1196	-79788	SLU 51	15366	51792	52691	2.35	43.3	1949	-74816	SLU 46	15029	48385	54862	2.5	24.83	Si
467	5X/2Y Ø8/14.4	-1196	-79618	SLU 51	15366	38145	50429	2.5	31.89	1949	-74646	SLU 46	15029	33497	54838	2.5	17.19	Si
496	5X/2Y Ø8/14.4	-1196	-79448	SLU 51	15366	38145	50429	2.5	31.89	1949	-74477	SLU 46	15029	33497	54814	2.5	17.19	Si
525	5X/2Y Ø8/14.4	-1196	-79279	SLU 51	15366	38145	50429	2.5	31.89	1949	-74307	SLU 46	15029	33497	54790	2.5	17.19	Si
554	5X/2Y Ø8/14.4	-1196	-79109	SLU 51	15366	38145	50429	2.5	31.89	1949	-74137	SLU 46	15029	33497	54766	2.5	17.19	Si
583	5X/2Y Ø8/14.4	-1196	-78939	SLU 51	15366	38145	50429	2.5	31.89	1949	-73968	SLU 46	15029	33497	54742	2.5	17.19	Si
612	5X/2Y Ø8/10	-1196	-78770	SLU 51	15366	51792	52691	2.35	43.3	1949	-73798	SLU 46	15029	48385	54718	2.5	24.83	Si
641	5X/2Y Ø8/10	-1196	-78600	SLU 51	15366	51792	52691	2.35	43.3	1949	-73628	SLU 46	15029	48385	54694	2.5	24.83	Si
670	5X/2Y Ø8/10	-1196	-78433	SLU 51	15366	51792	52691	2.35	43.3	1949	-73462	SLU 46	15029	48385	54671	2.5	24.83	Si
690	5X/2Y Ø8/10	-983	-51739	SLU 52	14008	49588	50593	2.25	50.43	1880	-51680	SLU 50	13530	48385	51591	2.5	25.73	Si
719	5X/2Y Ø8/10	-983	-51569	SLU 52	13987	49588	50570	2.25	50.43	1880	-51510	SLU 50	13507	48385	51567	2.5	25.73	Si
748	5X/2Y Ø8/10	-983	-51400	SLU 52	13966	49588	50546	2.25	50.43	1880	-51340	SLU 50	13483	48385	51543	2.5	25.73	Si
777	5X/2Y Ø8/14.4	-983	-51230	SLU 52	13945	38145	46941	2.5	38.8	1880	-51171	SLU 50	13460	33497	51519	2.5	17.81	Si
806	5X/2Y Ø8/14.4	-983	-51060	SLU 52	13923	38145	46920	2.5	38.8	1880	-51001	SLU 50	13437	33497	51496	2.5	17.81	Si
835	5X/2Y Ø8/14.4	-983	-50891	SLU 52	13902	38145	46898	2.5	38.8	1880	-50831	SLU 50	13414	33497	51472	2.5	17.81	Si
864	5X/2Y Ø8/14.4	-983	-50721	SLU 52	13881	38145	46876	2.5	38.8	1880	-50662	SLU 50	13391	33497	51448	2.5	17.81	Si
893	5X/2Y Ø8/14.4	-983	-50551	SLU 52	13860	38145	46854	2.5	38.8	1880	-50492	SLU 50	13367	33497	51424	2.5	17.81	Si
922	5X/2Y Ø8/10	-983	-50382	SLU 52	13839	49588	50405	2.25	50.43	1880	-50322	SLU 50	13344	48385	51400	2.5	25.73	Si
951	5X/2Y Ø8/10	-983	-50212	SLU 52	13818	49588	50381	2.25	50.43	1880	-50153	SLU 50	13321	48385	51376	2.5	25.73	Si
980	5X/2Y Ø8/10	-983	-50042	SLU 52	13797	49588	50358	2.25	50.43	1880	-49983	SLU 50	13298	48385	51352	2.5	25.73	Si
1000	4X/2Y Ø8/10	-1992	-23117	SLU 51	9183	38789	39981	2.2	19.48	816	-23046	SLU 50	8693	38743	39955	2.45	47.5	Si
1029	4X/2Y Ø8/10	-1992	-22978	SLU 51	9166	38789	39961	2.2	19.48	816	-22907	SLU 50	8674	38743	39935	2.45	47.5	Si
1058	4X/2Y Ø8/10	-1992	-22837	SLU 51	9149	38789	39941	2.2	19.48	816	-22765	SLU 50	8655	38743	39916	2.45	47.5	Si
1087	4X/2Y Ø8/14.4	-1992	-22696	SLU 51	9131	30516	36543	2.5	15.32	816	-22624	SLU 50	8636	27370	39320	2.5	33.55	Si
1116	4X/2Y Ø8/14.4	-1992	-22554	SLU 51	9113	30516	36524	2.5	15.32	816	-22483	SLU 50	8617	27370	39301	2.5	33.55	Si
1145	4X/2Y Ø8/14.4	-1992	-22413	SLU 51	9096	30516	36506	2.5	15.32	816	-22341	SLU 50	8598	27370	39281	2.5	33.55	Si
1174	4X/2Y Ø8/14.4	-1992	-22272	SLU 51	9078	30516	36488	2.5	15.32	816	-22200	SLU 50	8579	27370	39261	2.5	33.55	Si
1203	4X/2Y Ø8/14.4	-1992	-22130	SLU 51	9061	30516	36470	2.5	15.32	816	-22058	SLU 50	8560	27370	39242	2.5	33.55	Si
1232	4X/2Y Ø8/10	-1992	-21989	SLU 51	9043	38789	39822	2.2	19.48	816	-21917	SLU 50	8541	38743	39796	2.45	47.5	Si
1261	4X/2Y Ø8/10	-1992	-21847	SLU 51	9025	38789	39802	2.2	19.48	816	-21776	SLU 50	8523	38743	39776	2.45	47.5	Si
1290	4X/2Y Ø8/10	-1992	-21708	SLU 51	9008	38789	39783	2.2	19.48	816	-21637	SLU 50	8504	38743	39757	2.45	47.5	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-930	-73414	SLV 5	15366	51797	52032	2.35	55.69	-3532	-65839	SLV 13	15029	48390	53593	2.5	13.7	Si
-111	5X/2Y Ø8/10	-930	-73284	SLV 5	15366	51797	52014	2.35	55.69	-3532	-65709	SLV 13	15029	48390	53575	2.5	13.7	Si
-81	5X/2Y Ø8/10	-930	-73152	SLV 5	15366	51797	51997	2.35	55.69	-3532	-65577	SLV 13	15029	48390	53556	2.5	13.7	Si
-52	5X/2Y Ø8/10	-930	-73020	SLV 5	15366	51797	51979	2.35	55.69	-3532	-65445	SLV 13	15029	48390	53537	2.5	13.7	Si
-22	5X/2Y Ø8/14.7	-930	-72887	SLV 5	15366	37388	49731	2.5	40.2	-3532	-65312	SLV 13	15029	32833	53519	2.5	9.3	Si
7	5X/2Y Ø8/14.7	-930	-72755	SLV 5	15366	37388	49714	2.5	40.2	-3532	-65180	SLV 13	15029	32833	53500	2.5	9.3	Si
36	5X/2Y Ø8/14.7	-930	-72623	SLV 5	15366	37388	49697	2.5	40.2	-3532	-65048	SLV 13	15029	32833	53481	2.5	9.3	Si
66	5X/2Y Ø8/14.7	-930	-72490	SLV 5	15366	37388	49680	2.5	40.2	-3532	-64915	SLV 13	15029	32833	53463	2.5	9.3	Si
95	5X/2Y Ø8/14.7	-930	-72358	SLV 5	15366	37388	49663	2.5	40.2	-3532	-64783	SLV 13	15029	32833	53444	2.5	9.3	Si
125	5X/2Y Ø8/14.7	-930	-72225	SLV 5	15366	37388	49646	2.5	40.2	-3532	-64651	SLV 13	15029	32833	53425	2.5	9.3	Si
154	5X/2Y Ø8/14.7	-930	-72093	SLV 5	15366	37388	49629	2.5	40.2	-3532	-64518	SLV 13	15029	32833	53407	2.5	9.3	Si
184	5X/2Y Ø8/14.7	-930	-71961	SLV 5	15366	37388	49611	2.5	40.2	-3532	-64386	SLV 13	15029	32833	53388	2.5	9.3	Si
213	5X/2Y Ø8/14.7	-930	-71827	SLV 5	15366	37388	49594	2.5	40.2	-3532	-64252	SLV 13	15029	32833	53369	2.5	9.3	Si
242	5X/2Y Ø8/10	-930	-71696	SLV 5	15366	51792	51801	2.35	55.69	-3532	-64121	SLV 13	15029	48385	53350	2.5	13.7	Si
272	5X/2Y Ø8/10	-930	-71564	SLV 5	15366	50690	52554	2.3	54.5	-3532	-63989	SLV 13	15029	48385	53332	2.5	13.7	Si
301	5X/2Y Ø8/10	-930	-71431	SLV 5	15366	50690	52536	2.3	54.5	-3532	-63856	SLV 13	15029	48385	53313	2.5	13.7	Si
331	5X/2Y Ø8/10	-930	-71299	SLV 5	15366	50690	52518	2.3	54.5	-3532	-63724	SLV 13	15029	48385	53294	2.5	13.7	Si
360	5X/2Y Ø8/10	-930	-71169	SLV 5	15366	50690	52501	2.3	54.5	-3532	-63594	SLV 13	15029	48385	53276	2.5	13.7	Si
380	5X/2Y Ø8/10	-1790	-53588	SLV 5	14238	49588	50849	2.25	27.7	1510	-49809	SLV 3	13274	48385	51327	2.5	32.05	Si
409	5X/2Y Ø8/10	-1790	-53457	SLV 5	14222	49588	50831	2.25	27.7	1510	-49678	SLV 3	13256	48385	51308	2.5	32.05	Si
438	5X/2Y Ø8/10	-1790	-53327	SLV 5	14206	49588	50813	2.25	27.7	1510	-49548	SLV 3	13238	48385	51290	2.5	32.05	Si
467	5X/2Y Ø8/14.4	-1790	-53196	SLV 5	14189	38145	47195	2.5	21.31	1510	-49417	SLV 3	13221	33497	51272	2.5	22.19	Si
496	5X/2Y Ø8/14.4	-1790	-53066	SLV 5	14173	38145	47178	2.5	21.31	1510	-49287	SLV 3	13203	33497	51253	2.5	22.19	Si
525	5X/2Y Ø8/14.4	-1790	-52935	SLV 5	14157	38145	47161	2.5	21.31	1510	-49156	SLV 3	13185	33497	51235	2.5	22.19	Si
554	5X/2Y Ø8/14.4	-1790	-52805	SLV 5	14141	38145	47144	2.5	21.31	1510	-49026	SLV 3	13167	33497	51216	2.5	22.19	Si
583	5X/2Y Ø8/14.4	-1790	-52674	SLV 5	14124	38145	47128	2.5	21.31	1510	-48895	SLV 3	13149	33497	51198	2.5	22.19	Si
612	5X/2Y Ø8/10	-1790	-52544	SLV 5	14108	49588	50705	2.25	27.7	1510	-48765	SLV 3	13131	48385	51179	2.5	32.05	Si
641	5X/2Y Ø8/10	-1790	-52413	SLV 5	14092	49588	50687	2.25	27.7	1510	-48634	SLV 3	13114	48385	51161	2.5	32.05	Si
670	5X/2Y Ø8/10	-1790	-52285	SLV 5	14076	49588	50669	2.25	27.7	1510	-48506	SLV 3	13096	48385	51143	2.5	32.05	Si
690	5X/2Y Ø8/10	-1614	-33466	SLV 5	11733	48486	48783	2.2	30.05	2873	-29161	SLV 3	10452	48385	48408	2.5	16.84	Si
719	5X/2Y Ø8/10	-1614	-33336	SLV 5	11717	48486	48764	2.2	30.05	2873	-29030	SLV 3	10434	48385	48389	2.5	16.84	Si
748	5X/2Y Ø8/10	-1614	-33205	SLV 5	11700	48486	48746	2.2	30.05	2873	-28900	SLV 3	10417	47417	49079	2.45	16.5	Si
777	5X/2Y Ø8/14.4	-1614	-33075	SLV 5	11684	38145	44603	2.5	23.64	2873	-28769	SLV 3	10399	33497	48352	2.5	11.66	Si
806	5X/2Y Ø8/14.4	-1614	-32944	SLV 5	11668	38145	44586	2.5	23.64	2873	-28639	SLV 3	10381	33497	48334	2.5	11.66	Si
835	5X/2Y Ø8/14.4	-1614	-32814	SLV 5	11652	38145	44570	2.5	23.64	2873	-28508	SLV 3	10363	33497	48316	2.5	11.66	Si
864	5X/2Y Ø8/14.4	-1614	-32683	SLV 5	11635	38145	44553	2.5	23.64	2873	-28378	SLV 3	10345	33497	48297	2.5	11.66	Si
893	5X/2Y Ø8/14.4	-1614	-32553	SLV 5	11619	38145	44536	2.5	23.64	2873	-28247	SLV 3	10327	33497	48279	2.5	11.66	Si
922	5X/2Y Ø8/10	-1614	-32422	SLV 5	11603	48486	48636	2.2	30.05	2873	-28117	SLV 3	10310	47417	48967	2.45	16.5	Si
951	5X/2Y Ø8/10	-1614	-32292	SLV 5	11587	48486	48617	2.2	30.05	2873	-27986	SLV 3	10292	47417	48948	2.45	16.5	Si
980	5X/2Y Ø8/10	-1614	-32161	SLV 5	11571	48486	48599	2.2	30.05	2873	-27856	SLV 3	10274	47417	48929	2.45	16.5	Si
1000	4X/2Y Ø8/10	-2179	-14540	SLV 5	8116	37907	39359	2.15	17.4	1734	-12604	SLV 3	7294	37953	39053	2.4	21.89	Si
1029	4X/2Y Ø8/10	-2179	-14433	SLV 5	8102	37907	39343	2.15	17.4	1734	-12497	SLV 3	7279	37953	39038	2.4	21.89	Si
1058	4X/2Y Ø8/10	-2179	-14324	SLV 5	8089	37907	39328	2.15	17.4	1734	-12388	SLV 3	7265	37953	39023	2.4	21.89	Si
1087	4X/2Y Ø8/14.4	-2179	-14215	SLV 5	8075	30516	35450	2.5	14	1734	-12280	SLV 3	7250	27370	37886	2.5	15.79	Si
1116	4X/2Y Ø8/14.4	-2179	-14107	SLV 5	8062	30516	35436	2.5	14	1734	-12171	SLV 3	7236	27370	37871	2.5	15.79	Si
1145	4X/2Y Ø8/14.4	-2179	-13998	SLV 5	8048	30516	35422	2.5	14	1734	-12062	SLV 3	7221	27370	37856	2.5	15.79	Si
1174	4X/2Y Ø8/14.4	-2179	-13889	SLV 5	8035	30516	35408	2.5	14	1734	-11953	SLV 3	7206	27370	37841	2.5	15.79	Si
1203	4X/2Y Ø8/14.4	-2179	-13780	SLV 5	8021	30516	35394	2.5	14	1734	-11845	SLV 3	7192	27370	37826	2.5	15.79	Si
1232	4X/2Y Ø8/10	-2179	-13672	SLV 5	8007	37907	39235	2.15	17.4	1734	-11736	SLV 3	7177	37953	38930	2.4	21.89	Si
1261	4X/2Y Ø8/10	-2179	-13563	SLV 5	7994	37907	39219	2.15	17.4	1734	-11627	SLV 3	7163	37953	38914	2.4	21.89	Si
1290	4X/2Y Ø8/10	-2179	-13456	SLV 5	7981	37907	39204	2.15	17.4	1734	-11520	SLV 3	7148	37953	38899	2.4	21.89	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	-468	-69559	SLD 5	16227	55104	49302	2.5	105.36	-1497	-66600	SLD 13	15569	48390	53701	2.5	32.32	Si
-111	5X/2Y Ø8/10	-468	-69429	SLD 5	16210	55104	49285	2.5	105.32	-1497	-66470	SLD 13	15551	48390	53683	2.5	32.32	Si
-81	5X/2Y Ø8/10	-468	-69297	SLD 5	16194	55104	49268	2.5	105.29	-1497	-66338	SLD 13	15533	48390	53664	2.5	32.32	Si
-52	5X/2Y Ø8/10	-468	-69164	SLD 5	16177	55104	49251	2.5	105.25	-1497	-66206	SLD 13	15515	48390	53645	2.5	32.32	Si
-22	5X/2Y Ø8/14.7	-468	-69032	SLD 5	16161	37388	49234	2.5	79.9	-1497	-66073	SLD 13	15497	32833	53626	2.5	21.93	Si
7	5X/2Y Ø8/14.7	-468	-68899	SLD 5	16144	37388	49217	2.5	79.9	-1497	-65941	SLD 13	15479	32833	53608	2.5	21.93	Si
36	5X/2Y Ø8/14.7	-468	-68767	SLD 5	16128	37388	49200	2.5	79.9	-1497	-65809	SLD 13	15461	32833	53589	2.5	21.93	Si
66	5X/2Y Ø8/14.7	-468	-68635	SLD 5	16111	37388	49183	2.5	79.9	-1497	-65676	SLD 13	15443	32833	53570	2.5	21.93	Si
95	5X/2Y Ø8/14.7	-468	-68502	SLD 5	16095	37388	49166	2.5	79.9	-1497	-65544	SLD 13	15424	32833	53552	2.5	21.93	Si
125	5X/2Y Ø8/14.7	-468	-68370	SLD 5	16079	37388	49149	2.5	79.9	-1497	-65411	SLD 13	15406	32833	53533	2.5	21.93	Si
154	5X/2Y Ø8/14.7	-468	-68238	SLD 5	16062	37388	49132	2.5	79.9	-1497	-65279	SLD 13	15388	32833	53514	2.5	21.93	Si
184	5X/2Y Ø8/14.7	-468	-68105	SLD 5	16046	37388	49115	2.5	79.9	-1497	-65147	SLD 13	15370	32833	53495	2.5	21.93	Si
213	5X/2Y Ø8/14.7	-468	-67972	SLD 5	16029	37388	49098	2.5	79.9	-1497	-65013	SLD 13	15352	32833	53476	2.5	21.93	Si
242	5X/2Y Ø8/10	-468	-67841	SLD 5	16013	55098	49081	2.5	104.89	-1497	-64882	SLD 13	15334	48385	53458	2.5	32.32	Si
272	5X/2Y Ø8/10	-468	-67708	SLD 5	15996	55098	49064	2.5	104.85	-1497	-64750	SLD 13	15316	48385	53439	2.5	32.32	Si
301	5X/2Y Ø8/10	-468	-67576	SLD 5	15980	55098	49047	2.5	104.81	-1497	-64617	SLD 13	15298	48385	53421	2.5	32.32	Si
331	5X/2Y Ø8/10	-468	-67444	SLD 5	15963	55098	49030	2.5	104.78	-1497	-64485	SLD 13	15280	48385	53402	2.5	32.32	Si
360	5X/2Y Ø8/10	-468	-67313	SLD 5	15947	55098	49013	2.5	104.74	-1497	-64355	SLD 13	15262	48385	53383	2.5	32.32	Si
380	5X/2Y Ø8/10	-1153	-50690	SLD 5	13877	55098	46872	2.5	40.64	828	-49214	SLD 3	13193	48385	51243	2.5	58.43	Si
409	5X/2Y Ø8/10	-1153	-50559	SLD 5	13861	55098	46855	2.5	40.63	828	-49083	SLD 3	13175	48385	51224	2.5	58.43	Si
438	5X/2Y Ø8/10	-1153	-50429	SLD 5	13845	55098	46838	2.5	40.61	828	-48953	SLD 3	13157	48385	51206	2.5	58.43	Si
467	5X/2Y Ø8/14.4	-1153	-50298	SLD 5	13829	38145	46821	2.5	33.07	828	-48822	SLD 3	13139	33497	51187	2.5	40.45	Si
496	5X/2Y Ø8/14.4	-1153	-50168	SLD 5	13812	38145	46805	2.5	33.07	828	-48692	SLD 3	13121	33497	51169	2.5	40.45	Si
525	5X/2Y Ø8/14.4	-1153	-50037	SLD 5	13796	38145	46788	2.5	33.07	828	-48561	SLD 3	13104	33497	51151	2.5	40.45	Si
554	5X/2Y Ø8/14.4	-1153	-49907	SLD 5	13780	38145	46771	2.5	33.07	828	-48431	SLD 3	13086	33497	51132	2.5	40.45	Si
583	5X/2Y Ø8/14.4	-1153	-49776	SLD 5	13764	38145	46754	2.5	33.07	828	-48300	SLD 3	13068	33497	51114	2.5	40.45	Si
612	5X/2Y Ø8/10	-1153	-49646	SLD 5	13747	55098	46737	2.5	40.52	828	-48170	SLD 3	13050	48385	51095	2.5	58.43	Si
641	5X/2Y Ø8/10	-1153	-49515	SLD 5	13731	55098	46721	2.5	40.51	828	-48039	SLD 3	13032	48385	51077	2.5	58.43	Si
670	5X/2Y Ø8/10	-1153	-49387	SLD 5	13715	55098	46704	2.5	40.5	828	-47911	SLD 3	13015	48385	51059	2.5	58.43	Si
690	5X/2Y Ø8/10	-1015	-32120	SLD 5	11565	55098	44480	2.5	43.83	1772	-30433	SLD 3	10626	48385	48588	2.5	27.31	Si
719	5X/2Y Ø8/10	-1015	-31990	SLD 5	11549	55098	44463	2.5	43.82	1772	-30303	SLD 3	10608	48385	48569	2.5	27.31	Si
748	5X/2Y Ø8/10	-1015	-31859	SLD 5	11533	55098	44447	2.5	43.8	1772	-30172	SLD 3	10590	48385	48551	2.5	27.31	Si
777	5X/2Y Ø8/14.4	-1015	-31729	SLD 5	11517	38145	44430	2.5	37.59	1772	-30042	SLD 3	10573	33497	48532	2.5	18.91	Si
806	5X/2Y Ø8/14.4	-1015	-31598	SLD 5	11500	38145	44413	2.5	37.59	1772	-29911	SLD 3	10555	33497	48514	2.5	18.91	Si
835	5X/2Y Ø8/14.4	-1015	-31468	SLD 5	11484	38145	44396	2.5	37.59	1772	-29781	SLD 3	10537	33497	48495	2.5	18.91	Si
864	5X/2Y Ø8/14.4	-1015	-31337	SLD 5	11468	38145	44379	2.5	37.59	1772	-29650	SLD 3	10519	33497	48477	2.5	18.91	Si
893	5X/2Y Ø8/14.4	-1015	-31207	SLD 5	11452	38145	44363	2.5	37.59	1772	-29520	SLD 3	10501	33497	48459	2.5	18.91	Si
922	5X/2Y Ø8/10	-1015	-31076	SLD 5	11435	55098	44346	2.5	43.7	1772	-29389	SLD 3	10483	48385	48440	2.5	27.31	Si
951	5X/2Y Ø8/10	-1015	-30946	SLD 5	11419	55098	44329	2.5	43.68	1772	-29259	SLD 3	10466	48385	48422	2.5	27.31	Si
980	5X/2Y Ø8/10	-1015	-30815	SLD 5	11403	55098	44312	2.5	43.67	1772	-29128	SLD 3	10448	48385	48403	2.5	27.31	Si
1000	4X/2Y Ø8/10	-1546	-13912	SLD 5	8037	44078	35411	2.5	22.91	981	-13146	SLD 3	7366	39534	38006	2.5	38.74	Si
1029	4X/2Y Ø8/10	-1546	-13805	SLD 5	8024	44078	35397	2.5	22.9	981	-13039	SLD 3	7352	39534	37991	2.5	38.73	Si
1058	4X/2Y Ø8/10	-1546	-13696	SLD 5	8011	44078	35383	2.5	22.89	981	-12930	SLD 3	7337	39534	37976	2.5	38.71	Si
1087	4X/2Y Ø8/14.4	-1546	-13587	SLD 5	7997	30516	35369	2.5	19.74	981	-12821	SLD 3	7323	27370	37961	2.5	27.9	Si
1116	4X/2Y Ø8/14.4	-1546	-13479	SLD 5	7983	30516	35355	2.5	19.74	981	-12712	SLD 3	7308	27370	37946	2.5	27.9	Si
1145	4X/2Y Ø8/14.4	-1546	-13370	SLD 5	7970	30516	35341	2.5	19.74	981	-12604	SLD 3	7294	27370	37931	2.5	27.9	Si
1174	4X/2Y Ø8/14.4	-1546	-13261	SLD 5	7956	30516	35327	2.5	19.74	981	-12495	SLD 3	7279	27370	37916	2.5	27.9	Si
1203	4X/2Y Ø8/14.4	-1546	-13152	SLD 5	7943	30516	35313	2.5	19.74	981	-12386	SLD 3	7264	27370	37901	2.5	27.9	Si
1232	4X/2Y Ø8/10	-1546	-13044	SLD 5	7929	44078	35299	2.5	22.83	981	-12277	SLD 3	7250	39534	37886	2.5	38.62	Si
1261	4X/2Y Ø8/10	-1546	-12935	SLD 5	7916	44078	35285	2.5	22.82	981	-12169	SLD 3	7235	39534	37871	2.5	38.6	Si
1290	4X/2Y Ø8/10	-1546	-12828	SLD 5	7902	44078	35272	2.5	22.82	981	-12062	SLD 3	7221	39534	37856	2.5	38.59	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	409589	44252	-72598	SLE RA 7	-59.5	409589	44252	-72598	SLE RA 7	-817.6	Si
-111	363596	39090	-72468	SLE RA 7	-55.9	363596	39090	-72468	SLE RA 7	-772.6	Si
-81	316809	33838	-72336	SLE RA 7	-52.5	316809	33838	-72336	SLE RA 7	-731.3	Si
-52	270021	28587	-72203	SLE RA 7	-49.8	270021	28587	-72203	SLE RA 7	-698.4	Si
-22	223233	23335	-72071	SLE RA 7	-47	223233	23335	-72071	SLE RA 7	-665.4	Si
7	176446	18084	-71938	SLE RA 7	-44.2	176446	18084	-71938	SLE RA 7	-632.5	Si
36	129658	12832	-71806	SLE RA 7	-41.5	129658	12832	-71806	SLE RA 7	-599.6	Si
66	40786	9753	-75857	SLE RA 13	-38.9	40786	9753	-75857	SLE RA 13	-573.9	Si
95	-29783	4569	-75720	SLE RA 10	-37.9	-29783	4569	-75720	SLE RA 10	-561.9	Si
125	-36446	-1567	-75587	SLE RA 10	-37.8	-36446	-1567	-75587	SLE RA 10	-562.2	Si
154	-53103	-7986	-75460	SLE RA 13	-39.2	-53103	-7986	-75460	SLE RA 13	-576.7	Si
184	-84400	-13900	-75327	SLE RA 13	-41.1	-84400	-13900	-75327	SLE RA 13	-599.2	Si
213	-115999	-19870	-75194	SLE RA 13	-43.1	-115999	-19870	-75194	SLE RA 13	-622	Si
242	-197856	-23929	-70880	SLE RA 7	-45.3	-146992	-25726	-75063	SLE RA 13	-644.4	Si
272	-244644	-29180	-70747	SLE RA 7	-47.9	-244644	-29180	-70747	SLE RA 7	-673.7	Si
301	-291431	-34432	-70615	SLE RA 7	-50.6	-291431	-34432	-70615	SLE RA 7	-704.7	Si
331	-338219	-39683	-70483	SLE RA 7	-53.2	-338219	-39683	-70483	SLE RA 7	-735.7	Si
360	-384211	-44846	-70352	SLE RA 7	-55.8	-384211	-44846	-70352	SLE RA 7	-766.2	Si
380	-282951	119431	-53129	SLE RA 7	-49.6	-282951	119431	-53129	SLE RA 7	-650.1	Si
409	-244625	96525	-52998	SLE RA 7	-45.6	-244625	96525	-52998	SLE RA 7	-606.5	Si
438	-206300	73619	-52868	SLE RA 7	-41.7	-206300	73619	-52868	SLE RA 7	-562.9	Si
467	-167975	50713	-52737	SLE RA 7	-37.7	-167975	50713	-52737	SLE RA 7	-519.4	Si
496	-129650	27807	-52607	SLE RA 7	-33.7	-129650	27807	-52607	SLE RA 7	-475.8	Si
525	-91324	4901	-52476	SLE RA 7	-29.7	-91324	4901	-52476	SLE RA 7	-432.2	Si
554	51852	-20792	-55660	SLE RA 12	-30.8	51852	-20792	-55660	SLE RA 12	-445.9	Si
583	64635	-45569	-55529	SLE RA 12	-33.7	64635	-45569	-55529	SLE RA 12	-474.4	Si
612	77418	-70346	-55399	SLE RA 12	-36.5	77418	-70346	-55399	SLE RA 12	-502.8	Si
641	90201	-95123	-55268	SLE RA 12	-39.3	90201	-95123	-55268	SLE RA 12	-531.3	Si
670	102764	-119473	-55140	SLE RA 12	-42	102764	-119473	-55140	SLE RA 12	-559.2	Si
690	-186483	109220	-36429	SLE RA 13	-36.2	-187195	108542	-36457	SLE RA 12	-465.5	Si
719	-149636	88267	-36327	SLE RA 12	-32.4	-149636	88267	-36327	SLE RA 12	-424.7	Si
748	-112078	67993	-36196	SLE RA 12	-28.8	-112078	67993	-36196	SLE RA 12	-383.9	Si
777	-74520	47719	-36066	SLE RA 12	-25.1	-74520	47719	-36066	SLE RA 12	-343.1	Si
806	-36962	27444	-35935	SLE RA 12	-21.4	-36962	27444	-35935	SLE RA 12	-302.3	Si
835	4552	7414	-35776	SLE RA 13	-17.9	4552	7414	-35776	SLE RA 13	-264.6	Si
864	42759	-12948	-35646	SLE RA 13	-20.2	42759	-12948	-35646	SLE RA 13	-290.8	Si
893	80966	-33309	-35515	SLE RA 13	-23.8	80966	-33309	-35515	SLE RA 13	-330.2	Si
922	119173	-53670	-35385	SLE RA 13	-27.4	119173	-53670	-35385	SLE RA 13	-369.6	Si
951	157380	-74032	-35254	SLE RA 13	-30.9	157380	-74032	-35254	SLE RA 13	-408.2	Si
980	195587	-94393	-35124	SLE RA 13	-32.6	195587	-94393	-35124	SLE RA 13	-424.4	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1000	-111502	163429	-16246	SLE RA 12	-40.3	-111502	163429	-16246	SLE RA 12	-444.3	Si
1029	-95548	123137	-16139	SLE RA 12	-29	-95548	123137	-16139	SLE RA 12	-342.9	Si
1058	-79314	82137	-16030	SLE RA 12	-23.7	-79314	82137	-16030	SLE RA 12	-290	Si
1087	-63080	41137	-15922	SLE RA 12	-18	-63080	41137	-15922	SLE RA 12	-232.1	Si
1116	-46847	137	-15813	SLE RA 12	-12.3	-46847	137	-15813	SLE RA 12	-174.2	Si
1145	-30613	-40862	-15704	SLE RA 12	-15.6	-30613	-40862	-15704	SLE RA 12	-203.7	Si
1174	-14379	-81862	-15595	SLE RA 12	-19	-14379	-81862	-15595	SLE RA 12	-233.5	Si
1203	4068	-122503	-15470	SLE RA 13	-22.7	4068	-122503	-15470	SLE RA 13	-268.6	Si
1232	20422	-163290	-15361	SLE RA 13	-28.3	20422	-163290	-15361	SLE RA 13	-323.4	Si
1261	36776	-204076	-15252	SLE RA 13	-42.8	36776	-204076	-15252	SLE RA 13	-429.4	Si
1290	52848	-244159	-15145	SLE RA 13	-47.7	52848	-244159	-15145	SLE RA 13	496.6	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	11808	42459	-67091	SLE QP 2	-37.5	Si
-111	6989	37525	-66961	SLE QP 2	-36.1	Si
-81	2086	32505	-66828	SLE QP 2	-34.9	Si
-52	-2817	27486	-66696	SLE QP 2	-34.4	Si
-22	-7720	22466	-66563	SLE QP 2	-34.1	Si
7	-12623	17447	-66431	SLE QP 2	-33.8	Si
36	-17526	12427	-66299	SLE QP 2	-33.5	Si
66	-22429	7408	-66166	SLE QP 2	-33.2	Si
95	-27332	2388	-66034	SLE QP 2	-32.9	Si
125	-32234	-2631	-65902	SLE QP 2	-33.1	Si
154	-37137	-7651	-65769	SLE QP 2	-33.8	Si
184	-42040	-12670	-65637	SLE QP 2	-34.4	Si
213	-46991	-17738	-65503	SLE QP 2	-35	Si
242	-51846	-22709	-65372	SLE QP 2	-35.6	Si
272	-56749	-27729	-65240	SLE QP 2	-36.3	Si
301	-61652	-32748	-65108	SLE QP 2	-36.9	Si
331	-66555	-37768	-64975	SLE QP 2	-37.5	Si
360	-71374	-42702	-64845	SLE QP 2	-38.1	Si
380	-27698	112180	-48831	SLE QP 2	-34.8	Si
409	-16503	90537	-48700	SLE QP 2	-32.2	Si
438	-5308	68894	-48570	SLE QP 2	-29.7	Si
467	5888	47252	-48439	SLE QP 2	-27.6	Si
496	17083	25609	-48309	SLE QP 2	-26.1	Si
525	28278	3967	-48178	SLE QP 2	-24.6	Si
554	39473	-17676	-48048	SLE QP 2	-26.3	Si
583	50668	-39319	-47917	SLE QP 2	-28.8	Si
612	61864	-60961	-47787	SLE QP 2	-31.2	Si
641	73059	-82604	-47656	SLE QP 2	-33.7	Si
670	84061	-103873	-47528	SLE QP 2	-36.1	Si
690	-153127	95857	-31254	SLE QP 2	-30.9	Si
719	-122434	77579	-31124	SLE QP 2	-27.7	Si
748	-91741	59301	-30993	SLE QP 2	-24.5	Si
777	-61048	41023	-30863	SLE QP 2	-21.3	Si
806	-30355	22745	-30732	SLE QP 2	-18.1	Si
835	338	4467	-30602	SLE QP 2	-15	Si
864	31031	-13811	-30471	SLE QP 2	-17.2	Si
893	61724	-32090	-30341	SLE QP 2	-20.3	Si
922	92417	-50368	-30210	SLE QP 2	-23.4	Si
951	123110	-68646	-30080	SLE QP 2	-26.4	Si
980	153803	-86924	-29949	SLE QP 2	-27.8	Si
1000	-92065	135193	-13502	SLE QP 2	-28	Si
1029	-78647	102806	-13395	SLE QP 2	-24.1	Si
1058	-64994	69850	-13286	SLE QP 2	-19.8	Si
1087	-51341	36895	-13178	SLE QP 2	-15.2	Si
1116	-37688	3939	-13069	SLE QP 2	-10.5	Si
1145	-24035	-29016	-12960	SLE QP 2	-12.3	Si
1174	-10382	-61971	-12851	SLE QP 2	-14.9	Si
1203	3271	-94927	-12743	SLE QP 2	-18	Si
1232	16924	-127882	-12634	SLE QP 2	-22.6	Si
1261	30578	-160837	-12525	SLE QP 2	-27.1	Si
1290	43995	-193225	-12418	SLE QP 2	-37.9	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

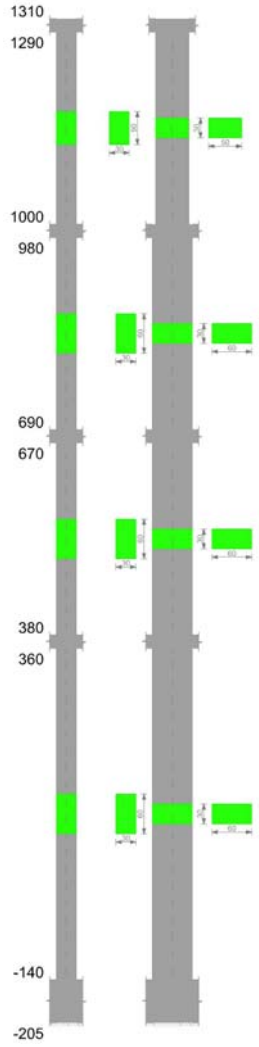
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.

Pilastro 71

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 30x60_1	No	No	No	No		C30/37	B450C	
380	670	R 30x60_1	No	No	No	No		C30/37	B450C	
690	980	R 30x60_1	No	No	No	No		C30/37	B450C	
1000	1290	R 30x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.67	-24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.67	24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.67	24.67	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	-9.9	8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.9	-8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.1	9.9	8.57	1.6	2.011	-172.5	-140	R 30x60_1	B450C
p.2	-9.67	-24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.67	-24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.67	24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.67	24.67	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	-12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	0	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	-9.9	12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	-12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	0	1.6	2.011	-140	380	R 30x60_1	B450C
p.2	9.9	12.85	1.6	2.011	-140	380	R 30x60_1	B450C
p.3	-9.67	-24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.67	-24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.67	24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.67	24.67	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	-12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	0	1.6	2.011	380	690	R 30x60_1	B450C
p.3	-9.9	12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	-12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	0	1.6	2.011	380	690	R 30x60_1	B450C
p.3	9.9	12.85	1.6	2.011	380	690	R 30x60_1	B450C
p.4	-9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	9.67	-24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.4	-9.67	24.67	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	-9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	-9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.6	9.9	-12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.6	9.9	12.85	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	-9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.7	9.9	0	1.6	2.011	690	1000	R 30x60_1	B450C
p.8	-9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	-19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.8	-9.67	19.67	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	-9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	9.9	-6.9	1.6	2.011	1000	1310	R 30x50	B450C
p.9	9.9	6.9	1.6	2.011	1000	1310	R 30x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2	0	1,2	263798	-263798	-97253	785458	-785458	SLU 52	2.977	Si
-111	18.42	2	0	1,2	263340	-263340	-97084	804436	-804436	SLU 52	3.055	Si
-81	20.11	1.1	0	2	262873	-262873	-96912	818158	-818158	SLU 52	3.112	Si
-52	20.11	1.1	0	2	262406	-262406	-96740	818158	-818158	SLU 52	3.118	Si
-22	20.11	1.1	0	2	261939	-261939	-96568	818158	-818158	SLU 52	3.123	Si
7	20.11	1.1	0	2	261473	-261473	-96395	818158	-818158	SLU 52	3.129	Si
36	20.11	1.1	0	2	261006	-261006	-96223	818158	-818158	SLU 52	3.135	Si
66	20.11	1.1	0	2	260539	-260539	-96051	818158	-818158	SLU 52	3.14	Si
95	20.11	1.1	0	2	260073	260073	-95879	818158	818158	SLU 52	3.146	Si
125	20.11	1.1	0	2	259606	259606	-95707	818158	818158	SLU 52	3.152	Si
154	20.11	1.1	0	2	259139	259139	-95535	818158	818158	SLU 52	3.157	Si
184	20.11	1.1	0	2	-258672	258672	-95363	-818158	818158	SLU 52	3.163	Si
213	20.11	1.1	0	2	-258201	258201	-95189	-818158	818158	SLU 52	3.169	Si
242	20.11	1.1	0	2	-257739	257739	-95019	-818158	818158	SLU 52	3.174	Si
272	20.11	1.1	0	2	-257272	257272	-94847	-818158	818158	SLU 52	3.18	Si
301	20.11	1.1	0	2	-256806	256806	-94675	-818158	818158	SLU 52	3.186	Si
331	20.11	1.1	0	2	-256339	256339	-94503	-818158	818158	SLU 52	3.192	Si
360	20.11	1.1	0	2	-255880	255880	-94334	-818158	818158	SLU 52	3.197	Si
380	20.11	2.2	0	2,3	275508	-158005	-79003	1085801	-622713	SLU 52	3.941	Si
409	20.11	2.2	0	2,3	242274	-157666	-78833	969787	-631114	SLU 52	4.003	Si
438	20.11	1.1	0	3	209040	-157327	-78663	847700	-637992	SLU 52	4.055	Si
467	20.11	1.1	0	3	175806	-156987	-78494	721570	-644332	SLU 52	4.104	Si
496	20.11	1.1	0	3	156648	156648	-78324	647491	647491	SLU 52	4.133	Si
525	20.11	1.1	0	3	156309	156309	-78154	647491	647491	SLU 52	4.142	Si
554	20.11	1.1	0	3	155970	155970	-77985	647491	647491	SLU 52	4.151	Si
583	20.11	1.1	0	3	155630	155630	-77815	647491	647491	SLU 52	4.16	Si
612	20.11	1.1	0	3	155291	155291	-77645	647491	647491	SLU 52	4.17	Si
641	20.11	1.1	0	3	-154952	158231	-77476	-645373	659033	SLU 52	4.165	Si
670	20.11	1.1	0	3	-154355	192762	-77178	-622394	777258	SLU 51	4.032	Si
690	20.11	2.2	0	3,4,6,7	-97284	-248724	-48642	-503275	-1286706	SLU 51	5.173	Si
719	20.11	2.2	0	3,4,6,7	-96945	-196634	-48473	-548868	-1113270	SLU 51	5.662	Si
748	20.11	1.1	0	4,6,7	-96606	-144544	-48303	-598008	-894756	SLU 51	6.19	Si
777	20.11	1.1	0	4,6,7	-96428	-96428	-48214	-647491	-647491	SLU 50	6.715	Si
806	20.11	1.1	0	4,6,7	-96089	-96089	-48045	-647491	-647491	SLU 50	6.738	Si
835	20.11	1.1	0	4,6,7	95750	95750	-47875	647491	647491	SLU 50	6.762	Si
864	20.11	1.1	0	4,6,7	95410	95410	-47705	647491	647491	SLU 50	6.786	Si
893	20.11	1.1	0	4,6,7	94909	115905	-47455	625168	763466	SLU 51	6.587	Si
922	20.11	1.1	0	4,6,7	94570	167995	-47285	571999	1016103	SLU 51	6.048	Si
951	20.37	1.6	0	4,5,6,7	94231	220084	-47115	523467	1222606	SLU 51	5.555	Si
980	27.42	2	0	4,5,6,7	104800	272174	-46946	571954	1485416	SLU 51	5.458	Si
1000	20.11	2.4	0	5,6,7,8,9	136000	-166295	-17396	1008099	-1232657	SLU 51	7.412	Si
1029	17.8	2.4	0	5,6,7,8,9	88743	-138854	-17257	780625	-1221427	SLU 51	8.796	Si
1058	16.08	1.1	0	8,9	40657	-110933	-17116	434200	-1184717	SLU 51	10.68	Si
1087	16.08	1.1	0	8,9	-33948	-83011	-16974	-420521	-1028261	SLU 51	12.387	Si
1116	16.08	1.1	0	8,9	-57918	-55070	-16870	-789912	-751064	SLU 50	13.638	Si
1145	16.08	1.1	0	8,9	-105707	-33458	-16729	-1389129	-439686	SLU 50	13.141	Si
1174	16.08	1.1	0	8,9	-153495	-33175	-16588	-1751345	-378524	SLU 50	11.41	Si
1203	16.08	1.1	0	8,9	-201376	32878	-16439	-1976243	322660	SLU 52	9.814	Si
1232	16.08	1.1	0	8,9	-247692	56752	-16274	-1968265	450972	SLU 49	7.946	Si
1261	16.08	1.1	0	8,9	-295947	84520	-16126	-1861811	531718	SLU 51	6.291	Si
1290	22.11	2.1	0	8,9	-344033	112442	-15985	-1964570	642089	SLU 51	5.71	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	16.08	2	0	1,2	1100081	-126365	-70867	-2.02	1.92	2357398	-270791	SLV 5	2.143				Si
-111	18.42	2	0	1,2	1022650	-113697	-70736	-2.02	1.92	2381327	-264754	SLV 5	2.329				Si
-81	20.11	1.1	0	2	943896	-100812	-70604	-2.02	1.92	2379337	-254123	SLV 5	2.521				Si
-52	20.11	1.1	0	2	865161	-87928	-70472	-2.02	1.92	2332314	-237038	SLV 5	2.696				Si
-22	20.11	1.1	0	2	786451	-75046	-70339	-2.02	1.92	2267335	-216357	SLV 5	2.883				Si
7	20.11	1.1	0	2	707774	-62166	-70207	-2.02	1.92	2180047	-191481	SLV 5	3.08				Si
36	20.11	1.1	0	2	629141	-49290	-70075	-2.02	1.92	2068099	-162026	SLV 5	3.287				Si
66	20.11	1.1	0	2	550574	-36422	-69942	-2.02	1.92	1928779	-127593	SLV 5	3.503				Si
95	20.11	1.1	0	2	472096	-23565	-69810	-2.02	1.92	1761999	-87950	SLV 5	3.732				Si
125	20.11	1.1	0	2	393759	-10732	-69678	-2.02	1.92	1570908	-42817	SLV 5	3.99				Si
154	20.11	1.1	0	2	315676	2020	-69545	-2.02	1.92	1346582	8615	SLV 5	4.266				Si
184	20.11	1.1	0	2	238043	14161	-69413	-2.02	1.92	1067812	63523	SLV 5	4.486				Si
213	20.11	1.1	0	2	160612	25453	-69279	-2.02	1.92	758772	120248	SLV 5	4.724				Si
242	20.11	1.1	0	2	88006	41559	-69148	-2.02	1.92	419067	197894	SLV 5	4.762				Si
272	20.11	1.1	0	2	-22659	54209	-69016	-2.02	1.92	-108106	258629	SLV 5	4.771				Si
301	20.11	1.1	0	2	-78923	121442	-64660	-2.02	1.92	-364585	561007	SLV 9	4.62				Si
331	20.11	1.1	0	2	-121830	150832	-64528	-2.02	1.92	-525065	650058	SLV 9	4.31				Si
360	20.11	1.1	0	2	-172261	179768	-64397	-2.02	1.92	-692916	723113	SLV 9	4.022				Si
380	20.11	2.2	0	2,3	304308	-243551	-52622	-2.02	1.92	1134550	-908028	SLV 9	3.728				Si
409	20.11	2.2	0	2,3	257819	-192177	-52492	-2.02	1.92	1083320	-807502	SLV 9	4.202				Si
438	20.11	1.1	0	3	211911	-140989	-52361	-2.02	1.92	1000898	-665921	SLV 9	4.723				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
467	20.11	1.1	0	3	200306	-51493	-55232	-2.02	1.92	1055003	-271212	SLV 5	5.267				Si
496	20.11	1.1	0	3	38755	-20438	-55102	-2.02	1.92	231588	-122132	SLV 5	5.976				Si
525	20.11	1.1	0	3	-10022	3309	-54971	-2.02	1.92	-60028	19821	SLV 5	5.99				Si
554	20.11	1.1	0	3	-43205	47622	-54841	-2.02	1.92	-259408	285929	SLV 5	6.004				Si
583	20.11	1.1	0	3	-92702	79013	-54710	-2.02	1.92	-517297	440911	SLV 5	5.58				Si
612	20.11	1.1	0	3	-89825	172328	-51578	-2.02	1.92	-445479	854646	SLV 9	4.959				Si
641	20.11	1.1	0	3	-135156	223570	-51448	-2.02	1.92	-597150	987782	SLV 9	4.418				Si
670	20.11	1.1	0	3	-180546	274083	-51320	-2.02	1.92	-708368	1075356	SLV 9	3.923				Si
690	20.11	2.2	0	3,4,6,7	-99903	-331856	-27154	-2.02	1.92	-407899	-1354954	SLV 13	4.083				Si
719	20.11	2.2	0	3,4,6,7	-79073	-262915	-27023	-2.02	1.92	-404110	-1343651	SLV 13	5.111				Si
748	20.11	1.1	0	4,6,7	-59545	-194234	-26893	-2.02	1.92	-392533	-1280438	SLV 13	6.592				Si
777	20.11	1.1	0	4,6,7	36940	-110131	-31624	-2.02	1.92	301102	-897683	SLV 9	8.151				Si
806	20.11	1.1	0	4,6,7	22700	-52990	-31494	-2.02	1.92	224262	-523501	SLV 9	9.879				Si
835	20.11	1.1	0	4,6,7	-57203	12223	-33180	-2.02	1.92	-567665	121292	SLV 5	9.924				Si
864	20.11	1.1	0	4,6,7	-76797	53554	-33050	-2.02	1.92	-677559	472489	SLV 5	8.823				Si
893	20.11	1.1	0	4,6,7	72530	157667	-26240	-2.02	1.92	538425	1170443	SLV 13	7.424				Si
922	20.11	1.1	0	4,6,7	93346	226054	-26110	-2.02	1.92	530872	1285601	SLV 13	5.687				Si
951	20.37	1.6	0	4,5,6,7	114803	294874	-25979	-2.02	1.92	513319	1318469	SLV 13	4.471				Si
980	27.42	2	0	4,5,6,7	136619	363880	-25849	-2.02	1.92	555305	1479034	SLV 13	4.065				Si
1000	20.11	2.4	0	5,6,7,8,9	151238	-226408	-11277	-2.02	1.92	655607	-981466	SLV 9	4.335				Si
1029	17.8	2.4	0	5,6,7,8,9	102426	-181357	-11170	-2.02	1.92	560805	-992966	SLV 9	5.475				Si
1058	16.08	1.1	0	8,9	53488	-135644	-11062	-2.02	1.92	413442	-1048476	SLV 9	7.73				Si
1087	16.08	1.1	0	8,9	11538	-102627	-8915	-2.02	1.92	132375	-1177433	SLV 13	11.473				Si
1116	16.08	1.1	0	8,9	-68947	-38952	-11647	-2.02	1.92	-1011649	-571544	SLV 5	14.673				Si
1145	16.08	1.1	0	8,9	-118563	-33684	-11375	-2.02	1.92	-1439009	-408825	SLV 1	12.137				Si
1174	16.08	1.1	0	8,9	-173907	-41253	-11266	-2.02	1.92	-1543804	-366213	SLV 1	8.877				Si
1203	16.08	1.1	0	8,9	-199542	96047	-10518	-2.02	1.92	-1194476	574947	SLV 9	5.986				Si
1232	16.08	1.1	0	8,9	-249458	141820	-10409	-2.02	1.92	-1072292	609612	SLV 9	4.298				Si
1261	16.08	1.1	0	8,9	-299417	187687	-10300	-2.02	1.92	-930109	583031	SLV 9	3.106				Si
1290	22.11	2.1	0	8,9	-349401	233599	-10192	-2.02	1.92	-1033514	690976	SLV 9	2.958				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	16.08	2	0	1,2	495190	-59275	-63669	1808312	-216458	SLD 5	3.652	Si
-111	18.42	2	0	1,2	458781	-52217	-63539	1764840	-200869	SLD 5	3.847	Si
-81	20.11	1.1	0	2	421750	-45038	-63406	1701869	-181738	SLD 5	4.035	Si
-52	20.11	1.1	0	2	384731	-37859	-63274	1608887	-158319	SLD 5	4.182	Si
-22	20.11	1.1	0	2	347727	-30681	-63142	1508959	-133140	SLD 5	4.339	Si
7	20.11	1.1	0	2	310742	-23505	-63009	1401125	-105982	SLD 5	4.509	Si
36	20.11	1.1	0	2	230979	55465	-62157	1079700	259270	SLD 1	4.674	Si
66	20.11	1.1	0	2	198451	50143	-62024	961043	242826	SLD 1	4.843	Si
95	20.11	1.1	0	2	165977	44839	-61892	833704	225226	SLD 1	5.023	Si
125	20.11	1.1	0	2	133588	39575	-61760	696821	206432	SLD 1	5.216	Si
154	20.11	1.1	0	2	126564	12253	-62347	668410	64710	SLD 5	5.281	Si
184	20.11	1.1	0	2	90185	19035	-62215	477299	100741	SLD 5	5.292	Si
213	20.11	1.1	0	2	54003	25499	-62081	286422	135241	SLD 5	5.304	Si
242	20.11	1.1	0	2	20355	34282	-61950	108187	182208	SLD 5	5.315	Si
272	20.11	1.1	0	2	-30912	41338	-61818	-164650	220186	SLD 5	5.326	Si
301	20.11	1.1	0	2	-74618	48475	-61686	-398299	258752	SLD 5	5.338	Si
331	20.11	1.1	0	2	-83595	83912	-59902	-433898	435544	SLD 9	5.19	Si
360	20.11	1.1	0	2	-109011	97368	-59772	-543609	485552	SLD 9	4.987	Si
380	20.11	2.2	0	2,3	212296	-151397	-49375	1020981	-728104	SLD 9	4.809	Si
409	20.11	2.2	0	2,3	182753	-118638	-49245	952191	-618136	SLD 9	5.21	Si
438	20.11	1.1	0	3	153558	-85991	-49114	868948	-486603	SLD 9	5.659	Si
467	20.11	1.1	0	3	139689	-38228	-50161	858190	-234855	SLD 5	6.144	Si
496	20.11	1.1	0	3	58520	-13541	-50030	385146	-89120	SLD 5	6.581	Si
525	20.11	1.1	0	3	24641	7910	-49900	162595	52198	SLD 5	6.599	Si
554	20.11	1.1	0	3	792	39280	-49769	5239	259876	SLD 5	6.616	Si
583	20.11	1.1	0	3	-9613	81163	-48462	-63065	532451	SLD 9	6.56	Si
612	20.11	1.1	0	3	-37579	113631	-48331	-225608	682198	SLD 9	6.004	Si
641	20.11	1.1	0	3	-66508	146316	-48201	-367224	807887	SLD 9	5.522	Si
670	20.11	1.1	0	3	-95397	178528	-48072	-487390	912111	SLD 9	5.109	Si
690	20.11	2.2	0	3,4,6,7	-66852	-218942	-28274	-397307	-1301182	SLD 13	5.943	Si
719	20.11	2.2	0	3,4,6,7	-53146	-173419	-28144	-373799	-1219730	SLD 13	7.033	Si
748	20.11	1.1	0	4,6,7	-39978	-128044	-28013	-331723	-1062465	SLD 13	8.298	Si
777	20.11	1.1	0	4,6,7	8282	-76570	-29791	80350	-742896	SLD 9	9.702	Si
806	20.11	1.1	0	4,6,7	-3411	-27683	-30376	-36972	-300074	SLD 5	10.84	Si
835	20.11	1.1	0	4,6,7	-23354	9642	-30246	-254246	104962	SLD 5	10.886	Si
864	20.11	1.1	0	4,6,7	-23575	44416	-30115	-248316	467830	SLD 5	10.533	Si
893	20.11	1.1	0	4,6,7	42655	103787	-27361	385936	939045	SLD 13	9.048	Si
922	20.11	1.1	0	4,6,7	56218	148979	-27230	432848	1147064	SLD 13	7.7	Si
951	20.37	1.6	0	4,5,6,7	70126	194425	-27100	456312	1265124	SLD 13	6.507	Si
980	27.42	2	0	4,5,6,7	84234	239981	-26969	502989	1433007	SLD 13	5.971	Si
1000	20.11	2.4	0	5,6,7,8,9	107738	-149845	-10564	699710	-973178	SLD 9	6.495	Si
1029	17.8	2.4	0	5,6,7,8,9	72648	-122217	-10457	591416	-994946	SLD 9	8.141	Si
1058	16.08	1.1	0	8,9	37339	-94167	-10349	414513	-1045369	SLD 9	11.101	Si
1087	16.08	1.1	0	8,9	4551	-71309	-9438	71998	-1128101	SLD 13	15.82	Si
1116	16.08	1.1	0	8,9	-44659	-35615	-10449	-789349	-629495	SLD 5	17.675	Si
1145	16.08	1.1	0	8,9	-79846	-23360	-10278	-1307989	-382678	SLD 1	16.381	Si
1174	16.08	1.1	0	8,9	-117720	-16119	-10170	-1644960	-225242	SLD 1	13.974	Si
1203	16.08	1.1	0	8,9	-144021	47663	-9805	-1413172	467683	SLD 9	9.812	Si
1232	16.08	1.1	0	8,9	-179877	75737	-9696	-1269613	534568	SLD 9	7.058	Si
1261	16.08	1.1	0	8,9	-215759	103860	-9587	-1171332	563846	SLD 9	5.429	Si
1290	22.11	2.1	0	8,9	-251656	132007	-9479	-1246778	654001	SLD 9	4.954	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	937	-68829	SLU 16	15366	50695	52181	2.3	54.09	-623	-97244	SLU 51	15029	48390	55356	2.5	77.69	Si
-111	5X/2Y Ø8/10	937	-68699	SLU 16	15366	50695	52163	2.3	54.09	-623	-97075	SLU 51	15029	48390	55356	2.5	77.69	Si
-81	5X/2Y Ø8/10	937	-68566	SLU 16	15366	50695	52145	2.3	54.09	-623	-96903	SLU 51	15029	48390	55356	2.5	77.69	Si
-52	5X/2Y Ø8/10	937	-68434	SLU 16	15366	50695	52127	2.3	54.09	-623	-96731	SLU 51	15029	48390	55356	2.5	77.69	Si
-22	5X/2Y Ø8/14.7	940	-82437	SLU 20	15366	37388	50429	2.5	39.79	-623	-96559	SLU 51	15029	32833	55356	2.5	52.71	Si
7	5X/2Y Ø8/14.7	940	-82305	SLU 20	15366	37388	50429	2.5	39.79	-623	-96387	SLU 51	15029	32833	55356	2.5	52.71	Si
36	5X/2Y Ø8/14.7	940	-82172	SLU 20	15366	37388	50429	2.5	39.79	-623	-96215	SLU 51	15029	32833	55356	2.5	52.71	Si
66	5X/2Y Ø8/14.7	940	-82040	SLU 20	15366	37388	50429	2.5	39.79	-623	-96043	SLU 51	15029	32833	55356	2.5	52.71	Si
95	5X/2Y Ø8/14.7	940	-81908	SLU 20	15366	37388	50429	2.5	39.79	-623	-95871	SLU 51	15029	32833	55356	2.5	52.71	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
125	5X/2Y Ø8/14.7	940	-81775	SLU 20	15366	37388	50429	2.5	39.79	-623	-95699	SLU 51	15029	32833	55356	2.5	52.71	Si
154	5X/2Y Ø8/14.7	940	-81643	SLU 20	15366	37388	50429	2.5	39.79	-623	-95526	SLU 51	15029	32833	55356	2.5	52.71	Si
184	5X/2Y Ø8/14.7	940	-81511	SLU 20	15366	37388	50429	2.5	39.79	-623	-95354	SLU 51	15029	32833	55356	2.5	52.71	Si
213	5X/2Y Ø8/14.7	940	-81377	SLU 20	15366	37388	50429	2.5	39.79	-623	-95181	SLU 51	15029	32833	55356	2.5	52.71	Si
242	5X/2Y Ø8/10	937	-67110	SLU 16	15366	50690	51946	2.3	54.08	-623	-95010	SLU 51	15029	48385	55356	2.5	77.68	Si
272	5X/2Y Ø8/10	937	-66978	SLU 16	15366	50690	51928	2.3	54.08	-623	-94838	SLU 51	15029	48385	55356	2.5	77.68	Si
301	5X/2Y Ø8/10	937	-66846	SLU 16	15366	50690	51910	2.3	54.08	-623	-94666	SLU 51	15029	48385	55356	2.5	77.68	Si
331	5X/2Y Ø8/10	937	-66713	SLU 16	15366	50690	51892	2.3	54.08	-623	-94494	SLU 51	15029	48385	55356	2.5	77.68	Si
360	5X/2Y Ø8/10	937	-66583	SLU 16	15366	50690	51874	2.3	54.08	-623	-94325	SLU 51	15029	48385	55356	2.5	77.68	Si
380	5X/2Y Ø8/10	1164	-78871	SLU 51	15366	51792	52691	2.35	44.49	-1146	-79003	SLU 52	15029	48385	55356	2.5	42.22	Si
409	5X/2Y Ø8/10	1164	-78702	SLU 51	15366	51792	52691	2.35	44.49	-1146	-78833	SLU 52	15029	48385	55356	2.5	42.22	Si
438	5X/2Y Ø8/10	1164	-78532	SLU 51	15366	51792	52691	2.35	44.49	-1146	-78663	SLU 52	15029	48385	55356	2.5	42.22	Si
467	5X/2Y Ø8/14.4	1164	-78362	SLU 51	15366	38145	50429	2.5	32.77	-1146	-78494	SLU 52	15029	33497	55356	2.5	29.23	Si
496	5X/2Y Ø8/14.4	1164	-78193	SLU 51	15366	38145	50414	2.5	32.77	-1146	-78324	SLU 52	15029	33497	55356	2.5	29.23	Si
525	5X/2Y Ø8/14.4	1164	-78023	SLU 51	15366	38145	50392	2.5	32.77	-1146	-78154	SLU 52	15029	33497	55334	2.5	29.23	Si
554	5X/2Y Ø8/14.4	1164	-77853	SLU 51	15366	38145	50370	2.5	32.77	-1146	-77985	SLU 52	15029	33497	55310	2.5	29.23	Si
583	5X/2Y Ø8/14.4	1164	-77684	SLU 51	15366	38145	50349	2.5	32.77	-1146	-77815	SLU 52	15029	33497	55286	2.5	29.23	Si
612	5X/2Y Ø8/10	1164	-77514	SLU 51	15366	51792	52584	2.35	44.49	-1146	-77645	SLU 52	15029	48385	55262	2.5	42.22	Si
641	5X/2Y Ø8/10	1164	-77344	SLU 51	15366	51792	52561	2.35	44.49	-1146	-77476	SLU 52	15029	48385	55238	2.5	42.22	Si
670	5X/2Y Ø8/10	1164	-77178	SLU 51	15366	51792	52538	2.35	44.49	-1146	-77309	SLU 52	15029	48385	55215	2.5	42.22	Si
690	5X/2Y Ø8/10	1796	-48642	SLU 51	13622	49588	50164	2.25	27.61	640	-48645	SLU 49	13115	48385	51162	2.5	75.59	Si
719	5X/2Y Ø8/10	1796	-48473	SLU 51	13601	49588	50140	2.25	27.61	640	-48475	SLU 49	13092	48385	51138	2.5	75.59	Si
748	5X/2Y Ø8/10	1796	-48303	SLU 51	13580	49588	50117	2.25	27.61	640	-48306	SLU 49	13069	48385	51114	2.5	75.59	Si
777	5X/2Y Ø8/14.4	1796	-48133	SLU 51	13559	38145	46543	2.5	21.24	640	-48136	SLU 49	13045	33497	51090	2.5	52.33	Si
806	5X/2Y Ø8/14.4	1796	-47964	SLU 51	13538	38145	46521	2.5	21.24	640	-47966	SLU 49	13022	33497	51066	2.5	52.33	Si
835	5X/2Y Ø8/14.4	1796	-47794	SLU 51	13517	38145	46499	2.5	21.24	640	-47797	SLU 49	12999	33497	51042	2.5	52.33	Si
864	5X/2Y Ø8/14.4	1796	-47624	SLU 51	13496	38145	46477	2.5	21.24	640	-47627	SLU 49	12976	33497	51019	2.5	52.33	Si
893	5X/2Y Ø8/14.4	1796	-47455	SLU 51	13475	38145	46455	2.5	21.24	640	-47457	SLU 49	12953	33497	50995	2.5	52.33	Si
922	5X/2Y Ø8/10	1796	-47285	SLU 51	13453	49588	49976	2.25	27.61	640	-47288	SLU 49	12930	48385	50971	2.5	75.59	Si
951	5X/2Y Ø8/10	1796	-47115	SLU 51	13432	49588	49952	2.25	27.61	640	-47118	SLU 49	12906	48385	50947	2.5	75.59	Si
980	5X/2Y Ø8/10	1796	-46946	SLU 51	13411	49588	49929	2.25	27.61	640	-46948	SLU 49	12883	48385	50923	2.5	75.59	Si
1000	4X/2Y Ø8/10	964	-17403	SLU 49	8472	38789	39177	2.2	40.26	-1658	-17396	SLU 51	7936	38743	39160	2.45	23.37	Si
1029	4X/2Y Ø8/10	964	-17264	SLU 49	8455	38789	39157	2.2	40.26	-1658	-17257	SLU 51	7917	38743	39141	2.45	23.37	Si
1058	4X/2Y Ø8/10	964	-17123	SLU 49	8437	38789	39137	2.2	40.26	-1658	-17116	SLU 51	7898	38743	39121	2.45	23.37	Si
1087	4X/2Y Ø8/14.4	964	-16981	SLU 49	8420	30516	35807	2.5	31.67	-1658	-16974	SLU 51	7879	27370	38537	2.5	16.51	Si
1116	4X/2Y Ø8/14.4	964	-16840	SLU 49	8402	30516	35788	2.5	31.67	-1658	-16833	SLU 51	7860	27370	38517	2.5	16.51	Si
1145	4X/2Y Ø8/14.4	964	-16699	SLU 49	8384	30516	35770	2.5	31.67	-1658	-16691	SLU 51	7841	27370	38498	2.5	16.51	Si
1174	4X/2Y Ø8/14.4	964	-16557	SLU 49	8367	30516	35752	2.5	31.67	-1658	-16550	SLU 51	7822	27370	38478	2.5	16.51	Si
1203	4X/2Y Ø8/14.4	964	-16416	SLU 49	8349	30516	35734	2.5	31.67	-1658	-16409	SLU 51	7803	27370	38459	2.5	16.51	Si
1232	4X/2Y Ø8/10	964	-16274	SLU 49	8332	38789	39018	2.2	40.26	-1658	-16267	SLU 51	7784	38743	39002	2.45	23.37	Si
1261	4X/2Y Ø8/10	964	-16133	SLU 49	8314	38789	38998	2.2	40.26	-1658	-16126	SLU 51	7765	38743	38982	2.45	23.37	Si
1290	4X/2Y Ø8/10	964	-15992	SLU 49	8296	38789	38978	2.2	40.26	-1658	-15985	SLU 51	7747	38743	38962	2.45	23.37	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	1241	-54931	SLV 13	14405	49593	51036	2.25	39.97	-2681	-70867	SLV 5	15029	48390	54304	2.5	18.05	Si
-111	5X/2Y Ø8/10	1241	-54801	SLV 13	14389	49593	51018	2.25	39.97	-2681	-70736	SLV 5	15029	48390	54286	2.5	18.05	Si
-81	5X/2Y Ø8/10	1241	-54668	SLV 13	14373	49593	50999	2.25	39.97	-2681	-70604	SLV 5	15029	48390	54267	2.5	18.05	Si
-52	5X/2Y Ø8/10	1241	-54536	SLV 13	14356	49593	50981	2.25	39.97	-2681	-70472	SLV 5	15029	48390	54248	2.5	18.05	Si
-22	5X/2Y Ø8/14.7	1241	-54404	SLV 13	14340	37388	47350	2.5	30.13	-2681	-70339	SLV 5	15029	32833	54229	2.5	12.24	Si
7	5X/2Y Ø8/14.7	1241	-54271	SLV 13	14323	37388	47333	2.5	30.13	-2681	-70207	SLV 5	15029	32833	54211	2.5	12.24	Si
36	5X/2Y Ø8/14.7	1241	-54139	SLV 13	14307	37388	47316	2.5	30.13	-2681	-70075	SLV 5	15029	32833	54192	2.5	12.24	Si
66	5X/2Y Ø8/14.7	1241	-54006	SLV 13	14290	37388	47299	2.5	30.13	-2681	-69942	SLV 5	15029	32833	54173	2.5	12.24	Si
95	5X/2Y Ø8/14.7	1241	-53874	SLV 13	14274	37388	47282	2.5	30.13	-2681	-69810	SLV 5	15029	32833	54155	2.5	12.24	Si
125	5X/2Y Ø8/14.7	1241	-53742	SLV 13	14257	37388	47265	2.5	30.13	-2681	-69678	SLV 5	15029	32833	54136	2.5	12.24	Si
154	5X/2Y Ø8/14.7	1241	-53609	SLV 13	14241	37388	47248	2.5	30.13	-2681	-69545	SLV 5	15029	32833	54117	2.5	12.24	Si
184	5X/2Y Ø8/14.7	1241	-53477	SLV 13	14224	37388	47231	2.5	30.13	-2681	-69413	SLV 5	15029	32833	54099	2.5	12.24	Si
213	5X/2Y Ø8/14.7	1241	-53343	SLV 13	14208	37388	47214	2.5	30.13	-2681	-69279	SLV 5	15029	32833	54080	2.5	12.24	Si
242	5X/2Y Ø8/10	1241	-53212	SLV 13	14191	49588	50797	2.25	39.97	-2681	-69148	SLV 5	15029	48385	54061	2.5	18.04	Si
272	5X/2Y Ø8/10	1241	-53080	SLV 13	14175	49588	50779	2.25	39.97	-2681	-69016	SLV 5	15029	48385	54042	2.5	18.04	Si
301	5X/2Y Ø8/10	1241	-52948	SLV 13	14158	49588	50761	2.25	39.97	-2681	-68883	SLV 5	15029	48385	54024	2.5	18.04	Si
331	5X/2Y Ø8/10	1241	-52815	SLV 13	14142	49588	50742	2.25	39.97	-2681	-68751	SLV 5	15029	48385	54005	2.5	18.04	Si
360	5X/2Y Ø8/10	1241	-52685	SLV 13	14126	49588	50724	2.25	39.97	-2681	-68621	SLV 5	15029	48385	53987	2.5	18.04	Si
380	5X/2Y Ø8/10	2059	-44343	SLV 13	13087	48486	50313	2.2	23.54	-2144	-55624	SLV 5	14069	48385	52149	2.5	22.57	Si
409	5X/2Y Ø8/10	2059	-44212	SLV 13	13071	48486	50295	2.2	23.54	-2144	-55493	SLV 5	14051	48385	52131	2.5	22.57	Si
438	5X/2Y Ø8/10	2059	-44082	SLV 13	13055	48486	50276	2.2	23.54	-2144	-55363	SLV 5	14033	48385	52112	2.5	22.57	Si
467	5X/2Y Ø8/14.4	2059	-43951	SLV 13	13038	38145	46004	2.5	18.52	-2144	-55232	SLV 5	14015	33497	52094	2.5	15.63	Si
496	5X/2Y Ø8/14.4	2059	-43821	SLV 13	13022	38145	45987	2.5	18.52	-2144	-55102	SLV 5	13997	33497	52075	2.5	15.63	Si
525	5X/2Y Ø8/14.4	2059	-43690	SLV 13	13006	38145	45970	2.5	18.52	-2144	-54971	SLV 5	13980	33497	52057	2.5	15.63	Si
554	5X/2Y Ø8/14.4	2059	-43560	SLV 13	12990	38145	45954	2.5	18.52	-2144	-54841	SLV 5	13962	33497	52038	2.5	15.63	Si
583	5X/2Y Ø8/14.4	2059	-43429	SLV 13	12973	38145	45937	2.5	18.52	-2144	-54710	SLV 5	13944	33497	52020	2.5	15.63	Si
612	5X/2Y Ø8/10	2059	-43299	SLV 13	12957	48486	50166	2.2	23.54	-2144	-54580	SLV 5	13926	48385	52001	2.5	22.57	Si
641	5X/2Y Ø8/10	2059	-43168	SLV 13	12941	48486	50148	2.2	23.54	-2144	-54449	SLV 5	13908	48385	51983	2.5	22.57	Si
670	5X/2Y Ø8/10	2059	-43040	SLV 13	12925	48486	50130	2.2	23.54	-2144	-54321	SLV 5	13891	48385	51965	2.5	22.57	Si
690	5X/2Y Ø8/10	2390	-27154	SLV 13	10947	47384	48617	2.15	19.83	1828	-24181	SLV 11	9772	47417	48402	2.45	25.94	Si
719	5X/2Y Ø8/10	2390	-27023	SLV 13	10931	47384	48598	2.15	19.83	1828	-24051	SLV 11	9754	47417	48383	2.45	25.94	Si
748	5X/2Y Ø8/10	2390	-26893	SLV 13	10915	47384	48579	2.15	19.83	1828	-23920	SLV 11	9736	47417	48365	2.45	25.94	Si
777	5X/2Y Ø8/14.4	2390	-26762	SLV 13	10898	38145	43790	2.5	15.96	1828	-23790	SLV 11	9718	33497	47648	2.5	18.33	Si
806	5X/2Y Ø8/14.4	2390	-26632	SLV 13	10882	38145	43773	2.5	15.96	1828	-23659	SLV 11	9700	33497	47630	2.5	18.33	Si
835	5X/2Y Ø8/14.4	2390	-26501	SLV 13	10866	38145	43757	2.5	15.96	1828	-23529	SLV 11	9683	33497	47612	2.5	18.33	Si
864	5X/2Y Ø8/14.4	2390	-26371	SLV 13	10850	38145	43740	2.5	15.96	1828	-23398	SLV 11	9665	33497	47593	2.5	18.33	Si
893	5X/2Y Ø8/14.4	2390	-26240	SLV 13	10833	38145	43723	2.5	15.96	1828	-23268	SLV 11	9647	33497	47575	2.5	18.33	Si
922	5X/2Y Ø8/10	2390	-26110	SLV 13	10817	47384	48467	2.15	19.83	1828	-23137	SLV 11	9629	47417	48252	2.45	25.94	Si
951	5X/2Y Ø8/10	2390	-25979	SLV 13	10801	47384	48449	2.15	19.83	1828	-23007	SLV 11	9611	47417	48234	2.45	25.94	Si
980	5X/2Y Ø8/10	2390	-25849	SLV 13	10785	47384	48430	2.15	19.83	1828	-22876	SLV 11	9593	47417	48215	2.45	25.94	Si
1000	4X/2Y Ø8/10	1862	-9240	SLV 13	7456	37907	38602	2.15	20.36	-2173	-12080	SLV 5	7223	37953	38979	2.4	17.47	Si
1029	4X/2Y Ø8/10	1862	-9133	SLV 13	7442	37907	38586	2.15	20.36	-2173	-11973	SLV 5	7209	37953	38963	2.4	17.47	Si
1058	4X/2Y Ø8/10	1862	-9024	SLV 13	7429	37907	38571	2.15	20.36	-2173	-11865	SLV 5	7194	37953	38948	2.4	17.47	Si
1087	4X/2Y Ø8/14.4	1862	-8915	SLV 13	7415	30516	34768	2.5	16.39	-2173	-11756	SLV 5	7180	27370	37814	2.5	12.6	Si
1116	4X/2Y Ø8/14.4	1862	-8807	SLV 13	7402	30516	34754	2.5	16.39	-2173	-11647	SLV 5	7165	27370	37799	2.5	12.6	Si
1145	4X/2Y Ø8/14.4	1862	-8698	SLV 13	7388	30516	34740	2.5	16.39	-2173	-11538	SLV 5	7151	27370	37783	2.5	12.6	Si
1174	4X/2Y Ø8/14.4	1862	-8589	SLV 13	7375	30516	34726	2.5	16.39	-2173	-11430	SLV 5	7136	27370	37768	2.5	12.6	Si
1203	4X/2Y Ø8/14.4	1862	-8480	SLV 13	7361	30516	34712	2.5	16.39	-2173	-11321	SLV 5	7122	27370	37753	2.5	12.6	Si
1232	4X/2Y Ø8/10	1862	-8372	SLV 13	7348	37907	38478	2.15	20.36	-2173	-11212	SLV 5	7107	37953	38855	2.4	17.47	Si
1261	4X/2Y Ø8/10	1862	-8263	SLV 13	7334	37907	38462	2.15	20.36	-2173	-11103	SLV 5	7092	37953	38839	2.4	17.47	Si
1290	4X/2Y Ø8/10	1862	-8154	SLV 13	7321	37907	38447	2.15	20.36	-2173	-10995	SLV 5	7078	37953	38824	2.4	17.47	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	5X/2Y Ø8/10	560	-57444	SLD 13	14718	55104	47742	2.5	85.21	-1261	-63669	SLD 5	15168	48390	53286	2.5	38.37	Si
-111	5X/2Y Ø8/10	560	-57314	SLD 13	14702	55104	47725	2.5	85.18	-1261	-63539	SLD 5	15150	48390	53268	2.5	38.37	Si
-81	5X/2Y Ø8/10	560	-57182	SLD 13	14686	55104	47708	2.5	85.15	-1261	-63406	SLD 5	15132	48390	53249	2.5	38.37	Si
-52	5X/2Y Ø8/10	560	-57050	SLD 13	14669	55104	47691	2.5	85.12	-1261	-63274	SLD 5	15114	48390	53231	2.5	38.37	Si
-22	5X/2Y Ø8/14.7	560	-56917	SLD 13	14653	37388	47674	2.5	66.73	-1261	-63142	SLD 5	15096	32833	53212	2.5	26.03	Si
7	5X/2Y Ø8/14.7	560	-56785	SLD 13	14636	37388	47657	2.5	66.73	-1261	-63009	SLD 5	15078	32833	53193	2.5	26.03	Si
36	5X/2Y Ø8/14.7	560	-56653	SLD 13	14620	37388	47640	2.5	66.73	-1261	-62877	SLD 5	15060	32833	53174	2.5	26.03	Si
66	5X/2Y Ø8/14.7	560	-56520	SLD 13	14603	37388	47623	2.5	66.73	-1261	-62745	SLD 5	15042	32833	53156	2.5	26.03	Si
95	5X/2Y Ø8/14.7	560	-56388	SLD 13	14587	37388	47606	2.5	66.73	-1261	-62612	SLD 5	15024	32833	53137	2.5	26.03	Si
125	5X/2Y Ø8/14.7	560	-56255	SLD 13	14570	37388	47589	2.5	66.73	-1261	-62480	SLD 5	15006	32833	53118	2.5	26.03	Si
154	5X/2Y Ø8/14.7	560	-56123	SLD 13	14554	37388	47572	2.5	66.73	-1261	-62347	SLD 5	14988	32833	53100	2.5	26.03	Si
184	5X/2Y Ø8/14.7	560	-55991	SLD 13	14537	37388	47555	2.5	66.73	-1261	-62215	SLD 5	14970	32833	53081	2.5	26.03	Si
213	5X/2Y Ø8/14.7	560	-55857	SLD 13	14521	37388	47537	2.5	66.73	-1261	-62081	SLD 5	14951	32833	53062	2.5	26.03	Si
242	5X/2Y Ø8/10	560	-55726	SLD 13	14504	55098	47521	2.5	84.82	-1261	-61950	SLD 5	14933	48385	53043	2.5	38.36	Si
272	5X/2Y Ø8/10	560	-55594	SLD 13	14488	55098	47503	2.5	84.79	-1261	-61818	SLD 5	14915	48385	53025	2.5	38.36	Si
301	5X/2Y Ø8/10	560	-55461	SLD 13	14471	55098	47486	2.5	84.76	-1261	-61686	SLD 5	14897	48385	53006	2.5	38.36	Si
331	5X/2Y Ø8/10	560	-55329	SLD 13	14455	55098	47469	2.5	84.73	-1261	-61553	SLD 5	14879	48385	52987	2.5	38.36	Si
360	5X/2Y Ø8/10	560	-55199	SLD 13	14439	55098	47453	2.5	84.7	-1261	-61423	SLD 5	14861	48385	52969	2.5	38.36	Si
380	5X/2Y Ø8/10	1244	-46136	SLD 13	13310	55098	46285	2.5	37.21	-1238	-50552	SLD 5	13376	48385	51432	2.5	39.08	Si
409	5X/2Y Ø8/10	1244	-46005	SLD 13	13294	55098	46269	2.5	37.19	-1238	-50422	SLD 5	13358	48385	51414	2.5	39.08	Si
438	5X/2Y Ø8/10	1244	-45875	SLD 13	13278	55098	46252	2.5	37.18	-1238	-50291	SLD 5	13340	48385	51395	2.5	39.08	Si
467	5X/2Y Ø8/14.4	1244	-45744	SLD 13	13262	38145	46235	2.5	30.66	-1238	-50161	SLD 5	13322	33497	51377	2.5	27.05	Si
496	5X/2Y Ø8/14.4	1244	-45614	SLD 13	13245	38145	46218	2.5	30.66	-1238	-50030	SLD 5	13304	33497	51358	2.5	27.05	Si
525	5X/2Y Ø8/14.4	1244	-45483	SLD 13	13229	38145	46201	2.5	30.66	-1238	-49900	SLD 5	13286	33497	51340	2.5	27.05	Si
554	5X/2Y Ø8/14.4	1244	-45353	SLD 13	13213	38145	46185	2.5	30.66	-1238	-49769	SLD 5	13269	33497	51321	2.5	27.05	Si
583	5X/2Y Ø8/14.4	1244	-45222	SLD 13	13197	38145	46168	2.5	30.66	-1238	-49639	SLD 5	13251	33497	51303	2.5	27.05	Si
612	5X/2Y Ø8/10	1244	-45092	SLD 13	13180	55098	46151	2.5	37.1	-1238	-49508	SLD 5	13233	48385	51284	2.5	39.08	Si
641	5X/2Y Ø8/10	1244	-44961	SLD 13	13164	55098	46134	2.5	37.08	-1238	-49378	SLD 5	13215	48385	51266	2.5	39.08	Si
670	5X/2Y Ø8/10	1244	-44833	SLD 13	13148	55098	46118	2.5	37.07	-1238	-49249	SLD 5	13198	48385	51248	2.5	39.08	Si
690	5X/2Y Ø8/10	1577	-28274	SLD 13	11087	55098	43985	2.5	27.89	912	-27116	SLD 11	10173	48385	48119	2.5	52.75	Si
719	5X/2Y Ø8/10	1577	-28144	SLD 13	11070	55098	43968	2.5	27.88	912	-26985	SLD 11	10155	48385	48100	2.5	52.73	Si
748	5X/2Y Ø8/10	1577	-28013	SLD 13	11054	55098	43951	2.5	27.87	912	-26855	SLD 11	10137	48385	48082	2.5	52.71	Si
777	5X/2Y Ø8/14.4	1577	-27883	SLD 13	11038	38145	43934	2.5	24.19	912	-26724	SLD 11	10119	33497	48063	2.5	36.72	Si
806	5X/2Y Ø8/14.4	1577	-27752	SLD 13	11022	38145	43918	2.5	24.19	912	-26594	SLD 11	10101	33497	48045	2.5	36.72	Si
835	5X/2Y Ø8/14.4	1577	-27622	SLD 13	11005	38145	43901	2.5	24.19	912	-26463	SLD 11	10084	33497	48026	2.5	36.72	Si
864	5X/2Y Ø8/14.4	1577	-27491	SLD 13	10989	38145	43884	2.5	24.19	912	-26333	SLD 11	10066	33497	48008	2.5	36.72	Si
893	5X/2Y Ø8/14.4	1577	-27361	SLD 13	10973	38145	43867	2.5	24.19	912	-26202	SLD 11	10048	33497	47990	2.5	36.72	Si
922	5X/2Y Ø8/10	1577	-27230	SLD 13	10957	55098	43850	2.5	27.8	912	-26072	SLD 11	10030	48385	47971	2.5	52.58	Si
951	5X/2Y Ø8/10	1577	-27100	SLD 13	10940	55098	43834	2.5	27.79	912	-25941	SLD 11	10012	48385	47953	2.5	52.56	Si
980	5X/2Y Ø8/10	1577	-26969	SLD 13	10924	55098	43817	2.5	27.78	912	-25811	SLD 11	9994	48385	47934	2.5	52.54	Si
1000	4X/2Y Ø8/10	1081	-9763	SLD 13	7521	44078	34877	2.5	32.25	-1419	-10882	SLD 5	7063	39534	37692	2.5	26.57	Si
1029	4X/2Y Ø8/10	1081	-9656	SLD 13	7508	44078	34863	2.5	32.24	-1419	-10775	SLD 5	7048	39534	37678	2.5	26.56	Si
1058	4X/2Y Ø8/10	1081	-9547	SLD 13	7494	44078	34849	2.5	32.23	-1419	-10666	SLD 5	7034	39534	37663	2.5	26.54	Si
1087	4X/2Y Ø8/14.4	1081	-9438	SLD 13	7480	30516	34835	2.5	28.22	-1419	-10557	SLD 5	7019	27370	37647	2.5	19.29	Si
1116	4X/2Y Ø8/14.4	1081	-9329	SLD 13	7467	30516	34821	2.5	28.22	-1419	-10449	SLD 5	7005	27370	37632	2.5	19.29	Si
1145	4X/2Y Ø8/14.4	1081	-9221	SLD 13	7453	30516	34807	2.5	28.22	-1419	-10340	SLD 5	6990	27370	37617	2.5	19.29	Si
1174	4X/2Y Ø8/14.4	1081	-9112	SLD 13	7440	30516	34793	2.5	28.22	-1419	-10231	SLD 5	6976	27370	37602	2.5	19.29	Si
1203	4X/2Y Ø8/14.4	1081	-9003	SLD 13	7426	30516	34779	2.5	28.22	-1419	-10122	SLD 5	6961	27370	37587	2.5	19.29	Si
1232	4X/2Y Ø8/10	1081	-8894	SLD 13	7413	44078	34765	2.5	32.15	-1419	-10014	SLD 5	6946	39534	37572	2.5	26.48	Si
1261	4X/2Y Ø8/10	1081	-8786	SLD 13	7399	44078	34751	2.5	32.14	-1419	-9905	SLD 5	6932	39534	37557	2.5	26.47	Si
1290	4X/2Y Ø8/10	1081	-8677	SLD 13	7386	44078	34737	2.5	32.12	-1419	-9796	SLD 5	6917	39534	37542	2.5	26.46	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	68251	-152478	-64461	SLE RA 7	-49.3	104725	-97899	-68496	SLE RA 13	-655.4	Si
-111	62349	-134481	-64331	SLE RA 7	-46.4	95310	-85700	-68366	SLE RA 13	-626.9	Si
-81	56344	-116174	-64198	SLE RA 7	-43.8	85731	-73290	-68233	SLE RA 13	-601.9	Si
-52	50340	-97866	-64066	SLE RA 7	-41.8	76153	-60880	-68101	SLE RA 13	-584.4	Si
-22	66575	-48471	-67969	SLE RA 13	-39.9	66575	-48471	-67969	SLE RA 13	-566.9	Si
7	56997	-36061	-67836	SLE RA 13	-38.3	56997	-36061	-67836	SLE RA 13	-549.4	Si
36	47419	-23651	-67704	SLE RA 13	-36.6	47419	-23651	-67704	SLE RA 13	-531.8	Si
66	47884	8654	-67566	SLE RA 12	-35.2	47884	8654	-67566	SLE RA 12	-517.9	Si
95	34785	12187	-67433	SLE RA 12	-34.8	34785	12187	-67433	SLE RA 12	-512.4	Si
125	21686	15719	-67301	SLE RA 12	-34.5	21686	15719	-67301	SLE RA 12	-506.9	Si
154	9106	25988	-67174	SLE RA 13	-34.8	9106	25988	-67174	SLE RA 13	-507.7	Si
184	-619	38366	-67038	SLE RA 11	-35.4	-473	38398	-67042	SLE RA 13	-513.4	Si
213	-10143	50927	-66908	SLE RA 13	-37	-10143	50927	-66908	SLE RA 13	-528.5	Si
242	-19629	63217	-66777	SLE RA 13	-38.5	-19629	63217	-66777	SLE RA 13	-544	Si
272	-29207	75627	-66645	SLE RA 13	-40	-29207	75627	-66645	SLE RA 13	-559.6	Si
301	-21713	121823	-62478	SLE RA 7	-41.9	-38785	88036	-66513	SLE RA 13	-575.2	Si
331	-27717	140131	-62345	SLE RA 7	-43.8	-48364	100446	-66380	SLE RA 13	-590.8	Si
360	-33619	158127	-62215	SLE RA 7	-45.7	-57779	112645	-66250	SLE RA 13	-606.2	Si
380	174780	-100138	-55445	SLE RA 12	-43.8	174780	-100138	-55445	SLE RA 12	-586.4	Si
409	152912	-76678	-55315	SLE RA 12	-40.6	152912	-76678	-55315	SLE RA 12	-551.9	Si
438	131029	-53236	-55183	SLE RA 10	-37.3	131045	-53218	-55184	SLE RA 12	-517.5	Si
467	109164	-29783	-55052	SLE RA 10	-34.1	109164	-29783	-55052	SLE RA 10	-483	Si
496	98864	17266	-55011	SLE RA 13	-32.4	98864	17266	-55011	SLE RA 13	-465.7	Si
525	75396	35832	-54880	SLE RA 13	-33	75396	35832	-54880	SLE RA 13	-467.4	Si
554	51928	54399	-54750	SLE RA 13	-33.5	51928	54399	-54750	SLE RA 13	-469.2	Si
583	28459	72965	-54619	SLE RA 13	-34	28459	72965	-54619	SLE RA 13	-471	Si
612	4991	91532	-54489	SLE RA 13	-34.5	4991	91532	-54489	SLE RA 13	-473.3	Si
641	-22029	111001	-54271	SLE RA 12	-37	-22029	111001	-54271	SLE RA 12	-498.4	Si
670	-43520	134057	-54142	SLE RA 12	-40.1	-43520	134057	-54142	SLE RA 12	-530.4	Si
690	-54061	-173263	-34227	SLE RA 10	-34.7	-54061	-173263	-34227	SLE RA 10	-429	Si
719	-41551	-136949	-34097	SLE RA 10	-30.7	-41551	-136949	-34097	SLE RA 10	-388.7	Si
748	-29040	-100635	-33966	SLE RA 10	-26.7	-29040	-100635	-33966	SLE RA 10	-348.4	Si
777	-16530	-64321	-33836	SLE RA 10	-22.8	-16530	-64321	-33836	SLE RA 10	-308	Si
806	-3561	-28668	-33757	SLE RA 11	-18.9	-3561	-28668	-33757	SLE RA 11	-268.4	Si
835	8614	8330	-33573	SLE RA 12	-17.1	8614	8330	-33573	SLE RA 12	-252	Si
864	21078	44664	-33442	SLE RA 12	-21	21078	44664	-33442	SLE RA 12	-290.5	Si
893	33542	80997	-33312	SLE RA 12	-24.8	33542	80997	-33312	SLE RA 12	-329	Si
922	46006	117331	-33181	SLE RA 12	-28.7	46006	117331	-33181	SLE RA 12	-367.4	Si
951	58470	153664	-33051	SLE RA 12	-32.5	58470	153664	-33051	SLE RA 12	-405.1	Si
980	70933	189998	-32920	SLE RA 12	-34.3	70933	189998	-32920	SLE RA 12	-423.4	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1000	97655	-115180	-12286	SLE RA 12	-25.6	97655	-115180	-12286	SLE RA 12	-297.7	Si
1029	63988	-96298	-12179	SLE RA 12	-21.7	63988	-96298	-12179	SLE RA 12	-255.8	Si
1058	29730	-77085	-12070	SLE RA 12	-17.5	29730	-77085	-12070	SLE RA 12	-210.4	Si
1087	-6328	-57327	-11987	SLE RA 11	-13.7	-6328	-57327	-11987	SLE RA 11	-169.7	Si
1116	-40387	-38646	-11878	SLE RA 11	-13.9	-40387	-38646	-11878	SLE RA 11	-176.3	Si
1145	-74405	-20028	-11765	SLE RA 13	-14.1	-74446	-19965	-11769	SLE RA 11	-182.9	Si
1174	-108516	-1360	-11656	SLE RA 13	-14.3	-108516	-1360	-11656	SLE RA 13	-189.6	Si
1203	-141497	19070	-11531	SLE RA 10	-18.4	-141497	19070	-11531	SLE RA 10	-234.1	Si
1232	-175703	38296	-11423	SLE RA 10	-22.8	-175703	38296	-11423	SLE RA 10	-281.4	Si
1261	-210073	57407	-11309	SLE RA 12	-35.3	-210073	57407	-11309	SLE RA 12	-401.1	Si
1290	-244331	76620	-11200	SLE RA 12	-40.2	-244331	76620	-11200	SLE RA 12	-447.5	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	107185	-15754	-59062	SLE QP 2	-35.6	Si
-111	97192	-12352	-58932	SLE QP 2	-34.2	Si
-81	87027	-8891	-58800	SLE QP 2	-32.9	Si
-52	76861	-5431	-58667	SLE QP 2	-32.1	Si
-22	66696	-1970	-58535	SLE QP 2	-31.2	Si
7	56530	1491	-58403	SLE QP 2	-30.6	Si
36	46365	4951	-58270	SLE QP 2	-30.4	Si
66	36200	8412	-58138	SLE QP 2	-30.1	Si
95	26034	11873	-58006	SLE QP 2	-29.9	Si
125	15869	15333	-57873	SLE QP 2	-29.7	Si
154	5703	18794	-57741	SLE QP 2	-29.5	Si
184	-4462	22255	-57609	SLE QP 2	-29.7	Si
213	-14726	25749	-57475	SLE QP 2	-30.4	Si
242	-24793	29176	-57344	SLE QP 2	-31.1	Si
272	-34959	32637	-57212	SLE QP 2	-31.9	Si
301	-45124	36097	-57079	SLE QP 2	-32.6	Si
331	-55290	39558	-56947	SLE QP 2	-33.3	Si
360	-65282	42960	-56817	SLE QP 2	-34.1	Si
380	152020	-92371	-47298	SLE QP 2	-38.2	Si
409	132904	-71433	-47167	SLE QP 2	-35.3	Si
438	113788	-50495	-47037	SLE QP 2	-32.4	Si
467	94672	-29558	-46906	SLE QP 2	-29.5	Si
496	75556	-8620	-46776	SLE QP 2	-26.6	Si
525	56440	12318	-46645	SLE QP 2	-26	Si
554	37324	33255	-46515	SLE QP 2	-26.9	Si
583	18208	54193	-46384	SLE QP 2	-27.9	Si
612	-908	75131	-46254	SLE QP 2	-28.9	Si
641	-20024	96068	-46123	SLE QP 2	-31.7	Si
670	-38810	116645	-45995	SLE QP 2	-34.4	Si
690	-42135	-145369	-29007	SLE QP 2	-29.1	Si
719	-32869	-114769	-28877	SLE QP 2	-25.8	Si
748	-23603	-84168	-28746	SLE QP 2	-22.5	Si
777	-14337	-53567	-28616	SLE QP 2	-19.2	Si
806	-5071	-22967	-28485	SLE QP 2	-15.9	Si
835	4195	7634	-28355	SLE QP 2	-14.4	Si
864	13461	38235	-28224	SLE QP 2	-17.6	Si
893	22728	68835	-28094	SLE QP 2	-20.7	Si
922	31994	99436	-27963	SLE QP 2	-23.9	Si
951	41260	130037	-27833	SLE QP 2	-27	Si
980	50526	160638	-27702	SLE QP 2	-28.6	Si
1000	78527	-98791	-10106	SLE QP 2	-21.4	Si
1029	52204	-82565	-10000	SLE QP 2	-18.2	Si
1058	25419	-66054	-9891	SLE QP 2	-14.7	Si
1087	-1366	-49543	-9782	SLE QP 2	-11.2	Si
1116	-28152	-33032	-9673	SLE QP 2	-11.1	Si
1145	-54937	-16522	-9565	SLE QP 2	-11.1	Si
1174	-81722	-11	-9456	SLE QP 2	-11	Si
1203	-108507	16500	-9347	SLE QP 2	-14.6	Si
1232	-135292	33011	-9238	SLE QP 2	-18.2	Si
1261	-162077	49522	-9130	SLE QP 2	-21.8	Si
1290	-188862	66033	-9021	SLE QP 2	-32.2	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

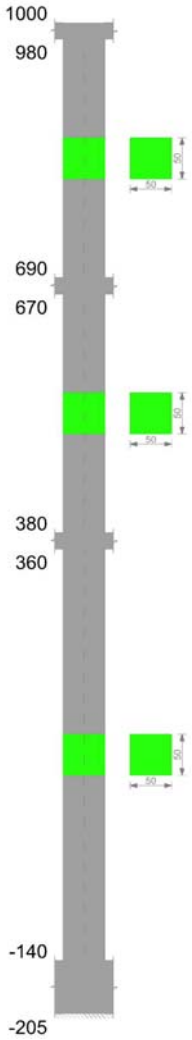
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 1300 in quanto nodo interno a piastra.
per il nodo Appoggio 990 in quanto nodo interno a piastra.

Pilastro 80

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-140	360	R 50x50	No	No	No	No		C30/37	B450C	
380	670	R 50x50	No	No	No	No		C30/37	B450C	
690	980	R 50x50	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-19.67	-19.67	1.6	2.011	-172.5	-140	R 50x50	B450C
p.1	19.67	-19.67	1.6	2.011	-172.5	-140	R 50x50	B450C
p.1	19.67	19.67	1.6	2.011	-172.5	-140	R 50x50	B450C
p.1	-19.67	19.67	1.6	2.011	-172.5	-140	R 50x50	B450C
p.1	-19.9	-12.42	1.6	2.011	-172.5	-140	R 50x50	B450C
p.1	-19.9	12.42	1.6	2.011	-172.5	-140	R 50x50	B450C
p.1	19.9	-12.42	1.6	2.011	-172.5	-140	R 50x50	B450C
p.1	19.9	12.42	1.6	2.011	-172.5	-140	R 50x50	B450C
p.2	-19.67	-19.67	1.6	2.011	-140	380	R 50x50	B450C
p.2	19.67	-19.67	1.6	2.011	-140	380	R 50x50	B450C
p.2	19.67	19.67	1.6	2.011	-140	380	R 50x50	B450C
p.2	-19.67	19.67	1.6	2.011	-140	380	R 50x50	B450C
p.2	-19.9	-12.42	1.6	2.011	-140	380	R 50x50	B450C
p.2	-19.9	12.42	1.6	2.011	-140	380	R 50x50	B450C
p.2	19.9	-12.42	1.6	2.011	-140	380	R 50x50	B450C
p.2	19.9	12.42	1.6	2.011	-140	380	R 50x50	B450C
p.3	-19.67	-19.67	1.6	2.011	380	690	R 50x50	B450C
p.3	19.67	-19.67	1.6	2.011	380	690	R 50x50	B450C
p.3	19.67	19.67	1.6	2.011	380	690	R 50x50	B450C
p.3	-19.67	19.67	1.6	2.011	380	690	R 50x50	B450C
p.3	-19.9	-12.42	1.6	2.011	380	690	R 50x50	B450C
p.3	-19.9	12.42	1.6	2.011	380	690	R 50x50	B450C
p.3	19.9	-12.42	1.6	2.011	380	690	R 50x50	B450C
p.3	19.9	12.42	1.6	2.011	380	690	R 50x50	B450C
p.4	-19.67	-19.67	1.6	2.011	690	1000	R 50x50	B450C
p.4	19.67	-19.67	1.6	2.011	690	1000	R 50x50	B450C
p.4	19.67	19.67	1.6	2.011	690	1000	R 50x50	B450C
p.4	-19.67	19.67	1.6	2.011	690	1000	R 50x50	B450C
p.5	-19.9	-12.42	1.6	2.011	690	1000	R 50x50	B450C
p.5	-19.9	12.42	1.6	2.011	690	1000	R 50x50	B450C
p.5	19.9	-12.42	1.6	2.011	690	1000	R 50x50	B450C
p.5	19.9	12.42	1.6	2.011	690	1000	R 50x50	B450C
p.6	-6.9	-19.9	1.6	2.011	-205	-140	R 50x50	B450C
p.6	6.9	-19.9	1.6	2.011	-205	-140	R 50x50	B450C
p.6	-6.9	19.9	1.6	2.011	-205	-140	R 50x50	B450C
p.6	6.9	19.9	1.6	2.011	-205	-140	R 50x50	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.7	-6.9	-19.9	1.6	2.011	-139.9	380	R 50x50	B450C
p.7	6.9	-19.9	1.6	2.011	-139.9	380	R 50x50	B450C
p.7	-6.9	19.9	1.6	2.011	-139.9	380	R 50x50	B450C
p.7	6.9	19.9	1.6	2.011	-139.9	380	R 50x50	B450C
p.3	-6.9	-19.9	1.6	2.011	380.1	690	R 50x50	B450C
p.3	6.9	-19.9	1.6	2.011	380.1	690	R 50x50	B450C
p.3	-6.9	19.9	1.6	2.011	380.1	690	R 50x50	B450C
p.3	6.9	19.9	1.6	2.011	380.1	690	R 50x50	B450C
p.5	-6.9	-19.9	1.6	2.011	690.1	1000	R 50x50	B450C
p.5	6.9	-19.9	1.6	2.011	690.1	1000	R 50x50	B450C
p.5	-6.9	19.9	1.6	2.011	690.1	1000	R 50x50	B450C
p.5	6.9	19.9	1.6	2.011	690.1	1000	R 50x50	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	1.6	0	1,2,6	-414024	-900236	-22686	-1241273	-2698968	SLU 20	2.998	Si
-111	24.11	1.9	0	1,2,6,7	-368761	-813429	-22505	-1262493	-2784862	SLU 20	3.424	Si
-81	24.13	1	0	2,7	-322715	-725121	-22322	-1287914	-2893867	SLU 20	3.991	Si
-52	24.13	1	0	2,7	-276866	-636728	-22144	-1316033	-3026573	SLU 19	4.753	Si
-22	24.13	1	0	2,7	-241801	-560854	-25431	-1386339	-3215591	SLU 45	5.733	Si
7	24.13	1	0	2,7	-193887	-470765	-25192	-1365338	-3315098	SLU 45	7.042	Si
36	24.13	1	0	2,7	-145973	-380677	-24953	-1285361	-3352054	SLU 45	8.806	Si
66	24.13	1	0	2,7	-98058	-290589	-24714	-1089798	-3229543	SLU 45	11.114	Si
95	24.13	1	0	2,7	-66388	-200501	-24475	-918382	-2773644	SLU 45	13.834	Si
125	24.13	1	0	2,7	-70839	-95032	-26116	-1143505	-1534030	SLU 50	16.142	Si
154	24.13	1	0	2,7	70191	-70191	-25877	1187181	-1187181	SLU 50	16.914	Si
184	24.13	1	0	2,7	72595	69526	-25632	1233962	1181808	SLU 52	16.998	Si
213	24.13	1	0	2,7	142132	160781	-23510	1946167	2201520	SLU 46	13.693	Si
242	24.13	1	0	2,7	189578	250013	-23274	2025121	2670702	SLU 46	10.682	Si
272	24.13	1	0	2,7	237488	340117	-23035	1995859	2858361	SLU 46	8.404	Si
301	24.13	1	0	2,7	256833	411664	-15510	1704658	2732309	SLU 16	6.637	Si
331	24.13	1	0	2,7	299154	496425	-15326	1586352	2632439	SLU 16	5.303	Si
360	24.13	1	0	2,7	340756	579745	-15146	1494225	2542200	SLU 16	4.385	Si
380	24.13	1.9	0	2,3,7	294232	517373	-11027	1378490	2423911	SLU 16	4.685	Si
409	24.13	1.9	0	2,3,7	258976	467233	-10846	1387487	2503241	SLU 16	5.358	Si
438	24.13	1	0	3	223721	417094	-10665	1396765	2604064	SLU 16	6.243	Si
467	24.13	1	0	3	188465	366955	-10483	1395395	2716939	SLU 16	7.404	Si
496	24.13	1	0	3	153209	316816	-10302	1393346	2881258	SLU 16	9.094	Si
525	24.13	1	0	3	117953	266677	-10121	1360297	3075459	SLU 16	11.533	Si
554	24.13	1	0	3	91858	226088	-14722	1348888	3319968	SLU 46	14.684	Si
583	24.13	1	0	3	54866	173500	-14487	1033983	3269705	SLU 46	18.846	Si
612	24.13	1	0	3	28502	120913	-14251	677429	2873809	SLU 46	23.768	Si
641	24.13	1	0	3	-30657	51254	-15329	-871037	1456228	SLU 52	28.412	Si
670	24.13	1	0	3	-30369	30369	-15185	-884917	884917	SLU 49	29.139	Si
690	24.13	1.9	0	3,4,5	-113983	-44374	-8036	-3358028	-1307282	SLU 45	29.461	Si
719	24.13	1.9	0	3,4,5	-97903	-35951	-7804	-3286757	-1206932	SLU 45	33.572	Si
748	24.13	1	0	4,5	-81540	-27380	-7569	-3161512	-1061603	SLU 45	38.772	Si
777	24.13	1	0	4,5	-65178	-18810	-7333	-2941576	-848917	SLU 45	45.132	Si
806	24.13	1	0	4,5	-48815	-14195	-7098	-2539946	-738598	SLU 45	52.032	Si
835	24.13	1	0	4,5	-15116	15116	-7558	-884917	884917	SLU 49	58.54	Si
864	24.13	1	0	4,5	14645	14645	-7323	884917	884917	SLU 49	60.424	Si
893	24.13	1	0	4,5	21710	22072	-7087	1303179	1324898	SLU 49	60.027	Si
922	24.13	1	0	4,5	33956	30179	-6851	1855498	1649079	SLU 49	54.644	Si
951	24.13	1	0	4,5	46203	38286	-6616	2261067	1873630	SLU 49	48.938	Si
980	24.13	1	0	4,5	58450	46393	-6380	2535882	2012808	SLU 49	43.386	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
-140	24.13	1.6	0	1,2,6	-1003404	-1196420	-22149	-2.02	1.92	-1147301	-1367996	SLV 15	1.143				Si
-111	24.11	1.9	0	1,2,6,7	-932650	-1112103	-21969	-2.02	1.92	-1168473	-1393301	SLV 15	1.253				Si
-81	24.13	1	0	2,7	-860697	-1026348	-21785	-2.02	1.92	-1195269	-1425312	SLV 15	1.389				Si
-52	24.13	1	0	2,7	-788778	-940620	-21601	-2.02	1.92	-1227367	-1463640	SLV 15	1.556				Si
-22	24.13	1	0	2,7	-716900	-854927	-21417	-2.02	1.92	-1266620	-1510486	SLV 15	1.767				Si
7	24.13	1	0	2,7	-645075	-769276	-21233	-2.02	1.92	-1317656	-1571354	SLV 15	2.043				Si
36	24.13	1	0	2,7	-573323	-683686	-21050	-2.02	1.92	-1383798	-1650175	SLV 15	2.414				Si
66	24.13	1	0	2,7	-501675	-598182	-20866	-2.02	1.92	-1474187	-1757776	SLV 15	2.939				Si
95	24.13	1	0	2,7	404265	402346	-11422	-2.02	1.92	1427057	1420286	SLV 1	3.53				Si
125	24.13	1	0	2,7	357268	350634	-11238	-2.02	1.92	1510476	1482430	SLV 1	4.228				Si
154	24.13	1	0	2,7	310647	299248	-11054	-2.02	1.92	1626067	1566398	SLV 1	5.234				Si
184	24.13	1	0	2,7	264651	248417	-10870	-2.02	1.92	1793358	1683352	SLV 1	6.776				Si
213	24.13	1	0	2,7	280284	139648	-11506	-2.02	1.92	2460774	1226051	SLV 5	8.78				Si
242	24.13	1	0	2,7	178506	129088	-10503	-2.02	1.92	2194504	1586972	SLV 1	12.294				Si
272	24.13	1	0	2,7	167602	26069	-11140	-2.02	1.92	3089232	480495	SLV 5	18.432				Si
301	24.13	1	0	2,7	110344	41383	-19395	-2.02	1.92	1929550	723653	SLV 15	17.487				Si
331	24.13	1	0	2,7	180227	195589	-19211	-2.02	1.92	1820592	1975771	SLV 15	10.102				Si
360	24.13	1	0	2,7	238563	273409	-19031	-2.02	1.92	1770325	2028908	SLV 15	7.421				Si
380	24.13	1.9	0	2,3,7	170777	137393	-12768	-2.02	1.92	2120163	1705708	SLV 13	12.415				Si
409	24.13	1.9	0	2,3,7	154382	132369	-12587	-2.02	1.92	2061759	1767783	SLV 13	13.355				Si
438	24.13	1	0	3	139687	127520	-12406	-2.02	1.92	1998848	1824745	SLV 13	14.309				Si
467	24.13	1	0	3	123277	159046	-13276	-2.02	1.92	1660922	2142842	SLV 15	13.473				Si
496	24.13	1	0	3	117947	150642	-13095	-2.02	1.92	1668694	2131259	SLV 15	14.148				Si
525	24.13	1	0	3	112374	143205	-12914	-2.02	1.92	1666179	2123310	SLV 15	14.827				Si
554	24.13	1	0	3	110617	136890	-12732	-2.02	1.92	1692186	2094094	SLV 15	15.298				Si
583	24.13	1	0	3	111995	131792	-12551	-2.02	1.92	1741288	2049082	SLV 15	15.548				Si
612	24.13	1	0	3	115658	127890	-12370	-2.02	1.92	1803455	1994192	SLV 15	15.593				Si
641	24.13	1	0	3	120949	117538	-12189	-2.02	1.92	1927794	1873425	SLV 15	15.939				Si
670	24.13	1	0	3	-162202	46462	-6370	-2.02	1.92	-2851424	816780	SLV 5	17.579				Si
690	24.13	1.9	0	3,4,5	-141600	-131458	-6867	-2.02	1.92	-1905493	-1769002	SLV 15	13.457				Si
719	24.13	1.9	0	3,4,5	-115384	-110552	-6689	-2.02	1.92	-1908653	-1828709	SLV 15	16.542				Si
748	24.13	1	0	4,5	-71562	-90516	-6508	-2.02	1.92	-1680267	-2125298	SLV 15	23.48				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
777	24.13	1	0	4,5	-72347	-53124	-5810	-2.02	1.92	-2202303	-1617130	SLV 13	30.441				Si
806	24.13	1	0	4,5	-50018	38474	-4127	-2.02	1.92	-2159650	1661207	SLV 9	43.178				Si
835	24.13	1	0	4,5	-76376	21079	-3174	-2.02	1.92	-2880828	795073	SLV 5	37.719				Si
864	24.13	1	0	4,5	-90744	29797	-2993	-2.02	1.92	-2603019	854746	SLV 5	28.685				Si
893	24.13	1	0	4,5	-108672	39430	-2812	-2.02	1.92	-2207778	801065	SLV 5	20.316				Si
922	24.13	1	0	4,5	166622	28318	-5123	-2.02	1.92	2829629	480901	SLV 11	16.982				Si
951	24.13	1	0	4,5	201490	103485	-4942	-2.02	1.92	1926438	989419	SLV 11	9.561				Si
980	24.13	1	0	4,5	236925	121743	-4761	-2.02	1.92	1780153	914721	SLV 11	7.514				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-140	24.13	1.6	0	1,2,6	-459023	-584966	-19325	-1394237	-1776773	SLD 15	3.037	Si
-111	24.11	1.9	0	1,2,6,7	-424046	-541696	-19144	-1443988	-1844616	SLD 15	3.405	Si
-81	24.13	1	0	2,7	-388477	-497689	-18960	-1504156	-1927019	SLD 15	3.872	Si
-52	24.13	1	0	2,7	-352924	-453698	-18776	-1575176	-2024949	SLD 15	4.463	Si
-22	24.13	1	0	2,7	-317394	-409727	-18593	-1596673	-2061160	SLD 15	5.031	Si
7	24.13	1	0	2,7	-281891	-365781	-18409	-1609720	-2088770	SLD 15	5.71	Si
36	24.13	1	0	2,7	-246425	-321870	-18225	-1622566	-2119327	SLD 15	6.584	Si
66	24.13	1	0	2,7	-211014	-278010	-18041	-1632323	-2150582	SLD 15	7.736	Si
95	24.13	1	0	2,7	-175675	-234219	-17857	-1631036	-2174585	SLD 15	9.284	Si
125	24.13	1	0	2,7	-140447	-190535	-17673	-1598092	-2168031	SLD 15	11.379	Si
154	24.13	1	0	2,7	-105413	-147044	-17490	-1491065	-2079933	SLD 15	14.145	Si
184	24.13	1	0	2,7	117686	93905	-13695	2031781	1621216	SLD 1	17.264	Si
213	24.13	1	0	2,7	131361	61879	-13830	2397203	1129233	SLD 5	18.249	Si
242	24.13	1	0	2,7	99790	68569	-13327	2028795	1394047	SLD 1	20.331	Si
272	24.13	1	0	2,7	102996	37463	-13464	2287468	832017	SLD 5	22.209	Si
301	24.13	1	0	2,7	89320	51197	-16570	1779492	1019990	SLD 15	19.923	Si
331	24.13	1	0	2,7	125405	129735	-16387	1798215	1860298	SLD 15	14.339	Si
360	24.13	1	0	2,7	155029	169855	-16206	1815115	1988702	SLD 15	11.708	Si
380	24.13	1.9	0	2,3,7	105678	98121	-11514	1947247	1808001	SLD 13	18.426	Si
409	24.13	1.9	0	2,3,7	96050	92957	-11333	1888361	1827551	SLD 13	19.66	Si
438	24.13	1	0	3	87114	87860	-11152	1825445	1841093	SLD 13	20.955	Si
467	24.13	1	0	3	77282	98567	-11381	1600680	2041539	SLD 15	20.712	Si
496	24.13	1	0	3	72132	92324	-11200	1576134	2017329	SLD 15	21.851	Si
525	24.13	1	0	3	66475	86460	-11019	1535044	1996544	SLD 15	23.092	Si
554	24.13	1	0	3	62092	81014	-10837	1506763	1965919	SLD 15	24.267	Si
583	24.13	1	0	3	58808	76000	-10656	1491208	1927159	SLD 15	25.357	Si
612	24.13	1	0	3	56384	71407	-10475	1487141	1883394	SLD 15	26.375	Si
641	24.13	1	0	3	54610	63782	-10294	1517580	1772450	SLD 15	27.789	Si
670	24.13	1	0	3	53329	46456	-10112	1632853	1422401	SLD 15	30.618	Si
690	24.13	1.9	0	3,4,5	-85077	-71572	-5928	-2070733	-1742045	SLD 15	24.34	Si
719	24.13	1.9	0	3,4,5	-70156	-59935	-5750	-2065101	-1764230	SLD 15	29.436	Si
748	24.13	1	0	4,5	-46327	-48527	-5568	-1821263	-1907746	SLD 15	39.313	Si
777	24.13	1	0	4,5	-43248	-28454	-5185	-2130993	-1402029	SLD 13	49.274	Si
806	24.13	1	0	4,5	-27427	17912	-4416	-1885094	1231163	SLD 9	68.732	Si
835	24.13	1	0	4,5	22794	21136	-5025	1481176	1373480	SLD 15	64.982	Si
864	24.13	1	0	4,5	33930	25287	-4843	1936645	1443322	SLD 15	57.078	Si
893	24.13	1	0	4,5	47277	31159	-4662	2239479	1475972	SLD 15	47.369	Si
922	24.13	1	0	4,5	61912	43025	-4481	2253822	1566266	SLD 15	36.404	Si
951	24.13	1	0	4,5	94594	55737	-4183	2330639	1373272	SLD 11	24.638	Si
980	24.13	1	0	4,5	112895	65903	-4002	2207176	1288452	SLD 11	19.551	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/4Y Ø8/10	3002	-22686	SLU 20	12431	68362	70733	2.15	22.77	1629	-26382	SLU 45	12929	69952	70245	2.2	42.94	Si
-111	4X/4Y Ø8/10	3002	-22505	SLU 20	12407	68362	70705	2.15	22.77	1629	-26148	SLU 45	12897	69952	70209	2.2	42.94	Si
-81	4X/4Y Ø8/10	3002	-22322	SLU 20	12382	68362	70676	2.15	22.77	1629	-25909	SLU 45	12865	69952	70173	2.2	42.94	Si
-52	4X/4Y Ø8/10	3002	-22138	SLU 20	12357	68362	70648	2.15	22.77	1629	-25670	SLU 45	12833	69952	70136	2.2	42.94	Si
-22	4X/4Y Ø8/14.7	3064	-25425	SLU 46	12800	53935	64166	2.5	17.61	1629	-25431	SLU 45	12801	53935	64167	2.5	33.11	Si
7	4X/4Y Ø8/14.7	3064	-25186	SLU 46	12768	53935	64133	2.5	17.61	1629	-25192	SLU 45	12769	53935	64133	2.5	33.11	Si
36	4X/4Y Ø8/14.7	3064	-24947	SLU 46	12736	53935	64099	2.5	17.61	1629	-24953	SLU 45	12736	53935	64100	2.5	33.11	Si
66	4X/4Y Ø8/14.7	3064	-24708	SLU 46	12703	53935	64066	2.5	17.61	1629	-24714	SLU 45	12704	53935	64067	2.5	33.11	Si
95	4X/4Y Ø8/14.7	3064	-24469	SLU 46	12671	53935	64033	2.5	17.61	1629	-24475	SLU 45	12672	53935	64034	2.5	33.11	Si
125	4X/4Y Ø8/14.7	3064	-24230	SLU 46	12639	53935	63999	2.5	17.61	1629	-24236	SLU 45	12640	53935	64000	2.5	33.11	Si
154	4X/4Y Ø8/14.7	3064	-23991	SLU 46	12607	53935	63966	2.5	17.61	1629	-23997	SLU 45	12608	53935	63967	2.5	33.11	Si
184	4X/4Y Ø8/14.7	3064	-23752	SLU 46	12575	53935	63933	2.5	17.61	1629	-23758	SLU 45	12576	53935	63934	2.5	33.11	Si
213	4X/4Y Ø8/14.7	3064	-23510	SLU 46	12542	53935	63899	2.5	17.61	1629	-23517	SLU 45	12543	53935	63900	2.5	33.11	Si
242	4X/4Y Ø8/10	3064	-23274	SLU 46	12510	68355	70824	2.15	22.31	1629	-23280	SLU 45	12511	68355	70825	2.15	41.96	Si
272	4X/4Y Ø8/10	3064	-23035	SLU 46	12478	68355	70787	2.15	22.31	1629	-23041	SLU 45	12479	68355	70788	2.15	41.96	Si
301	4X/4Y Ø8/10	3064	-22796	SLU 46	12446	68355	70750	2.15	22.31	1629	-22802	SLU 45	12447	68355	70751	2.15	41.96	Si
331	4X/4Y Ø8/10	3064	-22557	SLU 46	12414	68355	70713	2.15	22.31	1629	-22563	SLU 45	12415	68355	70714	2.15	41.96	Si
360	4X/4Y Ø8/10	3064	-22322	SLU 46	12382	68355	70677	2.15	22.31	1629	-22328	SLU 45	12383	68355	70677	2.15	41.96	Si
380	4X/4Y Ø8/10	-1814	-16140	SLU 45	11549	68355	69721	2.15	37.69	-1276	-16136	SLU 46	11549	68355	69721	2.15	53.59	Si
409	4X/4Y Ø8/10	-1814	-15905	SLU 45	11518	68355	69685	2.15	37.69	-1276	-15900	SLU 46	11517	68355	69684	2.15	53.59	Si
438	4X/4Y Ø8/10	-1814	-15669	SLU 45	11486	68355	69649	2.15	37.69	-1276	-15665	SLU 46	11485	68355	69648	2.15	53.59	Si
467	4X/4Y Ø8/14.4	-1814	-15434	SLU 45	11454	55027	62774	2.5	30.34	-1276	-15429	SLU 46	11454	55027	62773	2.5	43.14	Si
496	4X/4Y Ø8/14.4	-1814	-15198	SLU 45	11423	55027	62741	2.5	30.34	-1276	-15194	SLU 46	11422	55027	62740	2.5	43.14	Si
525	4X/4Y Ø8/14.4	-1814	-14962	SLU 45	11391	55027	62708	2.5	30.34	-1276	-14958	SLU 46	11390	55027	62707	2.5	43.14	Si
554	4X/4Y Ø8/14.4	-1814	-14727	SLU 45	11359	55027	62675	2.5	30.34	-1276	-14722	SLU 46	11358	55027	62675	2.5	43.14	Si
583	4X/4Y Ø8/14.4	-1814	-14491	SLU 45	11327	55027	62642	2.5	30.34	-1276	-14487	SLU 46	11327	55027	62642	2.5	43.14	Si
612	4X/4Y Ø8/10	-1814	-14255	SLU 45	11296	68355	69430	2.15	37.69	-1276	-14251	SLU 46	11295	68355	69429	2.15	53.59	Si
641	4X/4Y Ø8/10	-1814	-14020	SLU 45	11264	68355	69394	2.15	37.69	-1276	-14015	SLU 46	11263	68355	69393	2.15	53.59	Si
670	4X/4Y Ø8/10	-1814	-13784	SLU 45	11232	68355	69357	2.15	37.69	-1276	-13780	SLU 46	11231	68355	69357	2.15	53.59	Si
690	4X/4Y Ø8/10	296	-8036	SLU 45	10458	68355	68469	2.15	231.29	564	-8036	SLU 45	10458	68355	68469	2.15	121.15	Si
719	4X/4Y Ø8/10	296	-7804	SLU 45	10427	68355	68433	2.15	231.29	564	-7804	SLU 45	10427	68355	68433	2.15	121.15	Si
748	4X/4Y Ø8/10	296	-7569	SLU 45	10395	68355	68397	2.15	231.29	564	-7569	SLU 45	10395	68355	68397	2.15	121.15	Si
777	4X/4Y Ø8/14.4	296	-7333	SLU 45	10363	55027	61645	2.5	186.19	564	-7333	SLU 45	10363	55027	61645	2.5	97.53	Si
806	4X/4Y Ø8/14.4	296	-7098	SLU 45	10331	55027	61612	2.5	186.19	564	-7098	SLU 45	10331	55027	61612	2.5	97.53	Si
835	4X/4Y Ø8/14.4	296	-6862	SLU 45	10300	55027	61579	2.5	186.19	564	-6862	SLU 45	10300	55027	61579	2.5	97.53	Si
864	4X/4Y Ø8/14.4	296	-6626	SLU 45	10268	55027	61546	2.5	186.19	564	-6626	SLU 45	10268	55027	61546	2.5	97.53	Si
893	4X/4Y Ø8/14.4	296	-6391	SLU 45	10236	55027	61514	2.5	186.19	564	-6391	SLU 45	10236	55027	61514	2.5	97.53	Si
922	4X/4Y Ø8/10	296	-6155	SLU 45	10204	66766	69209	2.1	225.91	564	-6155	SLU 45	10204	66766	69209	2.1	118.33	Si
951	4X/4Y Ø8/10	296	-5919	SLU 45	10173	66766	69172	2.1	225.91	564	-5919	SLU 45	10173	66766	69172	2.1	118.33	Si
980	4X/4Y Ø8/10	296	-5684	SLU 45	10141	66766	69135	2.1	225.91	564	-5684	SLU 45	10141	66766	69135	2.1	118.33	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/4Y Ø8/10	2921	-22149	SLV 15	12359	68362	70650	2.15	23.4	2747	-21328	SLV 11	12248	68362	70523	2.15	24.89	Si
-111	4X/4Y Ø8/10	2921	-21969	SLV 15	12335	68362	70622	2.15	23.4	2747	-21148	SLV 11	12224	68362	70495	2.15	24.89	Si
-81	4X/4Y Ø8/10	2921	-21785	SLV 15	12310	68362	70594	2.15	23.4	2747	-20964	SLV 11	12199	68362	70467	2.15	24.89	Si
-52	4X/4Y Ø8/10	2921	-21601	SLV 15	12285	68362	70565	2.15	23.4	2747	-20780	SLV 11	12174	68362	70438	2.15	24.89	Si
-22	4X/4Y Ø8/14.7	2921	-21417	SLV 15	12260	53935	63608	2.5	18.47	2747	-20596	SLV 11	12150	53935	63493	2.5	19.63	Si
7	4X/4Y Ø8/14.7	2921	-21233	SLV 15	12235	53935	63582	2.5	18.47	2747	-20412	SLV 11	12125	53935	63467	2.5	19.63	Si
36	4X/4Y Ø8/14.7	2921	-21050	SLV 15	12211	53935	63556	2.5	18.47	2747	-20229	SLV 11	12100	53935	63442	2.5	19.63	Si
66	4X/4Y Ø8/14.7	2921	-20866	SLV 15	12186	53935	63531	2.5	18.47	2747	-20045	SLV 11	12075	53935	63416	2.5	19.63	Si
95	4X/4Y Ø8/14.7	2921	-20682	SLV 15	12161	53935	63505	2.5	18.47	2747	-19861	SLV 11	12051	53935	63391	2.5	19.63	Si
125	4X/4Y Ø8/14.7	2921	-20498	SLV 15	12136	53935	63479	2.5	18.47	2747	-19677	SLV 11	12026	53935	63365	2.5	19.63	Si
154	4X/4Y Ø8/14.7	2921	-20314	SLV 15	12112	53935	63454	2.5	18.47	2747	-19493	SLV 11	12001	53935	63339	2.5	19.63	Si
184	4X/4Y Ø8/14.7	2921	-20131	SLV 15	12087	53935	63428	2.5	18.47	2747	-19309	SLV 11	11976	53935	63314	2.5	19.63	Si
213	4X/4Y Ø8/14.7	2921	-19945	SLV 15	12062	53935	63402	2.5	18.47	2747	-19124	SLV 11	11951	53935	63288	2.5	19.63	Si
242	4X/4Y Ø8/10	2921	-19763	SLV 15	12037	68355	70281	2.15	23.4	2747	-18942	SLV 11	11927	68355	70154	2.15	24.88	Si
272	4X/4Y Ø8/10	2921	-19579	SLV 15	12013	68355	70253	2.15	23.4	2747	-18758	SLV 11	11902	68355	70126	2.15	24.88	Si
301	4X/4Y Ø8/10	2921	-19395	SLV 15	11988	68355	70224	2.15	23.4	2747	-18574	SLV 11	11877	68355	70097	2.15	24.88	Si
331	4X/4Y Ø8/10	2921	-19211	SLV 15	11963	68355	70196	2.15	23.4	2747	-18390	SLV 11	11853	68355	70069	2.15	24.88	Si
360	4X/4Y Ø8/10	2921	-19031	SLV 15	11939	68355	70168	2.15	23.4	2747	-18210	SLV 11	11828	68355	70041	2.15	24.88	Si
380	4X/4Y Ø8/10	-636	-13239	SLV 11	11159	68355	69273	2.15	107.55	-1075	-9733	SLV 9	10686	68355	68731	2.15	63.61	Si
409	4X/4Y Ø8/10	-636	-13058	SLV 11	11134	68355	69245	2.15	107.55	-1075	-9551	SLV 9	10662	68355	68703	2.15	63.61	Si
438	4X/4Y Ø8/10	-636	-12876	SLV 11	11110	68355	69217	2.15	107.55	-1075	-9370	SLV 9	10638	68355	68675	2.15	63.61	Si
467	4X/4Y Ø8/14.4	-636	-12695	SLV 11	11085	55027	62392	2.5	86.58	-1075	-9189	SLV 9	10613	55027	61904	2.5	51.21	Si
496	4X/4Y Ø8/14.4	-636	-12514	SLV 11	11061	55027	62367	2.5	86.58	-1075	-9008	SLV 9	10589	55027	61878	2.5	51.21	Si
525	4X/4Y Ø8/14.4	-636	-12333	SLV 11	11037	55027	62342	2.5	86.58	-1075	-8826	SLV 9	10564	55027	61853	2.5	51.21	Si
554	4X/4Y Ø8/14.4	-636	-12151	SLV 11	11012	55027	62316	2.5	86.58	-1075	-8645	SLV 9	10540	55027	61828	2.5	51.21	Si
583	4X/4Y Ø8/14.4	-636	-11970	SLV 11	10988	55027	62291	2.5	86.58	-1075	-8464	SLV 9	10515	55027	61803	2.5	51.21	Si
612	4X/4Y Ø8/10	-636	-11789	SLV 11	10963	68355	69049	2.15	107.55	-1075	-8283	SLV 9	10491	68355	68507	2.15	63.61	Si
641	4X/4Y Ø8/10	-636	-11608	SLV 11	10939	68355	69021	2.15	107.55	-1075	-8101	SLV 9	10467	68355	68479	2.15	63.61	Si
670	4X/4Y Ø8/10	-636	-11426	SLV 11	10914	68355	68993	2.15	107.55	-1075	-7920	SLV 9	10442	68355	68451	2.15	63.61	Si
690	4X/4Y Ø8/10	829	-6867	SLV 15	10300	66766	69320	2.1	80.58	1270	-6570	SLV 11	10260	66766	69274	2.1	52.55	Si
719	4X/4Y Ø8/10	829	-6689	SLV 15	10276	66766	69292	2.1	80.58	1270	-6392	SLV 11	10236	66766	69246	2.1	52.55	Si
748	4X/4Y Ø8/10	829	-6508	SLV 15	10252	66766	69264	2.1	80.58	1270	-6211	SLV 11	10212	66766	69217	2.1	52.55	Si
777	4X/4Y Ø8/14.4	829	-6327	SLV 15	10228	55027	61505	2.5	66.41	1270	-6030	SLV 11	10188	55027	61463	2.5	43.31	Si
806	4X/4Y Ø8/14.4	829	-6146	SLV 15	10203	55027	61479	2.5	66.41	1270	-5848	SLV 11	10163	55027	61438	2.5	43.31	Si
835	4X/4Y Ø8/14.4	829	-5964	SLV 15	10179	55027	61454	2.5	66.41	1270	-5667	SLV 11	10139	55027	61413	2.5	43.31	Si
864	4X/4Y Ø8/14.4	829	-5783	SLV 15	10154	55027	61429	2.5	66.41	1270	-5486	SLV 11	10114	55027	61388	2.5	43.31	Si
893	4X/4Y Ø8/14.4	829	-5602	SLV 15	10130	55027	61404	2.5	66.41	1270	-5305	SLV 11	10090	55027	61362	2.5	43.31	Si
922	4X/4Y Ø8/10	829	-5421	SLV 15	10105	66766	69093	2.1	80.58	1270	-5123	SLV 11	10065	66766	69047	2.1	52.55	Si
951	4X/4Y Ø8/10	829	-5239	SLV 15	10081	66766	69065	2.1	80.58	1270	-4942	SLV 11	10041	66766	69018	2.1	52.55	Si
980	4X/4Y Ø8/10	829	-5058	SLV 15	10057	66766	69036	2.1	80.58	1270	-4761	SLV 11	10017	66766	68990	2.1	52.55	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
-140	4X/4Y Ø8/10	1499	-19325	SLD 15	11978	79491	63316	2.5	42.23	1328	-19004	SLD 11	11935	79491	63271	2.5	47.65	Si
-111	4X/4Y Ø8/10	1499	-19144	SLD 15	11954	79491	63291	2.5	42.22	1328	-18824	SLD 11	11911	79491	63246	2.5	47.63	Si
-81	4X/4Y Ø8/10	1499	-18960	SLD 15	11929	79491	63265	2.5	42.2	1328	-18640	SLD 11	11886	79491	63221	2.5	47.61	Si
-52	4X/4Y Ø8/10	1499	-18776	SLD 15	11905	79491	63240	2.5	42.18	1328	-18456	SLD 11	11861	79491	63195	2.5	47.59	Si
-22	4X/4Y Ø8/14.7	1499	-18593	SLD 15	11880	53935	63214	2.5	35.98	1328	-18272	SLD 11	11837	53935	63169	2.5	40.62	Si
7	4X/4Y Ø8/14.7	1499	-18409	SLD 15	11855	53935	63188	2.5	35.98	1328	-18088	SLD 11	11812	53935	63144	2.5	40.62	Si
36	4X/4Y Ø8/14.7	1499	-18225	SLD 15	11830	53935	63163	2.5	35.98	1328	-17905	SLD 11	11787	53935	63118	2.5	40.62	Si
66	4X/4Y Ø8/14.7	1499	-18041	SLD 15	11805	53935	63137	2.5	35.98	1328	-17721	SLD 11	11762	53935	63092	2.5	40.62	Si
95	4X/4Y Ø8/14.7	1499	-17857	SLD 15	11781	53935	63111	2.5	35.98	1328	-17537	SLD 11	11738	53935	63067	2.5	40.62	Si
125	4X/4Y Ø8/14.7	1499	-17673	SLD 15	11756	53935	63086	2.5	35.98	1328	-17353	SLD 11	11713	53935	63041	2.5	40.62	Si
154	4X/4Y Ø8/14.7	1499	-17490	SLD 15	11731	53935	63060	2.5	35.98	1328	-17169	SLD 11	11688	53935	63016	2.5	40.62	Si
184	4X/4Y Ø8/14.7	1499	-17306	SLD 15	11706	53935	63035	2.5	35.98	1328	-16986	SLD 11	11663	53935	62990	2.5	40.62	Si
213	4X/4Y Ø8/14.7	1499	-17120	SLD 15	11681	53935	63009	2.5	35.98	1328	-16800	SLD 11	11638	53935	62964	2.5	40.62	Si
242	4X/4Y Ø8/10	1499	-16938	SLD 15	11657	79483	62983	2.5	42.01	1328	-16618	SLD 11	11614	79483	62939	2.5	47.4	Si
272	4X/4Y Ø8/10	1499	-16754	SLD 15	11632	79483	62958	2.5	41.99	1328	-16434	SLD 11	11589	79483	62913	2.5	47.38	Si
301	4X/4Y Ø8/10	1499	-16570	SLD 15	11607	79483	62932	2.5	41.98	1328	-16250	SLD 11	11564	79483	62888	2.5	47.36	Si
331	4X/4Y Ø8/10	1499	-16387	SLD 15	11583	79483	62907	2.5	41.96	1328	-16066	SLD 11	11539	79483	62862	2.5	47.34	Si
360	4X/4Y Ø8/10	1499	-16206	SLD 15	11558	79483	62881	2.5	41.94	1328	-15886	SLD 11	11515	79483	62837	2.5	47.32	Si
380	4X/4Y Ø8/10	-364	-11698	SLD 11	10951	79483	62253	2.5	171.25	-543	-10329	SLD 9	10767	79483	62062	2.5	114.24	Si
409	4X/4Y Ø8/10	-364	-11517	SLD 11	10927	79483	62228	2.5	171.19	-543	-10148	SLD 9	10742	79483	62037	2.5	114.19	Si
438	4X/4Y Ø8/10	-364	-11335	SLD 11	10902	79483	62203	2.5	171.12	-543	-9966	SLD 9	10718	79483	62012	2.5	114.15	Si
467	4X/4Y Ø8/14.4	-364	-11154	SLD 11	10878	55027	62177	2.5	151.38	-543	-9785	SLD 9	10693	55027	61987	2.5	101.29	Si
496	4X/4Y Ø8/14.4	-364	-10973	SLD 11	10853	55027	62152	2.5	151.38	-543	-9604	SLD 9	10669	55027	61961	2.5	101.29	Si
525	4X/4Y Ø8/14.4	-364	-10792	SLD 11	10829	55027	62127	2.5	151.38	-543	-9423	SLD 9	10645	55027	61936	2.5	101.29	Si
554	4X/4Y Ø8/14.4	-364	-10610	SLD 11	10805	55027	62102	2.5	151.38	-543	-9241	SLD 9	10620	55027	61911	2.5	101.29	Si
583	4X/4Y Ø8/14.4	-364	-10429	SLD 11	10780	55027	62076	2.5	151.38	-543	-9060	SLD 9	10596	55027	61886	2.5	101.29	Si
612	4X/4Y Ø8/10	-364	-10248	SLD 11	10756	79483	62051	2.5	170.7	-543	-8879	SLD 9	10571	79483	61860	2.5	113.87	Si
641	4X/4Y Ø8/10	-364	-10067	SLD 11	10731	79483	62026	2.5	170.63	-543	-8698	SLD 9	10547	79483	61835	2.5	113.82	Si
670	4X/4Y Ø8/10	-364	-9885	SLD 11	10707	79483	62001	2.5	170.56	-543	-8516	SLD 9	10523	79483	61810	2.5	113.77	Si
690	4X/4Y Ø8/10	447	-5928	SLD 15	10174	79483	61449	2.5	137.62	659	-5812	SLD 11	10158	79483	61433	2.5	93.15	Si
719	4X/4Y Ø8/10	447	-5750	SLD 15	10150	79483	61424	2.5	137.57	659	-5633	SLD 11	10134	79483	61408	2.5	93.11	Si
748	4X/4Y Ø8/10	447	-5568	SLD 15	10125	79483	61399	2.5	137.51	659	-5452	SLD 11	10110	79483	61383	2.5	93.08	Si
777	4X/4Y Ø8/14.4	447	-5387	SLD 15	10101	55027	61374	2.5	123.24	659	-5271	SLD 11	10085	55027	61358	2.5	83.44	Si
806	4X/4Y Ø8/14.4	447	-5206	SLD 15	10077	55027	61349	2.5	123.24	659	-5090	SLD 11	10061	55027	61332	2.5	83.44	Si
835	4X/4Y Ø8/14.4	447	-5025	SLD 15	10052	55027	61323	2.5	123.24	659	-4908	SLD 11	10037	55027	61307	2.5	83.44	Si
864	4X/4Y Ø8/14.4	447	-4843	SLD 15	10028	55027	61298	2.5	123.24	659	-4727	SLD 11	10012	55027	61282	2.5	83.44	Si
893	4X/4Y Ø8/14.4	447	-4662	SLD 15	10003	55027	61273	2.5	123.24	659	-4546	SLD 11	9988	55027	61257	2.5	83.44	Si
922	4X/4Y Ø8/10	447	-4481	SLD 15	9979	79483	61248	2.5	137.17	659	-4365	SLD 11	9963	79483	61231	2.5	92.85	Si
951	4X/4Y Ø8/10	447	-4300	SLD 15	9955	79483	61222	2.5	137.11	659	-4183	SLD 11	9939	79483	61206	2.5	92.81	Si
980	4X/4Y Ø8/10	447	-4118	SLD 15	9930	79483	61197	2.5	137.06	659	-4002	SLD 11	9914	79483	61181	2.5	92.77	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-140	-296611	-621815	-19228	SLE RA 6	-66.4	-271965	-593953	-16277	SLE RA 3	1111.1	Si
-111	-264397	-561993	-19048	SLE RA 6	-59.1	-242195	-536444	-16096	SLE RA 3	942.5	Si
-81	-231626	-501136	-18864	SLE RA 6	-51.7	-211910	-477941	-15912	SLE RA 3	772.6	Si
-52	-198855	-440279	-18680	SLE RA 6	-44.4	-181625	-419438	-15728	SLE RA 3	606.4	Si
-22	-166083	-379421	-18496	SLE RA 6	-37.1	-151341	-360935	-15544	SLE RA 3	445.7	Si
7	-133312	-318564	-18312	SLE RA 6	-24.5	-133312	-318564	-18312	SLE RA 6	-309.3	Si
36	-100541	-257707	-18129	SLE RA 6	-20.7	-100541	-257707	-18129	SLE RA 6	-264.2	Si

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
66	-67770	-196850	-17945	SLE RA 6	-16.9	-67770	-196850	-17945	SLE RA 6	-219.1	Si
95	-34999	-135993	-17761	SLE RA 6	-13.1	-34999	-135993	-17761	SLE RA 6	-174	Si
125	-3103	-64882	-18831	SLE RA 11	-9.3	-3103	-64882	-18831	SLE RA 11	-131	Si
154	23161	-20099	-18643	SLE RA 13	-8.2	23161	-20099	-18643	SLE RA 13	-118	Si
184	63421	46606	-17205	SLE RA 7	-10.4	63421	46606	-17205	SLE RA 7	-141.8	Si
213	96506	108063	-17020	SLE RA 7	-14.1	96506	108063	-17020	SLE RA 7	-185.4	Si
242	128957	168341	-16838	SLE RA 7	-17.7	128957	168341	-16838	SLE RA 7	-228.2	Si
272	161725	229209	-16654	SLE RA 7	-21.4	161725	229209	-16654	SLE RA 7	-271.4	Si
301	181791	282598	-13522	SLE RA 3	-31.9	181791	282598	-13522	SLE RA 3	384.3	Si
331	227261	350944	-16286	SLE RA 7	-39.9	212076	341101	-13339	SLE RA 3	557.3	Si
360	259472	410777	-16106	SLE RA 7	-47.4	241846	398610	-13158	SLE RA 3	736.1	Si
380	212195	364770	-11727	SLE RA 7	-41.7	203624	354153	-9774	SLE RA 3	716.3	Si
409	187255	329372	-11545	SLE RA 7	-37	179424	319878	-9593	SLE RA 3	609	Si
438	162315	293974	-11364	SLE RA 7	-32.2	155223	285603	-9412	SLE RA 3	503	Si
467	137375	258576	-11183	SLE RA 7	-19.7	137375	258576	-11183	SLE RA 7	-245.4	Si
496	112435	223178	-11002	SLE RA 7	-17.3	112435	223178	-11002	SLE RA 7	-216	Si
525	87495	187780	-10820	SLE RA 7	-14.8	87495	187780	-10820	SLE RA 7	-186.6	Si
554	62555	152382	-10639	SLE RA 7	-12.3	62555	152382	-10639	SLE RA 7	-157.3	Si
583	37615	116984	-10458	SLE RA 7	-9.8	37615	116984	-10458	SLE RA 7	-127.9	Si
612	12675	81587	-10277	SLE RA 7	-7.4	12675	81587	-10277	SLE RA 7	-98.5	Si
641	-12265	46189	-10095	SLE RA 7	-5.9	-12265	46189	-10095	SLE RA 7	-80.6	Si
670	-37206	10791	-9914	SLE RA 7	-5.4	-37206	10791	-9914	SLE RA 7	-74.4	Si
690	-78500	-30593	-5838	SLE RA 6	-6.4	-78500	-30593	-5838	SLE RA 6	-81.7	Si
719	-67281	-24762	-5659	SLE RA 6	-5.6	-67281	-24762	-5659	SLE RA 6	-72.7	Si
748	-55865	-18829	-5478	SLE RA 6	-4.9	-55865	-18829	-5478	SLE RA 6	-63.7	Si
777	-44449	-12895	-5297	SLE RA 6	-4.1	-44449	-12895	-5297	SLE RA 6	-54.6	Si
806	-33033	-6962	-5116	SLE RA 6	-3.4	-33033	-6962	-5116	SLE RA 6	-45.5	Si
835	-21617	-1029	-4934	SLE RA 6	-2.6	-21617	-1029	-4934	SLE RA 6	-36.4	Si
864	6842	9670	-5216	SLE RA 12	-2.5	6842	9670	-5216	SLE RA 12	-35.1	Si
893	15490	15279	-5035	SLE RA 12	-3	15490	15279	-5035	SLE RA 12	-40.9	Si
922	24178	20862	-4855	SLE RA 10	-3.5	24178	20862	-4855	SLE RA 10	-46.6	Si
951	32851	26486	-4674	SLE RA 10	-4	32851	26486	-4674	SLE RA 10	-52.4	Si
980	41523	32110	-4492	SLE RA 10	-4.5	41523	32110	-4492	SLE RA 10	-58.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
-140	-109929	-188905	-17519	SLE QP 2	-18.1	Si
-111	-97988	-172444	-17339	SLE QP 2	-16.9	Si
-81	-85840	-155698	-17155	SLE QP 2	-15.6	Si
-52	-73692	-138953	-16971	SLE QP 2	-14.4	Si
-22	-61544	-122207	-16787	SLE QP 2	-13.2	Si
7	-49396	-105462	-16603	SLE QP 2	-12	Si
36	-37248	-88716	-16420	SLE QP 2	-10.8	Si
66	-25100	-71971	-16236	SLE QP 2	-9.6	Si
95	-12952	-55225	-16052	SLE QP 2	-8.3	Si
125	-804	-38480	-15868	SLE QP 2	-7.1	Si
154	11344	-21734	-15684	SLE QP 2	-6.8	Si
184	23492	-4988	-15500	SLE QP 2	-6.5	Si
213	35758	11919	-15315	SLE QP 2	-7.2	Si
242	47788	28503	-15133	SLE QP 2	-8.3	Si
272	59936	45248	-14949	SLE QP 2	-9.4	Si
301	72085	61994	-14765	SLE QP 2	-10.5	Si
331	84233	78739	-14581	SLE QP 2	-11.6	Si
360	96174	95200	-14401	SLE QP 2	-12.7	Si
380	56960	64686	-10711	SLE QP 2	-8.6	Si
409	51109	59360	-10530	SLE QP 2	-8.1	Si
438	45258	54033	-10348	SLE QP 2	-7.6	Si
467	39408	48707	-10167	SLE QP 2	-7.1	Si
496	33557	43381	-9986	SLE QP 2	-6.6	Si
525	27706	38055	-9805	SLE QP 2	-6.1	Si
554	21855	32729	-9623	SLE QP 2	-5.5	Si
583	16005	27403	-9442	SLE QP 2	-5	Si
612	10154	22076	-9261	SLE QP 2	-4.5	Si
641	4303	16750	-9080	SLE QP 2	-4	Si
670	-1548	11424	-8898	SLE QP 2	-3.6	Si
690	-37530	-21193	-5324	SLE QP 2	-4.2	Si
719	-30556	-16137	-5146	SLE QP 2	-3.7	Si
748	-23459	-10992	-4964	SLE QP 2	-3.1	Si
777	-16363	-5847	-4783	SLE QP 2	-2.6	Si
806	-9266	-702	-4602	SLE QP 2	-2	Si
835	-2170	4443	-4421	SLE QP 2	-1.8	Si
864	4927	9589	-4239	SLE QP 2	-2.1	Si
893	12023	14734	-4058	SLE QP 2	-2.5	Si
922	19120	19879	-3877	SLE QP 2	-2.9	Si
951	26216	25024	-3696	SLE QP 2	-3.3	Si
980	33313	30169	-3514	SLE QP 2	-3.8	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

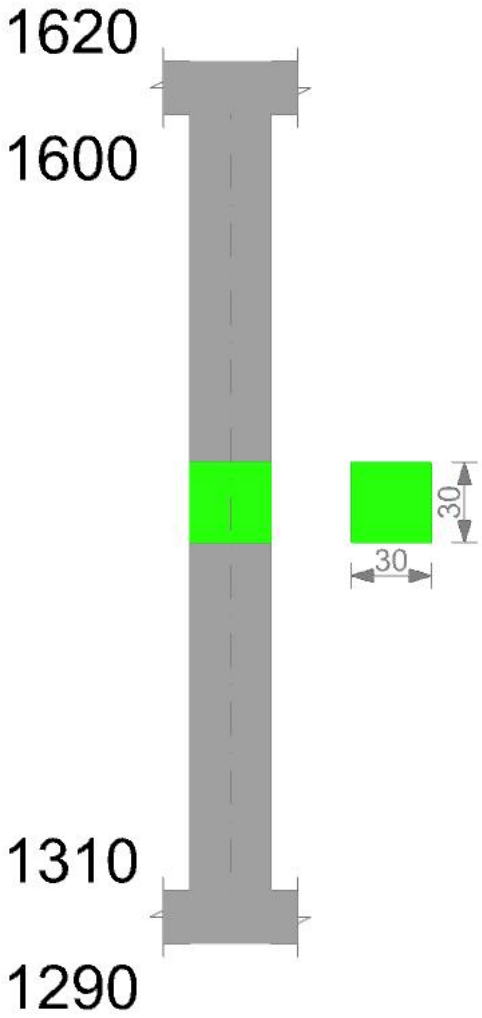
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 990 in quanto nodo interno a piastra.
per il nodo Appoggio -172.5 in quanto elemento di base della pilastrata.
per il nodo Appoggio 680 in quanto nodo interno a piastra.
per il nodo Appoggio 370 in quanto nodo interno a piastra.

Pilastro F7

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1310	1600	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.59	-9.59	1.8	2.545	1300	1310	R 30x30_1	B450C
p.1	9.59	-9.59	1.8	2.545	1300	1310	R 30x30_1	B450C
p.1	9.59	9.59	1.8	2.545	1300	1310	R 30x30_1	B450C
p.1	-9.59	9.59	1.8	2.545	1300	1310	R 30x30_1	B450C
p.2	-9.67	-9.67	1.6	2.011	1300	1600	R 30x30_1	B450C
p.2	9.67	-9.67	1.6	2.011	1300	1600	R 30x30_1	B450C
p.2	9.67	9.67	1.6	2.011	1300	1600	R 30x30_1	B450C
p.2	-9.67	9.67	1.6	2.011	1300	1600	R 30x30_1	B450C
p.3	-9.9	0	1.6	2.011	1290	1310	R 30x30_1	B450C
p.3	9.9	0	1.6	2.011	1290	1310	R 30x30_1	B450C
p.4	-9.9	0	1.6	2.011	1310.1	1620	R 30x30_1	B450C
p.4	9.9	0	1.6	2.011	1310.1	1620	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1310	15.79	2.5	0	1,2,3	201392	-202395	-12129	580894	-583787	SLU 51	2.884	Si
1339	15.2	2.9	0	1,2,3,4	156233	-183232	-12045	539259	-632450	SLU 51	3.452	Si
1368	12.06	1.3	0	2,4	106917	-167658	-12029	418619	-656439	SLU 52	3.915	Si
1397	12.06	1.3	0	2,4	61867	-147161	-11945	325800	-774969	SLU 52	5.266	Si
1426	12.06	1.3	0	2,4	23720	-126665	-11860	164709	-879559	SLU 52	6.944	Si
1455	12.06	1.3	0	2,4	-28233	-106168	-11775	-217456	-817719	SLU 52	7.702	Si
1484	12.06	1.3	0	2,4	-73526	-85733	-11621	-499043	-581896	SLU 51	6.787	Si
1513	12.06	1.3	0	2,4	-119477	-66233	-11536	-672526	-372817	SLU 51	5.629	Si
1542	12.06	1.3	0	2,4	-165429	-46733	-11451	-755058	-213301	SLU 51	4.564	Si
1571	12.06	1.3	0	2,4	-211381	-27233	-11367	-777946	-100226	SLU 51	3.68	Si
1600	13.56	1.8	0	2,4	-256540	-22567	-11283	-779004	-68525	SLU 51	3.037	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1310	15.79	2.5	0	1,2,3	434723	-294111	-6847	-2.02	1.92	449161	-303879	SLV 15	1.033				Si
1339	15.2	2.9	0	1,2,3,4	352854	-250648	-6782	-2.02	1.92	438545	-311518	SLV 15	1.243				Si
1368	12.06	1.3	0	2,4	269564	-206444	-6717	-2.02	1.92	360407	-276016	SLV 15	1.337				Si
1397	12.06	1.3	0	2,4	186309	-162289	-6652	-2.02	1.92	371214	-323357	SLV 15	1.992				Si
1426	12.06	1.3	0	2,4	103154	-100089	-6587	-2.02	1.92	396552	-384771	SLV 15	3.844				Si
1455	12.06	1.3	0	2,4	-49324	-76257	-7748	-2.02	1.92	-326950	-505471	SLV 3	6.629				Si
1484	12.06	1.3	0	2,4	-66297	-27573	-6456	-2.02	1.92	-555210	-230912	SLV 15	8.375				Si
1513	12.06	1.3	0	2,4	-147843	15649	-6391	-2.02	1.92	-611915	64770	SLV 15	4.139				Si
1542	12.06	1.3	0	2,4	-230951	59705	-6326	-2.02	1.92	-476973	123306	SLV 15	2.065				Si
1571	12.06	1.3	0	2,4	-314194	103876	-6260	-2.02	1.92	-428045	141517	SLV 15	1.362				Si
1600	13.56	1.8	0	2,4	-396043	147325	-6196	-2.02	1.92	-420585	156454	SLV 15	1.062				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1310	15.79	2.5	0	1,2,3	238880	-187734	-6999	468581	-368253	SLD 15	1.962	Si
1339	15.2	2.9	0	1,2,3,4	191351	-163609	-6935	458711	-392207	SLD 15	2.397	Si
1368	12.06	1.3	0	2,4	142994	-139069	-6870	385213	-374640	SLD 15	2.694	Si
1397	12.06	1.3	0	2,4	94651	-114550	-6805	357200	-432298	SLD 15	3.774	Si
1426	12.06	1.3	0	2,4	46349	-82663	-6740	296372	-528579	SLD 15	6.394	Si
1455	12.06	1.3	0	2,4	-29113	-66398	-7199	-253950	-579189	SLD 3	8.723	Si
1484	12.06	1.3	0	2,4	-51523	-40023	-6609	-462483	-359253	SLD 15	8.976	Si
1513	12.06	1.3	0	2,4	-99179	-15915	-6544	-633792	-101703	SLD 15	6.39	Si
1542	12.06	1.3	0	2,4	-147463	8560	-6479	-632849	36735	SLD 15	4.292	Si
1571	12.06	1.3	0	2,4	-195801	33085	-6413	-528305	89268	SLD 15	2.698	Si
1600	13.56	1.8	0	2,4	-243322	57203	-6349	-493328	115978	SLD 15	2.027	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	3X/2Y Ø8/18.1	713	-12731	SLU 48	5368	18240	21811	2.5	25.6	-1585	-12129	SLU 51	5256	12046	21529	2.5	7.6	Si
1339	3X/2Y Ø8/18.1	713	-12647	SLU 48	5358	18240	21801	2.5	25.6	-1585	-12045	SLU 51	5246	12046	21519	2.5	7.6	Si
1368	3X/2Y Ø8/18.1	713	-12563	SLU 48	5347	18240	21790	2.5	25.6	-1585	-11960	SLU 51	5235	12046	21508	2.5	7.6	Si
1397	3X/2Y Ø8/18.1	713	-12478	SLU 48	5337	18240	21779	2.5	25.6	-1585	-11876	SLU 51	5225	12046	21497	2.5	7.6	Si
1426	3X/2Y Ø8/18.1	713	-12393	SLU 48	5326	18240	21768	2.5	25.6	-1585	-11791	SLU 51	5214	12046	21486	2.5	7.6	Si
1455	3X/2Y Ø8/18.1	713	-12308	SLU 48	5316	18240	21757	2.5	25.6	-1585	-11706	SLU 51	5204	12046	21475	2.5	7.6	Si
1484	3X/2Y Ø8/18.1	713	-12223	SLU 48	5305	18240	21746	2.5	25.6	-1585	-11621	SLU 51	5193	12046	21465	2.5	7.6	Si
1513	3X/2Y Ø8/18.1	713	-12138	SLU 48	5294	18240	21735	2.5	25.6	-1585	-11536	SLU 51	5183	12046	21454	2.5	7.6	Si
1542	3X/2Y Ø8/18.1	713	-12054	SLU 48	5284	18240	21724	2.5	25.6	-1585	-11451	SLU 51	5173	12046	21443	2.5	7.6	Si
1571	3X/2Y Ø8/18.1	713	-11969	SLU 48	5273	18240	21713	2.5	25.6	-1585	-11367	SLU 51	5162	12046	21432	2.5	7.6	Si
1600	3X/2Y Ø8/18.1	713	-11885	SLU 48	5263	18240	21702	2.5	25.6	-1585	-11283	SLU 51	5152	12046	21421	2.5	7.6	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	3X/2Y Ø8/18.1	1690	-8046	SLV 11	4785	18240	21208	2.5	10.79	-2874	-6847	SLV 15	4605	12046	20855	2.5	4.19	Si
1339	3X/2Y Ø8/18.1	1690	-7982	SLV 11	4777	18240	21200	2.5	10.79	-2874	-6782	SLV 15	4597	12046	20847	2.5	4.19	Si
1368	3X/2Y Ø8/18.1	1690	-7917	SLV 11	4769	18240	21191	2.5	10.79	-2874	-6717	SLV 15	4589	12046	20839	2.5	4.19	Si
1397	3X/2Y Ø8/18.1	1690	-7851	SLV 11	4761	18240	21183	2.5	10.79	-2874	-6652	SLV 15	4581	12046	20831	2.5	4.19	Si
1426	3X/2Y Ø8/18.1	1690	-7786	SLV 11	4753	18240	21175	2.5	10.79	-2874	-6587	SLV 15	4573	12046	20822	2.5	4.19	Si
1455	3X/2Y Ø8/18.1	1690	-7721	SLV 11	4744	18240	21166	2.5	10.79	-2874	-6521	SLV 15	4565	12046	20814	2.5	4.19	Si
1484	3X/2Y Ø8/18.1	1690	-7656	SLV 11	4736	18240	21158	2.5	10.79	-2874	-6456	SLV 15	4556	12046	20806	2.5	4.19	Si
1513	3X/2Y Ø8/18.1	1690	-7590	SLV 11	4728	18240	21149	2.5	10.79	-2874	-6391	SLV 15	4548	12046	20797	2.5	4.19	Si
1542	3X/2Y Ø8/18.1	1690	-7525	SLV 11	4720	18240	21141	2.5	10.79	-2874	-6326	SLV 15	4540	12046	20789	2.5	4.19	Si
1571	3X/2Y Ø8/18.1	1690	-7460	SLV 11	4712	18240	21132	2.5	10.79	-2874	-6260	SLV 15	4532	12046	20781	2.5	4.19	Si
1600	3X/2Y Ø8/18.1	1690	-7396	SLV 11	4704	18240	21124	2.5	10.79	-2874	-6196	SLV 15	4524	12046	20772	2.5	4.19	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	3X/2Y Ø8/18.1	911	-7491	SLD 11	4716	18240	21136	2.5	20.03	-1668	-6999	SLD 15	4623	12046	20875	2.5	7.22	Si
1339	3X/2Y Ø8/18.1	911	-7427	SLD 11	4708	18240	21128	2.5	20.03	-1668	-6935	SLD 15	4616	12046	20867	2.5	7.22	Si
1368	3X/2Y Ø8/18.1	911	-7361	SLD 11	4700	18240	21120	2.5	20.03	-1668	-6870	SLD 15	4607	12046	20858	2.5	7.22	Si
1397	3X/2Y Ø8/18.1	911	-7296	SLD 11	4692	18240	21111	2.5	20.03	-1668	-6805	SLD 15	4599	12046	20850	2.5	7.22	Si
1426	3X/2Y Ø8/18.1	911	-7231	SLD 11	4683	18240	21103	2.5	20.03	-1668	-6740	SLD 15	4591	12046	20842	2.5	7.22	Si
1455	3X/2Y Ø8/18.1	911	-7166	SLD 11	4675	18240	21095	2.5	20.03	-1668	-6674	SLD 15	4583	12046	20833	2.5	7.22	Si
1484	3X/2Y Ø8/18.1	911	-7100	SLD 11	4667	18240	21086	2.5	20.03	-1668	-6609	SLD 15	4575	12046	20825	2.5	7.22	Si
1513	3X/2Y Ø8/18.1	911	-7035	SLD 11	4659	18240	21078	2.5	20.03	-1668	-6544	SLD 15	4567	12046	20817	2.5	7.22	Si
1542	3X/2Y Ø8/18.1	911	-6970	SLD 11	4651	18240	21069	2.5	20.03	-1668	-6479	SLD 15	4559	12046	20808	2.5	7.22	Si
1571	3X/2Y Ø8/18.1	911	-6905	SLD 11	4643	18240	21061	2.5	20.03	-1668	-6413	SLD 15	4551	12046	20800	2.5	7.22	Si
1600	3X/2Y Ø8/18.1	911	-6841	SLD 11	4635	18240	21053	2.5	20.03	-1668	-6349	SLD 15	4543	12046	20792	2.5	7.22	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1310	140358	-145085	-8731	SLE RA 12	-83	137331	-139771	-8002	SLE RA 10	990	Si
1339	108665	-131158	-8667	SLE RA 12	-69.7	106837	-126727	-7938	SLE RA 10	772.9	Si
1368	74174	-119605	-8648	SLE RA 13	-60.4	73566	-116071	-7919	SLE RA 11	643.4	Si
1397	42526	-104770	-8583	SLE RA 13	-44.3	42526	-104770	-8583	SLE RA 13	-442.4	Si
1426	10878	-89935	-8517	SLE RA 13	-25.9	10878	-89935	-8517	SLE RA 13	-292.2	Si
1455	-20770	-75099	-8452	SLE RA 13	-25.1	-23312	-69894	-8808	SLE RA 9	-284.8	Si
1484	-52418	-60264	-8387	SLE RA 13	-28.4	-52418	-60264	-8387	SLE RA 13	-316	Si
1513	-84828	-46134	-8276	SLE RA 12	-40.7	-84828	-46134	-8276	SLE RA 12	-410.9	Si
1542	-117077	-31964	-8210	SLE RA 12	-48.9	-110364	-33814	-7481	SLE RA 10	525.5	Si
1571	-149326	-17793	-8145	SLE RA 12	-56.6	-149326	-17793	-8145	SLE RA 12	766.5	Si
1600	-181019	-3866	-8081	SLE RA 12	-62.5	-181019	-3866	-8081	SLE RA 12	979.7	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1310	112803	-116521	-7130	SLE QP 2	-66.6	Si
1339	87382	-105279	-7066	SLE QP 2	-55.9	Si
1368	61515	-93840	-7000	SLE QP 2	-48.5	Si
1397	35648	-82401	-6935	SLE QP 2	-35.5	Si
1426	9781	-70962	-6870	SLE QP 2	-20.8	Si
1455	-16086	-59523	-6805	SLE QP 2	-19.9	Si
1484	-41953	-48084	-6739	SLE QP 2	-22.7	Si
1513	-67820	-36645	-6674	SLE QP 2	-25.6	Si
1542	-93687	-25206	-6609	SLE QP 2	-39	Si
1571	-119554	-13767	-6544	SLE QP 2	-45.1	Si
1600	-144975	-2525	-6479	SLE QP 2	-49.9	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1310	119811	-123164	-7379	SLE FR 6	99130	-101904	-101904	844.2	324.4	0.0334	32.98	0.0081	Si	Si
1339	92941	-111407	-7315										No	Si
1368	65599	-99444	-7250										No	Si
1397	38257	-87481	-7184										No	Si
1426	10915	-75518	-7119										No	Si
1455	-16426	-63555	-7054										No	Si
1484	-43768	-51592	-6989										No	Si
1513	-71110	-39629	-6923										No	Si
1542	-98452	-27665	-6858										No	Si
1571	-125794	-15702	-6793										No	Si
1600	-152664	-3946	-6729										No	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1310	112803	-116521	-7130	SLE QP 2	99328	-102601	-102601	786	323	0.0335	32.95	0.0075	Si	Si
1339	87382	-105279	-7066										No	Si
1368	61515	-93840	-7000										No	Si
1397	35648	-82401	-6935										No	Si
1426	9781	-70962	-6870										No	Si
1455	-16086	-59523	-6805										No	Si
1484	-41953	-48084	-6739										No	Si
1513	-67820	-36645	-6674										No	Si
1542	-93687	-25206	-6609										No	Si
1571	-119554	-13767	-6544										No	Si
1600	-144975	-2525	-6479										No	Si

Verifiche nodi trave colonna

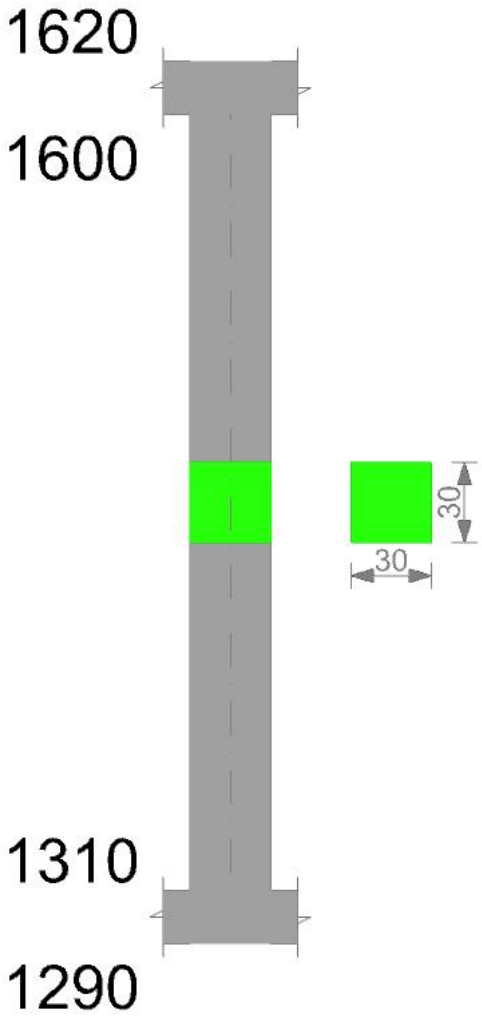
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto elemento di base della pilastrata.

Pilastro F8

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1310	1600	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.59	-9.59	1.8	2.545	1300	1310	R 30x30_1	B450C
p.1	9.59	-9.59	1.8	2.545	1300	1310	R 30x30_1	B450C
p.1	9.59	9.59	1.8	2.545	1300	1310	R 30x30_1	B450C
p.1	-9.59	9.59	1.8	2.545	1300	1310	R 30x30_1	B450C
p.2	-9.67	-9.67	1.6	2.011	1300	1600	R 30x30_1	B450C
p.2	9.67	-9.67	1.6	2.011	1300	1600	R 30x30_1	B450C
p.2	9.67	9.67	1.6	2.011	1300	1600	R 30x30_1	B450C
p.2	-9.67	9.67	1.6	2.011	1300	1600	R 30x30_1	B450C
p.3	-9.9	0	1.6	2.011	1290	1310	R 30x30_1	B450C
p.3	9.9	0	1.6	2.011	1290	1310	R 30x30_1	B450C
p.4	-9.9	0	1.6	2.011	1310.1	1620	R 30x30_1	B450C
p.4	9.9	0	1.6	2.011	1310.1	1620	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1310	15.79	2.5	0	1,2,3	111867	331088	-32887	297994	881960	SLU 51	2.664	Si
1339	15.2	2.9	0	1,2,3,4	87348	278134	-32804	265975	846914	SLU 51	3.045	Si
1368	12.06	1.3	0	2,4	65437	224251	-32719	217726	746136	SLU 51	3.327	Si
1397	12.06	1.3	0	2,4	65268	170368	-32634	247868	647009	SLU 51	3.798	Si
1426	12.06	1.3	0	2,4	65098	116485	-32549	282127	504832	SLU 51	4.334	Si
1455	12.06	1.3	0	2,4	-65028	65028	-32514	-316346	316346	SLU 52	4.865	Si
1484	12.06	1.3	0	2,4	-64858	64858	-32429	-316346	316346	SLU 52	4.878	Si
1513	12.06	1.3	0	2,4	-64688	-64688	-32344	-316346	-316346	SLU 52	4.89	Si
1542	12.06	1.3	0	2,4	-87291	-99046	-32210	-378104	-429021	SLU 51	4.332	Si
1571	12.06	1.3	0	2,4	-112240	-152929	-32125	-406427	-553765	SLU 51	3.621	Si
1600	13.56	1.8	0	2,4	-136758	-205883	-32042	-428835	-645591	SLU 51	3.136	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1310	15.79	2.5	0	1,2,3	255280	312545	-19008	-2.02	1.92	404828	495640	SLV 9	1.586				Si
1339	15.2	2.9	0	1,2,3,4	200794	256974	-18944	-2.02	1.92	392245	501991	SLV 9	1.953				Si
1368	12.06	1.3	0	2,4	-124048	244462	-19077	-2.02	1.92	-277644	547154	SLV 1	2.238				Si
1397	12.06	1.3	0	2,4	-80096	173360	-19011	-2.02	1.92	-263530	570383	SLV 1	3.29				Si
1426	12.06	1.3	0	2,4	-34266	102286	-18946	-2.02	1.92	-186099	555525	SLV 1	5.431				Si
1455	12.06	1.3	0	2,4	-26749	33063	-18425	-2.02	1.92	-209020	258359	SLV 13	7.814				Si
1484	12.06	1.3	0	2,4	-100798	25655	-18360	-2.02	1.92	-556442	141624	SLV 13	5.52				Si
1513	12.06	1.3	0	2,4	-131945	-82343	-18553	-2.02	1.92	-498953	-311382	SLV 9	3.782				Si
1542	12.06	1.3	0	2,4	-187381	-138886	-18487	-2.02	1.92	-463965	-343889	SLV 9	2.476				Si
1571	12.06	1.3	0	2,4	-242822	-195432	-18422	-2.02	1.92	-438168	-352653	SLV 9	1.804				Si
1600	13.56	1.8	0	2,4	-297309	-251003	-18358	-2.02	1.92	-436920	-368870	SLV 9	1.47				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1310	15.79	2.5	0	1,2,3	138994	235068	-18967	340582	575993	SLD 9	2.45	Si
1339	15.2	2.9	0	1,2,3,4	109062	195275	-18903	324586	581173	SLD 9	2.976	Si
1368	12.06	1.3	0	2,4	-27792	172312	-18917	-111363	690459	SLD 1	4.007	Si
1397	12.06	1.3	0	2,4	-19017	126027	-18851	-98100	650105	SLD 1	5.158	Si
1426	12.06	1.3	0	2,4	-9500	79753	-18786	-63503	533138	SLD 1	6.685	Si
1455	12.06	1.3	0	2,4	-15036	34185	-18536	-123498	280781	SLD 13	8.214	Si
1484	12.06	1.3	0	2,4	-52810	13203	-18470	-390252	97565	SLD 13	7.39	Si
1513	12.06	1.3	0	2,4	-73720	-47684	-18511	-429006	-277490	SLD 9	5.819	Si
1542	12.06	1.3	0	2,4	-104176	-88173	-18446	-440523	-372851	SLD 9	4.229	Si
1571	12.06	1.3	0	2,4	-134633	-128662	-18381	-423732	-404940	SLD 9	3.147	Si
1600	13.56	1.8	0	2,4	-164566	-168455	-18316	-417237	-427095	SLD 9	2.535	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	3X/2Y Ø8/18.1	-1858	-32887	SLU 51	7683	18240	24407	2.5	9.82	-860	-32887	SLU 51	7623	12046	24178	2.5	14	Si
1339	3X/2Y Ø8/18.1	-1858	-32804	SLU 51	7683	18240	24397	2.5	9.82	-860	-32804	SLU 51	7623	12046	24167	2.5	14	Si
1368	3X/2Y Ø8/18.1	-1858	-32719	SLU 51	7683	18240	24386	2.5	9.82	-860	-32719	SLU 51	7623	12046	24156	2.5	14	Si
1397	3X/2Y Ø8/18.1	-1858	-32634	SLU 51	7683	18240	24375	2.5	9.82	-860	-32634	SLU 51	7623	12046	24145	2.5	14	Si
1426	3X/2Y Ø8/18.1	-1858	-32549	SLU 51	7683	18240	24364	2.5	9.82	-860	-32549	SLU 51	7623	12046	24135	2.5	14	Si
1455	3X/2Y Ø8/18.1	-1858	-32464	SLU 51	7683	18240	24353	2.5	9.82	-860	-32464	SLU 51	7623	12046	24124	2.5	14	Si
1484	3X/2Y Ø8/18.1	-1858	-32379	SLU 51	7683	18240	24342	2.5	9.82	-860	-32379	SLU 51	7623	12046	24113	2.5	14	Si
1513	3X/2Y Ø8/18.1	-1858	-32295	SLU 51	7683	18240	24331	2.5	9.82	-860	-32295	SLU 51	7623	12046	24102	2.5	14	Si
1542	3X/2Y Ø8/18.1	-1858	-32210	SLU 51	7683	18240	24320	2.5	9.82	-860	-32210	SLU 51	7623	12046	24091	2.5	14	Si
1571	3X/2Y Ø8/18.1	-1858	-32125	SLU 51	7683	18240	24309	2.5	9.82	-860	-32125	SLU 51	7623	12046	24080	2.5	14	Si
1600	3X/2Y Ø8/18.1	-1858	-32042	SLU 51	7683	18240	24298	2.5	9.82	-860	-32042	SLU 51	7623	12046	24070	2.5	14	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	3X/2Y Ø8/18.1	-2580	-19145	SLV 5	6167	18240	22637	2.5	7.07	-2557	-18750	SLV 13	6073	12046	22374	2.5	4.71	Si
1339	3X/2Y Ø8/18.1	-2580	-19081	SLV 5	6159	18240	22629	2.5	7.07	-2557	-18686	SLV 13	6065	12046	22366	2.5	4.71	Si
1368	3X/2Y Ø8/18.1	-2580	-19016	SLV 5	6151	18240	22621	2.5	7.07	-2557	-18621	SLV 13	6057	12046	22358	2.5	4.71	Si
1397	3X/2Y Ø8/18.1	-2580	-18950	SLV 5	6143	18240	22612	2.5	7.07	-2557	-18556	SLV 13	6049	12046	22349	2.5	4.71	Si
1426	3X/2Y Ø8/18.1	-2580	-18885	SLV 5	6134	18240	22604	2.5	7.07	-2557	-18490	SLV 13	6041	12046	22341	2.5	4.71	Si
1455	3X/2Y Ø8/18.1	-2580	-18820	SLV 5	6126	18240	22596	2.5	7.07	-2557	-18425	SLV 13	6033	12046	22333	2.5	4.71	Si
1484	3X/2Y Ø8/18.1	-2580	-18755	SLV 5	6118	18240	22587	2.5	7.07	-2557	-18360	SLV 13	6025	12046	22324	2.5	4.71	Si
1513	3X/2Y Ø8/18.1	-2580	-18689	SLV 5	6110	18240	22579	2.5	7.07	-2557	-18295	SLV 13	6016	12046	22316	2.5	4.71	Si
1542	3X/2Y Ø8/18.1	-2580	-18624	SLV 5	6102	18240	22570	2.5	7.07	-2557	-18229	SLV 13	6008	12046	22308	2.5	4.71	Si
1571	3X/2Y Ø8/18.1	-2580	-18559	SLV 5	6094	18240	22562	2.5	7.07	-2557	-18164	SLV 13	6000	12046	22299	2.5	4.71	Si
1600	3X/2Y Ø8/18.1	-2580	-18495	SLV 5	6086	18240	22554	2.5	7.07	-2557	-18100	SLV 13	5992	12046	22291	2.5	4.71	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	3X/2Y Ø8/18.1	-1647	-19022	SLD 5	6151	18240	22622	2.5	11.08	-1304	-18861	SLD 13	6086	12046	22388	2.5	9.24	Si
1339	3X/2Y Ø8/18.1	-1647	-18958	SLD 5	6144	18240	22613	2.5	11.08	-1304	-18797	SLD 13	6078	12046	22380	2.5	9.24	Si
1368	3X/2Y Ø8/18.1	-1647	-18893	SLD 5	6135	18240	22605	2.5	11.08	-1304	-18731	SLD 13	6070	12046	22372	2.5	9.24	Si
1397	3X/2Y Ø8/18.1	-1647	-18828	SLD 5	6127	18240	22597	2.5	11.08	-1304	-18666	SLD 13	6062	12046	22363	2.5	9.24	Si
1426	3X/2Y Ø8/18.1	-1647	-18762	SLD 5	6119	18240	22588	2.5	11.08	-1304	-18601	SLD 13	6054	12046	22355	2.5	9.24	Si
1455	3X/2Y Ø8/18.1	-1647	-18697	SLD 5	6111	18240	22580	2.5	11.08	-1304	-18536	SLD 13	6046	12046	22347	2.5	9.24	Si
1484	3X/2Y Ø8/18.1	-1647	-18632	SLD 5	6103	18240	22571	2.5	11.08	-1304	-18470	SLD 13	6038	12046	22338	2.5	9.24	Si
1513	3X/2Y Ø8/18.1	-1647	-18567	SLD 5	6095	18240	22563	2.5	11.08	-1304	-18405	SLD 13	6030	12046	22330	2.5	9.24	Si
1542	3X/2Y Ø8/18.1	-1647	-18501	SLD 5	6087	18240	22555	2.5	11.08	-1304	-18340	SLD 13	6022	12046	22322	2.5	9.24	Si
1571	3X/2Y Ø8/18.1	-1647	-18436	SLD 5	6079	18240	22546	2.5	11.08	-1304	-18275	SLD 13	6014	12046	22313	2.5	9.24	Si
1600	3X/2Y Ø8/18.1	-1647	-18372	SLD 5	6071	18240	22538	2.5	11.08	-1304	-18211	SLD 13	6006	12046	22305	2.5	9.24	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1310	78165	234216	-23305	SLE RA 12	-84.8	78165	234216	-23305	SLE RA 12	-900.7	Si
1339	60961	196707	-23241	SLE RA 12	-70.9	60961	196707	-23241	SLE RA 12	-781.7	Si
1368	43455	158539	-23176	SLE RA 12	-60.3	43455	158539	-23176	SLE RA 12	-692.5	Si
1397	25949	120371	-23111	SLE RA 12	-47.6	25949	120371	-23111	SLE RA 12	-574.5	Si
1426	8443	82203	-23045	SLE RA 12	-37.5	8443	82203	-23045	SLE RA 12	-476.1	Si
1455	-8914	44204	-23013	SLE RA 13	-30.8	-8914	44204	-23013	SLE RA 13	-411.4	Si
1484	-25916	6616	-22948	SLE RA 13	-27.3	-25916	6616	-22948	SLE RA 13	-377.5	Si
1513	-44074	-32300	-22850	SLE RA 12	-35.3	-44074	-32300	-22850	SLE RA 12	-453.5	Si
1542	-61580	-70468	-22784	SLE RA 12	-45.3	-61580	-70468	-22784	SLE RA 12	-550.2	Si
1571	-79086	-108635	-22719	SLE RA 12	-55.3	-79086	-108635	-22719	SLE RA 12	-646.8	Si
1600	-96290	-146145	-22655	SLE RA 12	-69.1	-96290	-146145	-22655	SLE RA 12	-768.6	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1310	63003	183954	-18936	SLE QP 2	-67	Si
1339	49107	154557	-18872	SLE QP 2	-56.1	Si
1368	34967	124645	-18806	SLE QP 2	-46.1	Si
1397	20828	94733	-18741	SLE QP 2	-38.1	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
1426	6688	64820	-18676	SLE QP 2	-30	Si
1455	-7452	34908	-18611	SLE QP 2	-24.8	Si
1484	-21591	4996	-18545	SLE QP 2	-22.2	Si
1513	-35731	-24917	-18480	SLE QP 2	-28.3	Si
1542	-49870	-54829	-18415	SLE QP 2	-36.2	Si
1571	-64010	-84741	-18350	SLE QP 2	-44.2	Si
1600	-77906	-114138	-18286	SLE QP 2	-54.9	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

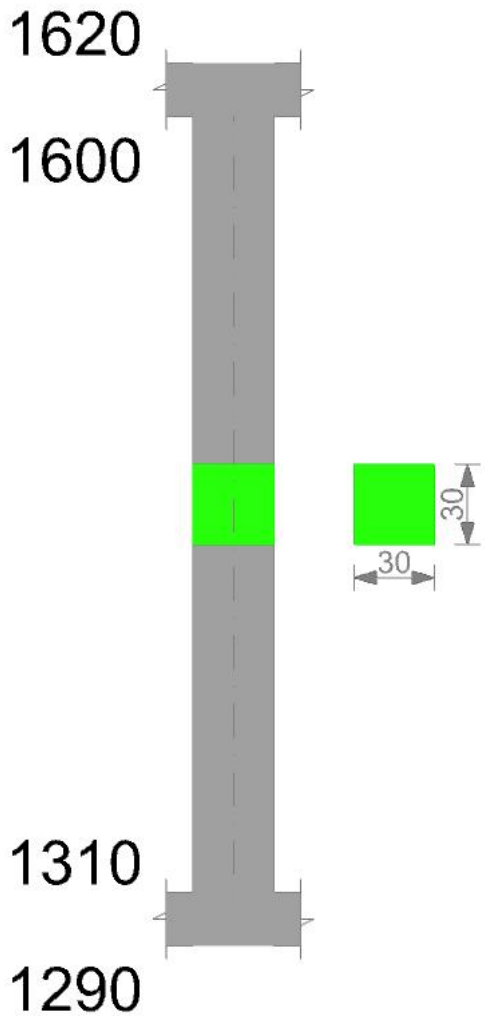
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1300 in quanto elemento di base della pilastrata.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.

Pilastro F9

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1310	1600	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.59	-9.59	1.8	2.545	1300	1310	R 30x30_1	B450C
p.1	9.59	-9.59	1.8	2.545	1300	1310	R 30x30_1	B450C
p.1	9.59	9.59	1.8	2.545	1300	1310	R 30x30_1	B450C
p.1	-9.59	9.59	1.8	2.545	1300	1310	R 30x30_1	B450C
p.2	-9.67	-9.67	1.6	2.011	1300	1600	R 30x30_1	B450C
p.2	9.67	-9.67	1.6	2.011	1300	1600	R 30x30_1	B450C
p.2	9.67	9.67	1.6	2.011	1300	1600	R 30x30_1	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.2	-9.67	9.67	1.6	2.011	1300	1600	R 30x30_1	B450C
p.3	-9.9	0	1.6	2.011	1290	1310	R 30x30_1	B450C
p.3	9.9	0	1.6	2.011	1290	1310	R 30x30_1	B450C
p.4	-9.9	0	1.6	2.011	1310.1	1620	R 30x30_1	B450C
p.4	9.9	0	1.6	2.011	1310.1	1620	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1310	15.79	2.5	0	1,2,3	56335	-76778	198	406754	-554354	SLU 50	7.22	Si
1339	15.2	2.9	0	1,2,3,4	46518	-63199	282	393258	-534276	SLU 50	8.454	Si
1368	12.06	1.3	0	2,4	34487	-48292	633	299810	-419816	SLU 24	8.693	Si
1397	12.06	1.3	0	2,4	25173	-34825	698	288933	-399720	SLU 24	11.478	Si
1426	12.06	1.3	0	2,4	15859	-21359	763	265931	-358156	SLU 24	16.768	Si
1455	12.06	1.3	0	2,4	6545	-7893	828	197870	-238616	SLU 24	30.232	Si
1484	12.06	1.3	0	2,4	-2769	5573	894	-96233	193698	SLU 24	34.754	Si
1513	12.06	1.3	0	2,4	-12083	19040	959	-210625	331890	SLU 24	17.431	Si
1542	12.06	1.3	0	2,4	-21397	32506	1024	-246183	373996	SLU 24	11.505	Si
1571	12.06	1.3	0	2,4	-33400	47341	960	-283184	401383	SLU 50	8.479	Si
1600	13.56	1.8	0	2,4	-43218	60920	1044	-317435	447462	SLU 50	7.345	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1310	15.79	2.5	0	1,2,3	294835	-120358	-1265	-2.02	1.92	468536	-191266	SLV 13	1.589				Si
1339	15.2	2.9	0	1,2,3,4	242200	-99439	-1201	-2.02	1.92	454422	-186569	SLV 13	1.876				Si
1368	12.06	1.3	0	2,4	188652	-78153	-1136	-2.02	1.92	363621	-150638	SLV 13	1.927				Si
1397	12.06	1.3	0	2,4	102171	-105176	-461	-2.02	1.92	275171	-283264	SLV 15	2.693				Si
1426	12.06	1.3	0	2,4	62068	-66732	-396	-2.02	1.92	273170	-293698	SLV 15	4.401				Si
1455	12.06	1.3	0	2,4	21843	-32572	876	-2.02	1.92	182637	-272343	SLV 11	8.361				Si
1484	12.06	1.3	0	2,4	17773	6690	1366	-2.02	1.92	209151	78722	SLV 7	11.768				Si
1513	12.06	1.3	0	2,4	-79631	28292	-809	-2.02	1.92	-386946	137478	SLV 13	4.859				Si
1542	12.06	1.3	0	2,4	-133094	49573	-744	-2.02	1.92	-368920	137411	SLV 13	2.772				Si
1571	12.06	1.3	0	2,4	-186622	70858	-679	-2.02	1.92	-361704	137334	SLV 13	1.938				Si
1600	13.56	1.8	0	2,4	-239248	91776	-615	-2.02	1.92	-375397	144003	SLV 13	1.569				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1310	15.79	2.5	0	1,2,3	137331	-72534	-664	444766	-234911	SLD 13	3.239	Si
1339	15.2	2.9	0	1,2,3,4	88771	-92575	-356	337974	-352456	SLD 15	3.807	Si
1368	12.06	1.3	0	2,4	69243	-72855	-291	272008	-286200	SLD 15	3.928	Si
1397	12.06	1.3	0	2,4	49712	-53136	-225	270703	-289347	SLD 15	5.445	Si
1426	12.06	1.3	0	2,4	30176	-33418	-160	267605	-296356	SLD 15	8.868	Si
1455	12.06	1.3	0	2,4	10625	-15364	393	187860	-271651	SLD 11	17.681	Si
1484	12.06	1.3	0	2,4	5579	4647	632	156166	130061	SLD 7	27.99	Si
1513	12.06	1.3	0	2,4	-37092	17678	-209	-352738	168109	SLD 13	9.51	Si
1542	12.06	1.3	0	2,4	-62005	30594	-143	-340841	168176	SLD 13	5.497	Si
1571	12.06	1.3	0	2,4	-86944	43512	-78	-335935	168122	SLD 13	3.864	Si
1600	13.56	1.8	0	2,4	-111461	56207	-14	-350383	176690	SLD 13	3.144	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	3X/2Y Ø8/18.1	476	198	SLU 50	3783	18240	20172	2.5	38.28	-363	141	SLU 49	3760	12046	19982	2.5	33.17	Si
1339	3X/2Y Ø8/18.1	476	282	SLU 50	3783	18240	20172	2.5	38.28	-363	225	SLU 49	3760	12046	19982	2.5	33.17	Si
1368	3X/2Y Ø8/18.1	476	367	SLU 50	3783	18240	20172	2.5	38.28	-363	310	SLU 49	3760	12046	19982	2.5	33.17	Si
1397	3X/2Y Ø8/18.1	476	451	SLU 50	3783	18240	20172	2.5	38.28	-363	394	SLU 49	3760	12046	19982	2.5	33.17	Si
1426	3X/2Y Ø8/18.1	476	536	SLU 50	3783	18240	20172	2.5	38.28	-363	479	SLU 49	3760	12046	19982	2.5	33.17	Si
1455	3X/2Y Ø8/18.1	476	621	SLU 50	3783	18240	20172	2.5	38.28	-363	564	SLU 49	3760	12046	19982	2.5	33.17	Si
1484	3X/2Y Ø8/18.1	476	706	SLU 50	3783	18240	20172	2.5	38.28	-363	649	SLU 49	3760	12046	19982	2.5	33.17	Si
1513	3X/2Y Ø8/18.1	476	791	SLU 50	3783	18240	20172	2.5	38.28	-363	734	SLU 49	3760	12046	19982	2.5	33.17	Si
1542	3X/2Y Ø8/18.1	476	876	SLU 50	3783	18240	20172	2.5	38.28	-363	818	SLU 49	3760	12046	19982	2.5	33.17	Si
1571	3X/2Y Ø8/18.1	476	960	SLU 50	3783	18240	20172	2.5	38.28	-363	903	SLU 49	3760	12046	19982	2.5	33.17	Si
1600	3X/2Y Ø8/18.1	476	1044	SLU 50	3783	18240	20172	2.5	38.28	-363	987	SLU 49	3760	12046	19982	2.5	33.17	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	3X/2Y Ø8/18.1	1473	551	SLV 11	3783	18240	20172	2.5	12.38	-1847	-1265	SLV 13	3916	12046	20143	2.5	6.52	Si
1339	3X/2Y Ø8/18.1	1473	615	SLV 11	3783	18240	20172	2.5	12.38	-1847	-1201	SLV 13	3908	12046	20135	2.5	6.52	Si
1368	3X/2Y Ø8/18.1	1473	680	SLV 11	3783	18240	20172	2.5	12.38	-1847	-1136	SLV 13	3900	12046	20127	2.5	6.52	Si
1397	3X/2Y Ø8/18.1	1473	746	SLV 11	3783	18240	20172	2.5	12.38	-1847	-1070	SLV 13	3892	12046	20118	2.5	6.52	Si
1426	3X/2Y Ø8/18.1	1473	811	SLV 11	3783	18240	20172	2.5	12.38	-1847	-1005	SLV 13	3884	12046	20110	2.5	6.52	Si
1455	3X/2Y Ø8/18.1	1473	876	SLV 11	3783	18240	20172	2.5	12.38	-1847	-940	SLV 13	3876	12046	20102	2.5	6.52	Si
1484	3X/2Y Ø8/18.1	1473	941	SLV 11	3783	18240	20172	2.5	12.38	-1847	-875	SLV 13	3868	12046	20093	2.5	6.52	Si
1513	3X/2Y Ø8/18.1	1473	1007	SLV 11	3783	18240	20172	2.5	12.38	-1847	-809	SLV 13	3860	12046	20085	2.5	6.52	Si
1542	3X/2Y Ø8/18.1	1473	1072	SLV 11	3783	18240	20172	2.5	12.38	-1847	-744	SLV 13	3852	12046	20077	2.5	6.52	Si
1571	3X/2Y Ø8/18.1	1473	1137	SLV 11	3783	18240	20172	2.5	12.38	-1847	-679	SLV 13	3844	12046	20069	2.5	6.52	Si
1600	3X/2Y Ø8/18.1	1473	1201	SLV 11	3783	18240	20172	2.5	12.38	-1847	-615	SLV 13	3836	12046	20060	2.5	6.52	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	3X/2Y Ø8/18.1	737	68	SLD 11	3783	18240	20172	2.5	24.73	-861	-664	SLD 13	3842	12046	20067	2.5	14	Si
1339	3X/2Y Ø8/18.1	737	132	SLD 11	3783	18240	20172	2.5	24.73	-861	-600	SLD 13	3834	12046	20058	2.5	14	Si
1368	3X/2Y Ø8/18.1	737	197	SLD 11	3783	18240	20172	2.5	24.73	-861	-535	SLD 13	3826	12046	20050	2.5	14	Si
1397	3X/2Y Ø8/18.1	737	262	SLD 11	3783	18240	20172	2.5	24.73	-861	-470	SLD 13	3818	12046	20042	2.5	14	Si
1426	3X/2Y Ø8/18.1	737	327	SLD 11	3783	18240	20172	2.5	24.73	-861	-404	SLD 13	3810	12046	20033	2.5	14	Si
1455	3X/2Y Ø8/18.1	737	393	SLD 11	3783	18240	20172	2.5	24.73	-861	-339	SLD 13	3802	12046	20025	2.5	14	Si
1484	3X/2Y Ø8/18.1	737	458	SLD 11	3783	18240	20172	2.5	24.73	-861	-274	SLD 13	3794	12046	20017	2.5	14	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1513	3X/2Y Ø8/18.1	737	523	SLD 11	3783	18240	20172	2.5	24.73	-861	-209	SLD 13	3786	12046	20009	2.5	14	Si
1542	3X/2Y Ø8/18.1	737	588	SLD 11	3783	18240	20172	2.5	24.73	-861	-143	SLD 13	3778	12046	20000	2.5	14	Si
1571	3X/2Y Ø8/18.1	737	654	SLD 11	3783	18240	20172	2.5	24.73	-861	-78	SLD 13	3770	12046	19992	2.5	14	Si
1600	3X/2Y Ø8/18.1	737	718	SLD 11	3783	18240	20172	2.5	24.73	-861	-14	SLD 13	3762	12046	19984	2.5	14	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1310	39059	-51979	-3	SLE RA 11	-27.5	39059	-51979	-3	SLE RA 11	502.8	Si
1339	32219	-42773	61	SLE RA 11	-13	32219	-42773	61	SLE RA 11	126.7	Si
1368	25259	-33405	126	SLE RA 11	-10.6	25259	-33405	126	SLE RA 11	105.4	Si
1397	17948	-23462	-38	SLE RA 13	-7.6	18299	-24037	191	SLE RA 11	77.5	Si
1426	11037	-14413	27	SLE RA 13	-4.6	11339	-14669	257	SLE RA 11	49.5	Si
1455	3389	-5164	-228	SLE RA 9	-1.8	4379	-5302	322	SLE RA 11	21.6	Si
1484	-3017	2151	-412	SLE RA 4	-1.3	-2892	4129	349	SLE RA 10	17.2	Si
1513	-10367	12256	185	SLE RA 12	-4	-9542	13434	452	SLE RA 11	46.8	Si
1542	-17639	20765	250	SLE RA 12	-6.8	-16502	22801	518	SLE RA 11	76.6	Si
1571	-24855	30614	545	SLE RA 10	-9.7	-23462	32169	583	SLE RA 11	106.4	Si
1600	-32049	39290	609	SLE RA 10	-12.4	-30302	41375	647	SLE RA 11	134.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1310	33160	-40776	-253	SLE QP 2	-13	Si
1339	27270	-33539	-188	SLE QP 2	-10.7	Si
1368	21277	-26175	-123	SLE QP 2	-8.8	Si
1397	15284	-18812	-58	SLE QP 2	-6.3	Si
1426	9291	-11448	7	SLE QP 2	-3.8	Si
1455	3298	-4084	73	SLE QP 2	-1.3	Si
1484	-2611	2915	47	SLE QP 1	-1	Si
1513	-8688	10643	203	SLE QP 2	-3.4	Si
1542	-14681	18007	268	SLE QP 2	-5.7	Si
1571	-20674	25370	334	SLE QP 2	-8.1	Si
1600	-26564	32607	398	SLE QP 2	-10.4	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

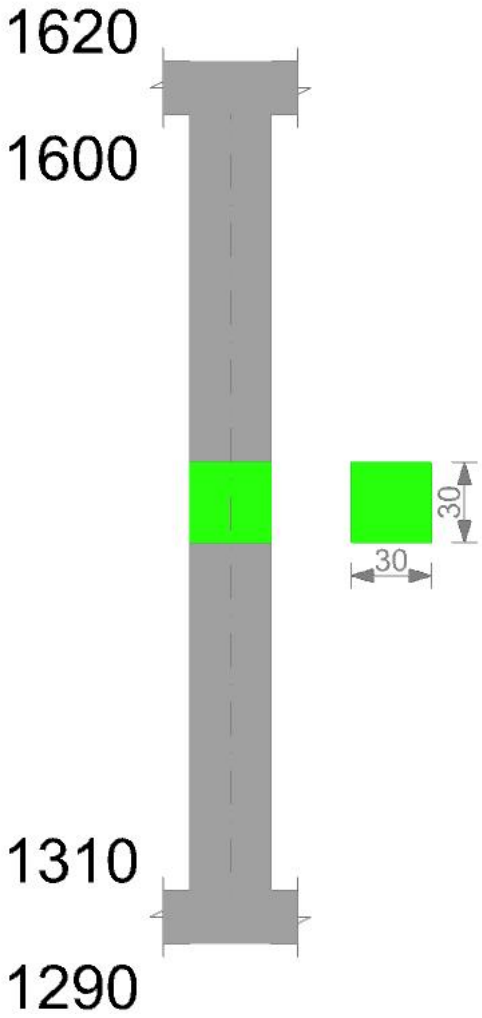
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata per il nodo Appoggio 1300 in quanto elemento di base della pilastrata.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.

Pilastro F10

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1310	1600	R 30x30	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.59	-9.59	1.8	2.545	1300	1310	R 30x30	B450C
p.1	9.59	-9.59	1.8	2.545	1300	1310	R 30x30	B450C
p.1	9.59	9.59	1.8	2.545	1300	1310	R 30x30	B450C
p.1	-9.59	9.59	1.8	2.545	1300	1310	R 30x30	B450C
p.2	-9.67	-9.67	1.6	2.011	1310	1600	R 30x30	B450C
p.2	9.67	-9.67	1.6	2.011	1310	1600	R 30x30	B450C
p.2	9.67	9.67	1.6	2.011	1310	1600	R 30x30	B450C
p.2	-9.67	9.67	1.6	2.011	1310	1600	R 30x30	B450C
p.3	-9.9	0	1.6	2.011	1290	1310	R 30x30	B450C
p.3	9.9	0	1.6	2.011	1290	1310	R 30x30	B450C
p.4	-9.9	0	1.6	2.011	1310.1	1620	R 30x30	B450C
p.4	9.9	0	1.6	2.011	1310.1	1620	R 30x30	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1310	14.2	2.5	0	1,2,3	-53371	-127525	-2692	-291358	-696174	SLU 51	5.459	Si
1339	13.62	2.9	0	1,2,3,4	-40305	-111962	-2607	-253093	-703070	SLU 51	6.28	Si
1368	12.06	1.3	0	2,4	-29118	-94085	-2308	-203309	-656914	SLU 49	6.982	Si
1397	12.06	1.3	0	2,4	-15751	-79146	-2223	-140532	-706130	SLU 49	8.922	Si
1426	12.06	1.3	0	2,4	-4277	-64207	-2138	-51303	-770261	SLU 49	11.996	Si
1455	12.06	1.3	0	2,4	12206	-49343	-2073	196738	-795315	SLU 50	16.118	Si
1484	12.06	1.3	0	2,4	25015	-34483	-1988	432135	-595697	SLU 50	17.275	Si
1513	12.06	1.3	0	2,4	37823	-19622	-1903	634000	-328907	SLU 50	16.762	Si
1542	12.06	1.3	0	2,4	51084	-4452	-1799	717904	-62567	SLU 49	14.053	Si
1571	12.06	1.3	0	2,4	64451	10487	-1714	659281	107270	SLU 49	10.229	Si
1600	13.56	1.8	0	2,4	77818	25426	-1629	630443	205984	SLU 49	8.101	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1310	14.2	2.5	0	1,2,3	-337761	30774	87	-2.02	1.92	-468629	42697	SLV 1	1.387				Si
1339	13.62	2.9	0	1,2,3,4	-284074	24784	152	-2.02	1.92	-448047	39090	SLV 1	1.577				Si
1368	12.06	1.3	0	2,4	-230391	18869	217	-2.02	1.92	-393349	32216	SLV 1	1.707				Si
1397	12.06	1.3	0	2,4	-176717	13085	282	-2.02	1.92	-392185	29039	SLV 1	2.219				Si
1426	12.06	1.3	0	2,4	123405	-80300	-3304	-2.02	1.92	387895	-252406	SLV 15	3.143				Si
1455	12.06	1.3	0	2,4	84276	-57887	-3239	-2.02	1.92	419497	-288141	SLV 15	4.978				Si
1484	12.06	1.3	0	2,4	45536	-36925	-3173	-2.02	1.92	433569	-351584	SLV 15	9.521				Si
1513	12.06	1.3	0	2,4	38448	6274	91	-2.02	1.92	375840	61328	SLV 3	9.775				Si
1542	12.06	1.3	0	2,4	92152	6314	609	-2.02	1.92	375655	25739	SLV 1	4.076				Si
1571	12.06	1.3	0	2,4	145732	18375	674	-2.02	1.92	374071	47165	SLV 1	2.567				Si
1600	13.56	1.8	0	2,4	199382	31637	739	-2.02	1.92	396298	62883	SLV 1	1.988				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1310	14.2	2.5	0	1,2,3	-149737	-25740	-1021	-481478	-82767	SLD 1	3.215	Si
1339	13.62	2.9	0	1,2,3,4	-124312	-23637	-956	-460981	-87654	SLD 1	3.708	Si
1368	12.06	1.3	0	2,4	-98889	-21508	-890	-407232	-88570	SLD 1	4.118	Si
1397	12.06	1.3	0	2,4	59339	-70920	-2262	318360	-380493	SLD 15	5.365	Si
1426	12.06	1.3	0	2,4	48403	-55687	-2196	341831	-393272	SLD 15	7.062	Si
1455	12.06	1.3	0	2,4	37491	-40691	-2131	371802	-403538	SLD 15	9.917	Si
1484	12.06	1.3	0	2,4	26757	-26276	-2066	400425	-393223	SLD 15	14.965	Si
1513	12.06	1.3	0	2,4	26738	-6930	-564	448128	-116143	SLD 1	16.76	Si
1542	12.06	1.3	0	2,4	53855	2009	-499	441301	16460	SLD 1	8.194	Si
1571	12.06	1.3	0	2,4	79231	12452	-434	404532	63575	SLD 1	5.106	Si
1600	13.56	1.8	0	2,4	104639	23314	-368	410808	91530	SLD 1	3.926	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	3X/2Y Ø8/18.1	537	-2692	SLU 51	4118	18240	20518	2.5	33.99	461	-2478	SLU 49	4066	12046	20298	2.5	26.13	Si
1339	3X/2Y Ø8/18.1	537	-2607	SLU 51	4108	18240	20507	2.5	33.99	461	-2393	SLU 49	4055	12046	20287	2.5	26.13	Si
1368	3X/2Y Ø8/18.1	537	-2522	SLU 51	4097	18240	20497	2.5	33.99	461	-2308	SLU 49	4045	12046	20276	2.5	26.13	Si
1397	3X/2Y Ø8/18.1	537	-2437	SLU 51	4087	18240	20486	2.5	33.99	461	-2223	SLU 49	4034	12046	20266	2.5	26.13	Si
1426	3X/2Y Ø8/18.1	537	-2352	SLU 51	4076	18240	20475	2.5	33.99	461	-2138	SLU 49	4024	12046	20255	2.5	26.13	Si
1455	3X/2Y Ø8/18.1	537	-2267	SLU 51	4066	18240	20464	2.5	33.99	461	-2053	SLU 49	4013	12046	20244	2.5	26.13	Si
1484	3X/2Y Ø8/18.1	537	-2183	SLU 51	4055	18240	20453	2.5	33.99	461	-1969	SLU 49	4003	12046	20233	2.5	26.13	Si
1513	3X/2Y Ø8/18.1	537	-2098	SLU 51	4044	18240	20442	2.5	33.99	461	-1884	SLU 49	3993	12046	20222	2.5	26.13	Si
1542	3X/2Y Ø8/18.1	537	-2013	SLU 51	4034	18240	20431	2.5	33.99	461	-1799	SLU 49	3982	12046	20211	2.5	26.13	Si
1571	3X/2Y Ø8/18.1	537	-1928	SLU 51	4023	18240	20420	2.5	33.99	461	-1714	SLU 49	3972	12046	20201	2.5	26.13	Si
1600	3X/2Y Ø8/18.1	537	-1843	SLU 51	4013	18240	20409	2.5	33.99	461	-1629	SLU 49	3961	12046	20190	2.5	26.13	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	3X/2Y Ø8/18.1	953	-2973	SLV 11	4153	18240	20555	2.5	19.13	1852	87	SLV 1	3760	12046	19982	2.5	6.51	Si
1339	3X/2Y Ø8/18.1	953	-2907	SLV 11	4145	18240	20546	2.5	19.13	1852	152	SLV 1	3760	12046	19982	2.5	6.51	Si
1368	3X/2Y Ø8/18.1	953	-2842	SLV 11	4137	18240	20538	2.5	19.13	1852	217	SLV 1	3760	12046	19982	2.5	6.51	Si
1397	3X/2Y Ø8/18.1	953	-2777	SLV 11	4129	18240	20529	2.5	19.13	1852	282	SLV 1	3760	12046	19982	2.5	6.51	Si
1426	3X/2Y Ø8/18.1	953	-2712	SLV 11	4121	18240	20521	2.5	19.13	1852	348	SLV 1	3760	12046	19982	2.5	6.51	Si
1455	3X/2Y Ø8/18.1	953	-2646	SLV 11	4113	18240	20513	2.5	19.13	1852	413	SLV 1	3760	12046	19982	2.5	6.51	Si
1484	3X/2Y Ø8/18.1	953	-2581	SLV 11	4105	18240	20504	2.5	19.13	1852	478	SLV 1	3760	12046	19982	2.5	6.51	Si
1513	3X/2Y Ø8/18.1	953	-2516	SLV 11	4096	18240	20496	2.5	19.13	1852	543	SLV 1	3760	12046	19982	2.5	6.51	Si
1542	3X/2Y Ø8/18.1	953	-2451	SLV 11	4088	18240	20487	2.5	19.13	1852	609	SLV 1	3760	12046	19982	2.5	6.51	Si
1571	3X/2Y Ø8/18.1	953	-2385	SLV 11	4080	18240	20479	2.5	19.13	1852	674	SLV 1	3760	12046	19982	2.5	6.51	Si
1600	3X/2Y Ø8/18.1	953	-2320	SLV 11	4072	18240	20471	2.5	19.13	1852	739	SLV 1	3760	12046	19982	2.5	6.51	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	3X/2Y Ø8/18.1	596	-2228	SLD 11	4061	18240	20459	2.5	30.59	877	-1021	SLD 1	3886	12046	20112	2.5	13.74	Si
1339	3X/2Y Ø8/18.1	596	-2162	SLD 11	4052	18240	20450	2.5	30.59	877	-956	SLD 1	3878	12046	20104	2.5	13.74	Si
1368	3X/2Y Ø8/18.1	596	-2097	SLD 11	4044	18240	20442	2.5	30.59	877	-890	SLD 1	3870	12046	20095	2.5	13.74	Si
1397	3X/2Y Ø8/18.1	596	-2032	SLD 11	4036	18240	20433	2.5	30.59	877	-825	SLD 1	3862	12046	20087	2.5	13.74	Si
1426	3X/2Y Ø8/18.1	596	-1967	SLD 11	4028	18240	20425	2.5	30.59	877	-760	SLD 1	3854	12046	20079	2.5	13.74	Si
1455	3X/2Y Ø8/18.1	596	-1901	SLD 11	4020	18240	20417	2.5	30.59	877	-695	SLD 1	3846	12046	20071	2.5	13.74	Si
1484	3X/2Y Ø8/18.1	596	-1836	SLD 11	4012	18240	20408	2.5	30.59	877	-629	SLD 1	3838	12046	20062	2.5	13.74	Si
1513	3X/2Y Ø8/18.1	596	-1771	SLD 11	4004	18240	20400	2.5	30.59	877	-564	SLD 1	3830	12046	20054	2.5	13.74	Si
1542	3X/2Y Ø8/18.1	596	-1706	SLD 11	3996	18240	20391	2.5	30.59	877	-499	SLD 1	3822	12046	20046	2.5	13.74	Si
1571	3X/2Y Ø8/18.1	596	-1640	SLD 11	3987	18240	20383	2.5	30.59	877	-434	SLD 1	3814	12046	20037	2.5	13.74	Si
1600	3X/2Y Ø8/18.1	596	-1575	SLD 11	3979	18240	20375	2.5	30.59	877	-368	SLD 1	3806	12046	20029	2.5	13.74	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1310	-38498	-89342	-1845	SLE RA 10	-38.8	-38498	-89342	-1845	SLE RA 10	635.7	Si
1339	-29198	-78543	-1780	SLE RA 10	-33	-29198	-78543	-1780	SLE RA 10	545.3	Si
1368	-19899	-67744	-1715	SLE RA 10	-28	-19899	-67744	-1715	SLE RA 10	477.9	Si
1397	-9547	-58073	-1792	SLE RA 12	-13.8	-9547	-58073	-1792	SLE RA 12	-141.9	Si
1426	739	-46856	-1740	SLE RA 13	-10.1	739	-46856	-1740	SLE RA 13	-106.3	Si
1455	9466	-35694	-1675	SLE RA 13	-9.7	9466	-35694	-1675	SLE RA 13	-101.8	Si
1484	18192	-24531	-1609	SLE RA 13	-9.3	18192	-24531	-1609	SLE RA 13	-97.8	Si
1513	26918	-13369	-1544	SLE RA 13	-8.9	26918	-13369	-1544	SLE RA 13	-93.9	Si
1542	35896	-2951	-1323	SLE RA 10	-8.6	35946	-2000	-1466	SLE RA 12	-89.9	Si
1571	45045	9215	-1401	SLE RA 12	-11.5	45045	9215	-1401	SLE RA 12	-118.1	Si
1600	54143	20429	-1335	SLE RA 12	-15	54143	20429	-1335	SLE RA 12	-151.3	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1310	-28777	-71386	-1739	SLE QP 2	-30.2	Si
1339	-21539	-62632	-1674	SLE QP 2	-16.3	Si
1368	-14302	-53879	-1609	SLE QP 2	-13.8	Si
1397	-7065	-45125	-1543	SLE QP 2	-10.8	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
1426	172	-36372	-1478	SLE QP 2	-7.8	Si
1455	7409	-27618	-1413	SLE QP 2	-7.6	Si
1484	14646	-18865	-1348	SLE QP 2	-7.4	Si
1513	21883	-10111	-1282	SLE QP 2	-7.1	Si
1542	29121	-1358	-1217	SLE QP 2	-6.9	Si
1571	36358	7396	-1152	SLE QP 2	-9.3	Si
1600	43595	16150	-1087	SLE QP 2	-12	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

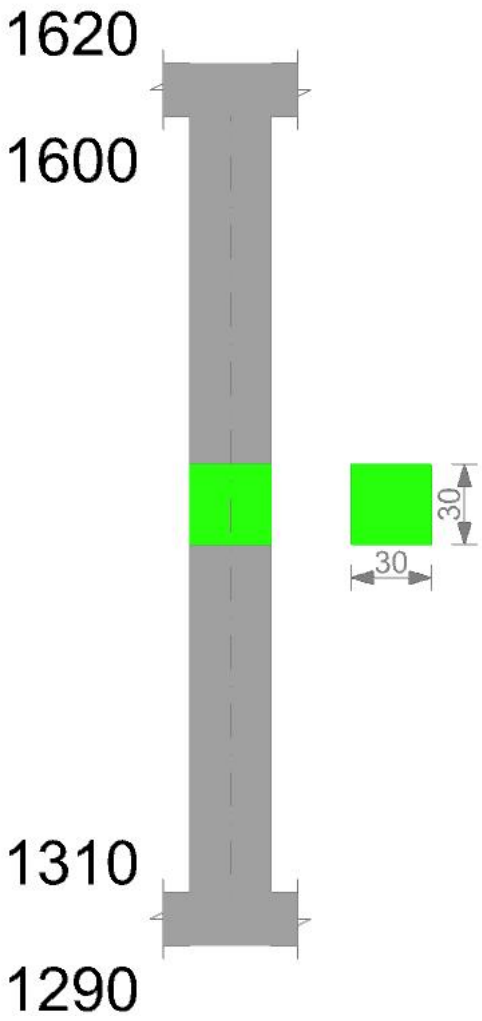
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata per il nodo Appoggio 1300 in quanto elemento di base della pilastrata.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.

Pilastro F11

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1310	1600	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.59	-9.59	1.8	2.545	1300	1310	R 30x30_1	B450C
p.1	9.59	-9.59	1.8	2.545	1300	1310	R 30x30_1	B450C
p.1	9.59	9.59	1.8	2.545	1300	1310	R 30x30_1	B450C
p.1	-9.59	9.59	1.8	2.545	1300	1310	R 30x30_1	B450C
p.2	-9.67	-9.67	1.6	2.011	1310	1600	R 30x30_1	B450C
p.2	9.67	-9.67	1.6	2.011	1310	1600	R 30x30_1	B450C
p.2	9.67	9.67	1.6	2.011	1310	1600	R 30x30_1	B450C

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.2	-9.67	9.67	1.6	2.011	1310	1600	R 30x30 1	B450C
p.3	-9.9	0	1.6	2.011	1290	1310	R 30x30 1	B450C
p.3	9.9	0	1.6	2.011	1290	1310	R 30x30 1	B450C
p.4	-9.9	0	1.6	2.011	1310.1	1620	R 30x30 1	B450C
p.4	9.9	0	1.6	2.011	1310.1	1620	R 30x30 1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1310	14.2	2.5	0	1,2,3	16581	67859	-5793	224111	917214	SLU 52	13.516	Si
1339	13.62	2.9	0	1,2,3,4	24079	56051	-5708	340176	791869	SLU 52	14.128	Si
1368	12.06	1.3	0	2,4	31576	44242	-5623	450569	631297	SLU 52	14.269	Si
1397	12.06	1.3	0	2,4	39074	32433	-5538	578392	480092	SLU 52	14.802	Si
1426	12.06	1.3	0	2,4	46572	20625	-5454	699247	309667	SLU 52	15.014	Si
1455	12.06	1.3	0	2,4	54070	10738	-5369	790528	156989	SLU 52	14.62	Si
1484	12.06	1.3	0	2,4	61568	-10568	-5284	808280	-138739	SLU 52	13.128	Si
1513	12.06	1.3	0	2,4	69677	-13480	-4865	792090	-153240	SLU 49	11.368	Si
1542	12.06	1.3	0	2,4	77958	-24936	-4780	727595	-232729	SLU 49	9.333	Si
1571	12.06	1.3	0	2,4	86239	-36391	-4695	676706	-285559	SLU 49	7.847	Si
1600	13.56	1.8	0	2,4	94520	-47847	-4611	647852	-327951	SLU 49	6.854	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1310	14.2	2.5	0	1,2,3	319233	140426	-5833	-2.02	1.92	467785	205771	SLV 13	1.465				Si
1339	13.62	2.9	0	1,2,3,4	270735	115112	-5768	-2.02	1.92	464781	197618	SLV 13	1.717				Si
1368	12.06	1.3	0	2,4	222237	89800	-5702	-2.02	1.92	435563	175999	SLV 13	1.96				Si
1397	12.06	1.3	0	2,4	173740	64490	-5637	-2.02	1.92	472468	175374	SLV 13	2.719				Si
1426	12.06	1.3	0	2,4	125245	39190	-5572	-2.02	1.92	549812	172038	SLV 13	4.39				Si
1455	12.06	1.3	0	2,4	76760	13998	-5507	-2.02	1.92	627129	114365	SLV 13	8.17				Si
1484	12.06	1.3	0	2,4	41809	-5410	-673	-2.02	1.92	453921	-58736	SLV 3	10.857				Si
1513	12.06	1.3	0	2,4	100263	-17843	-608	-2.02	1.92	403115	-71741	SLV 3	4.021				Si
1542	12.06	1.3	0	2,4	158703	-30347	-543	-2.02	1.92	391278	-74821	SLV 3	2.465				Si
1571	12.06	1.3	0	2,4	217149	-42859	-478	-2.02	1.92	385989	-76183	SLV 3	1.778				Si
1600	13.56	1.8	0	2,4	275596	-55372	-412	-2.02	1.92	401441	-80657	SLV 3	1.457				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1310	14.2	2.5	0	1,2,3	128890	83606	-4390	477326	309622	SLD 13	3.703	Si
1339	13.62	2.9	0	1,2,3,4	112796	68635	-4325	487268	296500	SLD 13	4.32	Si
1368	12.06	1.3	0	2,4	96702	53666	-4259	475038	263629	SLD 13	4.912	Si
1397	12.06	1.3	0	2,4	80608	38697	-4194	511703	245652	SLD 13	6.348	Si
1426	12.06	1.3	0	2,4	64515	23732	-4129	555769	204438	SLD 13	8.615	Si
1455	12.06	1.3	0	2,4	48426	8804	-4064	630784	114676	SLD 13	13.026	Si
1484	12.06	1.3	0	2,4	37023	-6272	-2364	629509	-106638	SLD 1	17.003	Si
1513	12.06	1.3	0	2,4	63764	-12723	-2051	516862	-103128	SLD 3	8.106	Si
1542	12.06	1.3	0	2,4	89805	-21971	-1986	455861	-111528	SLD 3	5.076	Si
1571	12.06	1.3	0	2,4	115848	-31222	-1921	426928	-115061	SLD 3	3.685	Si
1600	13.56	1.8	0	2,4	141892	-40474	-1855	427874	-122049	SLD 3	3.015	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	3X/2Y Ø8/18.1	-408	-5781	SLU 51	4503	18240	20916	2.5	44.72	286	-5459	SLU 49	4433	12046	20678	2.5	42.18	Si
1339	3X/2Y Ø8/18.1	-408	-5696	SLU 51	4492	18240	20905	2.5	44.72	286	-5374	SLU 49	4423	12046	20668	2.5	42.18	Si
1368	3X/2Y Ø8/18.1	-408	-5611	SLU 51	4482	18240	20894	2.5	44.72	286	-5289	SLU 49	4413	12046	20657	2.5	42.18	Si
1397	3X/2Y Ø8/18.1	-408	-5526	SLU 51	4471	18240	20883	2.5	44.72	286	-5204	SLU 49	4402	12046	20646	2.5	42.18	Si
1426	3X/2Y Ø8/18.1	-408	-5441	SLU 51	4461	18240	20873	2.5	44.72	286	-5120	SLU 49	4392	12046	20635	2.5	42.18	Si
1455	3X/2Y Ø8/18.1	-408	-5356	SLU 51	4450	18240	20862	2.5	44.72	286	-5035	SLU 49	4381	12046	20624	2.5	42.18	Si
1484	3X/2Y Ø8/18.1	-408	-5272	SLU 51	4440	18240	20851	2.5	44.72	286	-4950	SLU 49	4371	12046	20613	2.5	42.18	Si
1513	3X/2Y Ø8/18.1	-408	-5187	SLU 51	4429	18240	20840	2.5	44.72	286	-4865	SLU 49	4360	12046	20603	2.5	42.18	Si
1542	3X/2Y Ø8/18.1	-408	-5102	SLU 51	4418	18240	20829	2.5	44.72	286	-4780	SLU 49	4350	12046	20592	2.5	42.18	Si
1571	3X/2Y Ø8/18.1	-408	-5017	SLU 51	4408	18240	20818	2.5	44.72	286	-4695	SLU 49	4339	12046	20581	2.5	42.18	Si
1600	3X/2Y Ø8/18.1	-408	-4932	SLU 51	4397	18240	20807	2.5	44.72	286	-4611	SLU 49	4329	12046	20570	2.5	42.18	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	3X/2Y Ø8/18.1	-1088	-3870	SLV 5	4265	18240	20670	2.5	16.77	2015	-1065	SLV 3	3892	12046	20118	2.5	5.98	Si
1339	3X/2Y Ø8/18.1	-1088	-3805	SLV 5	4257	18240	20662	2.5	16.77	2015	-1000	SLV 3	3884	12046	20109	2.5	5.98	Si
1368	3X/2Y Ø8/18.1	-1088	-3740	SLV 5	4249	18240	20653	2.5	16.77	2015	-934	SLV 3	3875	12046	20101	2.5	5.98	Si
1397	3X/2Y Ø8/18.1	-1088	-3675	SLV 5	4241	18240	20645	2.5	16.77	2015	-869	SLV 3	3867	12046	20093	2.5	5.98	Si
1426	3X/2Y Ø8/18.1	-1088	-3609	SLV 5	4233	18240	20637	2.5	16.77	2015	-804	SLV 3	3859	12046	20084	2.5	5.98	Si
1455	3X/2Y Ø8/18.1	-1088	-3544	SLV 5	4224	18240	20628	2.5	16.77	2015	-739	SLV 3	3851	12046	20076	2.5	5.98	Si
1484	3X/2Y Ø8/18.1	-1088	-3479	SLV 5	4216	18240	20620	2.5	16.77	2015	-673	SLV 3	3843	12046	20068	2.5	5.98	Si
1513	3X/2Y Ø8/18.1	-1088	-3414	SLV 5	4208	18240	20611	2.5	16.77	2015	-608	SLV 3	3835	12046	20059	2.5	5.98	Si
1542	3X/2Y Ø8/18.1	-1088	-3348	SLV 5	4200	18240	20603	2.5	16.77	2015	-543	SLV 3	3827	12046	20051	2.5	5.98	Si
1571	3X/2Y Ø8/18.1	-1088	-3283	SLV 5	4192	18240	20595	2.5	16.77	2015	-478	SLV 3	3819	12046	20043	2.5	5.98	Si
1600	3X/2Y Ø8/18.1	-1088	-3218	SLV 5	4184	18240	20586	2.5	16.77	2015	-412	SLV 3	3811	12046	20035	2.5	5.98	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	3X/2Y Ø8/18.1	-611	-3617	SLD 5	4233	18240	20637	2.5	29.88	898	-2508	SLD 3	4070	12046	20302	2.5	13.41	Si
1339	3X/2Y Ø8/18.1	-611	-3551	SLD 5	4225	18240	20629	2.5	29.88	898	-2443	SLD 3	4061	12046	20294	2.5	13.41	Si
1368	3X/2Y Ø8/18.1	-611	-3486	SLD 5	4217	18240	20621	2.5	29.88	898	-2377	SLD 3	4053	12046	20285	2.5	13.41	Si
1397	3X/2Y Ø8/18.1	-611	-3421	SLD 5	4209	18240	20612	2.5	29.88	898	-2312	SLD 3	4045	12046	20277	2.5	13.41	Si
1426	3X/2Y Ø8/18.1	-611	-3356	SLD 5	4201	18240	20604	2.5	29.88	898	-2247	SLD 3	4037	12046	20269	2.5	13.41	Si
1455	3X/2Y Ø8/18.1	-611	-3290	SLD 5	4193	18240	20595	2.5	29.88	898	-2182	SLD 3	4029	12046	20260	2.5	13.41	Si
1484	3X/2Y Ø8/18.1	-611	-3225	SLD 5	4185	18240	20587	2.5	29.88	898	-2116	SLD 3	4021	12046	20252	2.5	13.41	Si

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1513	3X/2Y Ø8/18.1	-611	-3160	SLD 5	4177	18240	20579	2.5	29.88	898	-2051	SLD 3	4013	12046	20244	2.5	13.41	Si
1542	3X/2Y Ø8/18.1	-611	-3095	SLD 5	4169	18240	20570	2.5	29.88	898	-1986	SLD 3	4005	12046	20235	2.5	13.41	Si
1571	3X/2Y Ø8/18.1	-611	-3029	SLD 5	4160	18240	20562	2.5	29.88	898	-1921	SLD 3	3997	12046	20227	2.5	13.41	Si
1600	3X/2Y Ø8/18.1	-611	-2964	SLD 5	4152	18240	20553	2.5	29.88	898	-1855	SLD 3	3989	12046	20219	2.5	13.41	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1310	11675	48014	-4146	SLE RA 13	-14.1	11675	48014	-4146	SLE RA 13	-155.5	Si
1339	16979	39644	-4081	SLE RA 13	-13.7	16979	39644	-4081	SLE RA 13	-152.1	Si
1368	22282	31274	-4016	SLE RA 13	-13.5	22282	31274	-4016	SLE RA 13	-150.3	Si
1397	27586	22904	-3951	SLE RA 13	-13	27586	22904	-3951	SLE RA 13	-144.8	Si
1426	32889	14534	-3885	SLE RA 13	-12.4	32889	14534	-3885	SLE RA 13	-139.3	Si
1455	38193	6164	-3820	SLE RA 13	-11.9	38193	6164	-3820	SLE RA 13	-133.9	Si
1484	43508	-2236	-3747	SLE RA 12	-12.1	43496	-2206	-3755	SLE RA 13	-135.9	Si
1513	48979	-10620	-3681	SLE RA 12	-14.6	48979	-10620	-3681	SLE RA 12	-159.4	Si
1542	54450	-19004	-3616	SLE RA 12	-17.1	54450	-19004	-3616	SLE RA 12	-182.9	Si
1571	59920	-27387	-3551	SLE RA 12	-19.5	59920	-27387	-3551	SLE RA 12	-206.5	Si
1600	66683	-34100	-3271	SLE RA 10	-33.8	66683	-34100	-3271	SLE RA 10	463.9	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1310	5166	36945	-3449	SLE QP 2	-10.4	Si
1339	10141	30457	-3384	SLE QP 2	-10.2	Si
1368	15116	23969	-3318	SLE QP 2	-10.2	Si
1397	20091	17481	-3253	SLE QP 2	-9.9	Si
1426	25066	10994	-3188	SLE QP 2	-9.7	Si
1455	30041	4506	-3123	SLE QP 2	-9.4	Si
1484	35016	-1982	-3057	SLE QP 2	-9.8	Si
1513	39991	-8470	-2992	SLE QP 2	-11.9	Si
1542	44966	-14958	-2927	SLE QP 2	-13.9	Si
1571	49941	-21446	-2862	SLE QP 2	-16	Si
1600	54916	-27933	-2796	SLE QP 2	-17.9	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

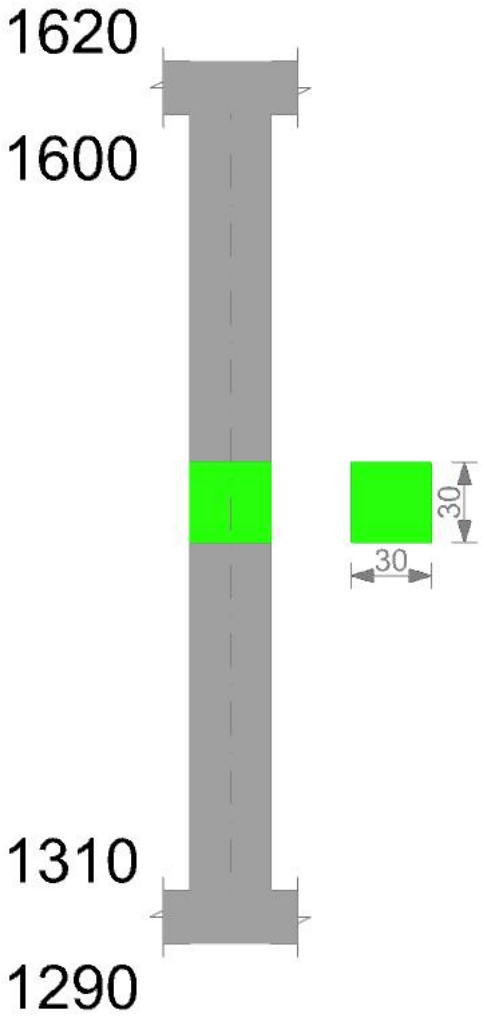
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1300 in quanto elemento di base della pilastrata.
per il nodo Appoggio 1610 in quanto nodo interno a piastra.

Pilastro F12

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1310	1600	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.59	-9.59	1.8	2.545	1300	1310	R 30x30_1	B450C
p.1	9.59	-9.59	1.8	2.545	1300	1310	R 30x30_1	B450C
p.1	9.59	9.59	1.8	2.545	1300	1310	R 30x30_1	B450C
p.1	-9.59	9.59	1.8	2.545	1300	1310	R 30x30_1	B450C
p.2	-9.67	-9.67	1.6	2.011	1310	1600	R 30x30_1	B450C
p.2	9.67	-9.67	1.6	2.011	1310	1600	R 30x30_1	B450C
p.2	9.67	9.67	1.6	2.011	1310	1600	R 30x30_1	B450C
p.2	-9.67	9.67	1.6	2.011	1310	1600	R 30x30_1	B450C
p.3	-9.9	0	1.6	2.011	1290	1310	R 30x30_1	B450C
p.3	9.9	0	1.6	2.011	1290	1310	R 30x30_1	B450C
p.4	-9.9	0	1.6	2.011	1310.1	1620	R 30x30_1	B450C
p.4	9.9	0	1.6	2.011	1310.1	1620	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1310	14.2	2.5	0	1,2,3	-5689	-12809	-763	-356131	-801930	SLU 23	62.605	Si
1339	13.62	2.9	0	1,2,3,4	4742	-11136	-856	345861	-812318	SLU 26	72.942	Si
1368	12.06	1.3	0	2,4	11645	-10129	-791	544162	-473331	SLU 26	46.731	Si
1397	12.06	1.3	0	2,4	17426	-10152	-559	569750	-331933	SLU 24	32.696	Si
1426	12.06	1.3	0	2,4	26575	-8313	-695	618674	-193521	SLU 50	23.28	Si
1455	12.06	1.3	0	2,4	34736	-7494	-611	601351	-129737	SLU 50	17.312	Si
1484	12.06	1.3	0	2,4	42897	-6675	-526	585395	-91096	SLU 50	13.646	Si
1513	12.06	1.3	0	2,4	51059	-5857	-441	570776	-65474	SLU 50	11.179	Si
1542	12.06	1.3	0	2,4	59460	-5075	-365	558549	-47671	SLU 49	9.394	Si
1571	12.06	1.3	0	2,4	67785	-4358	-280	548105	-35236	SLU 49	8.086	Si
1600	13.56	1.8	0	2,4	76109	-3641	-195	596455	-28530	SLU 49	7.837	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1310	14.2	2.5	0	1,2,3	-266223	30184	-302	-2.02	1.92	-469956	53284	SLV 3	1.765				Si
1339	13.62	2.9	0	1,2,3,4	-222096	24886	-237	-2.02	1.92	-449810	50402	SLV 3	2.025				Si
1368	12.06	1.3	0	2,4	187891	-28214	-1256	-2.02	1.92	410403	-61627	SLV 13	2.184				Si
1397	12.06	1.3	0	2,4	153495	-22434	-1191	-2.02	1.92	415345	-60705	SLV 13	2.706				Si
1426	12.06	1.3	0	2,4	119129	-16665	-1126	-2.02	1.92	423229	-59206	SLV 13	3.553				Si
1455	12.06	1.3	0	2,4	84851	-10932	-1060	-2.02	1.92	438078	-56440	SLV 13	5.163				Si
1484	12.06	1.3	0	2,4	51133	4557	-995	-2.02	1.92	478493	42646	SLV 13	9.358				Si
1513	12.06	1.3	0	2,4	44088	-10636	-94	-2.02	1.92	378691	-91357	SLV 1	8.589				Si
1542	12.06	1.3	0	2,4	87535	-12389	220	-2.02	1.92	378759	-53608	SLV 3	4.327				Si
1571	12.06	1.3	0	2,4	131465	-17649	285	-2.02	1.92	381056	-51155	SLV 3	2.899				Si
1600	13.56	1.8	0	2,4	175524	-22933	350	-2.02	1.92	401090	-52403	SLV 3	2.285				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1310	14.2	2.5	0	1,2,3	-108595	10684	-624	-493426	48544	SLD 3	4.544	Si
1339	13.62	2.9	0	1,2,3,4	88333	-17597	-1000	474602	-94545	SLD 13	5.373	Si
1368	12.06	1.3	0	2,4	77580	-14909	-935	423894	-81462	SLD 13	5.464	Si
1397	12.06	1.3	0	2,4	66834	-12223	-869	429633	-78573	SLD 13	6.428	Si
1426	12.06	1.3	0	2,4	56102	-9541	-804	437657	-74428	SLD 13	7.801	Si
1455	12.06	1.3	0	2,4	45414	-6872	-739	449970	-68086	SLD 13	9.908	Si
1484	12.06	1.3	0	2,4	35001	143	-674	496044	2033	SLD 13	14.172	Si
1513	12.06	1.3	0	2,4	35371	-6383	-273	408906	-73794	SLD 1	11.561	Si
1542	12.06	1.3	0	2,4	55495	-6984	-102	396451	-49895	SLD 3	7.144	Si
1571	12.06	1.3	0	2,4	75867	-9169	-37	392414	-47427	SLD 3	5.172	Si
1600	13.56	1.8	0	2,4	96301	-11364	29	409101	-48274	SLD 3	4.248	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	3X/2Y Ø8/18.1	40	-765	SLU 19	3878	18240	20270	2.5	458.21	287	-1043	SLU 49	3889	12046	20115	2.5	41.96	Si
1339	3X/2Y Ø8/18.1	40	-699	SLU 19	3870	18240	20262	2.5	458.21	287	-959	SLU 49	3878	12046	20104	2.5	41.96	Si
1368	3X/2Y Ø8/18.1	40	-634	SLU 19	3862	18240	20253	2.5	458.21	287	-874	SLU 49	3868	12046	20093	2.5	41.96	Si
1397	3X/2Y Ø8/18.1	40	-569	SLU 19	3854	18240	20245	2.5	458.21	287	-789	SLU 49	3858	12046	20083	2.5	41.96	Si
1426	3X/2Y Ø8/18.1	40	-504	SLU 19	3846	18240	20237	2.5	458.21	287	-704	SLU 49	3847	12046	20072	2.5	41.96	Si
1455	3X/2Y Ø8/18.1	40	-438	SLU 19	3838	18240	20228	2.5	458.21	287	-619	SLU 49	3837	12046	20061	2.5	41.96	Si
1484	3X/2Y Ø8/18.1	40	-373	SLU 19	3830	18240	20220	2.5	458.21	287	-534	SLU 49	3826	12046	20050	2.5	41.96	Si
1513	3X/2Y Ø8/18.1	40	-308	SLU 19	3822	18240	20211	2.5	458.21	287	-450	SLU 49	3816	12046	20039	2.5	41.96	Si
1542	3X/2Y Ø8/18.1	40	-243	SLU 19	3813	18240	20203	2.5	458.21	287	-365	SLU 49	3805	12046	20028	2.5	41.96	Si
1571	3X/2Y Ø8/18.1	40	-177	SLU 19	3805	18240	20195	2.5	458.21	287	-280	SLU 49	3795	12046	20018	2.5	41.96	Si
1600	3X/2Y Ø8/18.1	40	-112	SLU 19	3797	18240	20186	2.5	458.21	287	-195	SLU 49	3784	12046	20007	2.5	41.96	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	3X/2Y Ø8/18.1	670	-556	SLV 11	3852	18240	20243	2.5	27.24	1522	-302	SLV 3	3798	12046	20020	2.5	7.91	Si
1339	3X/2Y Ø8/18.1	670	-491	SLV 11	3844	18240	20235	2.5	27.24	1522	-237	SLV 3	3789	12046	20012	2.5	7.91	Si
1368	3X/2Y Ø8/18.1	670	-425	SLV 11	3836	18240	20226	2.5	27.24	1522	-172	SLV 3	3781	12046	20004	2.5	7.91	Si
1397	3X/2Y Ø8/18.1	670	-360	SLV 11	3828	18240	20218	2.5	27.24	1522	-107	SLV 3	3773	12046	19996	2.5	7.91	Si
1426	3X/2Y Ø8/18.1	670	-295	SLV 11	3820	18240	20210	2.5	27.24	1522	-41	SLV 3	3765	12046	19987	2.5	7.91	Si
1455	3X/2Y Ø8/18.1	670	-230	SLV 11	3812	18240	20201	2.5	27.24	1522	24	SLV 3	3760	12046	19982	2.5	7.91	Si
1484	3X/2Y Ø8/18.1	670	-164	SLV 11	3804	18240	20193	2.5	27.24	1522	89	SLV 3	3760	12046	19982	2.5	7.91	Si
1513	3X/2Y Ø8/18.1	670	-99	SLV 11	3796	18240	20184	2.5	27.24	1522	154	SLV 3	3760	12046	19982	2.5	7.91	Si
1542	3X/2Y Ø8/18.1	670	-34	SLV 11	3787	18240	20176	2.5	27.24	1522	220	SLV 3	3760	12046	19982	2.5	7.91	Si
1571	3X/2Y Ø8/18.1	670	31	SLV 11	3783	18240	20172	2.5	27.24	1522	285	SLV 3	3760	12046	19982	2.5	7.91	Si
1600	3X/2Y Ø8/18.1	670	97	SLV 11	3783	18240	20172	2.5	27.24	1522	350	SLV 3	3760	12046	19982	2.5	7.91	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1310	3X/2Y Ø8/18.1	305	-719	SLD 11	3873	18240	20264	2.5	59.84	706	-624	SLD 3	3837	12046	20061	2.5	17.06	Si
1339	3X/2Y Ø8/18.1	305	-654	SLD 11	3865	18240	20256	2.5	59.84	706	-559	SLD 3	3829	12046	20053	2.5	17.06	Si
1368	3X/2Y Ø8/18.1	305	-589	SLD 11	3856	18240	20248	2.5	59.84	706	-493	SLD 3	3821	12046	20045	2.5	17.06	Si
1397	3X/2Y Ø8/18.1	305	-523	SLD 11	3848	18240	20239	2.5	59.84	706	-428	SLD 3	3813	12046	20037	2.5	17.06	Si
1426	3X/2Y Ø8/18.1	305	-458	SLD 11	3840	18240	20231	2.5	59.84	706	-363	SLD 3	3805	12046	20028	2.5	17.06	Si
1455	3X/2Y Ø8/18.1	305	-393	SLD 11	3832	18240	20222	2.5	59.84	706	-298	SLD 3	3797	12046	20020	2.5	17.06	Si
1484	3X/2Y Ø8/18.1	305	-328	SLD 11	3824	18240	20214	2.5	59.84	706	-232	SLD 3	3789	12046	20012	2.5	17.06	Si
1513	3X/2Y Ø8/18.1	305	-262	SLD 11	3816	18240	20205	2.5	59.84	706	-167	SLD 3	3781	12046	20003	2.5	17.06	Si
1542	3X/2Y Ø8/18.1	305	-197	SLD 11	3808	18240	20197	2.5	59.84	706	-102	SLD 3	3773	12046	19995	2.5	17.06	Si
1571	3X/2Y Ø8/18.1	305	-132	SLD 11	3800	18240	20189	2.5	59.84	706	-37	SLD 3	3765	12046	19987	2.5	17.06	Si
1600	3X/2Y Ø8/18.1	305	-67	SLD 11	3792	18240	20180	2.5	59.84	706	29	SLD 3	3760	12046	19982	2.5	17.06	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1310	-5397	-6320	-820	SLE RA 10	-2.8	-5397	-6320	-820	SLE RA 10	-31	Si
1339	3626	-4084	-981	SLE RA 9	-2.3	3626	-4084	-981	SLE RA 9	-26.7	Si
1368	7960	-5256	-795	SLE RA 13	-3.2	8378	-3903	-916	SLE RA 9	-34.8	Si
1397	13463	-4946	-729	SLE RA 13	-4.1	13463	-4946	-729	SLE RA 13	-43.4	Si
1426	18965	-4636	-664	SLE RA 13	-5	18965	-4636	-664	SLE RA 13	-52.1	Si
1455	24468	-4326	-599	SLE RA 13	-6	24468	-4326	-599	SLE RA 13	-60.8	Si
1484	29971	-4016	-534	SLE RA 13	-6.9	29971	-4016	-534	SLE RA 13	-69.4	Si
1513	35971	-3986	-363	SLE RA 10	-7.9	35525	-3663	-474	SLE RA 12	-78.2	Si
1542	41881	-3653	-298	SLE RA 10	-8.9	41881	-3653	-298	SLE RA 10	-87.5	Si
1571	47790	-3319	-233	SLE RA 10	-9.9	47790	-3319	-233	SLE RA 10	-96.9	Si
1600	53700	-2986	-167	SLE RA 10	-10.9	53700	-2986	-167	SLE RA 10	-106.5	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1310	-4752	-4801	-845	SLE QP 2	-2.5	Si
1339	102	-4556	-779	SLE QP 2	-1.5	Si
1368	4957	-4312	-714	SLE QP 2	-2.4	Si
1397	9811	-4067	-649	SLE QP 2	-3.2	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
1426	14666	-3823	-584	SLE QP 2	-4	Si
1455	19520	-3578	-518	SLE QP 2	-4.8	Si
1484	24375	-3334	-453	SLE QP 2	-5.7	Si
1513	29229	-3089	-388	SLE QP 2	-6.5	Si
1542	34084	-2845	-323	SLE QP 2	-7.3	Si
1571	38938	-2600	-257	SLE QP 2	-8.1	Si
1600	43793	-2356	-192	SLE QP 2	-9	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

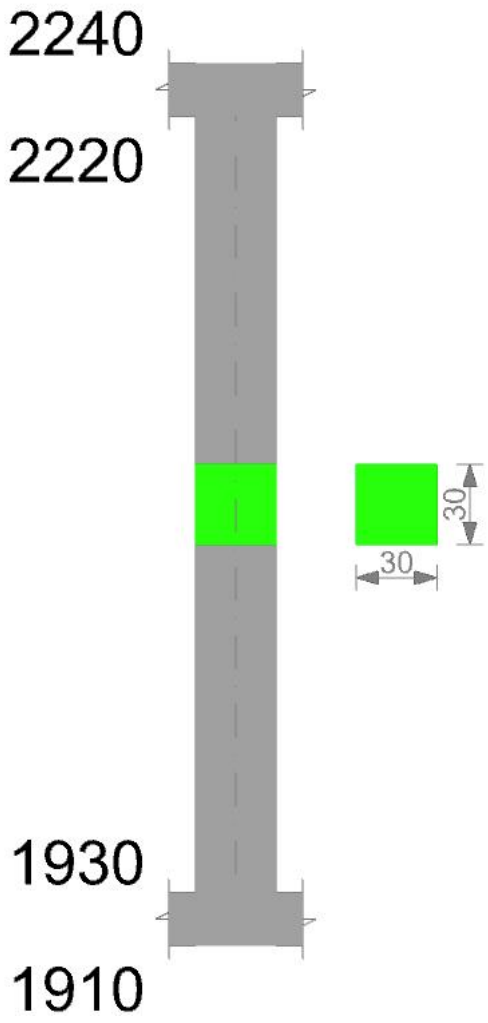
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1610 in quanto nodo interno a piastra.
per il nodo Appoggio 1300 in quanto elemento di base della pilastrata.

Pilastro H12

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1930	2220	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.1	9.67	-9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.1	9.67	9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.1	-9.67	9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.2	-9.9	0	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.2	9.9	0	1.6	2.011	1930.1	2240	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	8.04	0.9	0	1	-150755	-176024	-4724	-338783	-395570	SLU 52	2.247	Si
1959	10.34	1.3	0	1,2	-124466	-164024	-4641	-363376	-478867	SLU 52	2.919	Si
1988	12.06	1.3	0	1,2	-98940	-148564	-4177	-367215	-551396	SLU 50	3.712	Si
2017	12.06	1.3	0	1,2	-73055	-136903	-4092	-325558	-610090	SLU 50	4.456	Si
2046	12.06	1.3	0	1,2	-47170	-125242	-4007	-257535	-683794	SLU 50	5.46	Si
2075	12.06	1.3	0	1,2	-21284	-113581	-3922	-142512	-760495	SLU 50	6.696	Si
2104	12.06	1.3	0	1,2	7675	-101921	-3838	61097	-811337	SLU 50	7.96	Si
2133	12.06	1.3	0	1,2	36035	-90762	-4132	289410	-728943	SLU 52	8.031	Si
2162	12.06	1.3	0	1,2	62785	-78551	-4047	446211	-558263	SLU 52	7.107	Si
2191	12.06	1.3	0	1,2	89535	-66341	-3962	547597	-405742	SLU 52	6.116	Si
2220	16.59	2.7	0	1,2	115824	-54341	-3879	727058	-341114	SLU 52	6.277	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1930	8.04	0.9	0	1	-104010	-281967	-3538	-2.02	1.92	-121393	-329090	SLV 11	1.167				Si
1959	10.34	1.3	0	1,2	-163886	-223573	-3622	-2.02	1.92	-240872	-328597	SLV 3	1.47				Si
1988	12.06	1.3	0	1,2	-128978	-190127	-3557	-2.02	1.92	-260677	-384265	SLV 3	2.021				Si
2017	12.06	1.3	0	1,2	-94122	-154732	-3491	-2.02	1.92	-254317	-418085	SLV 3	2.702				Si
2046	12.06	1.3	0	1,2	-59407	-119487	-3426	-2.02	1.92	-238728	-480160	SLV 3	4.018				Si
2075	12.06	1.3	0	1,2	-25383	-85344	-3361	-2.02	1.92	-184605	-620681	SLV 3	7.273				Si
2104	12.06	1.3	0	1,2	14893	-69548	-1832	-2.02	1.92	124313	-580533	SLV 5	8.347				Si
2133	12.06	1.3	0	1,2	41422	-93363	-1767	-2.02	1.92	202431	-456263	SLV 5	4.887				Si
2162	12.06	1.3	0	1,2	70012	-115962	-1702	-2.02	1.92	236637	-391945	SLV 5	3.38				Si
2191	12.06	1.3	0	1,2	99062	-138666	-1636	-2.02	1.92	252862	-353955	SLV 5	2.553				Si
2220	16.59	2.7	0	1,2	150898	-147751	-2541	-2.02	1.92	387771	-379683	SLV 1	2.57				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	8.04	0.9	0	1	-89062	-181332	-3147	-159066	-323861	SLD 11	1.786	Si
1959	10.34	1.3	0	1,2	-107171	-153474	-3162	-244086	-349544	SLD 3	2.278	Si
1988	12.06	1.3	0	1,2	-84125	-134400	-3097	-259402	-414428	SLD 3	3.084	Si
2017	12.06	1.3	0	1,2	-61099	-114469	-3032	-244433	-457942	SLD 3	4.001	Si
2046	12.06	1.3	0	1,2	-38130	-94601	-2966	-213301	-529197	SLD 3	5.594	Si
2075	12.06	1.3	0	1,2	-15436	-75191	-2901	-136921	-666961	SLD 3	8.87	Si
2104	12.06	1.3	0	1,2	9795	-63644	-2222	102864	-668385	SLD 5	10.502	Si
2133	12.06	1.3	0	1,2	29224	-69001	-2157	220419	-520426	SLD 5	7.542	Si
2162	12.06	1.3	0	1,2	49544	-73842	-2092	281349	-419330	SLD 5	5.679	Si
2191	12.06	1.3	0	1,2	77693	-75573	-2436	340478	-331185	SLD 1	4.382	Si
2220	16.59	2.7	0	1,2	100334	-79216	-2372	445190	-351488	SLD 1	4.437	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	435	-4915	SLU 48	4366	24233	25001	1.85	55.72	922	-4724	SLU 52	4343	20959	21194	2.4	22.72	Si
1959	3X/2Y Ø8/10	435	-4832	SLU 48	4385	24464	25225	1.85	56.25	922	-4641	SLU 52	4333	20959	21183	2.4	22.72	Si
1988	3X/2Y Ø8/10	435	-4747	SLU 48	4374	24464	25212	1.85	56.25	922	-4556	SLU 52	4322	20959	21172	2.4	22.72	Si
2017	3X/2Y Ø8/10	435	-4662	SLU 48	4364	24464	25199	1.85	56.25	922	-4471	SLU 52	4312	20959	21160	2.4	22.72	Si
2046	3X/2Y Ø8/10	435	-4577	SLU 48	4353	24464	25186	1.85	56.25	922	-4386	SLU 52	4301	20959	21149	2.4	22.72	Si
2075	3X/2Y Ø8/10	435	-4492	SLU 48	4343	24464	25172	1.85	56.25	922	-4301	SLU 52	4291	20959	21138	2.4	22.72	Si
2104	3X/2Y Ø8/10	435	-4407	SLU 48	4332	24464	25159	1.85	56.25	922	-4217	SLU 52	4280	20959	21127	2.4	22.72	Si
2133	3X/2Y Ø8/10	435	-4323	SLU 48	4321	24464	25146	1.85	56.25	922	-4132	SLU 52	4270	20959	21116	2.4	22.72	Si
2162	3X/2Y Ø8/10	435	-4238	SLU 48	4311	24464	25133	1.85	56.25	922	-4047	SLU 52	4259	20959	21105	2.4	22.72	Si
2191	3X/2Y Ø8/10	435	-4153	SLU 48	4300	24464	25119	1.85	56.25	922	-3962	SLU 52	4249	20959	21094	2.4	22.72	Si
2220	3X/2Y Ø8/10	435	-4070	SLU 48	4290	24464	25106	1.85	56.25	922	-3879	SLU 52	4266	21158	21283	2.4	22.94	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	1345	-3538	SLV 11	4197	24233	24788	1.85	18.01	1206	-3686	SLV 3	4215	20959	21057	2.4	17.38	Si
1959	3X/2Y Ø8/10	1345	-3474	SLV 11	4216	24464	25013	1.85	18.18	1206	-3622	SLV 3	4207	20959	21049	2.4	17.38	Si
1988	3X/2Y Ø8/10	1345	-3408	SLV 11	4208	24464	25003	1.85	18.18	1206	-3557	SLV 3	4199	20959	21040	2.4	17.38	Si
2017	3X/2Y Ø8/10	1345	-3343	SLV 11	4199	24464	24993	1.85	18.18	1206	-3491	SLV 3	4191	20959	21032	2.4	17.38	Si
2046	3X/2Y Ø8/10	1345	-3278	SLV 11	4191	24464	24983	1.85	18.18	1206	-3426	SLV 3	4183	20959	21023	2.4	17.38	Si
2075	3X/2Y Ø8/10	1345	-3213	SLV 11	4183	24464	24973	1.85	18.18	1206	-3361	SLV 3	4175	20959	21015	2.4	17.38	Si
2104	3X/2Y Ø8/10	1345	-3147	SLV 11	4175	24464	24962	1.85	18.18	1206	-3296	SLV 3	4167	20959	21006	2.4	17.38	Si
2133	3X/2Y Ø8/10	1345	-3082	SLV 11	4167	24464	24952	1.85	18.18	1206	-3230	SLV 3	4159	20959	20997	2.4	17.38	Si
2162	3X/2Y Ø8/10	1345	-3017	SLV 11	4159	24464	24942	1.85	18.18	1206	-3165	SLV 3	4151	20959	20989	2.4	17.38	Si
2191	3X/2Y Ø8/10	1345	-2952	SLV 11	4151	24464	24932	1.85	18.18	1206	-3100	SLV 3	4143	20959	20980	2.4	17.38	Si
2220	3X/2Y Ø8/10	1345	-2888	SLV 11	4143	24464	24922	1.85	18.18	1206	-3036	SLV 3	4161	21158	21171	2.4	17.54	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	730	-3147	SLD 11	4148	28818	22268	2.2	30.52	796	-3226	SLD 3	4158	21832	20393	2.5	25.63	Si
1959	3X/2Y Ø8/10	730	-3083	SLD 11	4167	29092	22471	2.2	30.8	796	-3162	SLD 3	4150	21832	20385	2.5	25.62	Si
1988	3X/2Y Ø8/10	730	-3018	SLD 11	4159	29092	22462	2.2	30.79	796	-3097	SLD 3	4142	21832	20377	2.5	25.61	Si
2017	3X/2Y Ø8/10	730	-2953	SLD 11	4151	29092	22452	2.2	30.77	796	-3032	SLD 3	4134	21832	20369	2.5	25.6	Si
2046	3X/2Y Ø8/10	730	-2888	SLD 11	4143	29092	22443	2.2	30.76	796	-2966	SLD 3	4126	21832	20360	2.5	25.59	Si
2075	3X/2Y Ø8/10	730	-2822	SLD 11	4135	28431	22772	2.15	31.21	796	-2901	SLD 3	4118	21832	20352	2.5	25.58	Si
2104	3X/2Y Ø8/10	730	-2757	SLD 11	4126	28431	22763	2.15	31.2	796	-2836	SLD 3	4110	21832	20344	2.5	25.57	Si
2133	3X/2Y Ø8/10	730	-2692	SLD 11	4118	28431	22754	2.15	31.19	796	-2771	SLD 3	4102	21832	20335	2.5	25.56	Si
2162	3X/2Y Ø8/10	730	-2627	SLD 11	4110	28431	22744	2.15	31.17	796	-2705	SLD 3	4094	21832	20327	2.5	25.55	Si
2191	3X/2Y Ø8/10	730	-2561	SLD 11	4102	28431	22735	2.15	31.16	796	-2640	SLD 3	4086	21832	20319	2.5	25.54	Si
2220	3X/2Y Ø8/10	730	-2497	SLD 11	4094	28431	22726	2.15	31.15	796	-2576	SLD 3	4104	22039	20503	2.5	25.77	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1930	-107808	-124723	-3435	SLE RA 13	-90.7	-107481	-121830	-3182	SLE RA 11	1690.1	Si
1959	-88937	-116124	-3371	SLE RA 13	-73.5	-89177	-113591	-3118	SLE RA 11	1246.7	Si
1988	-69735	-107374	-3305	SLE RA 13	-59.6	-70551	-105207	-3053	SLE RA 11	947.3	Si
2017	-51926	-96823	-2987	SLE RA 11	-49.2	-51926	-96823	-2987	SLE RA 11	769.7	Si
2046	-33300	-88440	-2922	SLE RA 11	-39.2	-33300	-88440	-2922	SLE RA 11	605.5	Si
2075	-14675	-80056	-2857	SLE RA 11	-29.2	-14675	-80056	-2857	SLE RA 11	455.2	Si
2104	11188	-67826	-3171	SLE RA 9	-17.1	11188	-67826	-3171	SLE RA 9	-180.7	Si
2133	26276	-63623	-2979	SLE RA 13	-19	26276	-63623	-2979	SLE RA 13	-198.6	Si
2162	45478	-54873	-2914	SLE RA 13	-33.2	45478	-54873	-2914	SLE RA 13	440.5	Si
2191	64680	-46123	-2849	SLE RA 13	-37.8	64680	-46123	-2849	SLE RA 13	555.3	Si
2220	83551	-37523	-2784	SLE RA 13	-37	83551	-37523	-2784	SLE RA 13	543.4	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1930	-78159	-107895	-2880	SLE QP 2	-72	Si
1959	-64287	-99913	-2816	SLE QP 2	-58.2	Si
1988	-50172	-91792	-2751	SLE QP 2	-47.1	Si
2017	-36057	-83670	-2686	SLE QP 2	-38.9	Si
2046	-21941	-75549	-2620	SLE QP 2	-30.8	Si
2075	-7826	-67427	-2555	SLE QP 2	-15.8	Si
2104	6289	-59305	-2490	SLE QP 2	-14	Si
2133	20404	-51184	-2425	SLE QP 2	-15.2	Si
2162	34520	-43062	-2359	SLE QP 2	-16.4	Si
2191	48635	-34940	-2294	SLE QP 2	-17.6	Si
2220	62507	-26959	-2230	SLE QP 2	-27.3	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1930	-86079	-111788	-2964	SLE FR 6	-72823	-94573	-94573	1437.9	165.6	0.0364	30.03	0.0126	Si	Si
1959	-71015	-103742	-2900	SLE FR 6	-70300	-102698	-102698	1053	155.2	0.0462	28.44	0.0087	Si	Si
1988	-55687	-95554	-2834										No	Si
2017	-40358	-87367	-2769										No	Si
2046	-25029	-79179	-2704										No	Si
2075	-9701	-70992	-2639										No	Si
2104	5628	-62804	-2573										No	Si
2133	20956	-54617	-2508										No	Si
2162	36285	-46429	-2443										No	Si
2191	51614	-38241	-2378										No	Si
2220	66678	-30195	-2314										No	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1930	-78159	-107895	-2880	SLE QP 2	-70518	-97347	-97347	1345.4	167.9	0.0359	29.97	0.0117	Si	Si
1959	-64287	-99913	-2816										No	Si
1988	-50172	-91792	-2751										No	Si
2017	-36057	-83670	-2686										No	Si
2046	-21941	-75549	-2620										No	Si
2075	-7826	-67427	-2555										No	Si
2104	6289	-59305	-2490										No	Si
2133	20404	-51184	-2425										No	Si
2162	34520	-43062	-2359										No	Si
2191	48635	-34940	-2294										No	Si
2220	62507	-26959	-2230										No	Si

Verifiche nodi trave colonna

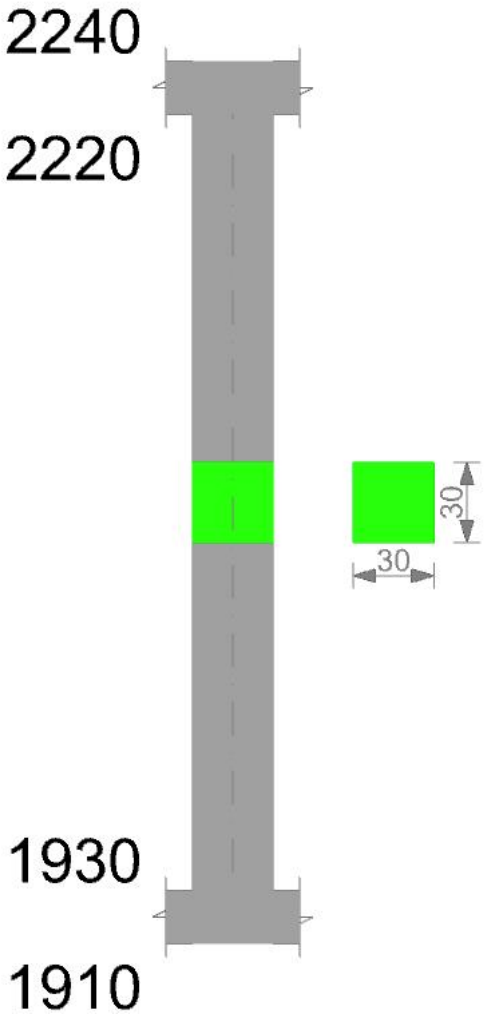
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata per il nodo Appoggio 2230 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto elemento di base della pilastrata.

Pilastro H13

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1930	2220	R 30x30 1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-9.67	1.6	2.011	1920	2240	R 30x30 1	B450C
p.1	9.67	-9.67	1.6	2.011	1920	2240	R 30x30 1	B450C
p.1	9.67	9.67	1.6	2.011	1920	2240	R 30x30 1	B450C
p.1	-9.67	9.67	1.6	2.011	1920	2240	R 30x30 1	B450C
p.2	-9.9	0	1.6	2.011	1930.1	2240	R 30x30 1	B450C
p.2	9.9	0	1.6	2.011	1930.1	2240	R 30x30 1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	8.04	0.9	0	1	-141999	-14530	-627	-386189	-39516	SLU 52	2.72	Si
1959	10.34	1.3	0	1,2	-117547	-10124	-404	-476114	-41006	SLU 50	4.05	Si
1988	12.06	1.3	0	1,2	-94407	-4630	-319	-544447	-26700	SLU 50	5.767	Si
2017	12.06	1.3	0	1,2	-71267	864	-234	-544917	6609	SLU 50	7.646	Si
2046	12.06	1.3	0	1,2	-48127	6359	-149	-540166	71366	SLU 50	11.224	Si
2075	12.06	1.3	0	1,2	-24987	11853	-65	-487718	231347	SLU 50	19.518	Si
2104	12.06	1.3	0	1,2	-1847	17347	20	-55325	519475	SLU 50	29.946	Si
2133	12.06	1.3	0	1,2	30216	22070	-218	455765	332899	SLU 48	15.084	Si
2162	12.06	1.3	0	1,2	52475	27108	-134	479859	247885	SLU 48	9.144	Si
2191	12.06	1.3	0	1,2	74097	34145	135	475617	219168	SLU 52	6.419	Si
2220	16.59	2.7	0	1,2	98154	39563	220	620767	250214	SLU 52	6.324	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1930	8.04	0.9	0	1	-183140	134920	-1040	-2.02	1.92	-252987	186377	SLV 1	1.381				Si
1959	10.34	1.3	0	1,2	-152735	114773	-975	-2.02	1.92	-289949	217882	SLV 1	1.898				Si
1988	12.06	1.3	0	1,2	-121799	94297	-910	-2.02	1.92	-313937	243051	SLV 1	2.578				Si
2017	12.06	1.3	0	1,2	-90866	73873	-845	-2.02	1.92	-312828	254324	SLV 1	3.443				Si
2046	12.06	1.3	0	1,2	-59944	53576	-780	-2.02	1.92	-309667	276771	SLV 1	5.166				Si
2075	12.06	1.3	0	1,2	-29065	33791	-714	-2.02	1.92	-295666	343746	SLV 1	10.173				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
2104	12.06	1.3	0	1,2	5108	19180	-635	-2.02	1.92	159555	599072	SLV 5	31.234				Si
2133	12.06	1.3	0	1,2	27243	37828	-349	-2.02	1.92	248746	345396	SLV 3	9.131				Si
2162	12.06	1.3	0	1,2	52373	64120	-284	-2.02	1.92	255091	312307	SLV 3	4.871				Si
2191	12.06	1.3	0	1,2	77535	66219	-218	-2.02	1.92	293161	250374	SLV 3	3.781				Si
2220	16.59	2.7	0	1,2	125798	-70920	-388	-2.02	1.92	429802	-242305	SLV 1	3.417				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	8.04	0.9	0	1	-119753	52765	-759	-297772	131202	SLD 1	2.487	Si
1959	10.34	1.3	0	1,2	-99682	45817	-695	-334238	153624	SLD 1	3.353	Si
1988	12.06	1.3	0	1,2	-79261	38759	-629	-357566	174850	SLD 1	4.511	Si
2017	12.06	1.3	0	1,2	-58841	31725	-564	-354527	191151	SLD 1	6.025	Si
2046	12.06	1.3	0	1,2	-38427	24755	-499	-347411	223809	SLD 1	9.041	Si
2075	12.06	1.3	0	1,2	-18036	18050	-434	-318555	318801	SLD 1	17.662	Si
2104	12.06	1.3	0	1,2	3865	13994	-362	152303	551448	SLD 5	39.405	Si
2133	12.06	1.3	0	1,2	20277	24897	-192	260984	320439	SLD 3	12.871	Si
2162	12.06	1.3	0	1,2	38058	38247	-127	275877	277248	SLD 3	7.249	Si
2191	12.06	1.3	0	1,2	55857	40661	-62	305604	222464	SLD 3	5.471	Si
2220	16.59	2.7	0	1,2	84173	-18363	-107	497214	-108473	SLD 1	5.907	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	189	-487	SLU 50	3820	24233	24316	1.85	127.91	830	-627	SLU 52	3838	20522	20962	2.35	24.74	Si
1959	3X/2Y Ø8/10	189	-404	SLU 50	3834	24464	24534	1.85	129.13	830	-543	SLU 52	3827	20522	20950	2.35	24.74	Si
1988	3X/2Y Ø8/10	189	-319	SLU 50	3823	24464	24520	1.85	129.13	830	-459	SLU 52	3817	20522	20939	2.35	24.74	Si
2017	3X/2Y Ø8/10	189	-234	SLU 50	3812	24464	24507	1.85	129.13	830	-374	SLU 52	3806	20522	20928	2.35	24.74	Si
2046	3X/2Y Ø8/10	189	-149	SLU 50	3802	24464	24494	1.85	129.13	830	-289	SLU 52	3796	20522	20916	2.35	24.74	Si
2075	3X/2Y Ø8/10	189	-65	SLU 50	3791	24464	24481	1.85	129.13	830	-204	SLU 52	3785	20522	20905	2.35	24.74	Si
2104	3X/2Y Ø8/10	189	20	SLU 50	3783	24464	24471	1.85	129.13	830	-119	SLU 52	3775	20522	20894	2.35	24.74	Si
2133	3X/2Y Ø8/10	189	105	SLU 50	3783	24464	24471	1.85	129.13	830	-34	SLU 52	3764	20522	20883	2.35	24.74	Si
2162	3X/2Y Ø8/10	189	190	SLU 50	3783	24464	24471	1.85	129.13	830	50	SLU 52	3760	20522	20878	2.35	24.74	Si
2191	3X/2Y Ø8/10	189	275	SLU 50	3783	24464	24471	1.85	129.13	830	135	SLU 52	3760	20522	20878	2.35	24.74	Si
2220	3X/2Y Ø8/10	189	360	SLU 50	3783	24464	24471	1.85	129.13	830	220	SLU 52	3783	20717	21076	2.35	24.97	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	1036	6	SLV 11	3760	24233	24240	1.85	23.39	1067	-1040	SLV 1	3888	20522	21017	2.35	19.23	Si
1959	3X/2Y Ø8/10	1036	70	SLV 11	3783	24464	24471	1.85	23.61	1067	-975	SLV 1	3881	20522	21008	2.35	19.23	Si
1988	3X/2Y Ø8/10	1036	135	SLV 11	3783	24464	24471	1.85	23.61	1067	-910	SLV 1	3872	20522	20999	2.35	19.23	Si
2017	3X/2Y Ø8/10	1036	201	SLV 11	3783	24464	24471	1.85	23.61	1067	-845	SLV 1	3864	20522	20991	2.35	19.23	Si
2046	3X/2Y Ø8/10	1036	266	SLV 11	3783	24464	24471	1.85	23.61	1067	-780	SLV 1	3856	20522	20982	2.35	19.23	Si
2075	3X/2Y Ø8/10	1036	331	SLV 11	3783	24464	24471	1.85	23.61	1067	-714	SLV 1	3848	20522	20973	2.35	19.23	Si
2104	3X/2Y Ø8/10	1036	396	SLV 11	3783	24464	24471	1.85	23.61	1067	-649	SLV 1	3840	20522	20965	2.35	19.23	Si
2133	3X/2Y Ø8/10	1036	462	SLV 11	3783	24464	24471	1.85	23.61	1067	-584	SLV 1	3832	20522	20956	2.35	19.23	Si
2162	3X/2Y Ø8/10	1036	527	SLV 11	3783	24464	24471	1.85	23.61	1067	-519	SLV 1	3824	20522	20947	2.35	19.23	Si
2191	3X/2Y Ø8/10	1036	592	SLV 11	3783	24464	24471	1.85	23.61	1067	-453	SLV 1	3816	20522	20938	2.35	19.23	Si
2220	3X/2Y Ø8/10	1036	657	SLV 11	3783	24464	24471	1.85	23.61	1067	-388	SLV 1	3832	20717	21129	2.35	19.42	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	506	-267	SLD 11	3793	28163	22196	2.15	43.88	704	-759	SLD 1	3854	21832	20079	2.5	28.51	Si
1959	3X/2Y Ø8/10	506	-203	SLD 11	3808	28431	22398	2.15	44.28	704	-695	SLD 1	3846	21832	20071	2.5	28.5	Si
1988	3X/2Y Ø8/10	506	-137	SLD 11	3800	28431	22389	2.15	44.26	704	-629	SLD 1	3838	21832	20062	2.5	28.48	Si
2017	3X/2Y Ø8/10	506	-72	SLD 11	3792	28431	22379	2.15	44.24	704	-564	SLD 1	3830	21832	20054	2.5	28.47	Si
2046	3X/2Y Ø8/10	506	-7	SLD 11	3784	28431	22370	2.15	44.23	704	-499	SLD 1	3822	21832	20046	2.5	28.46	Si
2075	3X/2Y Ø8/10	506	58	SLD 11	3783	28431	22369	2.15	44.22	704	-434	SLD 1	3814	21832	20037	2.5	28.45	Si
2104	3X/2Y Ø8/10	506	124	SLD 11	3783	28431	22369	2.15	44.22	704	-368	SLD 1	3806	21832	20029	2.5	28.44	Si
2133	3X/2Y Ø8/10	506	189	SLD 11	3783	28431	22369	2.15	44.22	704	-303	SLD 1	3798	21832	20021	2.5	28.43	Si
2162	3X/2Y Ø8/10	506	254	SLD 11	3783	28431	22369	2.15	44.22	704	-238	SLD 1	3790	21832	20012	2.5	28.41	Si
2191	3X/2Y Ø8/10	506	319	SLD 11	3783	28431	22369	2.15	44.22	704	-173	SLD 1	3782	21832	20004	2.5	28.4	Si
2220	3X/2Y Ø8/10	506	385	SLD 11	3783	28431	22369	2.15	44.22	704	-107	SLD 1	3797	22039	20186	2.5	28.66	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1930	-101483	-9586	-524	SLE RA 13	-40	-100343	-10249	-431	SLE RA 11	1146.7	Si
1959	-83985	-6520	-367	SLE RA 11	-32.1	-83985	-6520	-367	SLE RA 11	849.9	Si
1988	-67340	-2726	-302	SLE RA 11	-13.6	-67269	-2163	-395	SLE RA 13	-133	Si
2017	-50013	1581	-330	SLE RA 13	-10.1	-50013	1581	-330	SLE RA 13	-99.3	Si
2046	-34051	4863	-171	SLE RA 11	-7.5	-34051	4863	-171	SLE RA 11	-73.4	Si
2075	-17406	8657	-106	SLE RA 11	-4.9	-17406	8657	-106	SLE RA 11	-48.3	Si
2104	9303	10115	-335	SLE RA 4	-3.9	9303	10115	-335	SLE RA 4	-39.1	Si
2133	21833	15731	-191	SLE RA 9	-7.1	21739	15771	-201	SLE RA 8	-69.8	Si
2162	37891	19221	-126	SLE RA 9	-10.7	37891	19221	-126	SLE RA 9	-104.4	Si
2191	53523	24044	62	SLE RA 13	-28.1	53523	24044	62	SLE RA 13	621.3	Si
2220	70779	27788	127	SLE RA 13	-30	70779	27788	127	SLE RA 13	606.8	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1930	-70869	-9481	-510	SLE QP 2	-29.3	Si
1959	-58773	-6228	-445	SLE QP 2	-12.8	Si
1988	-46465	-2917	-380	SLE QP 2	-9.7	Si
2017	-34157	393	-315	SLE QP 2	-6.9	Si
2046	-21849	3704	-250	SLE QP 2	-5	Si
2075	-9540	7014	-184	SLE QP 2	-3.2	Si
2104	4271	9393	-149	SLE QP 1	-2.6	Si
2133	15076	13636	-54	SLE QP 2	-5.3	Si
2162	27384	16946	11	SLE QP 2	-8.2	Si
2191	39692	20257	77	SLE QP 2	-11.1	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
2220	52000	23567	142	SLE QP 2	-13.1	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

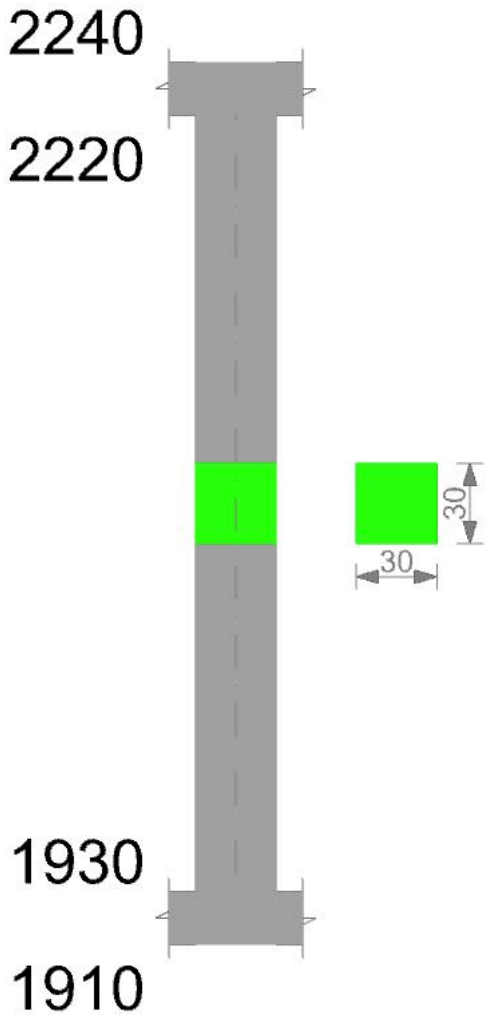
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1920 in quanto elemento di base della pilastrata.
per il nodo Appoggio 2230 in quanto nodo interno a piastra.

Pilastro H14

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1930	2220	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-9.67	1.6	2.011	1910	1930	R 30x30_1	B450C
p.1	9.67	-9.67	1.6	2.011	1910	1930	R 30x30_1	B450C
p.1	9.67	9.67	1.6	2.011	1910	1930	R 30x30_1	B450C
p.1	-9.67	9.67	1.6	2.011	1910	1930	R 30x30_1	B450C
p.2	-9.67	-9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.2	9.67	-9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.2	9.67	9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.2	-9.67	9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.1	-9.9	0	1.6	2.011	1910	1930	R 30x30_1	B450C
p.1	9.9	0	1.6	2.011	1910	1930	R 30x30_1	B450C
p.3	-9.9	0	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.3	9.9	0	1.6	2.011	1930.1	2240	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	20.11	2.2	0	1,2	270860	-203997	-9228	737757	-555638	SLU 51	2.724	Si
1959	15.5	2.7	0	1,2,3	224472	-183009	-9145	611676	-498690	SLU 51	2.725	Si
1988	12.06	1.3	0	2,3	177270	-161652	-9060	511987	-466879	SLU 51	2.888	Si
2017	12.06	1.3	0	2,3	130068	-140295	-8975	490144	-528683	SLU 51	3.768	Si
2046	12.06	1.3	0	2,3	82866	-118939	-8890	440931	-632871	SLU 51	5.321	Si
2075	12.06	1.3	0	2,3	35664	-97582	-8805	291801	-798403	SLU 51	8.182	Si
2104	12.06	1.3	0	2,3	-17441	-76225	-8721	-188598	-824248	SLU 51	10.813	Si
2133	12.06	1.3	0	2,3	-58740	-54869	-8636	-551772	-515410	SLU 51	9.394	Si
2162	12.06	1.3	0	2,3	-105942	-33512	-8551	-754440	-238649	SLU 51	7.121	Si
2191	12.06	1.3	0	2,3	-153144	-16932	-8466	-787890	-87113	SLU 51	5.145	Si
2220	16.59	2.7	0	2,3	-200346	16763	-8381	-892688	74690	SLU 51	4.456	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1930	20.11	2.2	0	1,2	386104	-326998	-6521	-2.02	1.92	520671	-440965	SLV 15	1.349				Si
1959	15.5	2.7	0	1,2,3	320024	-278016	-6457	-2.02	1.92	415779	-361201	SLV 15	1.299				Si
1988	12.06	1.3	0	2,3	252786	-228181	-6392	-2.02	1.92	337459	-304612	SLV 15	1.335				Si
2017	12.06	1.3	0	2,3	185549	-178361	-6326	-2.02	1.92	349658	-336114	SLV 15	1.884				Si
2046	12.06	1.3	0	2,3	99658	-134378	-6440	-2.02	1.92	333772	-450058	SLV 11	3.349				Si
2075	12.06	1.3	0	2,3	39127	-74219	-6375	-2.02	1.92	285972	-542457	SLV 11	7.309				Si
2104	12.06	1.3	0	2,3	3008	-56030	-4156	-2.02	1.92	41224	-767996	SLV 1	13.707				Si
2133	12.06	1.3	0	2,3	-83445	21431	-6065	-2.02	1.92	-599534	153978	SLV 15	7.185				Si
2162	12.06	1.3	0	2,3	-150674	71177	-6000	-2.02	1.92	-479182	226362	SLV 15	3.18				Si
2191	12.06	1.3	0	2,3	-217910	120989	-5935	-2.02	1.92	-408911	227037	SLV 15	1.877				Si
2220	16.59	2.7	0	2,3	-285148	170821	-5870	-2.02	1.92	-480490	287842	SLV 15	1.685				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	20.11	2.2	0	1,2	253400	-205800	-5949	550915	-447428	SLD 15	2.174	Si
1959	15.5	2.7	0	1,2,3	209989	-177982	-5885	443791	-376149	SLD 15	2.113	Si
1988	12.06	1.3	0	2,3	165816	-149680	-5820	363467	-328098	SLD 15	2.192	Si
2017	12.06	1.3	0	2,3	121644	-121385	-5754	377552	-376750	SLD 15	3.104	Si
2046	12.06	1.3	0	2,3	69310	-94978	-5757	336612	-461268	SLD 11	4.857	Si
2075	12.06	1.3	0	2,3	28144	-62524	-5692	258170	-573534	SLD 11	9.173	Si
2104	12.06	1.3	0	2,3	-3309	-48113	-4660	-51106	-743123	SLD 5	15.446	Si
2133	12.06	1.3	0	2,3	-28818	-44511	-4773	-327883	-506444	SLD 9	11.378	Si
2162	12.06	1.3	0	2,3	-99235	20295	-5428	-611372	125038	SLD 15	6.161	Si
2191	12.06	1.3	0	2,3	-143406	48587	-5363	-504873	171053	SLD 15	3.521	Si
2220	16.59	2.7	0	2,3	-187579	76887	-5298	-564315	231308	SLD 15	3.008	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	748	-9737	SLU 47	4995	25125	25609	1.9	33.59	-1628	-9228	SLU 51	4898	21395	21469	2.45	13.14	Si
1959	3X/2Y Ø8/10	748	-9653	SLU 47	4985	25125	25596	1.9	33.59	-1628	-9145	SLU 51	4888	21395	21458	2.45	13.14	Si
1988	3X/2Y Ø8/10	748	-9569	SLU 47	4975	25125	25583	1.9	33.59	-1628	-9060	SLU 51	4878	21395	21447	2.45	13.14	Si
2017	3X/2Y Ø8/10	748	-9484	SLU 47	4964	25125	25570	1.9	33.59	-1628	-8975	SLU 51	4867	21395	21436	2.45	13.14	Si
2046	3X/2Y Ø8/10	748	-9399	SLU 47	4953	25125	25557	1.9	33.59	-1628	-8890	SLU 51	4857	21395	21425	2.45	13.14	Si
2075	3X/2Y Ø8/10	748	-9314	SLU 47	4943	25125	25544	1.9	33.59	-1628	-8805	SLU 51	4846	21395	21414	2.45	13.14	Si
2104	3X/2Y Ø8/10	748	-9229	SLU 47	4932	25125	25531	1.9	33.59	-1628	-8721	SLU 51	4836	21395	21403	2.45	13.14	Si
2133	3X/2Y Ø8/10	748	-9144	SLU 47	4922	25125	25517	1.9	33.59	-1628	-8636	SLU 51	4825	20959	21707	2.4	12.88	Si
2162	3X/2Y Ø8/10	748	-9060	SLU 47	4911	25125	25504	1.9	33.59	-1628	-8551	SLU 51	4815	20959	21696	2.4	12.88	Si
2191	3X/2Y Ø8/10	748	-8975	SLU 47	4901	25125	25491	1.9	33.59	-1628	-8466	SLU 51	4804	20959	21685	2.4	12.88	Si
2220	3X/2Y Ø8/10	748	-8890	SLU 47	4890	25125	25478	1.9	33.59	-1628	-8381	SLU 51	4827	21158	21880	2.4	13	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	1981	-6700	SLV 11	4617	25125	25141	1.9	12.69	-2319	-6521	SLV 15	4564	20959	21430	2.4	9.04	Si
1959	3X/2Y Ø8/10	1981	-6636	SLV 11	4609	25125	25131	1.9	12.69	-2319	-6457	SLV 15	4557	20959	21421	2.4	9.04	Si
1988	3X/2Y Ø8/10	1981	-6570	SLV 11	4601	24464	25497	1.85	12.35	-2319	-6392	SLV 15	4548	20959	21413	2.4	9.04	Si
2017	3X/2Y Ø8/10	1981	-6505	SLV 11	4593	24464	25487	1.85	12.35	-2319	-6326	SLV 15	4540	20959	21404	2.4	9.04	Si
2046	3X/2Y Ø8/10	1981	-6440	SLV 11	4585	24464	25477	1.85	12.35	-2319	-6261	SLV 15	4532	20959	21395	2.4	9.04	Si
2075	3X/2Y Ø8/10	1981	-6375	SLV 11	4577	24464	25467	1.85	12.35	-2319	-6196	SLV 15	4524	20959	21387	2.4	9.04	Si
2104	3X/2Y Ø8/10	1981	-6309	SLV 11	4569	24464	25456	1.85	12.35	-2319	-6131	SLV 15	4516	20959	21378	2.4	9.04	Si
2133	3X/2Y Ø8/10	1981	-6244	SLV 11	4561	24464	25446	1.85	12.35	-2319	-6065	SLV 15	4508	20959	21370	2.4	9.04	Si
2162	3X/2Y Ø8/10	1981	-6179	SLV 11	4552	24464	25436	1.85	12.35	-2319	-6000	SLV 15	4500	20959	21361	2.4	9.04	Si
2191	3X/2Y Ø8/10	1981	-6114	SLV 11	4544	24464	25426	1.85	12.35	-2319	-5935	SLV 15	4492	20959	21353	2.4	9.04	Si
2220	3X/2Y Ø8/10	1981	-6048	SLV 11	4536	24464	25416	1.85	12.35	-2319	-5870	SLV 15	4514	21158	21547	2.4	9.13	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	1077	-6017	SLD 11	4532	29092	22883	2.2	21.25	-1523	-5949	SLD 15	4494	21832	20741	2.5	13.62	Si
1959	3X/2Y Ø8/10	1077	-5953	SLD 11	4524	29092	22874	2.2	21.24	-1523	-5885	SLD 15	4486	21832	20733	2.5	13.61	Si
1988	3X/2Y Ø8/10	1077	-5888	SLD 11	4516	29092	22865	2.2	21.23	-1523	-5820	SLD 15	4478	21832	20724	2.5	13.61	Si
2017	3X/2Y Ø8/10	1077	-5822	SLD 11	4508	29092	22856	2.2	21.23	-1523	-5754	SLD 15	4470	21832	20716	2.5	13.6	Si
2046	3X/2Y Ø8/10	1077	-5757	SLD 11	4500	29092	22847	2.2	21.22	-1523	-5689	SLD 15	4462	21832	20708	2.5	13.59	Si
2075	3X/2Y Ø8/10	1077	-5692	SLD 11	4492	29092	22838	2.2	21.21	-1523	-5624	SLD 15	4454	21832	20699	2.5	13.59	Si
2104	3X/2Y Ø8/10	1077	-5627	SLD 11	4484	29092	22829	2.2	21.2	-1523	-5559	SLD 15	4446	21832	20691	2.5	13.58	Si
2133	3X/2Y Ø8/10	1077	-5561	SLD 11	4476	29092	22819	2.2	21.19	-1523	-5493	SLD 15	4438	21832	20683	2.5	13.58	Si
2162	3X/2Y Ø8/10	1077	-5496	SLD 11	4467	29092	22810	2.2	21.18	-1523	-5428	SLD 15	4430	21832	20674	2.5	13.57	Si
2191	3X/2Y Ø8/10	1077	-5431	SLD 11	4459	29092	22801	2.2	21.17	-1523	-5363	SLD 15	4422	21832	20666	2.5	13.57	Si
2220	3X/2Y Ø8/10	1077	-5366	SLD 11	4451	29092	22792	2.2	21.17	-1523	-5298	SLD 15	4443	22039	20854	2.5	13.69	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1930	188626	-147180	-6646	SLE RA 12	-87.2	188626	-147180	-6646	SLE RA 12	1150.4	Si
1959	156282	-131877	-6582	SLE RA 12	-86.1	154314	-127146	-6011	SLE RA 10	1182.9	Si
1988	123371	-116305	-6517	SLE RA 12	-80.7	122071	-112596	-5946	SLE RA 10	1135.2	Si
2017	90459	-100734	-6451	SLE RA 12	-62.5	89827	-98046	-5880	SLE RA 10	794.5	Si
2046	57548	-85162	-6386	SLE RA 12	-44.6	57584	-83496	-5815	SLE RA 10	482.1	Si
2075	24637	-69591	-6321	SLE RA 12	-22.9	24637	-69591	-6321	SLE RA 12	-252.2	Si
2104	-8275	-54019	-6256	SLE RA 12	-16.9	-8275	-54019	-6256	SLE RA 12	-194.5	Si
2133	-41186	-38448	-6190	SLE RA 12	-20.4	-41186	-38448	-6190	SLE RA 12	-227.5	Si
2162	-74097	-22876	-6125	SLE RA 12	-23.8	-74097	-22876	-6125	SLE RA 12	-260.5	Si
2191	-103633	-10746	-5489	SLE RA 10	-38.8	-103633	-10746	-5489	SLE RA 10	539.9	Si
2220	-134386	15023	-6334	SLE RA 8	-45.5	-139920	8267	-5995	SLE RA 12	646.8	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1930	153023	-117520	-5534	SLE QP 2	-70.2	Si
1959	126782	-105049	-5470	SLE QP 2	-69.2	Si
1988	100081	-92360	-5405	SLE QP 2	-64.6	Si
2017	73380	-79670	-5339	SLE QP 2	-49.9	Si
2046	46679	-66981	-5274	SLE QP 2	-35.4	Si
2075	19978	-54292	-5209	SLE QP 2	-18.2	Si
2104	-6724	-41603	-5144	SLE QP 2	-13.4	Si
2133	-33425	-28913	-5078	SLE QP 2	-16.2	Si
2162	-60126	-16224	-5013	SLE QP 2	-19	Si
2191	-86827	-3535	-4948	SLE QP 2	-21.7	Si
2220	-113528	9155	-4883	SLE QP 2	-37.5	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1930	162446	-124356	-5688	SLE FR 6	114421	-87592	-87592	983.9	319.9	0.0314	31.06	0.0089	Si	Si
1959	134649	-111363	-5624	SLE FR 6	104627	-86533	-86533	1007.9	331.3	0.0321	31.94	0.0094	Si	Si
1988	106364	-98142	-5559	SLE FR 6	96296	-88852	-88852	955.6	337.4	0.0238	34.11	0.0095	Si	Si
2017	78079	-84921	-5494										No	Si
2046	49795	-71700	-5429										No	Si
2075	21510	-58479	-5363										No	Si
2104	-6775	-45258	-5298										No	Si
2133	-35059	-32037	-5233										No	Si
2162	-63344	-18816	-5168										No	Si
2191	-91629	-5595	-5102										No	Si
2220	-119913	7626	-5037										No	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1930	153023	-117520	-5534	SLE QP 2	114675	-88069	-88069	919.1	319.5	0.0315	31.06	0.0083	Si	Si
1959	126782	-105049	-5470	SLE QP 2	104985	-86988	-86988	937.9	330.2	0.0322	31.92	0.0087	Si	Si
1988	100081	-92360	-5405	SLE QP 2	96796	-89328	-89328	883.9	335.9	0.0239	34.06	0.0088	Si	Si
2017	73380	-79670	-5339										No	Si
2046	46679	-66981	-5274										No	Si
2075	19978	-54292	-5209										No	Si
2104	-6724	-41603	-5144										No	Si
2133	-33425	-28913	-5078										No	Si
2162	-60126	-16224	-5013										No	Si
2191	-86827	-3535	-4948										No	Si
2220	-113528	9155	-4883										No	Si

Verifiche nodi trave colonna

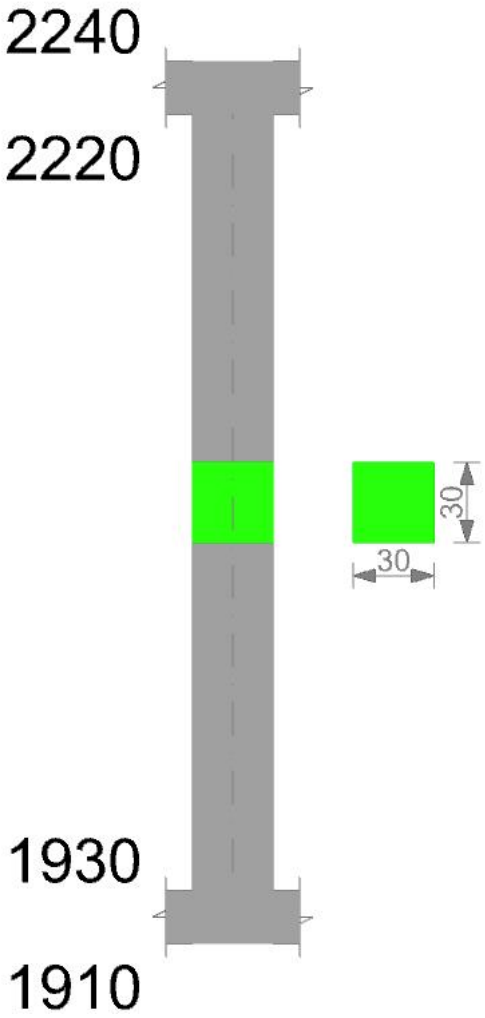
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 2230 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto elemento di base della pilastrata.

Pilastro H15

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1930	2220	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.1	9.67	-9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.1	9.67	9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.1	-9.67	9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.2	-9.9	0	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.2	9.9	0	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.3	-9.9	0	1.6	2.011	1910	1930	R 30x30_1	B450C
p.3	9.9	0	1.6	2.011	1910	1930	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	12.06	1.3	0	1,3	174399	331131	-30107	379402	720367	SLU 51	2.175	Si
1959	12.06	1.8	0	1,2,3	139855	277050	-30024	364494	722055	SLU 51	2.606	Si
1988	12.06	1.3	0	1,2	104705	222022	-29939	333754	707706	SLU 51	3.188	Si
2017	12.06	1.3	0	1,2	68865	167376	-29890	272347	661939	SLU 52	3.955	Si
2046	12.06	1.3	0	1,2	59610	112146	-29805	278084	523163	SLU 52	4.665	Si
2075	12.06	1.3	0	1,2	-59441	59441	-29720	-316346	316346	SLU 52	5.322	Si
2104	12.06	1.3	0	1,2	-59271	59271	-29636	-316346	316346	SLU 52	5.337	Si
2133	12.06	1.3	0	1,2	-71045	-59029	-29515	-369635	-307119	SLU 51	5.203	Si
2162	12.06	1.3	0	1,2	-106195	-108152	-29430	-449975	-458266	SLU 51	4.237	Si
2191	12.06	1.3	0	1,2	-141345	-163180	-29345	-477260	-550988	SLU 51	3.377	Si
2220	16.59	2.7	0	1,2	-176495	-218209	-29260	-536444	-663231	SLU 51	3.039	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1930	12.06	1.3	0	1,3	-15334	415994	-17549	-2.02	1.92	-29073	788695	SLV 5	1.896				Si
1959	12.06	1.8	0	1,2,3	-36419	312554	-17523	-2.02	1.92	-85742	735855	SLV 1	2.354				Si
1988	12.06	1.3	0	1,2	-6478	258542	-17419	-2.02	1.92	-19804	790427	SLV 5	3.057				Si
2017	12.06	1.3	0	1,2	-2517	179181	-17354	-2.02	1.92	-10813	769762	SLV 5	4.296				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
2046	12.06	1.3	0	1,2	6110	96636	-17327	-2.02	1.92	39745	628555	SLV 1	6.504				Si
2075	12.06	1.3	0	1,2	21262	42864	-17108	-2.02	1.92	171401	345537	SLV 3	8.061				Si
2104	12.06	1.3	0	1,2	-76568	49867	-16421	-2.02	1.92	-455197	296459	SLV 15	5.945				Si
2133	12.06	1.3	0	1,2	-130267	60831	-16356	-2.02	1.92	-542389	253281	SLV 15	4.164				Si
2162	12.06	1.3	0	1,2	-184413	71903	-16291	-2.02	1.92	-560221	218432	SLV 15	3.038				Si
2191	12.06	1.3	0	1,2	-238707	83003	-16225	-2.02	1.92	-564835	196404	SLV 15	2.366				Si
2220	16.59	2.7	0	1,2	85121	-336591	-16935	-2.02	1.92	184209	-728408	SLV 1	2.164				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	12.06	1.3	0	1,3	48569	280267	-17354	121390	700477	SLD 5	2.499	Si
1959	12.06	1.8	0	1,2,3	39381	230328	-17290	119798	700658	SLD 5	3.042	Si
1988	12.06	1.3	0	1,2	29976	179520	-17225	116343	696751	SLD 5	3.881	Si
2017	12.06	1.3	0	1,2	20415	128732	-17160	106010	668481	SLD 5	5.193	Si
2046	12.06	1.3	0	1,2	13093	76707	-17108	92416	541416	SLD 1	7.058	Si
2075	12.06	1.3	0	1,2	7841	35966	-16974	70640	324022	SLD 3	9.009	Si
2104	12.06	1.3	0	1,2	-44726	21107	-16640	-358821	169330	SLD 15	8.023	Si
2133	12.06	1.3	0	1,2	-79874	8056	-16574	-553096	55784	SLD 15	6.925	Si
2162	12.06	1.3	0	1,2	-24775	-125554	-16834	-129019	-653848	SLD 5	5.208	Si
2191	12.06	1.3	0	1,2	-34141	-176366	-16768	-132509	-684519	SLD 5	3.881	Si
2220	16.59	2.7	0	1,2	-85644	-188588	-16622	-287679	-633467	SLD 9	3.359	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	-1904	-30143	SLU 52	7536	27108	27487	2.05	14.23	-1212	-30107	SLU 51	7473	21832	23823	2.5	18.01	Si
1959	3X/2Y Ø8/10	-1904	-30060	SLU 52	7526	27108	27475	2.05	14.23	-1212	-30024	SLU 51	7463	21832	23812	2.5	18.01	Si
1988	3X/2Y Ø8/10	-1904	-29975	SLU 52	7515	27108	27462	2.05	14.23	-1212	-29939	SLU 51	7453	21832	23802	2.5	18.01	Si
2017	3X/2Y Ø8/10	-1904	-29890	SLU 52	7505	27108	27450	2.05	14.23	-1212	-29854	SLU 51	7442	21832	23791	2.5	18.01	Si
2046	3X/2Y Ø8/10	-1904	-29805	SLU 52	7494	27108	27437	2.05	14.23	-1212	-29769	SLU 51	7432	21832	23780	2.5	18.01	Si
2075	3X/2Y Ø8/10	-1904	-29720	SLU 52	7483	27108	27425	2.05	14.23	-1212	-29684	SLU 51	7421	21832	23769	2.5	18.01	Si
2104	3X/2Y Ø8/10	-1904	-29636	SLU 52	7473	27108	27412	2.05	14.23	-1212	-29600	SLU 51	7411	21832	23758	2.5	18.01	Si
2133	3X/2Y Ø8/10	-1904	-29551	SLU 52	7462	27108	27400	2.05	14.23	-1212	-29515	SLU 51	7400	21832	23747	2.5	18.01	Si
2162	3X/2Y Ø8/10	-1904	-29466	SLU 52	7452	27108	27387	2.05	14.23	-1212	-29430	SLU 51	7390	21832	23737	2.5	18.01	Si
2191	3X/2Y Ø8/10	-1904	-29381	SLU 52	7441	27108	27375	2.05	14.23	-1212	-29345	SLU 51	7379	21832	23726	2.5	18.01	Si
2220	3X/2Y Ø8/10	-1904	-29296	SLU 52	7431	27108	27362	2.05	14.23	-1212	-29260	SLU 51	7426	22039	23940	2.5	18.18	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	-2739	-17549	SLV 5	5968	25786	26414	1.95	9.41	-1879	-16811	SLV 15	5834	21832	22127	2.5	11.62	Si
1959	3X/2Y Ø8/10	-2739	-17485	SLV 5	5960	25786	26404	1.95	9.41	-1879	-16747	SLV 15	5826	21832	22119	2.5	11.62	Si
1988	3X/2Y Ø8/10	-2739	-17419	SLV 5	5952	25786	26394	1.95	9.41	-1879	-16682	SLV 15	5818	21832	22110	2.5	11.62	Si
2017	3X/2Y Ø8/10	-2739	-17354	SLV 5	5944	25786	26384	1.95	9.41	-1879	-16617	SLV 15	5810	21832	22102	2.5	11.62	Si
2046	3X/2Y Ø8/10	-2739	-17289	SLV 5	5936	25786	26374	1.95	9.41	-1879	-16552	SLV 15	5801	21832	22094	2.5	11.62	Si
2075	3X/2Y Ø8/10	-2739	-17224	SLV 5	5928	25786	26364	1.95	9.41	-1879	-16486	SLV 15	5793	21832	22085	2.5	11.62	Si
2104	3X/2Y Ø8/10	-2739	-17158	SLV 5	5919	25786	26355	1.95	9.41	-1879	-16421	SLV 15	5785	21832	22077	2.5	11.62	Si
2133	3X/2Y Ø8/10	-2739	-17093	SLV 5	5911	25786	26345	1.95	9.41	-1879	-16356	SLV 15	5777	21832	22069	2.5	11.62	Si
2162	3X/2Y Ø8/10	-2739	-17028	SLV 5	5903	25786	26335	1.95	9.41	-1879	-16291	SLV 15	5769	21832	22060	2.5	11.62	Si
2191	3X/2Y Ø8/10	-2739	-16963	SLV 5	5895	25786	26325	1.95	9.41	-1879	-16225	SLV 15	5761	21832	22052	2.5	11.62	Si
2220	3X/2Y Ø8/10	-2739	-16897	SLV 5	5887	25786	26315	1.95	9.41	-1879	-16160	SLV 15	5795	22039	22253	2.5	11.73	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	-1753	-17354	SLD 5	5944	29753	24116	2.25	13.76	-1224	-17030	SLD 15	5861	21832	22155	2.5	17.84	Si
1959	3X/2Y Ø8/10	-1753	-17290	SLD 5	5936	29753	24107	2.25	13.76	-1224	-16966	SLD 15	5853	21832	22146	2.5	17.84	Si
1988	3X/2Y Ø8/10	-1753	-17225	SLD 5	5928	29753	24098	2.25	13.75	-1224	-16901	SLD 15	5845	21832	22138	2.5	17.84	Si
2017	3X/2Y Ø8/10	-1753	-17160	SLD 5	5920	29753	24089	2.25	13.74	-1224	-16835	SLD 15	5837	21832	22130	2.5	17.84	Si
2046	3X/2Y Ø8/10	-1753	-17095	SLD 5	5911	29753	24080	2.25	13.74	-1224	-16770	SLD 15	5828	21832	22121	2.5	17.84	Si
2075	3X/2Y Ø8/10	-1753	-17029	SLD 5	5903	29753	24071	2.25	13.73	-1224	-16705	SLD 15	5820	21832	22113	2.5	17.84	Si
2104	3X/2Y Ø8/10	-1753	-16964	SLD 5	5895	29753	24062	2.25	13.73	-1224	-16640	SLD 15	5812	21832	22105	2.5	17.84	Si
2133	3X/2Y Ø8/10	-1753	-16899	SLD 5	5887	29753	24053	2.25	13.72	-1224	-16574	SLD 15	5804	21832	22096	2.5	17.84	Si
2162	3X/2Y Ø8/10	-1753	-16834	SLD 5	5879	29753	24044	2.25	13.72	-1224	-16509	SLD 15	5796	21832	22088	2.5	17.84	Si
2191	3X/2Y Ø8/10	-1753	-16768	SLD 5	5871	29753	24035	2.25	13.71	-1224	-16444	SLD 15	5788	21832	22080	2.5	17.84	Si
2220	3X/2Y Ø8/10	-1753	-16703	SLD 5	5863	29753	24026	2.25	13.71	-1224	-16379	SLD 15	5822	22039	22281	2.5	18.01	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1930	122076	234160	-21362	SLE RA 12	-106.8	122076	234160	-21362	SLE RA 12	-1080	Si
1959	97889	195899	-21297	SLE RA 12	-86.3	97889	195899	-21297	SLE RA 12	-909.2	Si
1988	73278	156966	-21232	SLE RA 12	-67.1	73278	156966	-21232	SLE RA 12	-742.5	Si
2017	48667	118034	-21167	SLE RA 12	-49.8	48667	118034	-21167	SLE RA 12	-585.4	Si
2046	23852	79223	-21126	SLE RA 13	-38.1	23852	79223	-21126	SLE RA 13	-472.7	Si
2075	-503	40156	-21060	SLE RA 13	-26.7	-503	40156	-21060	SLE RA 13	-362.7	Si
2104	-25166	1237	-20971	SLE RA 12	-24.4	-25166	1237	-20971	SLE RA 12	-339.4	Si
2133	-49778	-37695	-20906	SLE RA 12	-35.5	-49778	-37695	-20906	SLE RA 12	-446.3	Si
2162	-74389	-76628	-20841	SLE RA 12	-47	-74389	-76628	-20841	SLE RA 12	-557.3	Si
2191	-99000	-115560	-20775	SLE RA 12	-62.9	-99000	-115560	-20775	SLE RA 12	-703.1	Si
2220	-123611	-154492	-20710	SLE RA 12	-75.3	-123611	-154492	-20710	SLE RA 12	-805	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1930	101313	183125	-17199	SLE QP 2	-85.2	Si
1959	81103	153162	-17135	SLE QP 2	-68.7	Si
1988	60539	122673	-17070	SLE QP 2	-53.4	Si
2017	39975	92184	-17004	SLE QP 2	-39.7	Si
2046	19411	61695	-16939	SLE QP 2	-30.3	Si
2075	-1153	31206	-16874	SLE QP 2	-21.4	Si
2104	-21717	717	-16809	SLE QP 2	-19.8	Si
2133	-42281	-29771	-16743	SLE QP 2	-28.8	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
2162	-62846	-60260	-16678	SLE QP 2	-38.1	Si
2191	-83410	-90749	-16613	SLE QP 2	-51.1	Si
2220	-103974	-121238	-16548	SLE QP 2	-61.1	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1930	106788	195797	-18046	SLE FR 6	81981	150313	150313	690.7	246.2	0.0245	33.38	0.0067	Si	Si
1959	85587	163838	-17982										No	Si
1988	64014	131318	-17917										No	Si
2017	42442	98799	-17852										No	Si
2046	17223	54819	-15668										No	Si
2075	-1829	27376	-15603										No	Si
2104	-20880	-66	-15538										No	Si
2133	-39931	-27509	-15472										No	Si
2162	-65421	-63799	-17526										No	Si
2191	-86993	-96319	-17460										No	Si
2220	-108566	-128839	-17395										No	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1930	101313	183125	-17199	SLE QP 2	83213	150409	150409	635.1	245.7	0.0245	33.39	0.0062	Si	Si
1959	81103	153162	-17135										No	Si
1988	60539	122673	-17070										No	Si
2017	39975	92184	-17004										No	Si
2046	17223	54819	-15668										No	Si
2075	-1829	27376	-15603										No	Si
2104	-20880	-66	-15538										No	Si
2133	-39931	-27509	-15472										No	Si
2162	-62846	-60260	-16678										No	Si
2191	-83410	-90749	-16613										No	Si
2220	-103974	-121238	-16548										No	Si

Verifiche nodi trave colonna

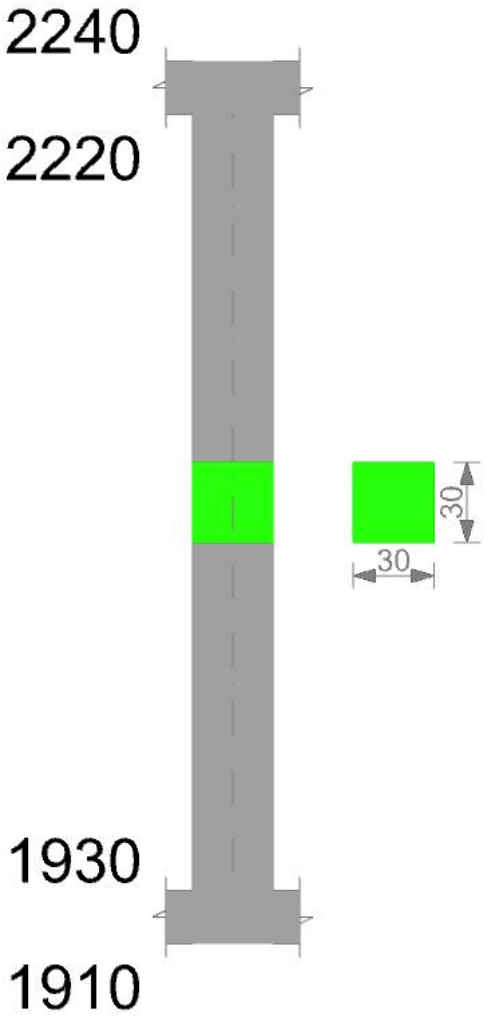
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1920 in quanto elemento di base della pilastrata.
per il nodo Appoggio 2230 in quanto nodo interno a piastra.

Pilastro H16

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1930	2220	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.1	9.67	-9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.1	9.67	9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.1	-9.67	9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.2	-9.9	0	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.2	9.9	0	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.3	-9.9	0	1.6	2.011	1910	1930	R 30x30_1	B450C
p.3	9.9	0	1.6	2.011	1910	1930	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	12.06	1.3	0	1,3	156707	10196	-2809	628544	40897	SLU 49	4.011	Si
1959	12.06	1.8	0	1,2,3	130038	10237	-2726	645081	50781	SLU 49	4.961	Si
1988	12.06	1.3	0	1,2	102902	10278	-2641	670447	66963	SLU 49	6.515	Si
2017	12.06	1.3	0	1,2	75766	10319	-2556	698551	95136	SLU 49	9.22	Si
2046	12.06	1.3	0	1,2	48629	10360	-2471	743937	158482	SLU 49	15.298	Si
2075	12.06	1.3	0	1,2	20844	10722	-2820	664305	341703	SLU 51	31.87	Si
2104	12.06	1.3	0	1,2	-7836	8881	-3173	-357696	405428	SLU 47	45.649	Si
2133	12.06	1.3	0	1,2	-34025	9618	-2650	-764586	216128	SLU 51	22.471	Si
2162	12.06	1.3	0	1,2	-59916	10524	-2132	-696645	122360	SLU 49	11.627	Si
2191	12.06	1.3	0	1,2	-87052	10565	-2047	-652615	79202	SLU 49	7.497	Si
2220	16.59	2.7	0	1,2	-114188	10606	-1962	-792296	73588	SLU 49	6.939	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1930	12.06	1.3	0	1,3	276365	-199653	-1330	-2.02	1.92	314881	-227478	SLV 15	1.139				Si
1959	12.06	1.8	0	1,2,3	228470	-165754	-1266	-2.02	1.92	316069	-229306	SLV 15	1.383				Si
1988	12.06	1.3	0	1,2	179743	-131262	-1201	-2.02	1.92	318230	-232396	SLV 15	1.77				Si
2017	12.06	1.3	0	1,2	131032	-96773	-1136	-2.02	1.92	321879	-237723	SLV 15	2.456				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
2046	12.06	1.3	0	1,2	82367	-62292	-1070	-2.02	1.92	329920	-249512	SLV 15	4.005				Si
2075	12.06	1.3	0	1,2	29647	-26903	-858	-2.02	1.92	345975	-313951	SLV 11	11.67				Si
2104	12.06	1.3	0	1,2	-16926	11561	-1398	-2.02	1.92	-471690	322175	SLV 13	27.868				Si
2133	12.06	1.3	0	1,2	-64385	41333	-875	-2.02	1.92	-349443	224326	SLV 15	5.427				Si
2162	12.06	1.3	0	1,2	-113010	75783	-809	-2.02	1.92	-328004	219956	SLV 15	2.902				Si
2191	12.06	1.3	0	1,2	-161710	110265	-744	-2.02	1.92	-320013	218206	SLV 15	1.979				Si
2220	16.59	2.7	0	1,2	-210434	144754	-679	-2.02	1.92	-406458	279596	SLV 15	1.932				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	12.06	1.3	0	1,3	173227	-77276	-1779	371810	-165863	SLD 15	2.146	Si
1959	12.06	1.8	0	1,2,3	143286	-63534	-1715	377671	-167463	SLD 15	2.636	Si
1988	12.06	1.3	0	1,2	112823	-49552	-1649	387472	-170180	SLD 15	3.434	Si
2017	12.06	1.3	0	1,2	82365	-35572	-1584	405007	-174914	SLD 15	4.917	Si
2046	12.06	1.3	0	1,2	51925	-21595	-1519	447776	-186223	SLD 15	8.624	Si
2075	12.06	1.3	0	1,2	18317	14310	-1643	450411	351889	SLD 13	24.59	Si
2104	12.06	1.3	0	1,2	-9739	8271	-1577	-444015	377097	SLD 13	45.591	Si
2133	12.06	1.3	0	1,2	-39675	20414	-1323	-441267	227048	SLD 15	11.122	Si
2162	12.06	1.3	0	1,2	-70100	34379	-1258	-389154	190851	SLD 15	5.551	Si
2191	12.06	1.3	0	1,2	-100554	48357	-1193	-370930	178381	SLD 15	3.689	Si
2220	16.59	2.7	0	1,2	-131016	62337	-1127	-466763	222086	SLD 15	3.563	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	-106	-3411	SLU 31	4208	24464	25004	1.85	230.57	-936	-2809	SLU 49	4107	20522	21252	2.35	21.93	Si
1959	3X/2Y Ø8/10	-106	-3328	SLU 31	4198	24464	24991	1.85	230.57	-936	-2726	SLU 49	4096	20522	21241	2.35	21.93	Si
1988	3X/2Y Ø8/10	-106	-3243	SLU 31	4187	24464	24977	1.85	230.57	-936	-2641	SLU 49	4086	20522	21230	2.35	21.93	Si
2017	3X/2Y Ø8/10	-106	-3158	SLU 31	4176	24464	24964	1.85	230.57	-936	-2556	SLU 49	4075	20522	21219	2.35	21.93	Si
2046	3X/2Y Ø8/10	-106	-3074	SLU 31	4166	24464	24951	1.85	230.57	-946	-2905	SLU 51	4118	20522	21265	2.35	21.69	Si
2075	3X/2Y Ø8/10	-106	-2989	SLU 31	4155	24464	24938	1.85	230.57	-946	-2820	SLU 51	4108	20522	21254	2.35	21.69	Si
2104	3X/2Y Ø8/10	-106	-2904	SLU 31	4145	24464	24924	1.85	230.57	-946	-2735	SLU 51	4098	20522	21243	2.35	21.69	Si
2133	3X/2Y Ø8/10	-106	-2819	SLU 31	4134	24464	24911	1.85	230.57	-946	-2650	SLU 51	4087	20522	21231	2.35	21.69	Si
2162	3X/2Y Ø8/10	-106	-2734	SLU 31	4124	24464	24898	1.85	230.57	-946	-2565	SLU 51	4077	20522	21220	2.35	21.69	Si
2191	3X/2Y Ø8/10	-106	-2649	SLU 31	4113	24464	24885	1.85	230.57	-946	-2480	SLU 51	4066	20522	21209	2.35	21.69	Si
2220	3X/2Y Ø8/10	-106	-2565	SLU 31	4103	24464	24871	1.85	230.57	-946	-2396	SLU 51	4081	20717	21399	2.35	21.9	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	-1502	-3040	SLV 5	4162	24464	24946	1.85	16.29	-1681	-1330	SLV 15	3924	20522	21055	2.35	12.21	Si
1959	3X/2Y Ø8/10	-1502	-2976	SLV 5	4154	24464	24936	1.85	16.29	-1681	-1266	SLV 15	3916	20522	21047	2.35	12.21	Si
1988	3X/2Y Ø8/10	-1502	-2911	SLV 5	4146	24464	24925	1.85	16.29	-1681	-1201	SLV 15	3908	20522	21038	2.35	12.21	Si
2017	3X/2Y Ø8/10	-1502	-2846	SLV 5	4138	24464	24915	1.85	16.29	-1681	-1136	SLV 15	3900	20522	21029	2.35	12.21	Si
2046	3X/2Y Ø8/10	-1502	-2780	SLV 5	4129	24464	24905	1.85	16.29	-1681	-1070	SLV 15	3892	20522	21021	2.35	12.21	Si
2075	3X/2Y Ø8/10	-1502	-2715	SLV 5	4121	24464	24895	1.85	16.29	-1681	-1005	SLV 15	3884	20522	21012	2.35	12.21	Si
2104	3X/2Y Ø8/10	-1502	-2650	SLV 5	4113	24464	24885	1.85	16.29	-1681	-940	SLV 15	3876	20522	21003	2.35	12.21	Si
2133	3X/2Y Ø8/10	-1502	-2585	SLV 5	4105	24464	24874	1.85	16.29	-1681	-875	SLV 15	3868	20522	20995	2.35	12.21	Si
2162	3X/2Y Ø8/10	-1502	-2519	SLV 5	4097	24464	24864	1.85	16.29	-1681	-809	SLV 15	3860	20522	20986	2.35	12.21	Si
2191	3X/2Y Ø8/10	-1502	-2454	SLV 5	4089	24464	24854	1.85	16.29	-1681	-744	SLV 15	3852	20522	20977	2.35	12.21	Si
2220	3X/2Y Ø8/10	-1502	-2389	SLV 5	4081	24464	24844	1.85	16.29	-1681	-679	SLV 15	3868	20717	21168	2.35	12.32	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	-631	-2498	SLD 5	4094	28431	22726	2.15	36.01	-1051	-1779	SLD 15	3980	21832	20209	2.5	19.23	Si
1959	3X/2Y Ø8/10	-631	-2434	SLD 5	4086	28431	22717	2.15	36	-1051	-1715	SLD 15	3972	21832	20201	2.5	19.23	Si
1988	3X/2Y Ø8/10	-631	-2369	SLD 5	4078	28431	22707	2.15	35.98	-1051	-1649	SLD 15	3964	21832	20192	2.5	19.22	Si
2017	3X/2Y Ø8/10	-631	-2304	SLD 5	4070	28431	22698	2.15	35.97	-1051	-1584	SLD 15	3956	21832	20184	2.5	19.21	Si
2046	3X/2Y Ø8/10	-631	-2238	SLD 5	4062	28431	22689	2.15	35.95	-1051	-1519	SLD 15	3948	21832	20176	2.5	19.2	Si
2075	3X/2Y Ø8/10	-631	-2173	SLD 5	4054	28431	22680	2.15	35.94	-1051	-1454	SLD 15	3940	21832	20167	2.5	19.19	Si
2104	3X/2Y Ø8/10	-631	-2108	SLD 5	4046	28431	22670	2.15	35.92	-1051	-1388	SLD 15	3931	21832	20159	2.5	19.19	Si
2133	3X/2Y Ø8/10	-631	-2043	SLD 5	4038	28431	22661	2.15	35.91	-1051	-1323	SLD 15	3923	21832	20151	2.5	19.18	Si
2162	3X/2Y Ø8/10	-631	-1977	SLD 5	4029	28431	22652	2.15	35.89	-1051	-1258	SLD 15	3915	21832	20142	2.5	19.17	Si
2191	3X/2Y Ø8/10	-631	-1912	SLD 5	4021	28431	22642	2.15	35.88	-1051	-1193	SLD 15	3907	21832	20134	2.5	19.16	Si
2220	3X/2Y Ø8/10	-631	-1847	SLD 5	4013	28431	22633	2.15	35.87	-1051	-1127	SLD 15	3924	22039	20317	2.5	19.34	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1930	110270	11238	-2392	SLE RA 12	-42.5	109712	9054	-2103	SLE RA 10	887.9	Si
1959	91388	10596	-2328	SLE RA 12	-35.6	91025	8801	-2039	SLE RA 10	714.8	Si
1988	72175	9944	-2263	SLE RA 12	-17.6	72175	9944	-2263	SLE RA 12	-181.3	Si
2017	52961	9291	-2198	SLE RA 12	-13.8	52961	9291	-2198	SLE RA 12	-143.9	Si
2046	33748	8639	-2132	SLE RA 12	-9.9	33748	8639	-2132	SLE RA 12	-106.5	Si
2075	14535	7987	-2067	SLE RA 12	-6.1	12802	7704	-2360	SLE RA 8	-69.5	Si
2104	-5509	6475	-2294	SLE RA 8	-4.3	-5509	6475	-2294	SLE RA 8	-53.1	Si
2133	-23820	5246	-2229	SLE RA 8	-7.5	-23820	5246	-2229	SLE RA 8	-83.8	Si
2162	-43106	6029	-1871	SLE RA 12	-11	-43106	6029	-1871	SLE RA 12	-115.6	Si
2191	-62319	5377	-1806	SLE RA 12	-14.5	-62319	5377	-1806	SLE RA 12	-149	Si
2220	-80105	6487	-1452	SLE RA 10	-26.6	-80105	6487	-1452	SLE RA 10	502.3	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1930	93871	10005	-2112	SLE QP 2	-36.3	Si
1959	77710	9336	-2048	SLE QP 2	-30.4	Si
1988	61266	8656	-1982	SLE QP 2	-15	Si
2017	44821	7975	-1917	SLE QP 2	-11.7	Si
2046	28377	7295	-1852	SLE QP 2	-8.4	Si
2075	11933	6614	-1787	SLE QP 2	-5.1	Si
2104	-4512	5934	-1721	SLE QP 2	-3.5	Si
2133	-20956	5253	-1656	SLE QP 2	-6.5	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
2162	-37400	4573	-1591	SLE QP 2	-9.4	Si
2191	-53844	3892	-1526	SLE QP 2	-12.4	Si
2220	-70289	3212	-1460	SLE QP 2	-14.5	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

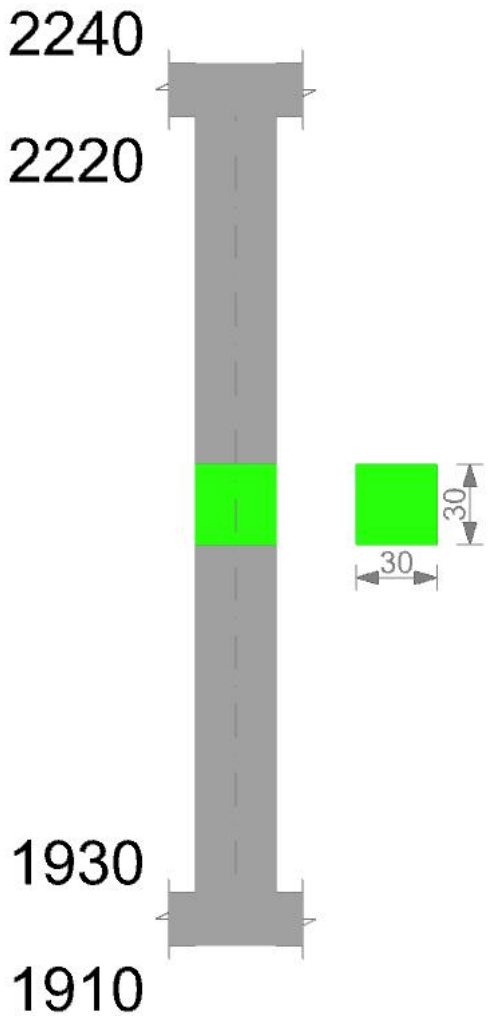
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1920 in quanto elemento di base della pilastrata.
per il nodo Appoggio 2230 in quanto nodo interno a piastra.

Pilastro H17

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1930	2220	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.1	9.67	-9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.1	9.67	9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.1	-9.67	9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.2	-9.9	0	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.2	9.9	0	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.3	-9.9	0	1.6	2.011	1910	1930	R 30x30_1	B450C
p.3	9.9	0	1.6	2.011	1910	1930	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	12.06	1.3	0	1,3	-176794	-298069	-7524	-338987	-571519	SLU 52	1.917	Si
1959	12.06	1.8	0	1,2,3	-148789	-263427	-7439	-334275	-591821	SLU 52	2.247	Si
1988	12.06	1.3	0	1,2	-120785	-228785	-7354	-326959	-619311	SLU 52	2.707	Si
2017	12.06	1.3	0	1,2	-92780	-194143	-7269	-315244	-659652	SLU 52	3.398	Si
2046	12.06	1.3	0	1,2	-64775	-159501	-7184	-293359	-722361	SLU 52	4.529	Si
2075	12.06	1.3	0	1,2	-36770	-124859	-7100	-243360	-826368	SLU 52	6.618	Si
2104	12.06	1.3	0	1,2	-14029	-90217	-7015	-143350	-921818	SLU 52	10.218	Si
2133	12.06	1.3	0	1,2	21452	-57358	-6269	290161	-775820	SLU 49	13.526	Si
2162	12.06	1.3	0	1,2	49724	-24537	-6184	678873	-335005	SLU 49	13.653	Si
2191	12.06	1.3	0	1,2	77995	12198	-6099	815558	127550	SLU 49	10.456	Si
2220	16.59	2.7	0	1,2	103254	48351	-6675	787869	368939	SLU 52	7.63	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1930	12.06	1.3	0	1,3	-338626	-230986	-4757	-2.02	1.92	-344354	-234893	SLV 1	1.017				Si
1959	12.06	1.8	0	1,2,3	-279018	-200746	-4692	-2.02	1.92	-345601	-248650	SLV 1	1.239				Si
1988	12.06	1.3	0	1,2	-219411	-170506	-4627	-2.02	1.92	-347912	-270366	SLV 1	1.586				Si
2017	12.06	1.3	0	1,2	-159805	-96392	-4561	-2.02	1.92	-403354	-243298	SLV 1	2.524				Si
2046	12.06	1.3	0	1,2	24334	-135610	-3981	-2.02	1.92	110476	-615667	SLV 15	4.54				Si
2075	12.06	1.3	0	1,2	-17704	-84949	-4944	-2.02	1.92	-141733	-680086	SLV 7	8.006				Si
2104	12.06	1.3	0	1,2	-28509	-53547	-3850	-2.02	1.92	-284695	-534731	SLV 15	9.986				Si
2133	12.06	1.3	0	1,2	60319	-51477	-3542	-2.02	1.92	418138	-356841	SLV 5	6.932				Si
2162	12.06	1.3	0	1,2	138265	11015	-4235	-2.02	1.92	541050	43102	SLV 1	3.913				Si
2191	12.06	1.3	0	1,2	197872	41246	-4170	-2.02	1.92	459431	95767	SLV 1	2.322				Si
2220	16.59	2.7	0	1,2	257479	71483	-4105	-2.02	1.92	554650	153986	SLV 1	2.154				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	12.06	1.3	0	1,3	-202330	-197145	-4615	-319846	-311650	SLD 1	1.581	Si
1959	12.06	1.8	0	1,2,3	-167788	-172599	-4549	-320945	-330148	SLD 1	1.913	Si
1988	12.06	1.3	0	1,2	-115755	-171726	-4649	-278879	-413725	SLD 3	2.409	Si
2017	12.06	1.3	0	1,2	-86318	-121469	-4583	-312672	-440003	SLD 3	3.622	Si
2046	12.06	1.3	0	1,2	-56881	-81123	-4518	-327703	-467367	SLD 3	5.761	Si
2075	12.06	1.3	0	1,2	-19994	-76747	-4507	-169713	-651456	SLD 7	8.488	Si
2104	12.06	1.3	0	1,2	-15086	-51710	-3993	-186556	-639441	SLD 15	12.366	Si
2133	12.06	1.3	0	1,2	31725	-39592	-3828	365968	-456714	SLD 5	11.536	Si
2162	12.06	1.3	0	1,2	61236	-27618	-3763	526848	-237613	SLD 5	8.604	Si
2191	12.06	1.3	0	1,2	108554	23787	-4027	537909	117871	SLD 1	4.955	Si
2220	16.59	2.7	0	1,2	143095	48331	-3962	594758	200882	SLD 1	4.156	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	1195	-7524	SLU 52	4720	25125	25268	1.9	21.03	975	-6863	SLU 49	4607	20959	21474	2.4	21.5	Si
1959	3X/2Y Ø8/10	1195	-7439	SLU 52	4709	25125	25255	1.9	21.03	975	-6778	SLU 49	4596	20959	21463	2.4	21.5	Si
1988	3X/2Y Ø8/10	1195	-7354	SLU 52	4699	25125	25242	1.9	21.03	975	-6693	SLU 49	4586	20959	21452	2.4	21.5	Si
2017	3X/2Y Ø8/10	1195	-7269	SLU 52	4688	25125	25229	1.9	21.03	975	-6608	SLU 49	4575	20959	21441	2.4	21.5	Si
2046	3X/2Y Ø8/10	1195	-7184	SLU 52	4678	25125	25216	1.9	21.03	975	-6523	SLU 49	4565	20959	21430	2.4	21.5	Si
2075	3X/2Y Ø8/10	1195	-7100	SLU 52	4667	25125	25203	1.9	21.03	975	-6438	SLU 49	4554	20959	21419	2.4	21.5	Si
2104	3X/2Y Ø8/10	1195	-7015	SLU 52	4657	25125	25190	1.9	21.03	975	-6354	SLU 49	4544	20959	21408	2.4	21.5	Si
2133	3X/2Y Ø8/10	1195	-6930	SLU 52	4646	25125	25177	1.9	21.03	975	-6269	SLU 49	4533	20959	21396	2.4	21.5	Si
2162	3X/2Y Ø8/10	1195	-6845	SLU 52	4635	25125	25163	1.9	21.03	975	-6184	SLU 49	4523	20959	21385	2.4	21.5	Si
2191	3X/2Y Ø8/10	1195	-6760	SLU 52	4625	25125	25150	1.9	21.03	975	-6099	SLU 49	4512	20959	21374	2.4	21.5	Si
2220	3X/2Y Ø8/10	1195	-6675	SLU 52	4614	25125	25137	1.9	21.03	975	-6014	SLU 49	4532	21158	21566	2.4	21.7	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	1664	-5270	SLV 7	4439	24464	25294	1.85	14.7	2055	-4757	SLV 1	4347	20959	21198	2.4	10.2	Si
1959	3X/2Y Ø8/10	1664	-5205	SLV 7	4431	24464	25284	1.85	14.7	2055	-4692	SLV 1	4339	20959	21189	2.4	10.2	Si
1988	3X/2Y Ø8/10	1664	-5139	SLV 7	4423	24464	25274	1.85	14.7	2055	-4627	SLV 1	4331	20959	21181	2.4	10.2	Si
2017	3X/2Y Ø8/10	1664	-5074	SLV 7	4415	24464	25263	1.85	14.7	2055	-4561	SLV 1	4323	20959	21172	2.4	10.2	Si
2046	3X/2Y Ø8/10	1664	-5009	SLV 7	4407	24464	25253	1.85	14.7	2055	-4496	SLV 1	4315	20959	21164	2.4	10.2	Si
2075	3X/2Y Ø8/10	1664	-4944	SLV 7	4399	24464	25243	1.85	14.7	2055	-4431	SLV 1	4307	20959	21155	2.4	10.2	Si
2104	3X/2Y Ø8/10	1664	-4878	SLV 7	4391	24464	25233	1.85	14.7	2055	-4366	SLV 1	4299	20959	21147	2.4	10.2	Si
2133	3X/2Y Ø8/10	1664	-4813	SLV 7	4382	24464	25223	1.85	14.7	2055	-4300	SLV 1	4291	20959	21138	2.4	10.2	Si
2162	3X/2Y Ø8/10	1664	-4748	SLV 7	4374	24464	25212	1.85	14.7	2055	-4235	SLV 1	4283	20959	21129	2.4	10.2	Si
2191	3X/2Y Ø8/10	1664	-4683	SLV 7	4366	24464	25202	1.85	14.7	2055	-4170	SLV 1	4274	20959	21121	2.4	10.2	Si
2220	3X/2Y Ø8/10	1664	-4617	SLV 7	4358	24464	25192	1.85	14.7	2055	-4105	SLV 1	4294	21158	21313	2.4	10.29	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	1120	-4833	SLD 7	4385	29092	22717	2.2	20.28	1191	-4615	SLD 1	4329	21832	20571	2.5	17.27	Si
1959	3X/2Y Ø8/10	1120	-4768	SLD 7	4377	29092	22708	2.2	20.27	1191	-4549	SLD 1	4321	21832	20562	2.5	17.26	Si
1988	3X/2Y Ø8/10	1120	-4702	SLD 7	4369	29092	22699	2.2	20.26	1191	-4484	SLD 1	4313	21832	20554	2.5	17.26	Si
2017	3X/2Y Ø8/10	1120	-4637	SLD 7	4361	29092	22689	2.2	20.25	1191	-4419	SLD 1	4305	21832	20546	2.5	17.25	Si
2046	3X/2Y Ø8/10	1120	-4572	SLD 7	4352	29092	22680	2.2	20.24	1191	-4354	SLD 1	4297	21832	20537	2.5	17.24	Si
2075	3X/2Y Ø8/10	1120	-4507	SLD 7	4344	29092	22671	2.2	20.24	1191	-4288	SLD 1	4289	21832	20529	2.5	17.24	Si
2104	3X/2Y Ø8/10	1120	-4441	SLD 7	4336	29092	22662	2.2	20.23	1191	-4223	SLD 1	4281	21832	20521	2.5	17.23	Si
2133	3X/2Y Ø8/10	1120	-4376	SLD 7	4328	29092	22653	2.2	20.22	1191	-4158	SLD 1	4273	21832	20512	2.5	17.22	Si
2162	3X/2Y Ø8/10	1120	-4311	SLD 7	4320	29092	22643	2.2	20.21	1191	-4093	SLD 1	4265	21832	20504	2.5	17.21	Si
2191	3X/2Y Ø8/10	1120	-4246	SLD 7	4312	29092	22634	2.2	20.2	1191	-4027	SLD 1	4257	21832	20496	2.5	17.21	Si
2220	3X/2Y Ø8/10	1120	-4180	SLD 7	4304	29092	22625	2.2	20.2	1191	-3962	SLD 1	4277	22039	20682	2.5	17.36	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1930	-122962	-213684	-5422	SLE RA 13	-113	-122962	-213684	-5422	SLE RA 13	1854.9	Si
1959	-103561	-188712	-5357	SLE RA 13	-97.3	-103561	-188712	-5357	SLE RA 13	1556.1	Si
1988	-84160	-163740	-5292	SLE RA 13	-81.6	-83490	-159380	-4870	SLE RA 11	1258.8	Si
2017	-64758	-138768	-5227	SLE RA 13	-66	-63960	-135488	-4805	SLE RA 11	972	Si
2046	-45357	-113795	-5161	SLE RA 13	-50.5	-44431	-111595	-4739	SLE RA 11	691.5	Si
2075	-25955	-88823	-5096	SLE RA 13	-35.3	-24836	-87584	-4655	SLE RA 10	422.2	Si
2104	-6554	-63851	-5031	SLE RA 13	-17.2	-6554	-63851	-5031	SLE RA 13	-191.2	Si
2133	14323	-40068	-4525	SLE RA 10	-14	13013	-39029	-4947	SLE RA 12	-159.4	Si
2162	33902	-16310	-4460	SLE RA 10	-13.5	33902	-16310	-4460	SLE RA 10	-152.2	Si
2191	51650	11065	-4835	SLE RA 13	-16.3	51650	11065	-4835	SLE RA 13	-181.1	Si
2220	71052	36037	-4770	SLE RA 13	-31.1	73060	31206	-4329	SLE RA 10	342.2	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1930	-103149	-169717	-4500	SLE QP 2	-91.9	Si
1959	-86846	-149800	-4434	SLE QP 2	-79	Si
1988	-70542	-129882	-4369	SLE QP 2	-66.1	Si
2017	-54239	-109965	-4304	SLE QP 2	-53.3	Si
2046	-37935	-90047	-4239	SLE QP 2	-40.7	Si
2075	-21631	-70130	-4173	SLE QP 2	-20.4	Si
2104	-5328	-50213	-4108	SLE QP 2	-13.7	Si
2133	10976	-30295	-4043	SLE QP 2	-11.2	Si
2162	27279	-10378	-3978	SLE QP 2	-10.7	Si
2191	43583	9540	-3912	SLE QP 2	-13.6	Si
2220	59886	29457	-3847	SLE QP 2	-19	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1930	-108744	-180190	-4637	SLE FR 6	-66188	-109675	-109675	1592	153.5	0.0524	27.61	0.0133	Si	Si
1959	-91505	-159176	-4572	SLE FR 6	-65035	-113131	-113131	1334.4	152.6	0.0527	27.45	0.0107	Si	Si
1988	-74265	-138161	-4507	SLE FR 6	-63430	-118003	-118003	1078.3	151.5	0.0531	27.22	0.0085	Si	Si
2017	-57026	-117146	-4442										No	Si
2046	-39786	-96132	-4376										No	Si
2075	-22547	-75117	-4311										No	Si
2104	-5308	-54102	-4246										No	Si
2133	11932	-33087	-4181										No	Si
2162	29171	-12073	-4115										No	Si
2191	46411	8942	-4050										No	Si
2220	63650	29957	-3985										No	Si

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Valore limite di controllo 0,300 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
1930	-103149	-169717	-4500	SLE QP 2	-66634	-109636	-109636	1492.5	152.5	0.0527	27.6	0.012	Si	Si
1959	-86846	-149800	-4434	SLE QP 2	-65558	-113080	-113080	1248.9	151.5	0.0531	27.43	0.01	Si	Si
1988	-70542	-129882	-4369	SLE QP 2	-64059	-117945	-117945	1006.7	150.1	0.0536	27.2	0.008	Si	Si
2017	-54239	-109965	-4304										No	Si
2046	-37935	-90047	-4239										No	Si
2075	-21631	-70130	-4173										No	Si
2104	-5328	-50213	-4108										No	Si
2133	10976	-30295	-4043										No	Si
2162	27279	-10378	-3978										No	Si
2191	43583	9540	-3912										No	Si
2220	59886	29457	-3847										No	Si

Verifiche nodi trave colonna

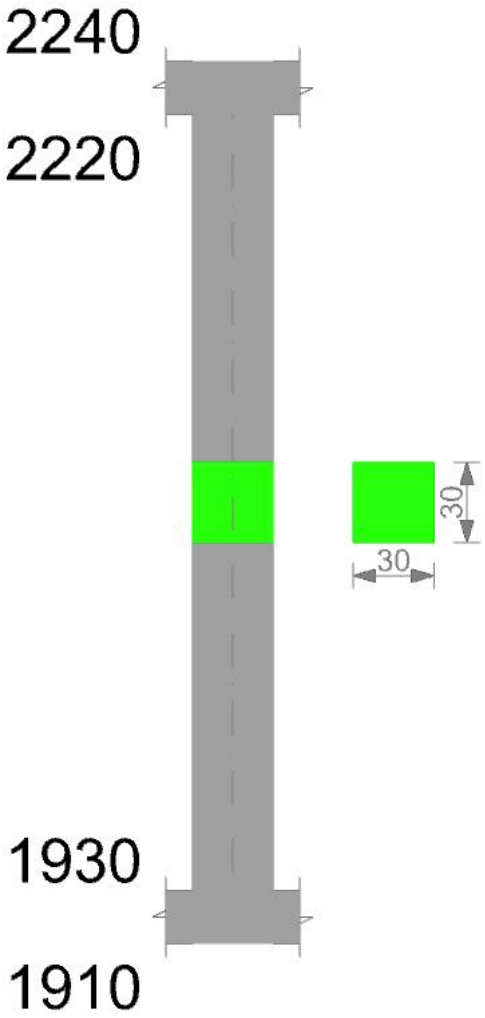
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 2230 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto elemento di base della pilastrata.

Pilastro H18

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1930	2220	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.1	9.67	-9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.1	9.67	9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.1	-9.67	9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.2	-9.9	0	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.2	9.9	0	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.3	-9.9	0	1.6	2.011	1910	1930	R 30x30_1	B450C
p.3	9.9	0	1.6	2.011	1910	1930	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	12.06	1.3	0	1,3	-109922	-85371	-851	-448857	-348604	SLU 50	4.083	Si
1959	12.06	1.8	0	1,2,3	-92044	-70436	-766	-452359	-346164	SLU 50	4.915	Si
1988	12.06	1.3	0	1,2	-74166	-55501	-681	-458055	-342779	SLU 50	6.176	Si
2017	12.06	1.3	0	1,2	-56288	-40566	-597	-467368	-336827	SLU 50	8.303	Si
2046	12.06	1.3	0	1,2	-38410	-25631	-512	-486378	-324565	SLU 50	12.663	Si
2075	12.06	1.3	0	1,2	-20532	-10696	-427	-545055	-283957	SLU 50	26.547	Si
2104	12.06	1.3	0	1,2	-8555	3257	-1450	-656725	250050	SLU 30	76.769	Si
2133	12.06	1.3	0	1,2	15224	19173	-257	374941	472197	SLU 50	24.628	Si
2162	12.06	1.3	0	1,2	33102	34108	-172	396540	408590	SLU 50	11.979	Si
2191	12.06	1.3	0	1,2	50980	49043	-88	401675	386410	SLU 50	7.879	Si
2220	16.59	2.7	0	1,2	68858	63978	-3	510194	474032	SLU 50	7.409	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1930	12.06	1.3	0	1,3	-260941	-99753	-1587	-2.02	1.92	-368894	-141022	SLV 1	1.414				Si
1959	12.06	1.8	0	1,2,3	-215069	-82963	-1522	-2.02	1.92	-371393	-143264	SLV 1	1.727				Si
1988	12.06	1.3	0	1,2	-169200	-66176	-1456	-2.02	1.92	-375597	-146899	SLV 1	2.22				Si
2017	12.06	1.3	0	1,2	-108842	-87522	-1179	-2.02	1.92	-317668	-255443	SLV 3	2.919				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
2046	12.06	1.3	0	1,2	-77496	-58575	-1113	-2.02	1.92	-333443	-252031	SLV 3	4.303				Si
2075	12.06	1.3	0	1,2	-27835	-26453	-395	-2.02	1.92	-304281	-289165	SLV 7	10.931				Si
2104	12.06	1.3	0	1,2	-20266	-3301	175	-2.02	1.92	-355941	-57977	SLV 15	17.563				Si
2133	12.06	1.3	0	1,2	60306	18181	-1130	-2.02	1.92	429331	129434	SLV 1	7.119				Si
2162	12.06	1.3	0	1,2	106147	34807	-1065	-2.02	1.92	391382	128340	SLV 1	3.687				Si
2191	12.06	1.3	0	1,2	152009	51558	-1000	-2.02	1.92	377621	128080	SLV 1	2.484				Si
2220	16.59	2.7	0	1,2	197877	68333	-934	-2.02	1.92	489523	169048	SLV 1	2.474				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	12.06	1.3	0	1,3	-150319	-69950	-1190	-361302	-168131	SLD 1	2.404	Si
1959	12.06	1.8	0	1,2,3	-124557	-57948	-1125	-364607	-169627	SLD 1	2.927	Si
1988	12.06	1.3	0	1,2	-98796	-45947	-1060	-370025	-172086	SLD 1	3.745	Si
2017	12.06	1.3	0	1,2	-66590	-50766	-903	-330401	-251884	SLD 3	4.962	Si
2046	12.06	1.3	0	1,2	-47290	-33356	-838	-350547	-247258	SLD 3	7.413	Si
2075	12.06	1.3	0	1,2	-20011	-14568	-496	-366780	-267028	SLD 7	18.329	Si
2104	12.06	1.3	0	1,2	-10028	147	-221	-508707	7438	SLD 15	50.728	Si
2133	12.06	1.3	0	1,2	30085	14222	-733	415726	196532	SLD 1	13.818	Si
2162	12.06	1.3	0	1,2	55832	26163	-668	373378	174969	SLD 1	6.688	Si
2191	12.06	1.3	0	1,2	81589	38150	-603	359350	168030	SLD 1	4.404	Si
2220	16.59	2.7	0	1,2	107349	50147	-538	463746	216634	SLD 1	4.32	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	515	-851	SLU 50	3889	24464	24604	1.85	47.5	616	-851	SLU 50	3865	20522	20991	2.35	33.29	Si
1959	3X/2Y Ø8/10	515	-766	SLU 50	3879	24464	24590	1.85	47.5	616	-766	SLU 50	3855	20522	20980	2.35	33.29	Si
1988	3X/2Y Ø8/10	515	-681	SLU 50	3868	24464	24577	1.85	47.5	616	-681	SLU 50	3844	20522	20969	2.35	33.29	Si
2017	3X/2Y Ø8/10	515	-597	SLU 50	3857	24464	24564	1.85	47.5	616	-597	SLU 50	3834	20522	20957	2.35	33.29	Si
2046	3X/2Y Ø8/10	515	-512	SLU 50	3847	24464	24551	1.85	47.5	616	-512	SLU 50	3823	20522	20946	2.35	33.29	Si
2075	3X/2Y Ø8/10	515	-427	SLU 50	3836	24464	24537	1.85	47.5	616	-427	SLU 50	3813	20522	20935	2.35	33.29	Si
2104	3X/2Y Ø8/10	515	-342	SLU 50	3826	24464	24524	1.85	47.5	616	-342	SLU 50	3802	20522	20924	2.35	33.29	Si
2133	3X/2Y Ø8/10	515	-257	SLU 50	3815	24464	24511	1.85	47.5	616	-257	SLU 50	3792	20522	20912	2.35	33.29	Si
2162	3X/2Y Ø8/10	515	-172	SLU 50	3805	24464	24498	1.85	47.5	616	-172	SLU 50	3781	20522	20901	2.35	33.29	Si
2191	3X/2Y Ø8/10	515	-88	SLU 50	3794	24464	24484	1.85	47.5	616	-88	SLU 50	3771	20522	20890	2.35	33.29	Si
2220	3X/2Y Ø8/10	515	-3	SLU 50	3784	24464	24471	1.85	47.5	616	-3	SLU 50	3784	20717	21077	2.35	33.6	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	1132	-721	SLV 7	3873	24464	24583	1.85	21.6	1582	-1587	SLV 1	3956	20522	21090	2.35	12.97	Si
1959	3X/2Y Ø8/10	1132	-656	SLV 7	3865	24464	24573	1.85	21.6	1582	-1522	SLV 1	3948	20522	21081	2.35	12.97	Si
1988	3X/2Y Ø8/10	1132	-590	SLV 7	3857	24464	24563	1.85	21.6	1582	-1456	SLV 1	3940	20522	21072	2.35	12.97	Si
2017	3X/2Y Ø8/10	1132	-525	SLV 7	3849	24464	24553	1.85	21.6	1582	-1391	SLV 1	3932	20522	21063	2.35	12.97	Si
2046	3X/2Y Ø8/10	1132	-460	SLV 7	3840	24464	24542	1.85	21.6	1582	-1326	SLV 1	3924	20522	21055	2.35	12.97	Si
2075	3X/2Y Ø8/10	1132	-395	SLV 7	3832	24464	24532	1.85	21.6	1582	-1261	SLV 1	3916	20522	21046	2.35	12.97	Si
2104	3X/2Y Ø8/10	1132	-329	SLV 7	3824	24464	24522	1.85	21.6	1582	-1195	SLV 1	3908	20522	21037	2.35	12.97	Si
2133	3X/2Y Ø8/10	1132	-264	SLV 7	3816	24464	24512	1.85	21.6	1582	-1130	SLV 1	3900	20522	21029	2.35	12.97	Si
2162	3X/2Y Ø8/10	1132	-199	SLV 7	3808	24464	24502	1.85	21.6	1582	-1065	SLV 1	3892	20522	21020	2.35	12.97	Si
2191	3X/2Y Ø8/10	1132	-134	SLV 7	3800	24464	24491	1.85	21.6	1582	-1000	SLV 1	3884	20522	21011	2.35	12.97	Si
2220	3X/2Y Ø8/10	1132	-68	SLV 7	3792	24464	24481	1.85	21.6	1582	-934	SLV 1	3900	20717	21202	2.35	13.1	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	658	-822	SLD 7	3886	28431	22487	2.15	34.16	888	-1190	SLD 1	3907	21832	20134	2.5	22.66	Si
1959	3X/2Y Ø8/10	658	-757	SLD 7	3877	28431	22477	2.15	34.14	888	-1125	SLD 1	3899	21832	20125	2.5	22.65	Si
1988	3X/2Y Ø8/10	658	-691	SLD 7	3869	28431	22468	2.15	34.13	888	-1060	SLD 1	3891	21832	20117	2.5	22.64	Si
2017	3X/2Y Ø8/10	658	-626	SLD 7	3861	28431	22459	2.15	34.11	888	-994	SLD 1	3883	21832	20109	2.5	22.63	Si
2046	3X/2Y Ø8/10	658	-561	SLD 7	3853	28431	22449	2.15	34.1	888	-929	SLD 1	3875	21832	20100	2.5	22.62	Si
2075	3X/2Y Ø8/10	658	-496	SLD 7	3845	28431	22440	2.15	34.08	888	-864	SLD 1	3867	21832	20092	2.5	22.62	Si
2104	3X/2Y Ø8/10	658	-430	SLD 7	3837	28431	22431	2.15	34.07	888	-799	SLD 1	3859	21832	20084	2.5	22.61	Si
2133	3X/2Y Ø8/10	658	-365	SLD 7	3829	28431	22421	2.15	34.06	888	-733	SLD 1	3851	21832	20075	2.5	22.6	Si
2162	3X/2Y Ø8/10	658	-300	SLD 7	3821	28431	22412	2.15	34.04	888	-668	SLD 1	3843	21832	20067	2.5	22.59	Si
2191	3X/2Y Ø8/10	658	-235	SLD 7	3812	28431	22403	2.15	34.03	888	-603	SLD 1	3835	21832	20059	2.5	22.58	Si
2220	3X/2Y Ø8/10	658	-169	SLD 7	3804	28431	22393	2.15	34.01	888	-538	SLD 1	3850	22039	20241	2.5	22.78	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1930	-77646	-58291	-708	SLE RA 11	-48.8	-77646	-58291	-708	SLE RA 11	940.4	Si
1959	-65092	-48038	-642	SLE RA 11	-40.6	-65092	-48038	-642	SLE RA 11	779.3	Si
1988	-52537	-37785	-577	SLE RA 11	-32.4	-52537	-37785	-577	SLE RA 11	617.7	Si
2017	-40991	-27197	-728	SLE RA 13	-13.3	-40991	-27197	-728	SLE RA 13	-132.1	Si
2046	-28557	-17067	-663	SLE RA 13	-9.1	-28383	-15318	-959	SLE RA 9	-91.8	Si
2075	-16816	-6239	-894	SLE RA 9	-5.1	-16816	-6239	-894	SLE RA 9	-54	Si
2104	-5715	2246	-1023	SLE RA 4	-2.4	-5715	2246	-1023	SLE RA 4	-28.6	Si
2133	10162	13587	-257	SLE RA 10	-4.6	10162	13587	-257	SLE RA 10	-45.5	Si
2162	22790	23734	-186	SLE RA 11	-8.7	22790	23734	-186	SLE RA 11	-85.2	Si
2191	35345	33987	-120	SLE RA 11	-12.9	35345	33987	-120	SLE RA 11	-124.9	Si
2220	47899	44241	-55	SLE RA 11	-28.1	47899	44241	-55	SLE RA 11	506.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1930	-67454	-45642	-901	SLE QP 2	-40.4	Si
1959	-56676	-37596	-836	SLE QP 2	-33.6	Si
1988	-45898	-29550	-771	SLE QP 2	-14.7	Si
2017	-35120	-21504	-706	SLE QP 2	-11.1	Si
2046	-24341	-13458	-640	SLE QP 2	-7.6	Si
2075	-13563	-5412	-575	SLE QP 2	-4.1	Si
2104	-2970	2315	-591	SLE QP 1	-1.5	Si
2133	7993	10679	-445	SLE QP 2	-3.8	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
2162	18771	18725	-379	SLE QP 2	-7.2	Si
2191	29549	26771	-314	SLE QP 2	-10.7	Si
2220	40328	34817	-249	SLE QP 2	-13.2	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

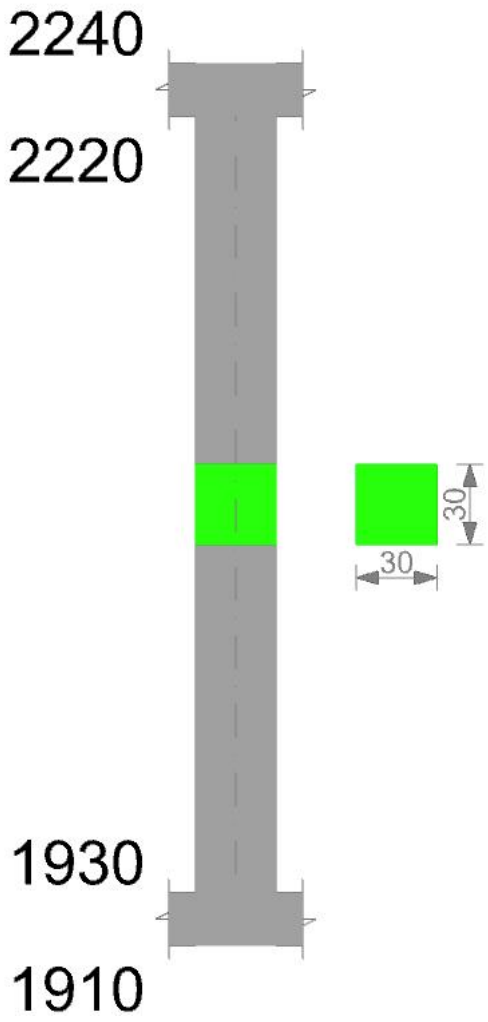
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1920 in quanto elemento di base della pilastrata.
per il nodo Appoggio 2230 in quanto nodo interno a piastra.

Pilastro H19

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1930	2220	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.1	9.67	-9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.1	9.67	9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.1	-9.67	9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.2	-9.9	0	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.2	9.9	0	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.3	-9.9	0	1.6	2.011	1910	1930	R 30x30_1	B450C
p.3	9.9	0	1.6	2.011	1910	1930	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	12.06	1.3	0	1,3	58607	-162707	-3356	223628	-620843	SLU 52	3.816	Si
1959	12.06	1.8	0	1,2,3	57378	-144137	-3271	248305	-623754	SLU 52	4.327	Si
1988	12.06	1.3	0	1,2	56150	-125567	-3186	280347	-626939	SLU 52	4.993	Si
2017	12.06	1.3	0	1,2	54921	-106997	-3101	316404	-616421	SLU 52	5.761	Si
2046	12.06	1.3	0	1,2	53692	-88428	-3016	358743	-590826	SLU 52	6.681	Si
2075	12.06	1.3	0	1,2	52464	-69858	-2931	416613	-554739	SLU 52	7.941	Si
2104	12.06	1.3	0	1,2	51235	-51288	-2847	496348	-496861	SLU 52	9.688	Si
2133	12.06	1.3	0	1,2	49644	-33179	-2540	584284	-390500	SLU 49	11.77	Si
2162	12.06	1.3	0	1,2	48833	-15766	-2455	707457	-228401	SLU 49	14.487	Si
2191	12.06	1.3	0	1,2	48022	4729	-2364	770345	75859	SLU 50	16.041	Si
2220	16.59	2.7	0	1,2	46320	22992	-2507	764455	379451	SLU 52	16.504	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1930	12.06	1.3	0	1,3	-212026	-166778	-1152	-2.02	1.92	-307575	-241936	SLV 1	1.451				Si
1959	12.06	1.8	0	1,2,3	-177078	-145226	-1087	-2.02	1.92	-304598	-249809	SLV 1	1.72				Si
1988	12.06	1.3	0	1,2	156736	-128645	-2684	-2.02	1.92	330353	-271146	SLV 11	2.108				Si
2017	12.06	1.3	0	1,2	169975	-127314	-2847	-2.02	1.92	340717	-255202	SLV 15	2.005				Si
2046	12.06	1.3	0	1,2	133672	-107318	-2781	-2.02	1.92	342837	-275246	SLV 15	2.565				Si
2075	12.06	1.3	0	1,2	97431	-75982	-2716	-2.02	1.92	366350	-285700	SLV 15	3.76				Si
2104	12.06	1.3	0	1,2	61500	-45722	-2651	-2.02	1.92	422668	-314230	SLV 15	6.873				Si
2133	12.06	1.3	0	1,2	29470	-11773	-695	-2.02	1.92	428171	-171055	SLV 1	14.529				Si
2162	12.06	1.3	0	1,2	62876	21360	-916	-2.02	1.92	405490	137751	SLV 3	6.449				Si
2191	12.06	1.3	0	1,2	103026	28289	-565	-2.02	1.92	384533	105588	SLV 1	3.732				Si
2220	16.59	2.7	0	1,2	137897	49699	-500	-2.02	1.92	482010	173721	SLV 1	3.495				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	12.06	1.3	0	1,3	106655	-128760	-2390	285566	-344751	SLD 11	2.677	Si
1959	12.06	1.8	0	1,2,3	95262	-112661	-2325	292449	-345864	SLD 11	3.07	Si
1988	12.06	1.3	0	1,2	83873	-96563	-2259	301903	-347582	SLD 11	3.6	Si
2017	12.06	1.3	0	1,2	88960	-90950	-2285	318852	-325984	SLD 15	3.584	Si
2046	12.06	1.3	0	1,2	73404	-75968	-2220	327224	-338655	SLD 15	4.458	Si
2075	12.06	1.3	0	1,2	57877	-55888	-2155	356819	-344556	SLD 15	6.165	Si
2104	12.06	1.3	0	1,2	42498	-36265	-2089	411394	-351049	SLD 15	9.68	Si
2133	12.06	1.3	0	1,2	26467	-22995	-1907	421720	-366398	SLD 13	15.934	Si
2162	12.06	1.3	0	1,2	42779	5667	-1309	526324	69727	SLD 3	12.303	Si
2191	12.06	1.3	0	1,2	59138	15271	-1126	439471	113487	SLD 1	7.431	Si
2220	16.59	2.7	0	1,2	73283	31073	-1061	509646	216097	SLD 1	6.955	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	640	-3356	SLU 52	4201	24464	24995	1.85	38.2	-119	-3242	SLU 34	4160	20959	20999	2.4	176.47	Si
1959	3X/2Y Ø8/10	640	-3271	SLU 52	4190	24464	24982	1.85	38.2	-119	-3157	SLU 34	4150	20959	20988	2.4	176.47	Si
1988	3X/2Y Ø8/10	640	-3186	SLU 52	4180	24464	24968	1.85	38.2	-119	-3073	SLU 34	4139	20959	20977	2.4	176.47	Si
2017	3X/2Y Ø8/10	640	-3101	SLU 52	4169	24464	24955	1.85	38.2	-119	-2988	SLU 34	4129	20959	20966	2.4	176.47	Si
2046	3X/2Y Ø8/10	640	-3016	SLU 52	4159	24464	24942	1.85	38.2	-119	-2903	SLU 34	4118	20522	21265	2.35	172.8	Si
2075	3X/2Y Ø8/10	640	-2931	SLU 52	4148	24464	24929	1.85	38.2	-119	-2818	SLU 34	4108	20522	21254	2.35	172.8	Si
2104	3X/2Y Ø8/10	640	-2847	SLU 52	4138	24464	24915	1.85	38.2	-119	-2733	SLU 34	4097	20522	21242	2.35	172.8	Si
2133	3X/2Y Ø8/10	640	-2762	SLU 52	4127	24464	24902	1.85	38.2	-119	-2648	SLU 34	4087	20522	21231	2.35	172.8	Si
2162	3X/2Y Ø8/10	640	-2677	SLU 52	4117	24464	24889	1.85	38.2	-119	-2564	SLU 34	4076	20522	21220	2.35	172.8	Si
2191	3X/2Y Ø8/10	640	-2592	SLU 52	4106	24464	24876	1.85	38.2	-119	-2479	SLU 34	4066	20522	21208	2.35	172.8	Si
2220	3X/2Y Ø8/10	640	-2507	SLU 52	4095	24464	24862	1.85	38.2	-119	-2394	SLU 34	4081	20717	21398	2.35	174.44	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	1122	-2334	SLV 7	4074	24464	24835	1.85	21.81	-1254	-3042	SLV 15	4135	20959	20973	2.4	16.72	Si
1959	3X/2Y Ø8/10	1122	-2268	SLV 7	4066	24464	24825	1.85	21.81	-1254	-2977	SLV 15	4127	20959	20964	2.4	16.72	Si
1988	3X/2Y Ø8/10	1122	-2203	SLV 7	4058	24464	24815	1.85	21.81	-1254	-2912	SLV 15	4119	20522	21266	2.35	16.37	Si
2017	3X/2Y Ø8/10	1122	-2138	SLV 7	4049	24464	24805	1.85	21.81	-1254	-2847	SLV 15	4111	20522	21257	2.35	16.37	Si
2046	3X/2Y Ø8/10	1122	-2073	SLV 7	4041	24464	24794	1.85	21.81	-1254	-2781	SLV 15	4103	20522	21249	2.35	16.37	Si
2075	3X/2Y Ø8/10	1122	-2007	SLV 7	4033	24464	24784	1.85	21.81	-1254	-2716	SLV 15	4095	20522	21240	2.35	16.37	Si
2104	3X/2Y Ø8/10	1122	-1942	SLV 7	4025	24464	24774	1.85	21.81	-1254	-2651	SLV 15	4087	20522	21231	2.35	16.37	Si
2133	3X/2Y Ø8/10	1122	-1877	SLV 7	4017	24464	24764	1.85	21.81	-1254	-2586	SLV 15	4079	20522	21223	2.35	16.37	Si
2162	3X/2Y Ø8/10	1122	-1812	SLV 7	4009	24464	24754	1.85	21.81	-1254	-2520	SLV 15	4071	20522	21214	2.35	16.37	Si
2191	3X/2Y Ø8/10	1122	-1746	SLV 7	4001	24464	24743	1.85	21.81	-1254	-2455	SLV 15	4063	20522	21205	2.35	16.37	Si
2220	3X/2Y Ø8/10	1122	-1681	SLV 7	3993	24464	24733	1.85	21.81	-1254	-2390	SLV 15	4081	20717	21398	2.35	16.52	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	702	-2195	SLD 7	4056	28431	22683	2.15	32.32	-537	-2481	SLD 15	4066	21832	20298	2.5	37.78	Si
1959	3X/2Y Ø8/10	702	-2130	SLD 7	4048	28431	22673	2.15	32.31	-537	-2416	SLD 15	4058	21832	20290	2.5	37.76	Si
1988	3X/2Y Ø8/10	702	-2064	SLD 7	4040	28431	22664	2.15	32.3	-537	-2350	SLD 15	4050	21832	20282	2.5	37.75	Si
2017	3X/2Y Ø8/10	702	-1999	SLD 7	4032	28431	22655	2.15	32.28	-537	-2285	SLD 15	4042	21832	20273	2.5	37.73	Si
2046	3X/2Y Ø8/10	702	-1934	SLD 7	4024	28431	22645	2.15	32.27	-537	-2220	SLD 15	4034	21832	20265	2.5	37.71	Si
2075	3X/2Y Ø8/10	702	-1869	SLD 7	4016	28431	22636	2.15	32.26	-537	-2155	SLD 15	4026	21832	20257	2.5	37.7	Si
2104	3X/2Y Ø8/10	702	-1803	SLD 7	4008	28431	22627	2.15	32.24	-537	-2089	SLD 15	4018	21832	20248	2.5	37.68	Si
2133	3X/2Y Ø8/10	702	-1738	SLD 7	4000	28431	22617	2.15	32.23	-537	-2024	SLD 15	4010	21832	20240	2.5	37.67	Si
2162	3X/2Y Ø8/10	702	-1673	SLD 7	3991	28431	22608	2.15	32.22	-537	-1959	SLD 15	4002	21832	20232	2.5	37.65	Si
2191	3X/2Y Ø8/10	702	-1608	SLD 7	3983	28431	22599	2.15	32.2	-537	-1894	SLD 15	3994	21832	20223	2.5	37.64	Si
2220	3X/2Y Ø8/10	702	-1542	SLD 7	3975	28431	22589	2.15	32.19	-537	-1828	SLD 15	4011	22039	20407	2.5	37.98	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1930	44266	-118170	-2465	SLE RA 13	-52.9	44266	-118170	-2465	SLE RA 13	929.3	Si
1959	42999	-104595	-2400	SLE RA 13	-48.4	42999	-104595	-2400	SLE RA 13	825.7	Si
1988	41731	-91021	-2334	SLE RA 13	-43.7	41731	-91021	-2334	SLE RA 13	721.9	Si
2017	40464	-77447	-2269	SLE RA 13	-39	40464	-77447	-2269	SLE RA 13	619.5	Si
2046	39197	-63873	-2204	SLE RA 13	-34.3	39197	-63873	-2204	SLE RA 13	519	Si
2075	37929	-50299	-2139	SLE RA 13	-29.5	37087	-49208	-1987	SLE RA 11	422.3	Si
2104	36694	-36671	-2077	SLE RA 12	-15.4	36694	-36671	-2077	SLE RA 12	-159.1	Si
2133	35416	-23186	-2012	SLE RA 12	-12.7	35416	-23186	-2012	SLE RA 12	-132.8	Si
2162	34164	-10655	-1795	SLE RA 10	-10.1	34138	-9702	-1947	SLE RA 12	-106.5	Si
2191	32859	3998	-1878	SLE RA 13	-8.7	32859	3998	-1878	SLE RA 13	-93.4	Si
2220	31592	17572	-1812	SLE RA 13	-10.2	31592	17572	-1812	SLE RA 13	-106.7	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1930	33478	-94862	-2097	SLE QP 2	-41.6	Si
1959	32781	-83899	-2032	SLE QP 2	-38	Si
1988	32083	-72936	-1967	SLE QP 2	-34.4	Si
2017	31385	-61973	-1901	SLE QP 2	-30.8	Si
2046	30687	-51010	-1836	SLE QP 2	-16.6	Si
2075	29990	-40048	-1771	SLE QP 2	-14.4	Si
2104	29292	-29085	-1706	SLE QP 2	-12.3	Si
2133	28594	-18122	-1640	SLE QP 2	-10.2	Si
2162	27897	-7159	-1575	SLE QP 2	-8	Si
2191	27199	3804	-1510	SLE QP 2	-7.3	Si
2220	26501	14767	-1445	SLE QP 2	-8.5	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

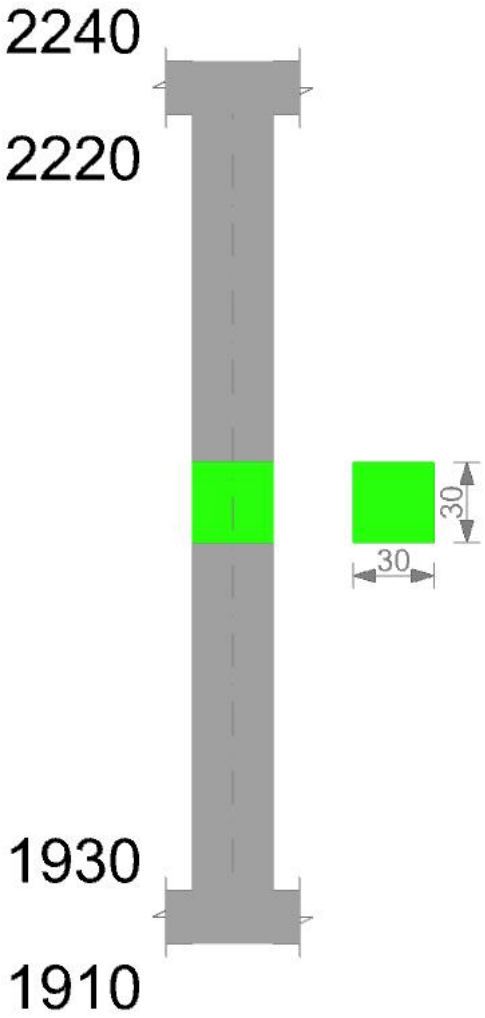
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 1920 in quanto elemento di base della pilastrata.
per il nodo Appoggio 2230 in quanto nodo interno a piastra.

Pilastro H20

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1930	2220	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.1	9.67	-9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.1	9.67	9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.1	-9.67	9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.2	-9.9	0	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.2	9.9	0	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.3	-9.9	0	1.6	2.011	1910	1930	R 30x30_1	B450C
p.3	9.9	0	1.6	2.011	1910	1930	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	12.06	1.3	0	1,3	13489	109307	-2154	80160	649582	SLU 51	5.943	Si
1959	12.06	1.8	0	1,2,3	22525	88589	-1812	162419	638789	SLU 49	7.211	Si
1988	12.06	1.3	0	1,2	32498	70696	-1727	284201	618245	SLU 49	8.745	Si
2017	12.06	1.3	0	1,2	42471	52802	-1643	410276	510072	SLU 49	9.66	Si
2046	12.06	1.3	0	1,2	52445	34908	-1558	540186	359562	SLU 49	10.3	Si
2075	12.06	1.3	0	1,2	62418	17015	-1473	617143	168231	SLU 49	9.887	Si
2104	12.06	1.3	0	1,2	72391	-2776	-1388	638511	-24486	SLU 49	8.82	Si
2133	12.06	1.3	0	1,2	82364	-18772	-1303	590111	-134497	SLU 49	7.165	Si
2162	12.06	1.3	0	1,2	92337	-36666	-1218	543021	-215626	SLU 49	5.881	Si
2191	12.06	1.3	0	1,2	102311	-54560	-1134	506404	-270052	SLU 49	4.95	Si
2220	16.59	2.7	0	1,2	112696	-76123	-1306	606029	-409357	SLU 51	5.378	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1930	12.06	1.3	0	1,3	249756	129548	-2543	-2.02	1.92	359511	186478	SLV 15	1.439				Si
1959	12.06	1.8	0	1,2,3	215718	106844	-2478	-2.02	1.92	367209	181877	SLV 15	1.702				Si
1988	12.06	1.3	0	1,2	181681	84140	-2412	-2.02	1.92	378622	175347	SLV 15	2.084				Si
2017	12.06	1.3	0	1,2	147645	61436	-2347	-2.02	1.92	396016	164785	SLV 15	2.682				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
2046	12.06	1.3	0	1,2	113614	38735	-2282	-2.02	1.92	426501	145407	SLV 15	3.754				Si
2075	12.06	1.3	0	1,2	79600	16052	-2217	-2.02	1.92	493516	99524	SLV 15	6.2				Si
2104	12.06	1.3	0	1,2	39271	-8055	-293	-2.02	1.92	403600	-82787	SLV 5	10.277				Si
2133	12.06	1.3	0	1,2	82334	7187	113	-2.02	1.92	391016	34130	SLV 1	4.749				Si
2162	12.06	1.3	0	1,2	127724	9967	178	-2.02	1.92	392308	30615	SLV 1	3.072				Si
2191	12.06	1.3	0	1,2	173137	12751	243	-2.02	1.92	392925	28937	SLV 1	2.269				Si
2220	16.59	2.7	0	1,2	173141	-105482	-32	-2.02	1.92	412549	-251335	SLV 5	2.383				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	12.06	1.3	0	1,3	108397	91328	-1897	327825	276202	SLD 15	3.024	Si
1959	12.06	1.8	0	1,2,3	97470	75498	-1831	341946	264864	SLD 15	3.508	Si
1988	12.06	1.3	0	1,2	86544	59669	-1766	361077	248950	SLD 15	4.172	Si
2017	12.06	1.3	0	1,2	75618	43840	-1701	387610	224718	SLD 15	5.126	Si
2046	12.06	1.3	0	1,2	64694	28011	-1636	427697	185184	SLD 15	6.611	Si
2075	12.06	1.3	0	1,2	53779	12190	-1570	493913	111957	SLD 15	9.184	Si
2104	12.06	1.3	0	1,2	40455	-4051	-737	470160	-47078	SLD 5	11.622	Si
2133	12.06	1.3	0	1,2	57756	-19871	-671	394018	-135564	SLD 5	6.822	Si
2162	12.06	1.3	0	1,2	75264	-35949	-606	359725	-171816	SLD 5	4.779	Si
2191	12.06	1.3	0	1,2	92788	-52026	-541	340610	-190981	SLD 5	3.671	Si
2220	16.59	2.7	0	1,2	110314	-68104	-476	423099	-261206	SLD 5	3.835	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	-639	-2154	SLU 51	4051	24464	24807	1.85	38.26	344	-1897	SLU 49	3994	20522	21131	2.35	59.67	Si
1959	3X/2Y Ø8/10	-639	-2070	SLU 51	4041	24464	24794	1.85	38.26	344	-1812	SLU 49	3984	20522	21120	2.35	59.67	Si
1988	3X/2Y Ø8/10	-639	-1985	SLU 51	4030	24464	24781	1.85	38.26	344	-1727	SLU 49	3973	20522	21108	2.35	59.67	Si
2017	3X/2Y Ø8/10	-639	-1900	SLU 51	4020	24464	24767	1.85	38.26	344	-1643	SLU 49	3963	20522	21097	2.35	59.67	Si
2046	3X/2Y Ø8/10	-639	-1815	SLU 51	4009	24464	24754	1.85	38.26	344	-1558	SLU 49	3952	20522	21086	2.35	59.67	Si
2075	3X/2Y Ø8/10	-639	-1730	SLU 51	3999	24464	24741	1.85	38.26	344	-1473	SLU 49	3942	20522	21074	2.35	59.67	Si
2104	3X/2Y Ø8/10	-639	-1645	SLU 51	3988	24464	24728	1.85	38.26	344	-1388	SLU 49	3931	20522	21063	2.35	59.67	Si
2133	3X/2Y Ø8/10	-639	-1561	SLU 51	3978	24464	24714	1.85	38.26	344	-1303	SLU 49	3921	20522	21052	2.35	59.67	Si
2162	3X/2Y Ø8/10	-639	-1476	SLU 51	3967	24464	24701	1.85	38.26	344	-1218	SLU 49	3910	20522	21040	2.35	59.67	Si
2191	3X/2Y Ø8/10	-639	-1391	SLU 51	3956	24464	24688	1.85	38.26	344	-1134	SLU 49	3900	20522	21029	2.35	59.67	Si
2220	3X/2Y Ø8/10	-639	-1306	SLU 51	3946	24464	24675	1.85	38.26	344	-1049	SLU 49	3914	20717	21217	2.35	60.24	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	-1234	-1259	SLV 9	3940	24464	24667	1.85	19.82	1566	-344	SLV 1	3803	20522	20924	2.35	13.1	Si
1959	3X/2Y Ø8/10	-1234	-1194	SLV 9	3932	24464	24657	1.85	19.82	1566	-279	SLV 1	3795	20522	20915	2.35	13.1	Si
1988	3X/2Y Ø8/10	-1234	-1129	SLV 9	3924	24464	24647	1.85	19.82	1566	-213	SLV 1	3787	20522	20906	2.35	13.1	Si
2017	3X/2Y Ø8/10	-1234	-1064	SLV 9	3916	24464	24637	1.85	19.82	1566	-148	SLV 1	3778	20522	20898	2.35	13.1	Si
2046	3X/2Y Ø8/10	-1234	-998	SLV 9	3908	24464	24627	1.85	19.82	1566	-83	SLV 1	3770	20522	20889	2.35	13.1	Si
2075	3X/2Y Ø8/10	-1234	-933	SLV 9	3899	24464	24616	1.85	19.82	1566	-18	SLV 1	3762	20522	20880	2.35	13.1	Si
2104	3X/2Y Ø8/10	-1234	-868	SLV 9	3891	24464	24606	1.85	19.82	1566	48	SLV 1	3760	20522	20878	2.35	13.1	Si
2133	3X/2Y Ø8/10	-1234	-803	SLV 9	3883	24464	24596	1.85	19.82	1566	113	SLV 1	3760	20522	20878	2.35	13.1	Si
2162	3X/2Y Ø8/10	-1234	-737	SLV 9	3875	24464	24586	1.85	19.82	1566	178	SLV 1	3760	20522	20878	2.35	13.1	Si
2191	3X/2Y Ø8/10	-1234	-672	SLV 9	3867	24464	24576	1.85	19.82	1566	243	SLV 1	3760	20522	20878	2.35	13.1	Si
2220	3X/2Y Ø8/10	-1234	-607	SLV 9	3859	24464	24565	1.85	19.82	1566	309	SLV 1	3783	20717	21076	2.35	13.23	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	-730	-1365	SLD 9	3953	28431	22564	2.15	30.93	769	-990	SLD 1	3882	21832	20108	2.5	26.14	Si
1959	3X/2Y Ø8/10	-730	-1299	SLD 9	3945	28431	22555	2.15	30.91	769	-925	SLD 1	3874	21832	20100	2.5	26.13	Si
1988	3X/2Y Ø8/10	-730	-1234	SLD 9	3937	28431	22545	2.15	30.9	769	-860	SLD 1	3866	21832	20092	2.5	26.11	Si
2017	3X/2Y Ø8/10	-730	-1169	SLD 9	3929	28431	22536	2.15	30.89	769	-794	SLD 1	3858	21832	20083	2.5	26.1	Si
2046	3X/2Y Ø8/10	-730	-1104	SLD 9	3921	28431	22527	2.15	30.88	769	-729	SLD 1	3850	21832	20075	2.5	26.09	Si
2075	3X/2Y Ø8/10	-730	-1038	SLD 9	3913	28431	22517	2.15	30.86	769	-664	SLD 1	3842	21832	20067	2.5	26.08	Si
2104	3X/2Y Ø8/10	-730	-973	SLD 9	3904	28431	22508	2.15	30.85	769	-599	SLD 1	3834	21832	20058	2.5	26.07	Si
2133	3X/2Y Ø8/10	-730	-908	SLD 9	3896	28431	22499	2.15	30.84	769	-533	SLD 1	3826	21832	20050	2.5	26.06	Si
2162	3X/2Y Ø8/10	-730	-843	SLD 9	3888	28431	22490	2.15	30.83	769	-468	SLD 1	3818	21832	20042	2.5	26.05	Si
2191	3X/2Y Ø8/10	-730	-777	SLD 9	3880	28431	22480	2.15	30.81	769	-403	SLD 1	3810	21832	20033	2.5	26.04	Si
2220	3X/2Y Ø8/10	-730	-712	SLD 9	3872	28431	22471	2.15	30.8	769	-338	SLD 1	3825	22039	20215	2.5	26.28	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²

Tensione limite dell'acciaio 3600 daN/cm²

Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1930	11745	76578	-1573	SLE RA 12	-27.2	11745	76578	-1573	SLE RA 12	517.6	Si
1959	18419	63567	-1508	SLE RA 12	-16.2	18419	63567	-1508	SLE RA 12	-163.7	Si
1988	25094	50555	-1443	SLE RA 12	-15.1	25094	50555	-1443	SLE RA 12	-152.8	Si
2017	31769	37544	-1378	SLE RA 12	-14	31769	37544	-1378	SLE RA 12	-141.9	Si
2046	38444	24533	-1312	SLE RA 12	-12.9	38444	24533	-1312	SLE RA 12	-131	Si
2075	45118	11522	-1247	SLE RA 12	-11.8	45118	11522	-1247	SLE RA 12	-120.1	Si
2104	51793	-1490	-1182	SLE RA 12	-11.2	51793	-1490	-1182	SLE RA 12	-114.3	Si
2133	58468	-14501	-1117	SLE RA 12	-14.7	58468	-14501	-1117	SLE RA 12	-147.9	Si
2162	65143	-27512	-1051	SLE RA 12	-32.9	64798	-25931	-880	SLE RA 10	644.4	Si
2191	71817	-40523	-986	SLE RA 12	-40.1	71508	-38509	-814	SLE RA 10	772.5	Si
2220	78492	-53534	-921	SLE RA 12	-40.9	78492	-53534	-921	SLE RA 12	700.4	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²

Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1930	7027	58614	-1443	SLE QP 2	-13.1	Si
1959	12719	48654	-1378	SLE QP 2	-12.3	Si
1988	18411	38694	-1313	SLE QP 2	-11.6	Si
2017	24103	28734	-1248	SLE QP 2	-10.8	Si
2046	29795	18774	-1182	SLE QP 2	-10.1	Si
2075	35487	8814	-1117	SLE QP 2	-9.4	Si
2104	41179	-1146	-1052	SLE QP 2	-9	Si
2133	46871	-11106	-987	SLE QP 2	-11.8	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
2162	52563	-21066	-921	SLE QP 2	-14.6	Si
2191	58255	-31026	-856	SLE QP 2	-31.8	Si
2220	63946	-40986	-791	SLE QP 2	-32.5	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

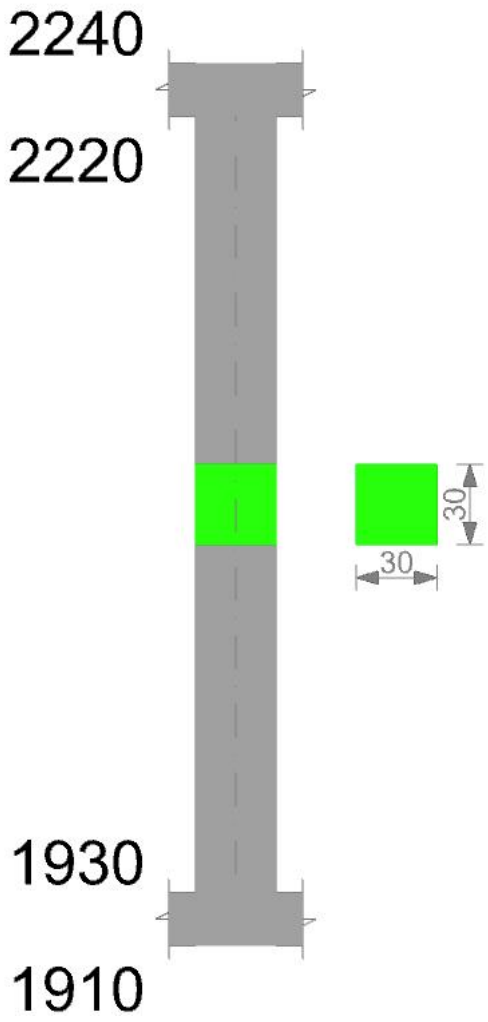
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 2230 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto elemento di base della pilastrata.

Pilastro H21

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1930	2220	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.1	9.67	-9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.1	9.67	9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.1	-9.67	9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.2	-9.9	0	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.2	9.9	0	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.3	-9.9	0	1.6	2.011	1910	1930	R 30x30_1	B450C
p.3	9.9	0	1.6	2.011	1910	1930	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	12.06	1.3	0	1,3	51527	59622	-2287	437524	506259	SLU 38	8.491	Si
1959	12.06	1.8	0	1,2,3	51032	51757	-2203	469865	476543	SLU 38	9.207	Si
1988	12.06	1.3	0	1,2	50538	43893	-2118	505868	439359	SLU 38	10.01	Si
2017	12.06	1.3	0	1,2	50043	36029	-2033	546709	393608	SLU 38	10.925	Si
2046	12.06	1.3	0	1,2	49548	28165	-1948	590656	335744	SLU 38	11.921	Si
2075	12.06	1.3	0	1,2	52375	17630	-1926	660541	222347	SLU 51	12.612	Si
2104	12.06	1.3	0	1,2	53782	10562	-1841	685230	134571	SLU 51	12.741	Si
2133	12.06	1.3	0	1,2	55189	3513	-1757	710580	45234	SLU 51	12.875	Si
2162	12.06	1.3	0	1,2	56595	-3574	-1672	699306	-44159	SLU 51	12.356	Si
2191	12.06	1.3	0	1,2	58002	-10642	-1587	657441	-120622	SLU 51	11.335	Si
2220	16.59	2.7	0	1,2	59409	-17710	-1502	766656	-228538	SLU 51	12.905	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1930	12.06	1.3	0	1,3	240193	160124	-2335	-2.02	1.92	335286	223517	SLV 13	1.396				Si
1959	12.06	1.8	0	1,2,3	209915	136987	-2269	-2.02	1.92	340139	221969	SLV 13	1.62				Si
1988	12.06	1.3	0	1,2	179644	113863	-2204	-2.02	1.92	347079	219988	SLV 13	1.932				Si
2017	12.06	1.3	0	1,2	149386	90760	-2139	-2.02	1.92	357157	216992	SLV 13	2.391				Si
2046	12.06	1.3	0	1,2	119154	67702	-2074	-2.02	1.92	373315	212114	SLV 13	3.133				Si
2075	12.06	1.3	0	1,2	88990	44767	-2008	-2.02	1.92	402913	202689	SLV 13	4.528				Si
2104	12.06	1.3	0	1,2	59149	22486	-1943	-2.02	1.92	472065	179456	SLV 13	7.981				Si
2133	12.06	1.3	0	1,2	31727	-4976	-171	-2.02	1.92	404311	-63414	SLV 3	12.743				Si
2162	12.06	1.3	0	1,2	67146	-26235	-537	-2.02	1.92	373671	-145998	SLV 1	5.565				Si
2191	12.06	1.3	0	1,2	99108	-49001	-472	-2.02	1.92	347524	-171822	SLV 1	3.507				Si
2220	16.59	2.7	0	1,2	131285	-68588	-407	-2.02	1.92	438146	-228902	SLV 1	3.337				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	12.06	1.3	0	1,3	115314	86967	-1862	338318	255151	SLD 13	2.934	Si
1959	12.06	1.8	0	1,2,3	103110	74597	-1797	346612	250766	SLD 13	3.362	Si
1988	12.06	1.3	0	1,2	90909	62233	-1732	357956	245044	SLD 13	3.938	Si
2017	12.06	1.3	0	1,2	78714	49878	-1667	373324	236559	SLD 13	4.743	Si
2046	12.06	1.3	0	1,2	66532	37541	-1601	396067	223485	SLD 13	5.953	Si
2075	12.06	1.3	0	1,2	54383	25257	-1536	432416	200829	SLD 13	7.951	Si
2104	12.06	1.3	0	1,2	42390	13244	-1471	498674	155799	SLD 13	11.764	Si
2133	12.06	1.3	0	1,2	31340	-1098	-644	495816	-17375	SLD 3	15.82	Si
2162	12.06	1.3	0	1,2	46957	-12544	-765	426262	-113874	SLD 1	9.078	Si
2191	12.06	1.3	0	1,2	61008	-24749	-700	382600	-155208	SLD 1	6.271	Si
2220	16.59	2.7	0	1,2	75161	-35533	-635	466870	-220718	SLD 1	6.212	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	-271	-2287	SLU 38	4068	24464	24828	1.85	90.21	85	-1443	SLU 14	3938	20522	21070	2.35	241.81	Si
1959	3X/2Y Ø8/10	-271	-2203	SLU 38	4057	24464	24815	1.85	90.21	85	-1378	SLU 14	3930	20522	21062	2.35	241.81	Si
1988	3X/2Y Ø8/10	-271	-2118	SLU 38	4047	24464	24801	1.85	90.21	85	-1313	SLU 14	3922	20522	21053	2.35	241.81	Si
2017	3X/2Y Ø8/10	-271	-2033	SLU 38	4036	24464	24788	1.85	90.21	85	-1247	SLU 14	3914	20522	21044	2.35	241.81	Si
2046	3X/2Y Ø8/10	-271	-1948	SLU 38	4026	24464	24775	1.85	90.21	85	-1182	SLU 14	3906	20522	21036	2.35	241.81	Si
2075	3X/2Y Ø8/10	-271	-1863	SLU 38	4015	24464	24762	1.85	90.21	85	-1117	SLU 14	3898	20522	21027	2.35	241.81	Si
2104	3X/2Y Ø8/10	-271	-1778	SLU 38	4005	24464	24748	1.85	90.21	85	-1052	SLU 14	3890	20522	21018	2.35	241.81	Si
2133	3X/2Y Ø8/10	-271	-1694	SLU 38	3994	24464	24735	1.85	90.21	85	-986	SLU 14	3882	20522	21009	2.35	241.81	Si
2162	3X/2Y Ø8/10	-271	-1609	SLU 38	3984	24464	24722	1.85	90.21	85	-921	SLU 14	3874	20522	21001	2.35	241.81	Si
2191	3X/2Y Ø8/10	-271	-1524	SLU 38	3973	24464	24709	1.85	90.21	85	-856	SLU 14	3866	20522	20992	2.35	241.81	Si
2220	3X/2Y Ø8/10	-271	-1439	SLU 38	3962	24464	24695	1.85	90.21	85	-791	SLU 14	3882	20717	21183	2.35	244.1	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	-828	-2391	SLV 9	4081	24464	24844	1.85	29.53	1113	-628	SLV 3	3838	20522	20962	2.35	18.43	Si
1959	3X/2Y Ø8/10	-828	-2326	SLV 9	4073	24464	24834	1.85	29.53	1113	-563	SLV 3	3830	20522	20953	2.35	18.43	Si
1988	3X/2Y Ø8/10	-828	-2260	SLV 9	4065	24464	24824	1.85	29.53	1113	-498	SLV 3	3822	20522	20944	2.35	18.43	Si
2017	3X/2Y Ø8/10	-828	-2195	SLV 9	4057	24464	24814	1.85	29.53	1113	-432	SLV 3	3814	20522	20936	2.35	18.43	Si
2046	3X/2Y Ø8/10	-828	-2130	SLV 9	4048	24464	24803	1.85	29.53	1113	-367	SLV 3	3805	20522	20927	2.35	18.43	Si
2075	3X/2Y Ø8/10	-828	-2065	SLV 9	4040	24464	24793	1.85	29.53	1113	-302	SLV 3	3797	20522	20918	2.35	18.43	Si
2104	3X/2Y Ø8/10	-828	-1999	SLV 9	4032	24464	24783	1.85	29.53	1113	-237	SLV 3	3789	20522	20910	2.35	18.43	Si
2133	3X/2Y Ø8/10	-828	-1934	SLV 9	4024	24464	24773	1.85	29.53	1113	-171	SLV 3	3781	20522	20901	2.35	18.43	Si
2162	3X/2Y Ø8/10	-828	-1869	SLV 9	4016	24464	24763	1.85	29.53	1113	-106	SLV 3	3773	20522	20892	2.35	18.43	Si
2191	3X/2Y Ø8/10	-828	-1804	SLV 9	4008	24464	24752	1.85	29.53	1113	-41	SLV 3	3765	20522	20883	2.35	18.43	Si
2220	3X/2Y Ø8/10	-828	-1738	SLV 9	4000	24464	24742	1.85	29.53	1113	24	SLV 3	3783	20717	21076	2.35	18.61	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	-432	-1879	SLD 9	4017	28431	22638	2.15	52.36	490	-1100	SLD 3	3896	21832	20122	2.5	41.08	Si
1959	3X/2Y Ø8/10	-432	-1814	SLD 9	4009	28431	22628	2.15	52.34	490	-1035	SLD 3	3888	21832	20114	2.5	41.06	Si
1988	3X/2Y Ø8/10	-432	-1749	SLD 9	4001	28431	22619	2.15	52.32	490	-970	SLD 3	3880	21832	20106	2.5	41.04	Si
2017	3X/2Y Ø8/10	-432	-1683	SLD 9	3993	28431	22610	2.15	52.3	490	-905	SLD 3	3872	21832	20097	2.5	41.03	Si
2046	3X/2Y Ø8/10	-432	-1618	SLD 9	3985	28431	22600	2.15	52.28	490	-839	SLD 3	3864	21832	20089	2.5	41.01	Si
2075	3X/2Y Ø8/10	-432	-1553	SLD 9	3977	28431	22591	2.15	52.26	490	-774	SLD 3	3856	21832	20081	2.5	40.99	Si
2104	3X/2Y Ø8/10	-432	-1488	SLD 9	3968	28431	22582	2.15	52.23	490	-709	SLD 3	3848	21832	20072	2.5	40.97	Si
2133	3X/2Y Ø8/10	-432	-1422	SLD 9	3960	28431	22572	2.15	52.21	490	-644	SLD 3	3840	21832	20064	2.5	40.96	Si
2162	3X/2Y Ø8/10	-432	-1357	SLD 9	3952	28431	22563	2.15	52.19	490	-578	SLD 3	3832	21832	20056	2.5	40.94	Si
2191	3X/2Y Ø8/10	-432	-1292	SLD 9	3944	28431	22554	2.15	52.17	490	-513	SLD 3	3824	21832	20047	2.5	40.92	Si
2220	3X/2Y Ø8/10	-432	-1227	SLD 9	3936	28431	22544	2.15	52.15	490	-448	SLD 3	3839	22039	20229	2.5	41.3	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1930	34091	39833	-1741	SLE RA 12	-15.2	34091	39833	-1741	SLE RA 12	-155.1	Si
1959	34814	34535	-1676	SLE RA 12	-14.3	34814	34535	-1676	SLE RA 12	-146.5	Si
1988	35537	29236	-1611	SLE RA 12	-13.4	35537	29236	-1611	SLE RA 12	-137.8	Si
2017	36259	23938	-1546	SLE RA 12	-12.6	36259	23938	-1546	SLE RA 12	-129.2	Si
2046	36982	18640	-1480	SLE RA 12	-11.7	36982	18640	-1480	SLE RA 12	-120.5	Si
2075	37705	13342	-1415	SLE RA 12	-10.9	37705	13342	-1415	SLE RA 12	-111.9	Si
2104	38428	8044	-1350	SLE RA 12	-10	38428	8044	-1350	SLE RA 12	-103.2	Si
2133	39151	2746	-1285	SLE RA 12	-9.1	39151	2746	-1285	SLE RA 12	-94.6	Si
2162	39873	-2552	-1219	SLE RA 12	-9.2	39873	-2552	-1219	SLE RA 12	-94.7	Si
2191	40596	-7850	-1154	SLE RA 12	-10.2	40596	-7850	-1154	SLE RA 12	-104.2	Si
2220	41319	-13148	-1089	SLE RA 12	-10.6	41319	-13148	-1089	SLE RA 12	-107.7	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1930	24125	28189	-1481	SLE QP 2	-11	Si
1959	25122	24434	-1416	SLE QP 2	-10.4	Si
1988	26119	20679	-1351	SLE QP 2	-9.9	Si
2017	27116	16924	-1286	SLE QP 2	-9.4	Si
2046	28113	13169	-1220	SLE QP 2	-8.8	Si
2075	29109	9415	-1155	SLE QP 2	-8.3	Si
2104	30106	5660	-1090	SLE QP 2	-7.7	Si
2133	31103	1905	-1025	SLE QP 2	-7.2	Si
2162	32100	-1850	-959	SLE QP 2	-7.3	Si
2191	33097	-5605	-894	SLE QP 2	-8.1	Si
2220	34094	-9360	-829	SLE QP 2	-8.5	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

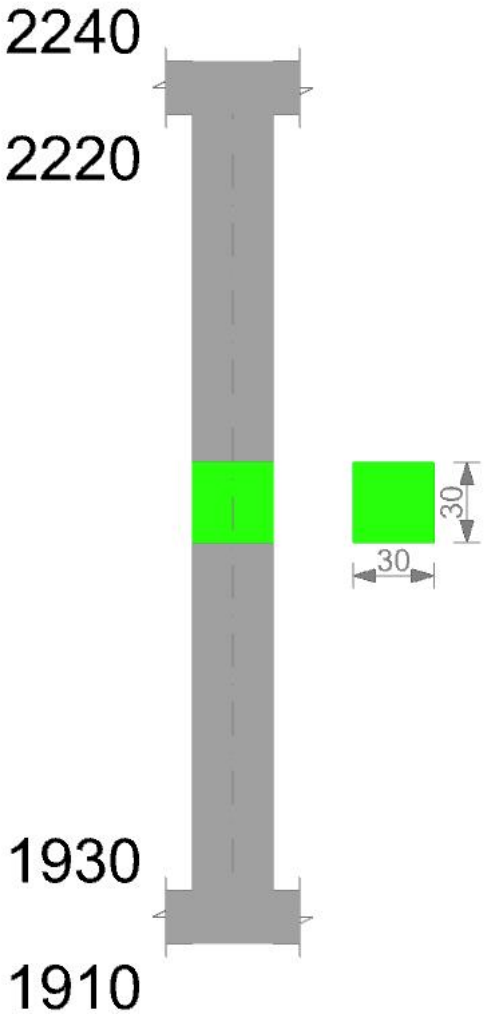
Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata
per il nodo Appoggio 2230 in quanto nodo interno a piastra.
per il nodo Appoggio 1920 in quanto elemento di base della pilastrata.

Pilastro H22

Geometria



Dati della pilastrata

Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
1930	2220	R 30x30_1	No	No	No	No		C30/37	B450C	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-9.67	-9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.1	9.67	-9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.1	9.67	9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.1	-9.67	9.67	1.6	2.011	1920	2240	R 30x30_1	B450C
p.2	-9.9	0	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.2	9.9	0	1.6	2.011	1930.1	2240	R 30x30_1	B450C
p.3	-9.9	0	1.6	2.011	1910	1930	R 30x30_1	B450C
p.3	9.9	0	1.6	2.011	1910	1930	R 30x30_1	B450C

Controlli geometrici NTC18

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	12.06	1.3	0	1,3	-105224	290612	-29066	-286833	792186	SLU 51	2.726	Si
1959	12.06	1.8	0	1,2,3	-84226	246183	-28981	-266360	778540	SLU 51	3.162	Si
1988	12.06	1.3	0	1,2	-63228	201754	-28896	-233513	745118	SLU 51	3.693	Si
2017	12.06	1.3	0	1,2	-57645	157507	-28822	-243103	664247	SLU 52	4.217	Si
2046	12.06	1.3	0	1,2	-57475	113100	-28738	-274376	539918	SLU 52	4.774	Si
2075	12.06	1.3	0	1,2	57306	68692	-28653	307960	369152	SLU 52	5.374	Si
2104	12.06	1.3	0	1,2	57136	57136	-28568	316346	316346	SLU 52	5.537	Si
2133	12.06	1.3	0	1,2	56966	-56966	-28483	316346	-316346	SLU 52	5.553	Si
2162	12.06	1.3	0	1,2	62761	-64821	-28387	338027	-349123	SLU 51	5.386	Si
2191	12.06	1.3	0	1,2	83759	-109250	-28302	382897	-499427	SLU 51	4.571	Si
2220	16.59	2.7	0	1,2	104757	-153679	-28217	437997	-642543	SLU 51	4.181	Si

Verifica a pressoflessione in SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
1930	12.06	1.3	0	1,3	-187806	242454	-17050	-2.02	1.92	-350753	452815	SLV 5	1.868				Si
1959	12.06	1.8	0	1,2,3	-148035	200509	-16985	-2.02	1.92	-347472	470640	SLV 5	2.347				Si
1988	12.06	1.3	0	1,2	-108409	158587	-16920	-2.02	1.92	-338268	494841	SLV 5	3.12				Si
2017	12.06	1.3	0	1,2	-69204	116730	-16854	-2.02	1.92	-307893	519342	SLV 5	4.449				Si

Quota	As	%	At	Pos.	Mx	My	N	ε,cu	ε,fk	MRdx	MRdy	Comb.	C.S.	Nmin	Nlim	Comb.Nmin	Ver.
2046	12.06	1.3	0	1,2	-24620	83300	-16511	-2.02	1.92	-162311	549163	SLV 9	6.593				Si
2075	12.06	1.3	0	1,2	26531	45301	-16557	-2.02	1.92	210261	359017	SLV 3	7.925				Si
2104	12.06	1.3	0	1,2	73516	25297	-16719	-2.02	1.92	492180	169360	SLV 1	6.695				Si
2133	12.06	1.3	0	1,2	122903	10254	-16654	-2.02	1.92	644957	53813	SLV 1	5.248				Si
2162	12.06	1.3	0	1,2	133396	-93620	-16528	-2.02	1.92	480148	-336979	SLV 5	3.599				Si
2191	12.06	1.3	0	1,2	173153	-135559	-16463	-2.02	1.92	452483	-354242	SLV 5	2.613				Si
2220	16.59	2.7	0	1,2	212984	-177512	-16398	-2.02	1.92	482081	-401792	SLV 5	2.263				Si

Verifica a pressoflessione in SLD

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le dilatazioni limite elastiche

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
1930	12.06	1.3	0	1,3	-118576	198200	-16748	-308937	516389	SLD 5	2.605	Si
1959	12.06	1.8	0	1,2,3	-94092	165743	-16682	-301889	531773	SLD 5	3.208	Si
1988	12.06	1.3	0	1,2	-69665	133295	-16617	-285911	547057	SLD 5	4.104	Si
2017	12.06	1.3	0	1,2	-45395	100872	-16552	-246349	547413	SLD 5	5.427	Si
2046	12.06	1.3	0	1,2	-18255	72469	-16375	-131846	523403	SLD 9	7.222	Si
2075	12.06	1.3	0	1,2	10436	40935	-16345	92682	363526	SLD 3	8.881	Si
2104	12.06	1.3	0	1,2	37571	18664	-16375	321114	159521	SLD 1	8.547	Si
2133	12.06	1.3	0	1,2	54112	-29233	-16291	402909	-217665	SLD 5	7.446	Si
2162	12.06	1.3	0	1,2	78513	-61673	-16226	438123	-344154	SLD 5	5.58	Si
2191	12.06	1.3	0	1,2	102985	-94127	-16160	431876	-394732	SLD 5	4.194	Si
2220	16.59	2.7	0	1,2	127488	-126587	-16095	452555	-449357	SLD 5	3.55	Si

Verifica a taglio in famiglia SLU

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	-1532	-29066	SLU 51	7402	27108	27328	2.05	17.69	731	-27600	SLU 49	7164	21832	23503	2.5	29.89	Si
1959	3X/2Y Ø8/10	-1532	-28981	SLU 51	7391	27108	27316	2.05	17.69	731	-27515	SLU 49	7154	21832	23492	2.5	29.89	Si
1988	3X/2Y Ø8/10	-1532	-28896	SLU 51	7381	27108	27303	2.05	17.69	731	-27430	SLU 49	7143	21832	23481	2.5	29.89	Si
2017	3X/2Y Ø8/10	-1532	-28811	SLU 51	7370	27108	27291	2.05	17.69	731	-27345	SLU 49	7133	21832	23471	2.5	29.89	Si
2046	3X/2Y Ø8/10	-1532	-28726	SLU 51	7360	27108	27278	2.05	17.69	731	-27260	SLU 49	7122	21832	23460	2.5	29.89	Si
2075	3X/2Y Ø8/10	-1532	-28642	SLU 51	7349	27108	27266	2.05	17.69	731	-27176	SLU 49	7112	21832	23449	2.5	29.89	Si
2104	3X/2Y Ø8/10	-1532	-28557	SLU 51	7339	27108	27253	2.05	17.69	731	-27091	SLU 49	7101	21832	23438	2.5	29.89	Si
2133	3X/2Y Ø8/10	-1532	-28472	SLU 51	7328	27108	27241	2.05	17.69	731	-27006	SLU 49	7091	21832	23427	2.5	29.89	Si
2162	3X/2Y Ø8/10	-1532	-28387	SLU 51	7317	27108	27228	2.05	17.69	731	-26921	SLU 49	7080	21832	23417	2.5	29.89	Si
2191	3X/2Y Ø8/10	-1532	-28302	SLU 51	7307	27108	27216	2.05	17.69	731	-26836	SLU 49	7070	21832	23406	2.5	29.89	Si
2220	3X/2Y Ø8/10	-1532	-28217	SLU 51	7296	27108	27203	2.05	17.69	731	-26751	SLU 49	7114	22039	23617	2.5	30.17	Si

Verifica a taglio in famiglia SLV

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	-1787	-16772	SLV 9	5871	25786	26296	1.95	14.43	1726	-17110	SLV 1	5870	21832	22165	2.5	12.65	Si
1959	3X/2Y Ø8/10	-1787	-16706	SLV 9	5863	25786	26286	1.95	14.43	1726	-17045	SLV 1	5862	21832	22157	2.5	12.65	Si
1988	3X/2Y Ø8/10	-1787	-16641	SLV 9	5855	25786	26276	1.95	14.43	1726	-16980	SLV 1	5854	21832	22148	2.5	12.65	Si
2017	3X/2Y Ø8/10	-1787	-16576	SLV 9	5847	25786	26266	1.95	14.43	1726	-16915	SLV 1	5846	21832	22140	2.5	12.65	Si
2046	3X/2Y Ø8/10	-1787	-16511	SLV 9	5839	25786	26256	1.95	14.43	1726	-16849	SLV 1	5838	21832	22132	2.5	12.65	Si
2075	3X/2Y Ø8/10	-1787	-16445	SLV 9	5831	25786	26246	1.95	14.43	1726	-16784	SLV 1	5830	21832	22123	2.5	12.65	Si
2104	3X/2Y Ø8/10	-1787	-16380	SLV 9	5823	25786	26237	1.95	14.43	1726	-16719	SLV 1	5822	21832	22115	2.5	12.65	Si
2133	3X/2Y Ø8/10	-1787	-16315	SLV 9	5814	25786	26227	1.95	14.43	1726	-16654	SLV 1	5814	21832	22107	2.5	12.65	Si
2162	3X/2Y Ø8/10	-1787	-16250	SLV 9	5806	25786	26217	1.95	14.43	1726	-16588	SLV 1	5806	21832	22098	2.5	12.65	Si
2191	3X/2Y Ø8/10	-1787	-16184	SLV 9	5798	25786	26207	1.95	14.43	1726	-16523	SLV 1	5798	21832	22090	2.5	12.65	Si
2220	3X/2Y Ø8/10	-1787	-16119	SLV 9	5790	25786	26197	1.95	14.43	1726	-16458	SLV 1	5832	22039	22291	2.5	12.77	Si

Verifica a taglio in famiglia SLD Resistenza

		Direzione X								Direzione Y								Verifica
Quota	Staffe	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	V	N	Comb.	VRd	VRsd	VRcd	Cot	c.s.	
1930	3X/2Y Ø8/10	-1276	-16636	SLD 9	5854	29753	24017	2.25	18.82	991	-16767	SLD 1	5828	21832	22121	2.5	22.04	Si
1959	3X/2Y Ø8/10	-1276	-16571	SLD 9	5846	29753	24008	2.25	18.81	991	-16701	SLD 1	5820	21832	22113	2.5	22.04	Si
1988	3X/2Y Ø8/10	-1276	-16505	SLD 9	5838	29753	23999	2.25	18.8	991	-16636	SLD 1	5812	21832	22104	2.5	22.04	Si
2017	3X/2Y Ø8/10	-1276	-16440	SLD 9	5830	29753	23989	2.25	18.79	991	-16571	SLD 1	5804	21832	22096	2.5	22.04	Si
2046	3X/2Y Ø8/10	-1276	-16375	SLD 9	5822	29753	23980	2.25	18.79	991	-16506	SLD 1	5796	21832	22088	2.5	22.04	Si
2075	3X/2Y Ø8/10	-1276	-16310	SLD 9	5814	29753	23971	2.25	18.78	991	-16440	SLD 1	5788	21832	22079	2.5	22.04	Si
2104	3X/2Y Ø8/10	-1276	-16244	SLD 9	5806	29753	23962	2.25	18.77	991	-16375	SLD 1	5780	21832	22071	2.5	22.04	Si
2133	3X/2Y Ø8/10	-1276	-16179	SLD 9	5798	29753	23953	2.25	18.77	991	-16310	SLD 1	5772	21832	22063	2.5	22.04	Si
2162	3X/2Y Ø8/10	-1276	-16114	SLD 9	5789	29753	23944	2.25	18.76	991	-16245	SLD 1	5764	21832	22054	2.5	22.04	Si
2191	3X/2Y Ø8/10	-1276	-16049	SLD 9	5781	29753	23935	2.25	18.75	991	-16179	SLD 1	5756	21832	22046	2.5	22.04	Si
2220	3X/2Y Ø8/10	-1276	-15983	SLD 9	5773	29753	23926	2.25	18.74	991	-16114	SLD 1	5789	22039	22247	2.5	22.25	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 184.3 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
1930	-74022	205406	-20615	SLE RA 12	-82.2	-74022	205406	-20615	SLE RA 12	-864	Si
1959	-59311	173996	-20550	SLE RA 12	-68.1	-59311	173996	-20550	SLE RA 12	-744.5	Si
1988	-44601	142585	-20484	SLE RA 12	-55.4	-44601	142585	-20484	SLE RA 12	-631.9	Si
2017	-29891	111175	-20419	SLE RA 12	-44.3	-29891	111175	-20419	SLE RA 12	-528.7	Si
2046	-15180	79764	-20354	SLE RA 12	-35.8	-15180	79764	-20354	SLE RA 12	-446.9	Si
2075	-470	48354	-20289	SLE RA 12	-27.4	-262	48504	-20296	SLE RA 13	-366.7	Si
2104	14372	17108	-20231	SLE RA 13	-24.5	14372	17108	-20231	SLE RA 13	-336.5	Si
2133	28951	-14467	-20158	SLE RA 12	-26.7	28951	-14467	-20158	SLE RA 12	-357.8	Si
2162	43661	-45878	-20093	SLE RA 12	-35	43661	-45878	-20093	SLE RA 12	-437.7	Si
2191	58371	-77288	-20028	SLE RA 12	-43.3	58371	-77288	-20028	SLE RA 12	-517.7	Si
2220	73081	-108699	-19962	SLE RA 12	-50.9	73081	-108699	-19962	SLE RA 12	-581.1	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 138.2 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
1930	-62818	161030	-16533	SLE QP 2	-65.8	Si
1959	-50307	136405	-16467	SLE QP 2	-54.5	Si
1988	-37797	111781	-16402	SLE QP 2	-42.2	Si
2017	-25287	87156	-16337	SLE QP 2	-35.4	Si
2046	-12777	62531	-16272	SLE QP 2	-28.6	Si
2075	-266	37907	-16206	SLE QP 2	-21.8	Si
2104	12244	13282	-16141	SLE QP 2	-19.6	Si
2133	24754	-11343	-16076	SLE QP 2	-21.6	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
2162	37264	-35967	-16011	SLE QP 2	-28.3	Si
2191	49775	-60592	-15945	SLE QP 2	-35	Si
2220	62285	-85217	-15880	SLE QP 2	-39.4	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente

Fessurazione non presente

Verifica di apertura delle fessure nella famiglia di combinazioni quasi permanente

Fessurazione non presente

Verifiche nodi trave colonna

Non sono presenti nodi verificabili

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata per il nodo Appoggio 1920 in quanto elemento di base della pilastrata.
per il nodo Appoggio 2230 in quanto nodo interno a piastra.

8.2 Verifiche travate C.A.

Le unità di misura elencate nel capitolo sono in [cm, daN] ove non espressamente specificato.

***N°**: indice progressivo della sezione.*
***Descrizione**: descrizione della sezione.*
***Tipo**: tipo di sezione.*
***Base**: base della sezione. [cm]*
***Altezza**: altezza della sezione. [cm]*
***Copriferro sup.**: distanza del bordo della staffa dalla superficie superiore del getto. [cm]*
***Copriferro inf.**: distanza del bordo della staffa dalla superficie inferiore del getto. [cm]*
***Copriferro lat.**: distanza del bordo della staffa dalle superfici laterali del getto. [cm]*
***x**: distanza da asse appoggio sinistro. [cm]*
***A sup.**: area efficace di armatura longitudinale superiore. [cm²]*
***C.b. sup.**: distanza dal bordo del baricentro dell'armatura longitudinale superiore. [cm]*
***A inf.**: area efficace di armatura longitudinale inferiore. [cm²]*
***C.b. inf.**: distanza dal bordo del baricentro dell'armatura longitudinale inferiore. [cm]*
***M+ela**: momento flettente desunto dal solutore che tende le fibre inferiori. [daN*cm]*
***Comb.**: combinazione.*
***M+des**: momento flettente di progetto che tende le fibre inferiori. [daN*cm]*
***M+ult**: momento ultimo per trazione delle fibre inferiori. [daN*cm]*
***x/d**: rapporto tra posizione asse neutro e altezza utile.*
***coeff**: coefficiente di sicurezza.*
***M-ela**: momento flettente desunto dal solutore che tende le fibre superiori. [daN*cm]*
***M-des**: momento flettente di progetto che tende le fibre superiori. [daN*cm]*
***M-ult**: momento ultimo per trazione delle fibre superiori. [daN*cm]*
***Verifica**: stato di verifica.*
***A st**: area di staffe per unità di lunghezza. [cm²]*
***A sl**: area di armatura longitudinale tesa per valutazione resistenza taglio in assenza di armature a taglio. [cm²]*
***A sag**: area equivalente di barre piegate per unità di lunghezza. [cm²]*
***Vela**: taglio elastico. [daN]*
***Vdes**: taglio di progetto. [daN]*
***Vrd**: resistenza a taglio della sezione senza armature. [daN]*
***Vrcd**: sforzo di taglio che produce il cedimento delle bielle. [daN]*
***Vrsd**: resistenza a taglio per la presenza delle armature. [daN]*
***Vult**: taglio ultimo. [daN]*
***cotgθ**: cotg dell'angolo di inclinazione dei puntoni in calcestruzzo.*
***Rara**: famiglia di combinazione di verifica.*
***Mela**: momento elastico. [daN*cm]*
***Mdes**: momento di progetto. [daN*cm]*
***σ c**: tensione di compressione nel calcestruzzo. [daN/cm²]*
***σ c lim.**: tensione limite di compressione nel calcestruzzo. [daN/cm²]*
***σ f.**: tensione di trazione nell'acciaio. [daN/cm²]*
***σ f lim.**: tensione limite di trazione nell'acciaio. [daN/cm²]*
***Elastica+**: massima freccia a sezione interamente reagente di solo calcestruzzo. [cm]*
***Elastica-**: minima freccia a sezione interamente reagente di solo calcestruzzo. [cm]*
***Fess.+**: massima freccia a sezione fessurata ed omogeneizzata. [cm]*
***Fess.-**: minima freccia a sezione fessurata ed omogeneizzata. [cm]*
***Quasi permanente**: famiglia di combinazione di verifica.*
***σ FRP**: tensione di trazione nell'FRP. [daN/cm²]*
***σ FRP lim.**: tensione limite di trazione nell'FRP. [daN/cm²]*
***Fess. viscosa+**: massima freccia a sezione fessurata ed omogeneizzata a viscosità esaurita. [cm]*
***Fess. viscosa-**: minima freccia a sezione fessurata ed omogeneizzata a viscosità esaurita. [cm]*
***l/f**: rapporto luce su freccia in combinazione quasi permanente.*
***Frequente**: famiglia di combinazione di verifica.*

Sc 4 - rampante tipo

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 130x20	Rettangolare	130	20	3.5	3.5	3.5

Output campate

Campata 1, sezione R 130x20, asta 87

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	7.92	5.1	14.07	5.3	122435	SLU 52	138993	780535	0.269	5.62							Si
85	7.92	5.1	14.07	5.3	230681	SLU 52	230681	780535	0.269	3.38							Si
107	7.92	5.1	14.07	5.3	222920	SLU 52	226824	780535	0.269	3.44							Si
213	7.92	5.1	14.07	5.3	-780	SLU 14	13879	780535	0.269	56.24	-33270	SLU 33	-33270	-559072	0.258	16.8	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	7.92	5.1	14.07	5.3	484261	SLV 9	484261	713056	0.313	1.47	-357442	SLV 7	-357442	-441401	0.258	1.23	Si
107	7.92	5.1	14.07	5.3	185403	SLV 5	209788	713056	0.313	3.4							Si
213	7.92	5.1	14.07	5.3	290995	SLV 7	290995	713056	0.313	2.45	-307580	SLV 9	-307580	-441401	0.258	1.44	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	7.92	5.1	14.07	5.3	230428	SLD 9	230932	713056	0.313	3.09	-103610	SLD 7	-103610	-441401	0.258	4.26	Si
7	7.92	5.1	14.07	5.3	230961	SLD 9	230961	713056	0.313	3.09	-84041	SLD 7	-102521	-441401	0.258	4.31	Si
107	7.92	5.1	14.07	5.3	148478	SLD 5	159269	713056	0.313	4.48							Si
213	7.92	5.1	14.07	5.3	110359	SLD 7	115379	713056	0.313	6.18	-126944	SLD 9	-126944	-441401	0.258	3.48	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.28	14.07	0	2036	SLU 49	2036	12970	74826	14508	14508	1	7.13	Si
107	0.28	14.07	0	-528	SLU 52	-528	-12970	-74826	-14508	-14508	1	27.47	Si
213	0.28	7.92	0	-3025	SLU 52	-3025	-10804	-75844	-14705	-14705	1	4.86	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.28	7.92	0	3709	SLV 7	3709	10804	75844	14705	14705	1	3.96	Si
0	0.28	14.07	0	-1454	SLV 9	-1454	-12970	-74826	-14508	-14508	1	9.98	Si
107	0.28	14.07	0	2325	SLV 7	2325	12970	74826	14508	14508	1	6.24	Si
107	0.28	14.07	0	-2839	SLV 9	-2839	-12970	-74826	-14508	-14508	1	5.11	Si
213	0.28	14.07	0	940	SLV 7	940	12970	74826	14508	14508	1	15.43	Si
213	0.28	7.92	0	-4223	SLV 9	-4223	-10804	-75844	-14705	-14705	1	3.48	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.28	7.92	0	2151	SLD 7	2151	10804	75844	14705	14705	1	6.83	Si
107	0.28	14.07	0	767	SLD 7	767	12970	74826	14508	14508	1	18.92	Si
107	0.28	14.07	0	-1281	SLD 9	-1281	-12970	-74826	-14508	-14508	1	11.32	Si
213	0.28	7.92	0	-2666	SLD 9	-2666	-10804	-75844	-14705	-14705	1	5.52	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	87327	13	98899	10.7	184.3	155.4	3600	63409	2	72901	7.9	138.2			Si
107	156800	13	159625	17.2	184.3	250.8	3600	124083	2	125935	13.6	138.2			Si
213	-19489	7	-19489	2	184.3	31.5	3600	-8292	2	-8292	0.9	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
99	0.036	0.025	0.034	0.024	0.03	0.025	0.029	0.024	0.028	0.025	0.076	2	0.068	2	2801	Si
107	0.036	0.025	0.034	0.024	0.03	0.025	0.029	0.024	0.028	0.025	0.076	2	0.068	2	2807	Si

Sc 5 - rampante tipo

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 130x20	Rettangolare	130	20	3.5	3.5	3.5

Output campate

Campata 1, sezione R 130x20, asta 178

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	7.92	5.1	14.07	5.3	147989	SLU 51	162731	780535	0.269	4.8							Si
78	7.92	5.1	14.07	5.3	234581	SLU 51	234581	780535	0.269	3.33							Si
107	7.92	5.1	14.07	5.3	219639	SLU 51	225359	780535	0.269	3.46							Si
213	7.92	5.1	14.07	5.3							-56941	SLU 51	-56941	-559072	0.258	9.82	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	7.92	5.1	14.07	5.3	415206	SLV 5	415206	713056	0.313	1.72	-246747	SLV 11	-246747	-441401	0.258	1.79	Si
107	7.92	5.1	14.07	5.3	182146	SLV 5	202422	713056	0.313	3.52							Si
213	7.92	5.1	14.07	5.3	183028	SLV 11	183028	713056	0.313	3.9	-244819	SLV 5	-244819	-441401	0.258	1.8	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	7.92	5.1	14.07	5.3	213560	SLD 5	214986	713056	0.313	3.32	-45101	SLD 11	-45101	-441401	0.258	9.79	Si
14	7.92	5.1	14.07	5.3	215723	SLD 5	215723	713056	0.313	3.31	-14566	SLD 11	-28579	-441401	0.258	15.45	Si
107	7.92	5.1	14.07	5.3	146231	SLD 5	156114	713056	0.313	4.57							Si
213	7.92	5.1	14.07	5.3	52696	SLD 11	61372	713056	0.313	11.62	-114486	SLD 5	-114486	-441401	0.258	3.86	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.28	14.07	0	1836	SLU 50	1836	12970	74826	14508	14508	1	7.9	Si
107	0.28	14.07	0	-735	SLU 51	-735	-12970	-74826	-14508	-14508	1	19.74	Si
213	0.28	7.92	0	-3232	SLU 51	-3232	-10804	-75844	-14705	-14705	1	4.55	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.28	7.92	0	2925	SLV 11	2925	10804	75844	14705	14705	1	5.03	Si
0	0.28	14.07	0	-982	SLV 5	-982	-12970	-74826	-14508	-14508	1	14.78	Si
107	0.28	14.07	0	1540	SLV 11	1540	12970	74826	14508	14508	1	9.42	Si
107	0.28	14.07	0	-2366	SLV 5	-2366	-12970	-74826	-14508	-14508	1	6.13	Si
213	0.28	14.07	0	156	SLV 11	156	12970	74826	14508	14508	1	93.02	Si
213	0.28	7.92	0	-3751	SLV 5	-3751	-10804	-75844	-14705	-14705	1	3.92	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.28	7.92	0	1735	SLD 11	1735	10804	75844	14705	14705	1	8.48	Si
107	0.28	14.07	0	350	SLD 11	350	12970	74826	14508	14508	1	41.4	Si
107	0.28	14.07	0	-1176	SLD 5	-1176	-12970	-74826	-14508	-14508	1	12.34	Si
213	0.28	7.92	0	-2561	SLD 5	-2561	-10804	-75844	-14705	-14705	1	5.74	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	105353	12	115651	12.5	184.3	181.7	3600	84230	2	92354	9.9	138.2			Si
107	154577	12	158677	17.1	184.3	249.3	3600	123191	2	126410	13.6	138.2			Si
213	-41222	12	-41222	4.3	184.3	66.6	3600	-30895	2	-30895	3.2	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
99	0.035	0.024	0.034	0.023	0.03	0.024	0.029	0.023	0.028	0.025	0.076	2	0.068	2	2812	Si
107	0.035	0.024	0.034	0.023	0.03	0.024	0.029	0.023	0.028	0.025	0.075	2	0.067	2	2831	Si

Trave 30x40 dx

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x40	Rettangolare	30	40	3.5	3.5	3.5

Output campate

Campata 1 , sezione R 30x40, asta 58

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-241939	SLU 47	-217643	-760524	0.161	3.49	Si
15	6.03	5.5	6.03	5.5							-194612	SLU 51	-194612	-760524	0.161	3.91	Si
43	6.03	5.5	6.03	5.5							-113225	SLU 51	-159345	-760524	0.161	4.77	Si
80	6.03	5.5	6.03	5.5	13745	SLU 5	13745	760524	0.161	55.33	-16549	SLU 49	-55264	-760524	0.161	13.76	Si
85	6.03	5.5	6.03	5.5	23390	SLU 44	22699	760524	0.161	33.5	-4517	SLU 10	-4517	-760524	0.161	168.36	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	9357	SLV 9	9357	724241	0.258	77.4	-283561	SLV 7	-266338	-724241	0.258	2.72	Si
15	6.03	5.5	6.03	5.5	25969	SLV 9	42732	724241	0.258	16.95	-248877	SLV 7	-248877	-724241	0.258	2.91	Si
43	6.03	5.5	6.03	5.5	54908	SLV 9	70588	724241	0.258	10.26	-187264	SLV 7	-222134	-724241	0.258	3.26	Si
80	6.03	5.5	6.03	5.5	91416	SLV 9	91416	724241	0.258	7.92	-107615	SLV 7	-140334	-724241	0.258	5.16	Si
85	6.03	5.5	6.03	5.5	96054	SLV 9	95789	724241	0.258	7.56	-97398	SLV 7	-97398	-724241	0.258	7.44	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-207438	SLD 7	-192460	-724241	0.258	3.76	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
15	6.03	5.5	6.03	5.5							-177606	SLD 7	-177606	-724241	0.258	4.08	Si
43	6.03	5.5	6.03	5.5	-7617	SLD 9	12942	724241	0.258	55.96	-124738	SLD 7	-154640	-724241	0.258	4.68	Si
80	6.03	5.5	6.03	5.5	40352	SLD 9	40352	724241	0.258	17.95	-56550	SLD 7	-84553	-724241	0.258	8.57	Si
85	6.03	5.5	6.03	5.5	46460	SLD 9	46186	724241	0.258	15.68	-47804	SLD 7	-47804	-724241	0.258	15.15	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	3240	SLU 47	3240	5722	40526	18592	18592	1	5.74	Si
15	0.153	6.03	0	3181	SLU 47	3181	5722	40526	18592	18592	1	5.84	Si
43	0.153	6.03	0	3074	SLU 47	3074	5722	40526	18592	18592	1	6.05	Si
80	0.153	6.03	0	2928	SLU 47	2928	5722	40526	18592	18592	1	6.35	Si
85	0.153	6.03	0	2908	SLU 47	2908	5722	40526	18592	18592	1	6.39	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	2373	SLV 7	2373	5722	40526	18592	18592	1	7.83	Si
15	0.153	6.03	0	2328	SLV 7	2328	5722	40526	18592	18592	1	7.99	Si
43	0.153	6.03	0	2246	SLV 7	2246	5722	40526	18592	18592	1	8.28	Si
80	0.153	6.03	0	2133	SLV 7	2133	5722	40526	18592	18592	1	8.72	Si
85	0.153	6.03	0	2118	SLV 7	2118	5722	40526	18592	18592	1	8.78	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	2025	SLD 7	2025	5722	40526	18592	18592	1	9.18	Si
15	0.153	6.03	0	1980	SLD 7	1980	5722	40526	18592	18592	1	9.39	Si
43	0.153	6.03	0	1898	SLD 7	1898	5722	40526	18592	18592	1	9.8	Si
80	0.153	6.03	0	1785	SLD 7	1785	5722	40526	18592	18592	1	10.41	Si
85	0.153	6.03	0	1770	SLD 7	1770	5722	40526	18592	18592	1	10.5	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-172174	8	-154886	15.6	184.3	234.6	3600	-137102	2	-124111	12.5	138.2			Si
15	-138487	12	-138487	14	184.3	209.8	3600	-111454	2	-111454	11.3	138.2			Si
43	-80545	12	-113358	11.4	184.3	171.7	3600	-66178	2	-91758	9.3	138.2			Si
80	6602	5	6602	0.7	184.3	10	3600								Si
80	-11559	10	-39200	4	184.3	59.4	3600	-8099	2	-31910	3.2	138.2			Si
85	15629	5	15077	1.5	184.3	22.8	3600	289	1	39	0	138.2			Si
85	-2913	10	-2913	0.3	184.3	4.4	3600	-672	2	-672	0.1	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
43	0.011	0.007	0.01	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.017	2	0.016	2	9999	Si
80	0.023	0.015	0.02	0.013	0.018	0.015	0.015	0.013	0.017	0.016	0.036	2	0.034	2	9999	Si
85	0.025	0.017	0.022	0.014	0.019	0.017	0.016	0.014	0.018	0.017	0.039	2	0.037	2	9999	Si

Campata 2 , sezione R 30x40, asta 59

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	23391	SLU 44	22699	760524	0.161	33.5	-4517	SLU 10	-4517	-760524	0.161	168.38	Si
5	6.03	5.5	6.03	5.5	32724	SLU 44	63879	760524	0.161	11.91							Si
50	6.03	5.5	6.03	5.5	123080	SLU 47	153642	760524	0.161	4.95							Si
95	6.03	5.5	6.03	5.5	208085	SLU 47	208085	760524	0.161	3.65							Si
100	6.03	5.5	6.03	5.5	217048	SLU 47	216125	760524	0.161	3.52							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	96054	SLV 9	95789	724241	0.258	7.56	-97397	SLV 7	-97397	-724241	0.258	7.44	Si
5	6.03	5.5	6.03	5.5	99533	SLV 9	109716	724241	0.258	6.6	-88396	SLV 7	-88396	-724241	0.258	8.19	Si
50	6.03	5.5	6.03	5.5	129192	SLV 11	139209	724241	0.258	5.2	-12397	SLV 5	-37809	-724241	0.258	19.16	Si
95	6.03	5.5	6.03	5.5	158608	SLV 7	158608	724241	0.258	4.57							Si
100	6.03	5.5	6.03	5.5	162129	SLV 7	161940	724241	0.258	4.47							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	46460	SLD 9	46186	724241	0.258	15.68	-47803	SLD 7	-47803	-724241	0.258	15.15	Si
5	6.03	5.5	6.03	5.5	51392	SLD 9	65812	724241	0.258	11	-40254	SLD 7	-40254	-724241	0.258	17.99	Si
50	6.03	5.5	6.03	5.5	92999	SLD 11	106451	724241	0.258	6.8							Si
95	6.03	5.5	6.03	5.5	130491	SLD 7	130491	724241	0.258	5.55							Si
100	6.03	5.5	6.03	5.5	134506	SLD 7	134261	724241	0.258	5.39							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	2172	SLU 47	2172	5722	40526	18592	18592	1	8.56	Si
5	0.153	6.03	0	2152	SLU 47	2152	5722	40526	18592	18592	1	8.64	Si
50	0.153	6.03	0	1977	SLU 47	1977	5722	40526	18592	18592	1	9.4	Si
95	0.153	6.03	0	1801	SLU 47	1801	5722	40526	18592	18592	1	10.32	Si
100	0.153	6.03	0	1782	SLU 47	1782	5722	40526	18592	18592	1	10.43	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1897	SLV 7	1897	5722	40526	18592	18592	1	9.8	Si
5	0.153	6.03	0	1882	SLV 7	1882	5722	40526	18592	18592	1	9.88	Si
50	0.153	6.03	0	1747	SLV 7	1747	5722	40526	18592	18592	1	10.64	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
95	0.153	6.03	0	1612	SLV 7	1612	5722	40526	18592	18592	1	11.53	Si
100	0.153	6.03	0	1597	SLV 7	1597	5722	40526	18592	18592	1	11.64	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1549	SLD 7	1549	5722	40526	18592	18592	1	12	Si
5	0.153	6.03	0	1534	SLD 7	1534	5722	40526	18592	18592	1	12.12	Si
50	0.153	6.03	0	1399	SLD 7	1399	5722	40526	18592	18592	1	13.29	Si
95	0.153	6.03	0	1264	SLD 7	1264	5722	40526	18592	18592	1	14.71	Si
100	0.153	6.03	0	1249	SLD 7	1249	5722	40526	18592	18592	1	14.88	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	15630	5	15077	1.5	184.3	22.8	3600	289	1	39	0	138.2			Si
0	-2912	10	-2912	0.3	184.3	4.4	3600	-671	2	-671	0.1	138.2			Si
5	22380	5	44745	4.5	184.3	67.8	3600	6128	1	24696	2.5	138.2			Si
50	86925	8	108611	11	184.3	164.5	3600	58397	2	75400	7.6	138.2			Si
95	147091	8	147091	14.9	184.3	222.8	3600	105143	2	105143	10.6	138.2			Si
100	153406	8	152784	15.4	184.3	231.4	3600	109966	2	109687	11.1	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.025	0.017	0.022	0.014	0.019	0.017	0.016	0.014	0.018	0.017	0.039	2	0.037	2	9999	Si
5	0.027	0.018	0.023	0.015	0.02	0.018	0.017	0.015	0.019	0.018	0.042	2	0.039	2	9999	Si
50	0.04	0.027	0.035	0.024	0.031	0.027	0.027	0.024	0.029	0.028	0.065	2	0.061	2	6882	Si
95	0.051	0.035	0.044	0.03	0.04	0.035	0.034	0.03	0.038	0.035	0.083	2	0.078	2	5379	Si
100	0.052	0.035	0.045	0.031	0.04	0.036	0.035	0.031	0.038	0.036	0.085	2	0.079	2	5283	Si

Campata 3 - , sezione R 30x40, asta 60

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	217049	SLU 47	216125	760524	0.161	3.52							Si
5	6.03	5.5	6.03	5.5	222226	SLU 47	237856	760524	0.161	3.2							Si
35	6.03	5.5	6.03	5.5	251248	SLU 47	265038	760524	0.161	2.87							Si
68	6.03	5.5	6.03	5.5	278856	SLU 47	280668	760524	0.161	2.71							Si
70	6.03	5.5	6.03	5.5	280668	SLU 47	280668	760524	0.161	2.71							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	162130	SLV 7	161940	724241	0.258	4.47							Si
5	6.03	5.5	6.03	5.5	164645	SLV 7	173268	724241	0.258	4.18							Si
35	6.03	5.5	6.03	5.5	182227	SLV 7	193338	724241	0.258	3.75							Si
68	6.03	5.5	6.03	5.5	206603	SLV 7	208509	724241	0.258	3.47							Si
70	6.03	5.5	6.03	5.5	208509	SLV 7	208509	724241	0.258	3.47							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	134507	SLD 7	134261	724241	0.258	5.39							Si
5	6.03	5.5	6.03	5.5	137403	SLD 7	146490	724241	0.258	4.94							Si
35	6.03	5.5	6.03	5.5	154867	SLD 7	164304	724241	0.258	4.41							Si
68	6.03	5.5	6.03	5.5	174776	SLD 7	176233	724241	0.258	4.11							Si
70	6.03	5.5	6.03	5.5	176233	SLD 7	176233	724241	0.258	4.11							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1206	SLU 49	1206	5722	40526	18592	18592	1	15.42	Si
5	0.153	6.03	0	1186	SLU 49	1186	5722	40526	18592	18592	1	15.67	Si
35	0.153	6.03	0	1069	SLU 49	1069	5722	40526	18592	18592	1	17.38	Si
70	0.153	6.03	0	933	SLU 49	933	5722	40526	18592	18592	1	19.93	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1376	SLV 7	1376	5722	40526	18592	18592	1	13.51	Si
5	0.153	6.03	0	1361	SLV 7	1361	5722	40526	18592	18592	1	13.66	Si
35	0.153	6.03	0	1271	SLV 7	1271	5722	40526	18592	18592	1	14.63	Si
35	0.153	6.03	0	-10	SLV 9	-10	-5722	-40526	-18592	-18592	1	1781.68	Si
70	0.153	6.03	0	1166	SLV 7	1166	5722	40526	18592	18592	1	15.95	Si
70	0.153	6.03	0	-115	SLV 9	-115	-5722	-40526	-18592	-18592	1	161.06	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1028	SLD 7	1028	5722	40526	18592	18592	1	18.08	Si
5	0.153	6.03	0	1013	SLD 7	1013	5722	40526	18592	18592	1	18.35	Si
35	0.153	6.03	0	923	SLD 7	923	5722	40526	18592	18592	1	20.14	Si
70	0.153	6.03	0	818	SLD 7	818	5722	40526	18592	18592	1	22.73	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	153406	8	152784	15.4	184.3	231.4	3600	109967	2	109687	11.1	138.2			Si
5	157162	8	168475	17	184.3	255.2	3600	113604	2	124545	12.6	138.2			Si
35	178130	8	188027	19	184.3	284.8	3600	133861	2	143386	14.5	138.2			Si
70	199178	8	199178	20.1	184.3	301.7	3600	154080	2	154080	15.6	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.052	0.035	0.045	0.031	0.04	0.036	0.035	0.031	0.038	0.036	0.085	2	0.079	2	5283	Si
5	0.053	0.036	0.046	0.031	0.041	0.036	0.036	0.031	0.039	0.036	0.086	2	0.08	2	5197	Si
35	0.055	0.038	0.048	0.033	0.044	0.038	0.038	0.033	0.042	0.039	0.092	2	0.086	2	4878	Si
51	0.056	0.039	0.049	0.033	0.044	0.039	0.038	0.034	0.042	0.039	0.093	2	0.086	2	4830	Si
70	0.055	0.038	0.048	0.033	0.044	0.038	0.038	0.033	0.042	0.039	0.092	2	0.085	2	4884	Si

Campata 4 , sezione R 30x40, asta 61

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	258102	SLU 47	258102	760524	0.161	2.95							Si
1	6.03	5.5	6.03	5.5	257324	SLU 47	258102	760524	0.161	2.95							Si
15	6.03	5.5	6.03	5.5	246010	SLU 47	258102	760524	0.161	2.95							Si
25	6.03	5.5	6.03	5.5	237460	SLU 47	250712	760524	0.161	3.03							Si
30	6.03	5.5	6.03	5.5	233039	SLU 47	233039	760524	0.161	3.26							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	191035	SLV 7	191035	724241	0.258	3.79							Si
1	6.03	5.5	6.03	5.5	190614	SLV 7	191035	724241	0.258	3.79							Si
15	6.03	5.5	6.03	5.5	184670	SLV 7	191035	724241	0.258	3.79							Si
25	6.03	5.5	6.03	5.5	180368	SLV 7	187104	724241	0.258	3.87							Si
30	6.03	5.5	6.03	5.5	178199	SLV 7	178199	724241	0.258	4.06							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	161491	SLD 7	161491	724241	0.258	4.48							Si
1	6.03	5.5	6.03	5.5	161083	SLD 7	161491	724241	0.258	4.48							Si
15	6.03	5.5	6.03	5.5	155213	SLD 7	161491	724241	0.258	4.48							Si
25	6.03	5.5	6.03	5.5	150838	SLD 7	157641	724241	0.258	4.59							Si
30	6.03	5.5	6.03	5.5	148594	SLD 7	148594	724241	0.258	4.87							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-782	SLU 48	-782	-5722	-40526	-18592	-18592	1	23.79	Si
15	0.153	6.03	0	-840	SLU 48	-840	-5722	-40526	-18592	-18592	1	22.13	Si
25	0.153	6.03	0	-879	SLU 48	-879	-5722	-40526	-18592	-18592	1	21.15	Si
30	0.153	6.03	0	-899	SLU 48	-899	-5722	-40526	-18592	-18592	1	20.69	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-734	SLV 9	-734	-5722	-40526	-18592	-18592	1	25.33	Si
15	0.153	6.03	0	-779	SLV 9	-779	-5722	-40526	-18592	-18592	1	23.87	Si
25	0.153	6.03	0	-809	SLV 9	-809	-5722	-40526	-18592	-18592	1	22.98	Si
30	0.153	6.03	0	-824	SLV 9	-824	-5722	-40526	-18592	-18592	1	22.56	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-552	SLD 9	-552	-5722	-40526	-18592	-18592	1	33.67	Si
15	0.153	6.03	0	-597	SLD 9	-597	-5722	-40526	-18592	-18592	1	31.13	Si
25	0.153	6.03	0	-627	SLD 9	-627	-5722	-40526	-18592	-18592	1	29.64	Si
30	0.153	6.03	0	-642	SLD 9	-642	-5722	-40526	-18592	-18592	1	28.95	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	183095	8	183095	18.5	184.3	277.4	3600	141225	2	141225	14.3	138.2			Si
15	174535	8	183095	18.5	184.3	277.4	3600	135202	2	141225	14.3	138.2			Si
25	168453	8	177870	18	184.3	269.4	3600	130811	2	137572	13.9	138.2			Si
30	165300	8	165300	16.7	184.3	250.4	3600	128503	2	128503	13	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.055	0.038	0.048	0.033	0.044	0.038	0.038	0.033	0.042	0.039	0.092	2	0.085	2	4884	Si
15	0.053	0.037	0.046	0.032	0.042	0.037	0.037	0.032	0.041	0.038	0.089	2	0.083	2	5018	Si
25	0.052	0.036	0.045	0.031	0.041	0.036	0.036	0.032	0.039	0.037	0.087	2	0.081	2	5154	Si
30	0.051	0.036	0.044	0.031	0.041	0.036	0.035	0.031	0.039	0.036	0.086	2	0.079	2	5239	Si

Campata 5 , sezione R 30x40, aste 62, 63

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	223172	SLU 47	218446	760524	0.161	3.48							Si
5	6.03	5.5	6.03	5.5	213671	SLU 47	213671	760524	0.161	3.56							Si
50	6.03	5.5	6.03	5.5	125029	SLU 51	156145	760524	0.161	4.87							Si
95	6.03	5.5	6.03	5.5	43406	SLU 49	71973	760524	0.161	10.57							Si
100	6.03	5.5	6.03	5.5	34108	SLU 49	34108	760524	0.161	22.3	-1015	SLU 5	-1015	-760524	0.161	749.4	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	175101	SLV 7	172918	724241	0.258	4.19							Si
5	6.03	5.5	6.03	5.5	169550	SLV 7	169550	724241	0.258	4.27							Si
50	6.03	5.5	6.03	5.5	118768	SLV 7	136628	724241	0.258	5.3							Si
95	6.03	5.5	6.03	5.5	85407	SLV 7	100269	724241	0.258	7.22	-38427	SLV 9	-38427	-724241	0.258	18.85	Si
100	6.03	5.5	6.03	5.5	80577	SLV 7	80577	724241	0.258	8.99	-45427	SLV 9	-42204	-724241	0.258	17.16	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	144917	SLD 7	142630	724241	0.258	5.08							Si
5	6.03	5.5	6.03	5.5	139713	SLD 7	139713	724241	0.258	5.18							Si
50	6.03	5.5	6.03	5.5	90869	SLD 7	108312	724241	0.258	6.69							Si
95	6.03	5.5	6.03	5.5	50159	SLD 7	66560	724241	0.258	10.88	-3179	SLD 9	-3179	-724241	0.258	227.83	Si
100	6.03	5.5	6.03	5.5	44808	SLD 7	44808	724241	0.258	16.16	-9657	SLD 9	-6517	-724241	0.258	111.13	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-1893	SLU 48	-1893	-5722	-40526	-18592	-18592	1	9.82	Si
5	0.153	6.03	0	-1912	SLU 48	-1912	-5722	-40526	-18592	-18592	1	9.72	Si
50	0.153	6.03	0	-2088	SLU 48	-2088	-5722	-40526	-18592	-18592	1	8.91	Si
95	0.153	6.03	0	-2205	SLU 48	-2205	-5722	-40526	-18592	-18592	1	8.43	Si
100	0.153	6.03	0	-2224	SLU 48	-2224	-5722	-40526	-18592	-18592	1	8.36	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-1332	SLV 7	-1332	-5722	-40526	-18592	-18592	1	13.96	Si
5	0.153	6.03	0	-1347	SLV 7	-1347	-5722	-40526	-18592	-18592	1	13.8	Si
50	0.153	6.03	0	-1482	SLV 7	-1482	-5722	-40526	-18592	-18592	1	12.54	Si
95	0.153	6.03	0	-1511	SLV 9	-1511	-5722	-40526	-18592	-18592	1	12.31	Si
100	0.153	6.03	0	-1526	SLV 9	-1526	-5722	-40526	-18592	-18592	1	12.19	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-1152	SLD 7	-1152	-5722	-40526	-18592	-18592	1	16.14	Si
5	0.153	6.03	0	-1167	SLD 7	-1167	-5722	-40526	-18592	-18592	1	15.93	Si
50	0.153	6.03	0	-1302	SLD 7	-1302	-5722	-40526	-18592	-18592	1	14.28	Si
95	0.153	6.03	0	-1335	SLD 9	-1335	-5722	-40526	-18592	-18592	1	13.92	Si
100	0.153	6.03	0	-1350	SLD 9	-1350	-5722	-40526	-18592	-18592	1	13.77	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	158398	8	155065	15.7	184.3	234.9	3600	124418	2	121928	12.3	138.2			Si
5	151695	8	151695	15.3	184.3	229.8	3600	119401	2	119401	12.1	138.2			Si
50	88832	12	110983	11.2	184.3	168.1	3600	70870	2	88494	8.9	138.2			Si
95	30509	10	51052	5.2	184.3	77.3	3600	23490	2	41577	4.2	138.2			Si
100	23813	10	23813	2.4	184.3	36.1	3600	17575	2	17575	1.8	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.051	0.036	0.044	0.031	0.041	0.036	0.035	0.031	0.039	0.036	0.086	2	0.079	2	5239	Si
5	0.05	0.035	0.043	0.03	0.04	0.035	0.035	0.03	0.038	0.035	0.084	2	0.078	2	5334	Si
50	0.038	0.027	0.033	0.023	0.031	0.027	0.027	0.023	0.03	0.027	0.065	2	0.06	2	6898	Si
95	0.023	0.017	0.02	0.014	0.019	0.017	0.016	0.014	0.018	0.017	0.04	2	0.037	2	9999	Si
100	0.022	0.015	0.018	0.013	0.018	0.015	0.015	0.013	0.017	0.016	0.036	2	0.034	2	9999	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	71015	SLU 49	59285	760524	0.161	12.83							Si
5	6.03	5.5	6.03	5.5	47508	SLU 49	47508	760524	0.161	16.01	-365	SLU 5	-69750	-760524	0.161	10.9	Si
31	6.03	5.5	6.03	5.5							-129951	SLU 48	-221225	-760524	0.161	3.44	Si
48	6.03	5.5	6.03	5.5							-225870	SLU 48	-225870	-760524	0.161	3.37	Si
63	6.03	5.5	6.03	5.5							-313988	SLU 48	-269710	-760524	0.161	2.82	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	113705	SLV 7	105066	724241	0.258	6.89	-32466	SLV 9	-32466	-724241	0.258	22.31	Si
5	6.03	5.5	6.03	5.5	99314	SLV 7	99314	724241	0.258	7.29	-47787	SLV 9	-99866	-724241	0.258	7.25	Si
31	6.03	5.5	6.03	5.5	30645	SLV 7	69819	724241	0.258	10.37	-139072	SLV 9	-200436	-724241	0.258	3.61	Si
48	6.03	5.5	6.03	5.5	-6503	SLV 7	28780	724241	0.258	25.16	-203651	SLV 9	-203651	-724241	0.258	3.56	Si
63	6.03	5.5	6.03	5.5							-265950	SLV 9	-232040	-724241	0.258	3.12	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	71349	SLD 7	63551	724241	0.258	11.4							Si
5	6.03	5.5	6.03	5.5	56942	SLD 7	56942	724241	0.258	12.72	-5414	SLD 9	-55712	-724241	0.258	13	Si
31	6.03	5.5	6.03	5.5	-16302	SLD 7	26509	724241	0.258	27.32	-92125	SLD 9	-147334	-724241	0.258	4.92	Si
48	6.03	5.5	6.03	5.5							-150185	SLD 9	-150185	-724241	0.258	4.82	Si
63	6.03	5.5	6.03	5.5							-204842	SLD 9	-175999	-724241	0.258	4.12	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-5658	SLU 48	-5658	-5722	-40526	-18592	-18592	1	3.29	Si
5	0.153	6.03	0	-5678	SLU 48	-5678	-5722	-40526	-18592	-18592	1	3.27	Si
31	0.153	6.03	0	-5781	SLU 48	-5781	-5722	-40526	-18592	-18592	1	3.22	Si
48	0.153	6.03	0	-5845	SLU 48	-5845	-5722	-40526	-18592	-18592	1	3.18	Si
63	0.153	6.03	0	-5904	SLU 48	-5904	-5722	-40526	-18592	-18592	1	3.15	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-4434	SLV 1	-4434	-5722	-40526	-18592	-18592	1	4.19	Si
5	0.153	6.03	0	-4449	SLV 1	-4449	-5722	-40526	-18592	-18592	1	4.18	Si
31	0.153	6.03	0	-4529	SLV 1	-4529	-5722	-40526	-18592	-18592	1	4.11	Si
48	0.153	6.03	0	-4578	SLV 1	-4578	-5722	-40526	-18592	-18592	1	4.06	Si
63	0.153	6.03	0	-4623	SLV 1	-4623	-5722	-40526	-18592	-18592	1	4.02	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-3633	SLD 1	-3633	-5722	-40526	-18592	-18592	1	5.12	Si
5	0.153	6.03	0	-3648	SLD 1	-3648	-5722	-40526	-18592	-18592	1	5.1	Si
31	0.153	6.03	0	-3728	SLD 1	-3728	-5722	-40526	-18592	-18592	1	4.99	Si
48	0.153	6.03	0	-3777	SLD 1	-3777	-5722	-40526	-18592	-18592	1	4.92	Si
63	0.153	6.03	0	-3822	SLD 1	-3822	-5722	-40526	-18592	-18592	1	4.86	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	50101	10	41705	4.2	184.3	63.2	3600	40619	2	33210	3.4	138.2			Si
5	33274	10	33274	3.4	184.3	50.4	3600	25764	2	25764	2.6	138.2			Si
31	-91322	9	-156033	15.8	184.3	236.4	3600	-54214	2	-102608	10.4	138.2			Si
48	-159327	9	-159327	16.1	184.3	241.3	3600	-105077	2	-105077	10.6	138.2			Si
63	-221857	9	-190424	19.2	184.3	288.5	3600	-152023	2	-128382	13	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.022	0.015	0.018	0.013	0.018	0.015	0.015	0.013	0.017	0.016	0.036	2	0.034	2	9999	Si
5	0.02	0.014	0.017	0.012	0.016	0.014	0.014	0.012	0.016	0.014	0.033	2	0.031	2	9999	Si
31	0.01	0.007	0.008	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.017	2	0.016	2	9999	Si
48	0.004	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.008	2	0.007	2	9999	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-388976	SLU 48	-319865	-760524	0.161	2.38	Si
15	6.03	5.5	6.03	5.5							-251192	SLU 48	-251192	-760524	0.161	3.03	Si
19	6.03	5.5	6.03	5.5							-219168	SLU 48	-251192	-760524	0.161	3.03	Si
32	6.03	5.5	6.03	5.5							-96098	SLU 48	-239338	-760524	0.161	3.18	Si
37	6.03	5.5	6.03	5.5							-53232	SLU 44	-53232	-760524	0.161	14.29	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-383126	SLV 9	-331382	-724241	0.258	2.19	Si
15	6.03	5.5	6.03	5.5	36479	SLV 7	104443	724241	0.258	6.93	-287631	SLV 9	-287631	-724241	0.258	2.52	Si
19	6.03	5.5	6.03	5.5	50803	SLV 7	110467	724241	0.258	6.56	-266580	SLV 9	-287631	-724241	0.258	2.52	Si
32	6.03	5.5	6.03	5.5	110467	SLV 7	110467	724241	0.258	6.56	-190491	SLV 9	-279783	-724241	0.258	2.59	Si
37	6.03	5.5	6.03	5.5	134299	SLV 7	121049	724241	0.258	5.98	-164321	SLV 9	-164321	-724241	0.258	4.41	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-284170	SLD 9	-240290	-724241	0.258	3.01	Si
15	6.03	5.5	6.03	5.5	-51398	SLD 7	22700	724241	0.258	31.9	-199755	SLD 9	-199755	-724241	0.258	3.63	Si
19	6.03	5.5	6.03	5.5	-35168	SLD 7	28956	724241	0.258	25.01	-180610	SLD 9	-199755	-724241	0.258	3.63	Si
32	6.03	5.5	6.03	5.5	28956	SLD 7	28956	724241	0.258	25.01	-108980	SLD 9	-192645	-724241	0.258	3.76	Si
37	6.03	5.5	6.03	5.5	53310	SLD 7	40610	724241	0.258	17.83	-83332	SLD 9	-83332	-724241	0.258	8.69	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	9215	SLU 48	9215	5722	40526	18592	18592	1	2.02	Si
15	0.153	6.03	0	9156	SLU 48	9156	5722	40526	18592	18592	1	2.03	Si
19	0.153	6.03	0	9143	SLU 48	9143	5722	40526	18592	18592	1	2.03	Si
32	0.153	6.03	0	9090	SLU 48	9090	5722	40526	18592	18592	1	2.05	Si
37	0.153	6.03	0	9071	SLU 48	9071	5722	40526	18592	18592	1	2.05	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	8290	SLV 1	8290	5722	40526	18592	18592	1	2.24	Si
15	0.153	6.03	0	8245	SLV 1	8245	5722	40526	18592	18592	1	2.26	Si
19	0.153	6.03	0	8234	SLV 1	8234	5722	40526	18592	18592	1	2.26	Si
32	0.153	6.03	0	8194	SLV 1	8194	5722	40526	18592	18592	1	2.27	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
37	0.153	6.03	0	8179	SLV 1	8179	5722	40526	18592	18592	1	2.27	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	6461	SLD 1	6461	5722	40526	18592	18592	1	2.88	Si
15	0.153	6.03	0	6416	SLD 1	6416	5722	40526	18592	18592	1	2.9	Si
19	0.153	6.03	0	6405	SLD 1	6405	5722	40526	18592	18592	1	2.9	Si
32	0.153	6.03	0	6365	SLD 1	6365	5722	40526	18592	18592	1	2.92	Si
37	0.153	6.03	0	6350	SLD 1	6350	5722	40526	18592	18592	1	2.93	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-276155	9	-227028	22.9	184.3	343.9	3600	-201793	2	-163516	16.5	138.2			Si
15	-178238	9	-178238	18	184.3	270	3600	-125576	2	-125576	12.7	138.2			Si
19	-155487	9	-178238	18	184.3	270	3600	-107889	2	-125576	12.7	138.2			Si
32	-68080	9	-169816	17.1	184.3	257.2	3600	-40012	2	-119028	12	138.2			Si
37	-37537	5	-37537	3.8	184.3	56.9	3600	-15735	1	-15735	1.6	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.001	0.001	0.001	0	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si
19	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
32	0.004	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.005	2	0.004	2	9999	Si
37	0.004	0.003	0.003	0.002	0.004	0.003	0.002	0.002	0.004	0.003	0.006	2	0.005	2	9999	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-117830	SLU 48	-109361	-760524	0.161	6.95	Si
5	6.03	5.5	6.03	5.5							-100941	SLU 48	-100941	-760524	0.161	7.53	Si
50	6.03	5.5	6.03	5.5	53098	SLU 51	68193	760524	0.161	11.15	21447	SLU 2	-10905	-760524	0.161	69.74	Si
95	6.03	5.5	6.03	5.5	117842	SLU 47	117842	760524	0.161	6.45							Si
100	6.03	5.5	6.03	5.5	126034	SLU 47	124777	760524	0.161	6.1							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	65452	SLV 7	65452	724241	0.258	11.07	-178303	SLV 9	-170813	-724241	0.258	4.24	Si
5	6.03	5.5	6.03	5.5	69967	SLV 7	83820	724241	0.258	8.64	-164734	SLV 9	-164734	-724241	0.258	4.4	Si
50	6.03	5.5	6.03	5.5	108687	SLV 7	108687	724241	0.258	6.66	-47445	SLV 9	-87304	-724241	0.258	8.3	Si
95	6.03	5.5	6.03	5.5	100908	SLV 7	100908	724241	0.258	7.18							Si
100	6.03	5.5	6.03	5.5	101930	SLV 7	101257	724241	0.258	7.15							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-111792	SLD 9	-105897	-724241	0.258	6.84	Si
5	6.03	5.5	6.03	5.5	5902	SLD 7	27339	724241	0.258	26.49	-100669	SLD 9	-100669	-724241	0.258	7.19	Si
50	6.03	5.5	6.03	5.5	65752	SLD 7	65752	724241	0.258	11.01	-4510	SLD 9	-37229	-724241	0.258	19.45	Si
95	6.03	5.5	6.03	5.5	80145	SLD 7	80145	724241	0.258	9.04							Si
100	6.03	5.5	6.03	5.5	82831	SLD 7	81423	724241	0.258	8.89							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	3388	SLU 48	3388	5722	40526	18592	18592	1	5.49	Si
5	0.153	6.03	0	3368	SLU 48	3368	5722	40526	18592	18592	1	5.52	Si
50	0.153	6.03	0	3193	SLU 48	3193	5722	40526	18592	18592	1	5.82	Si
95	0.153	6.03	0	1656	SLU 48	1656	5722	40526	18592	18592	1	11.23	Si
100	0.153	6.03	0	1636	SLU 48	1636	5722	40526	18592	18592	1	11.36	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	2775	SLV 5	2775	5722	40526	18592	18592	1	6.7	Si
5	0.153	6.03	0	2760	SLV 5	2760	5722	40526	18592	18592	1	6.74	Si
50	0.153	6.03	0	2625	SLV 5	2625	5722	40526	18592	18592	1	7.08	Si
95	0.153	6.03	0	1510	SLV 9	1510	5722	40526	18592	18592	1	12.32	Si
100	0.153	6.03	0	1495	SLV 9	1495	5722	40526	18592	18592	1	12.44	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	2253	SLD 5	2253	5722	40526	18592	18592	1	8.25	Si
5	0.153	6.03	0	2238	SLD 5	2238	5722	40526	18592	18592	1	8.31	Si
50	0.153	6.03	0	2103	SLD 5	2103	5722	40526	18592	18592	1	8.84	Si
95	0.153	6.03	0	1138	SLD 9	1138	5722	40526	18592	18592	1	16.34	Si
100	0.153	6.03	0	1123	SLD 9	1123	5722	40526	18592	18592	1	16.56	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-83571	9	-77544	7.8	184.3	117.5	3600	-56426	2	-51886	5.2	138.2			Si
5	-71555	9	-71555	7.2	184.3	108.4	3600	-47384	2	-47384	4.8	138.2			Si
50	37494	12	48466	4.9	184.3	73.4	3600	30621	2	38802	3.9	138.2			Si
95	83562	8	83562	8.4	184.3	126.6	3600	64249	2	64249	6.5	138.2			Si
100	89330	8	88536	8.9	184.3	134.1	3600	68335	2	66311	6.7	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
0	0.004	0.003	0.003	0.002	0.004	0.003	0.002	0.002	0.004	0.003	0.006	2	0.005	2	9999	Si
5	0.005	0.004	0.003	0.002	0.004	0.004	0.003	0.002	0.004	0.004	0.007	2	0.007	2	9999	Si
50	0.012	0.009	0.009	0.007	0.01	0.009	0.008	0.007	0.01	0.009	0.019	2	0.017	2	9999	Si
95	0.018	0.013	0.014	0.01	0.015	0.013	0.012	0.01	0.014	0.013	0.028	2	0.026	2	9999	Si
100	0.018	0.013	0.015	0.01	0.015	0.013	0.012	0.011	0.014	0.013	0.029	2	0.027	2	9999	Si

Campata 9 , sezione R 30x40, aste 68, 69

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	125939	SLU 47	124777	760524	0.161	6.1							Si
5	6.03	5.5	6.03	5.5	129196	SLU 47	138789	760524	0.161	5.48							Si
37	6.03	5.5	6.03	5.5	147560	SLU 47	154122	760524	0.161	4.93							Si
50	6.03	5.5	6.03	5.5	154122	SLU 47	154122	760524	0.161	4.93							Si
95	6.03	5.5	6.03	5.5	131366	SLU 47	139162	760524	0.161	5.47							Si
100	6.03	5.5	6.03	5.5	128681	SLU 47	128681	760524	0.161	5.91							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	92772	SLV 7	92772	724241	0.258	7.81							Si
5	6.03	5.5	6.03	5.5	92069	SLV 7	92069	724241	0.258	7.87							Si
50	6.03	5.5	6.03	5.5	103026	SLV 7	115229	724241	0.258	6.29							Si
95	6.03	5.5	6.03	5.5	128345	SLV 9	128345	724241	0.258	5.64							Si
100	6.03	5.5	6.03	5.5	130259	SLV 9	129401	724241	0.258	5.6							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	78254	SLD 7	78254	724241	0.258	9.25							Si
5	6.03	5.5	6.03	5.5	78966	SLD 7	81836	724241	0.258	8.85							Si
50	6.03	5.5	6.03	5.5	92539	SLD 7	96227	724241	0.258	7.53							Si
95	6.03	5.5	6.03	5.5	97561	SLD 9	97561	724241	0.258	7.42							Si
97	6.03	5.5	6.03	5.5	97561	SLD 9	97561	724241	0.258	7.42							Si
100	6.03	5.5	6.03	5.5	97540	SLD 9	97540	724241	0.258	7.43							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	669	SLU 48	669	5722	40526	18592	18592	1	27.8	Si
5	0.153	6.03	0	649	SLU 48	649	5722	40526	18592	18592	1	28.63	Si
50	0.153	6.03	0	474	SLU 48	474	5722	40526	18592	18592	1	39.23	Si
95	0.153	6.03	0	-534	SLU 51	-534	-5722	-40526	-18592	-18592	1	34.8	Si
100	0.153	6.03	0	-554	SLU 51	-554	-5722	-40526	-18592	-18592	1	33.57	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1031	SLV 9	1031	5722	40526	18592	18592	1	18.04	Si
0	0.153	6.03	0	-292	SLV 7	-292	-5722	-40526	-18592	-18592	1	63.62	Si
5	0.153	6.03	0	1016	SLV 9	1016	5722	40526	18592	18592	1	18.31	Si
5	0.153	6.03	0	-307	SLV 7	-307	-5722	-40526	-18592	-18592	1	60.51	Si
50	0.153	6.03	0	881	SLV 9	881	5722	40526	18592	18592	1	21.11	Si
50	0.153	6.03	0	-442	SLV 7	-442	-5722	-40526	-18592	-18592	1	42.04	Si
95	0.153	6.03	0	422	SLV 9	422	5722	40526	18592	18592	1	44.04	Si
95	0.153	6.03	0	-1087	SLV 7	-1087	-5722	-40526	-18592	-18592	1	17.11	Si
100	0.153	6.03	0	407	SLV 9	407	5722	40526	18592	18592	1	45.66	Si
100	0.153	6.03	0	-1102	SLV 7	-1102	-5722	-40526	-18592	-18592	1	16.88	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	672	SLD 9	672	5722	40526	18592	18592	1	27.65	Si
5	0.153	6.03	0	657	SLD 9	657	5722	40526	18592	18592	1	28.28	Si
50	0.153	6.03	0	522	SLD 9	522	5722	40526	18592	18592	1	35.59	Si
50	0.153	6.03	0	-84	SLD 7	-84	-5722	-40526	-18592	-18592	1	221.49	Si
95	0.153	6.03	0	16	SLD 9	16	5722	40526	18592	18592	1	1198.04	Si
95	0.153	6.03	0	-680	SLD 7	-680	-5722	-40526	-18592	-18592	1	27.34	Si
100	0.153	6.03	0	1	SLD 9	1	5722	40526	18592	18592	1	35837.57	Si
100	0.153	6.03	0	-695	SLD 7	-695	-5722	-40526	-18592	-18592	1	26.75	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	89418	8	88641	9	184.3	134.3	3600	67883	2	67883	6.9	138.2			Si
5	91756	8	98609	10	184.3	149.4	3600	69691	2	74881	7.6	138.2			Si
50	109422	8	109422	11.1	184.3	165.8	3600	82593	2	82593	8.3	138.2			Si
95	93332	8	98954	10	184.3	149.9	3600	69274	2	74118	7.5	138.2			Si
100	91386	8	90692	9.2	184.3	137.4	3600	67575	2	67575	6.8	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
0	0.018	0.013	0.015	0.01	0.015	0.013	0.012	0.011	0.014	0.013	0.029	2	0.027	2	9999	Si
5	0.019	0.013	0.015	0.011	0.015	0.014	0.012	0.011	0.015	0.014	0.03	2	0.028	2	9999	Si
43	0.02	0.015	0.016	0.012	0.016	0.015	0.013	0.012	0.016	0.015	0.032	2	0.03	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
50	0.02	0.015	0.016	0.012	0.016	0.015	0.013	0.012	0.016	0.015	0.032	2	0.03	2	9999	Si
95	0.018	0.013	0.014	0.01	0.014	0.013	0.012	0.01	0.014	0.013	0.028	2	0.026	2	9999	Si
100	0.017	0.012	0.014	0.01	0.014	0.013	0.011	0.01	0.013	0.013	0.027	2	0.026	2	9999	Si

Campata 10 , sezione R 30x40, aste 70, 71

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	128595	SLU 48	127572	760524	0.161	5.96							Si
5	6.03	5.5	6.03	5.5	121608	SLU 48	121608	760524	0.161	6.25							Si
49	6.03	5.5	6.03	5.5	55927	SLU 48	125119	760524	0.161	6.08							Si
83	6.03	5.5	6.03	5.5	-32556	SLU 2	53096	760524	0.161	14.32	-83423	SLU 51	-83423	-760524	0.161	9.12	Si
98	6.03	5.5	6.03	5.5							-213500	SLU 51	-148243	-760524	0.161	5.13	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	134510	SLV 9	134510	724241	0.258	5.38							Si
5	6.03	5.5	6.03	5.5	136680	SLV 9	143097	724241	0.258	5.06	-6665	SLV 7	-36296	-724241	0.258	19.95	Si
49	6.03	5.5	6.03	5.5	152985	SLV 9	215190	724241	0.258	3.37	-91720	SLV 7	-104880	-724241	0.258	6.91	Si
83	6.03	5.5	6.03	5.5	145679	SLV 9	187718	724241	0.258	3.86	-232539	SLV 7	-232539	-724241	0.258	3.11	Si
98	6.03	5.5	6.03	5.5	112832	SLV 9	112832	724241	0.258	6.42	-348312	SLV 7	-295681	-724241	0.258	2.45	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	100012	SLD 9	99572	724241	0.258	7.27							Si
5	6.03	5.5	6.03	5.5	99136	SLD 9	99136	724241	0.258	7.31							Si
49	6.03	5.5	6.03	5.5	88357	SLD 9	139789	724241	0.258	5.18	-27092	SLD 7	-36209	-724241	0.258	20	Si
83	6.03	5.5	6.03	5.5	45504	SLD 9	105559	724241	0.258	6.86	-132364	SLD 7	-132364	-724241	0.258	5.47	Si
98	6.03	5.5	6.03	5.5							-226031	SLD 7	-181158	-724241	0.258	4	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-1399	SLU 47	-1399	-5722	-40526	-18592	-18592	1	13.29	Si
5	0.153	6.03	0	-1418	SLU 47	-1418	-5722	-40526	-18592	-18592	1	13.11	Si
49	0.153	6.03	0	-1590	SLU 47	-1590	-5722	-40526	-18592	-18592	1	11.69	Si
83	0.153	6.03	0	-8643	SLU 51	-8643	-5722	-40526	-18592	-18592	1	2.15	Si
98	0.153	6.03	0	-8701	SLU 51	-8701	-5722	-40526	-18592	-18592	1	2.14	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	463	SLV 9	463	5722	40526	18592	18592	1	40.15	Si
0	0.153	6.03	0	-1864	SLV 7	-1864	-5722	-40526	-18592	-18592	1	9.98	Si
5	0.153	6.03	0	448	SLV 9	448	5722	40526	18592	18592	1	41.5	Si
5	0.153	6.03	0	-1879	SLV 7	-1879	-5722	-40526	-18592	-18592	1	9.9	Si
49	0.153	6.03	0	316	SLV 9	316	5722	40526	18592	18592	1	58.83	Si
49	0.153	6.03	0	-2011	SLV 7	-2011	-5722	-40526	-18592	-18592	1	9.25	Si
83	0.153	6.03	0	-8580	SLV 3	-8580	-5722	-40526	-18592	-18592	1	2.17	Si
98	0.153	6.03	0	-8625	SLV 3	-8625	-5722	-40526	-18592	-18592	1	2.16	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-1241	SLD 7	-1241	-5722	-40526	-18592	-18592	1	14.98	Si
5	0.153	6.03	0	-1256	SLD 7	-1256	-5722	-40526	-18592	-18592	1	14.8	Si
49	0.153	6.03	0	-1388	SLD 7	-1388	-5722	-40526	-18592	-18592	1	13.4	Si
83	0.153	6.03	0	-6561	SLD 3	-6561	-5722	-40526	-18592	-18592	1	2.83	Si
98	0.153	6.03	0	-6606	SLD 3	-6606	-5722	-40526	-18592	-18592	1	2.81	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	91470	9	90692	9.2	184.3	137.4	3600	68547	2	66796	6.7	138.2			Si
5	86546	9	86546	8.7	184.3	131.1	3600	65007	2	65007	6.6	138.2			Si
49	39994	9	88943	9	184.3	134.7	3600	30632	2	75034	7.6	138.2			Si
83	-58584	12	-58584	5.9	184.3	88.7	3600	-43430	2	-43430	4.4	138.2			Si
98	-150687	12	-104467	10.5	184.3	158.2	3600	-117740	2	-80416	8.1	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
0	0.017	0.012	0.014	0.01	0.014	0.013	0.011	0.01	0.013	0.013	0.027	2	0.026	2	9999	Si
5	0.017	0.012	0.013	0.01	0.014	0.012	0.011	0.01	0.013	0.012	0.026	2	0.025	2	9999	Si
49	0.01	0.007	0.008	0.006	0.008	0.007	0.006	0.006	0.008	0.007	0.015	2	0.014	2	9999	Si
83	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si

Trave 30x40 dx bassa

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x40	Rettangolare	30	40	3.5	3.5	3.5

Output campate

Campata 1 , sezione R 30x40, asta 153

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-212855	SLU 47	-191247	-760524	0.161	3.98	Si
15	6.03	5.5	6.03	5.5							-170483	SLU 51	-170483	-760524	0.161	4.46	Si
43	6.03	5.5	6.03	5.5							-95821	SLU 51	-138101	-760524	0.161	5.51	Si
80	6.03	5.5	6.03	5.5	22106	SLU 31	22106	760524	0.161	34.4	-8773	SLU 23	-43440	-760524	0.161	17.51	Si
85	6.03	5.5	6.03	5.5	32407	SLU 44	31588	760524	0.161	24.08							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	10064	SLV 11	10064	724241	0.258	71.96	-246307	SLV 5	-223284	-724241	0.258	3.24	Si
15	6.03	5.5	6.03	5.5	24998	SLV 11	39996	724241	0.258	18.11	-214554	SLV 5	-214554	-724241	0.258	3.38	Si
43	6.03	5.5	6.03	5.5	50842	SLV 11	64747	724241	0.258	11.19	-158297	SLV 5	-190111	-724241	0.258	3.81	Si
80	6.03	5.5	6.03	5.5	83109	SLV 7	83109	724241	0.258	8.71	-85933	SLV 9	-115602	-724241	0.258	6.26	Si
85	6.03	5.5	6.03	5.5	87183	SLV 7	86918	724241	0.258	8.33	-76689	SLV 9	-76689	-724241	0.258	9.44	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-181062	SLD 5	-163717	-724241	0.258	4.42	Si
15	6.03	5.5	6.03	5.5							-153603	SLD 5	-153603	-724241	0.258	4.72	Si
43	6.03	5.5	6.03	5.5	-2378	SLD 11	15827	724241	0.258	45.76	-105077	SLD 5	-132501	-724241	0.258	5.47	Si
80	6.03	5.5	6.03	5.5	39964	SLD 7	39964	724241	0.258	18.12	-42788	SLD 9	-68322	-724241	0.258	10.6	Si
85	6.03	5.5	6.03	5.5	45322	SLD 7	45047	724241	0.258	16.08	-34828	SLD 9	-34828	-724241	0.258	20.8	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	2981	SLU 47	2981	5722	40526	18592	18592	1	6.24	Si
15	0.153	6.03	0	2923	SLU 47	2923	5722	40526	18592	18592	1	6.36	Si
43	0.153	6.03	0	2815	SLU 47	2815	5722	40526	18592	18592	1	6.6	Si
80	0.153	6.03	0	2669	SLU 47	2669	5722	40526	18592	18592	1	6.97	Si
85	0.153	6.03	0	2650	SLU 47	2650	5722	40526	18592	18592	1	7.02	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	2171	SLV 7	2171	5722	40526	18592	18592	1	8.56	Si
15	0.153	6.03	0	2126	SLV 7	2126	5722	40526	18592	18592	1	8.74	Si
43	0.153	6.03	0	2044	SLV 7	2044	5722	40526	18592	18592	1	9.1	Si
80	0.153	6.03	0	1931	SLV 7	1931	5722	40526	18592	18592	1	9.63	Si
85	0.153	6.03	0	1916	SLV 7	1916	5722	40526	18592	18592	1	9.7	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1864	SLD 7	1864	5722	40526	18592	18592	1	9.98	Si
15	0.153	6.03	0	1819	SLD 7	1819	5722	40526	18592	18592	1	10.22	Si
43	0.153	6.03	0	1736	SLD 7	1736	5722	40526	18592	18592	1	10.71	Si
80	0.153	6.03	0	1624	SLD 7	1624	5722	40526	18592	18592	1	11.45	Si
85	0.153	6.03	0	1609	SLD 7	1609	5722	40526	18592	18592	1	11.56	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente						Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-150690	8	-135318	13.7	184.3	205	3600	-118121	2	-106282	10.7	138.2			Si
15	-120554	12	-120554	12.2	184.3	182.6	3600	-94778	2	-94778	9.6	138.2			Si
43	-67552	12	-97545	9.9	184.3	147.8	3600	-53728	2	-76895	7.8	138.2			Si
80	14237	5	14237	1.4	184.3	21.6	3600	229	1	229	0	138.2			Si
80	-5242	10	-30288	3.1	184.3	45.9	3600	-1412	2	-22810	2.3	138.2			Si
85	22327	5	21775	2.2	184.3	33	3600	6391	1	6141	0.6	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.003	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si
43	0.01	0.007	0.009	0.006	0.008	0.007	0.006	0.006	0.007	0.007	0.015	2	0.015	2	9999	Si
80	0.021	0.014	0.018	0.012	0.016	0.014	0.014	0.012	0.015	0.014	0.033	2	0.031	2	9999	Si
85	0.022	0.015	0.019	0.013	0.017	0.015	0.015	0.013	0.016	0.015	0.035	2	0.033	2	9999	Si

Campata 2 , sezione R 30x40, asta 154

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	32407	SLU 44	31588	760524	0.161	24.08							Si
5	6.03	5.5	6.03	5.5	40457	SLU 44	66587	760524	0.161	11.42							Si
50	6.03	5.5	6.03	5.5	117764	SLU 48	143816	760524	0.161	5.29							Si
95	6.03	5.5	6.03	5.5	190582	SLU 47	190582	760524	0.161	3.99							Si
100	6.03	5.5	6.03	5.5	198252	SLU 47	197327	760524	0.161	3.85							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	87183	SLV 7	86918	724241	0.258	8.33	-76689	SLV 9	-76689	-724241	0.258	9.44	Si
5	6.03	5.5	6.03	5.5	90100	SLV 7	98998	724241	0.258	7.32	-68662	SLV 9	-68662	-724241	0.258	10.55	Si
50	6.03	5.5	6.03	5.5	114861	SLV 7	123313	724241	0.258	5.87	-1597	SLV 9	-23840	-724241	0.258	30.38	Si
95	6.03	5.5	6.03	5.5	140072	SLV 7	140072	724241	0.258	5.17							Si
100	6.03	5.5	6.03	5.5	143170	SLV 7	142983	724241	0.258	5.07							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	45321	SLD 7	45047	724241	0.258	16.08	-34828	SLD 9	-34828	-724241	0.258	20.79	Si
5	6.03	5.5	6.03	5.5	49502	SLD 7	62227	724241	0.258	11.64	-28064	SLD 9	-28064	-724241	0.258	25.81	Si
50	6.03	5.5	6.03	5.5	84398	SLD 7	95571	724241	0.258	7.58							Si
95	6.03	5.5	6.03	5.5	115598	SLD 7	115598	724241	0.258	6.27							Si
100	6.03	5.5	6.03	5.5	118973	SLD 7	118737	724241	0.258	6.1							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1913	SLU 47	1913	5722	40526	18592	18592	1	9.72	Si
5	0.153	6.03	0	1894	SLU 47	1894	5722	40526	18592	18592	1	9.82	Si
50	0.153	6.03	0	1718	SLU 47	1718	5722	40526	18592	18592	1	10.82	Si
95	0.153	6.03	0	1543	SLU 47	1543	5722	40526	18592	18592	1	12.05	Si
100	0.153	6.03	0	1523	SLU 47	1523	5722	40526	18592	18592	1	12.21	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1695	SLV 7	1695	5722	40526	18592	18592	1	10.97	Si
5	0.153	6.03	0	1680	SLV 7	1680	5722	40526	18592	18592	1	11.07	Si
50	0.153	6.03	0	1545	SLV 7	1545	5722	40526	18592	18592	1	12.03	Si
95	0.153	6.03	0	1410	SLV 7	1410	5722	40526	18592	18592	1	13.19	Si
100	0.153	6.03	0	1395	SLV 7	1395	5722	40526	18592	18592	1	13.33	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1387	SLD 7	1387	5722	40526	18592	18592	1	13.4	Si
5	0.153	6.03	0	1372	SLD 7	1372	5722	40526	18592	18592	1	13.55	Si
50	0.153	6.03	0	1237	SLD 7	1237	5722	40526	18592	18592	1	15.02	Si
95	0.153	6.03	0	1102	SLD 7	1102	5722	40526	18592	18592	1	16.86	Si
100	0.153	6.03	0	1087	SLD 7	1087	5722	40526	18592	18592	1	17.1	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	22327	5	21775	2.2	184.3	33	3600	6390	1	6141	0.6	138.2			Si
5	28139	5	46894	4.7	184.3	71	3600	11485	1	27432	2.8	138.2			Si
50	83239	9	101659	10.3	184.3	154	3600	56632	2	71221	7.2	138.2			Si
95	134535	8	134535	13.6	184.3	203.8	3600	96462	2	96462	9.7	138.2			Si
100	139905	8	139282	14.1	184.3	211	3600	100517	2	100238	10.1	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.022	0.015	0.019	0.013	0.017	0.015	0.015	0.013	0.016	0.015	0.035	2	0.033	2	9999	Si
5	0.024	0.016	0.021	0.014	0.018	0.016	0.016	0.014	0.017	0.016	0.037	2	0.035	2	9999	Si
50	0.036	0.024	0.031	0.021	0.028	0.024	0.024	0.021	0.026	0.025	0.058	2	0.054	2	7768	Si
95	0.045	0.03	0.039	0.026	0.035	0.031	0.03	0.027	0.033	0.031	0.073	2	0.068	2	6147	Si
100	0.045	0.031	0.039	0.027	0.035	0.031	0.031	0.027	0.034	0.031	0.074	2	0.069	2	6045	Si

Campata 3 - , sezione R 30x40, asta 155

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	198251	SLU 47	197327	760524	0.161	3.85							Si
5	6.03	5.5	6.03	5.5	202134	SLU 47	213699	760524	0.161	3.56							Si
35	6.03	5.5	6.03	5.5	223391	SLU 47	233117	760524	0.161	3.26							Si
56	6.03	5.5	6.03	5.5	236182	SLU 47	243753	760524	0.161	3.12							Si
70	6.03	5.5	6.03	5.5	243753	SLU 47	243753	760524	0.161	3.12							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	143169	SLV 7	142983	724241	0.258	5.07							Si
5	6.03	5.5	6.03	5.5	145266	SLV 7	152584	724241	0.258	4.75							Si
35	6.03	5.5	6.03	5.5	161278	SLV 3	172697	724241	0.258	4.19							Si
56	6.03	5.5	6.03	5.5	176602	SLV 3	186963	724241	0.258	3.87							Si
70	6.03	5.5	6.03	5.5	186963	SLV 3	186963	724241	0.258	3.87							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	118973	SLD 7	118737	724241	0.258	6.1							Si
5	6.03	5.5	6.03	5.5	121249	SLD 7	128527	724241	0.258	5.63							Si
35	6.03	5.5	6.03	5.5	135792	SLD 3	144568	724241	0.258	5.01							Si
56	6.03	5.5	6.03	5.5	147495	SLD 3	155092	724241	0.258	4.67							Si
70	6.03	5.5	6.03	5.5	155092	SLD 3	155092	724241	0.258	4.67							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	983	SLU 49	983	5722	40526	18592	18592	1	18.91	Si
5	0.153	6.03	0	964	SLU 49	964	5722	40526	18592	18592	1	19.3	Si
35	0.153	6.03	0	847	SLU 49	847	5722	40526	18592	18592	1	21.96	Si
70	0.153	6.03	0	710	SLU 49	710	5722	40526	18592	18592	1	26.18	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1174	SLV 7	1174	5722	40526	18592	18592	1	15.84	Si
0	0.153	6.03	0	-11	SLV 9	-11	-5722	-40526	-18592	-18592	1	1736.58	Si
5	0.153	6.03	0	1159	SLV 7	1159	5722	40526	18592	18592	1	16.05	Si
5	0.153	6.03	0	-26	SLV 9	-26	-5722	-40526	-18592	-18592	1	723.26	Si
35	0.153	6.03	0	1069	SLV 7	1069	5722	40526	18592	18592	1	17.4	Si
35	0.153	6.03	0	-116	SLV 9	-116	-5722	-40526	-18592	-18592	1	160.68	Si
70	0.153	6.03	0	964	SLV 7	964	5722	40526	18592	18592	1	19.29	Si
70	0.153	6.03	0	-221	SLV 9	-221	-5722	-40526	-18592	-18592	1	84.24	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	866	SLD 7	866	5722	40526	18592	18592	1	21.46	Si
5	0.153	6.03	0	851	SLD 7	851	5722	40526	18592	18592	1	21.84	Si
35	0.153	6.03	0	761	SLD 7	761	5722	40526	18592	18592	1	24.42	Si
70	0.153	6.03	0	656	SLD 7	656	5722	40526	18592	18592	1	28.33	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	139904	8	139282	14.1	184.3	211	3600	100517	2	100238	10.1	138.2			Si
5	142715	8	151058	15.3	184.3	228.8	3600	103386	2	111913	11.3	138.2			Si
35	158009	8	164937	16.7	184.3	249.8	3600	119032	2	126144	12.7	138.2			Si
70	172438	8	172438	17.4	184.3	261.2	3600	133873	2	133873	13.5	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.045	0.031	0.039	0.027	0.035	0.031	0.031	0.027	0.034	0.031	0.074	2	0.069	2	6045	Si
5	0.046	0.031	0.04	0.027	0.036	0.032	0.031	0.027	0.034	0.032	0.075	2	0.07	2	5956	Si
35	0.048	0.033	0.042	0.028	0.038	0.033	0.033	0.029	0.036	0.034	0.079	2	0.074	2	5641	Si
47	0.048	0.033	0.042	0.028	0.038	0.033	0.033	0.029	0.036	0.034	0.08	2	0.074	2	5612	Si
70	0.047	0.032	0.041	0.028	0.037	0.033	0.032	0.028	0.036	0.033	0.078	2	0.073	2	5716	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	224836	SLU 47	224836	760524	0.161	3.38							Si
1	6.03	5.5	6.03	5.5	223988	SLU 47	224836	760524	0.161	3.38							Si
15	6.03	5.5	6.03	5.5	211702	SLU 47	224836	760524	0.161	3.38							Si
25	6.03	5.5	6.03	5.5	202458	SLU 47	216800	760524	0.161	3.51							Si
30	6.03	5.5	6.03	5.5	197690	SLU 47	197690	760524	0.161	3.85							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	171443	SLV 3	171443	724241	0.258	4.22							Si
1	6.03	5.5	6.03	5.5	170909	SLV 3	171443	724241	0.258	4.22							Si
15	6.03	5.5	6.03	5.5	163212	SLV 3	171443	724241	0.258	4.22							Si
25	6.03	5.5	6.03	5.5	157462	SLV 3	166398	724241	0.258	4.35							Si
30	6.03	5.5	6.03	5.5	154509	SLV 3	154509	724241	0.258	4.69							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	142368	SLD 3	142368	724241	0.258	5.09							Si
1	6.03	5.5	6.03	5.5	141900	SLD 3	142368	724241	0.258	5.09							Si
15	6.03	5.5	6.03	5.5	135078	SLD 3	142368	724241	0.258	5.09							Si
25	6.03	5.5	6.03	5.5	129906	SLD 3	137917	724241	0.258	5.25							Si
30	6.03	5.5	6.03	5.5	127227	SLD 3	127227	724241	0.258	5.69							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-857	SLU 48	-857	-5722	-40526	-18592	-18592	1	21.69	Si
15	0.153	6.03	0	-916	SLU 48	-916	-5722	-40526	-18592	-18592	1	20.31	Si
25	0.153	6.03	0	-955	SLU 48	-955	-5722	-40526	-18592	-18592	1	19.48	Si
30	0.153	6.03	0	-974	SLU 48	-974	-5722	-40526	-18592	-18592	1	19.09	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-702	SLV 7	-702	-5722	-40526	-18592	-18592	1	26.48	Si
15	0.153	6.03	0	-747	SLV 7	-747	-5722	-40526	-18592	-18592	1	24.89	Si
25	0.153	6.03	0	-777	SLV 7	-777	-5722	-40526	-18592	-18592	1	23.92	Si
30	0.153	6.03	0	-792	SLV 7	-792	-5722	-40526	-18592	-18592	1	23.47	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-561	SLD 7	-561	-5722	-40526	-18592	-18592	1	33.12	Si
15	0.153	6.03	0	-606	SLD 7	-606	-5722	-40526	-18592	-18592	1	30.66	Si
25	0.153	6.03	0	-636	SLD 7	-636	-5722	-40526	-18592	-18592	1	29.22	Si
30	0.153	6.03	0	-651	SLD 7	-651	-5722	-40526	-18592	-18592	1	28.54	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	158993	8	158993	16.1	184.3	240.8	3600	123010	2	123010	12.4	138.2			Si
15	149704	8	158993	16.1	184.3	240.8	3600	116137	2	123010	12.4	138.2			Si
25	143137	8	153316	15.5	184.3	232.2	3600	111179	2	118830	12	138.2			Si
30	139741	8	139741	14.1	184.3	211.7	3600	108588	2	108588	11	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.047	0.032	0.041	0.028	0.037	0.033	0.032	0.028	0.036	0.033	0.078	2	0.073	2	5716	Si
15	0.046	0.031	0.039	0.027	0.036	0.032	0.031	0.027	0.035	0.032	0.076	2	0.07	2	5907	Si
25	0.044	0.03	0.038	0.026	0.035	0.031	0.03	0.026	0.034	0.031	0.074	2	0.068	2	6094	Si
30	0.043	0.03	0.037	0.026	0.035	0.03	0.03	0.026	0.033	0.031	0.072	2	0.067	2	6208	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	189458	SLU 47	184780	760524	0.161	4.12							Si
5	6.03	5.5	6.03	5.5	180053	SLU 47	180053	760524	0.161	4.22							Si
50	6.03	5.5	6.03	5.5	91618	SLU 51	123182	760524	0.161	6.17							Si
95	6.03	5.5	6.03	5.5	10035	SLU 23	39631	760524	0.161	19.19	-13464	SLU 31	-13464	-760524	0.161	56.49	Si
100	6.03	5.5	6.03	5.5	1611	SLU 10	1611	760524	0.161	472.07	-21958	SLU 44	-17610	-760524	0.161	43.19	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	153347	SLV 3	150012	724241	0.258	4.83							Si
5	6.03	5.5	6.03	5.5	146149	SLV 3	146149	724241	0.258	4.96							Si
50	6.03	5.5	6.03	5.5	89467	SLV 7	108964	724241	0.258	6.65	12537	SLV 9	-8484	-724241	0.258	85.37	Si
95	6.03	5.5	6.03	5.5	52373	SLV 7	68658	724241	0.258	10.55	-46425	SLV 9	-46425	-724241	0.258	15.6	Si
100	6.03	5.5	6.03	5.5	47101	SLV 7	47101	724241	0.258	15.38	-53276	SLV 9	-48680	-724241	0.258	14.88	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	124956	SLD 3	122185	724241	0.258	5.93							Si
5	6.03	5.5	6.03	5.5	119206	SLD 7	119206	724241	0.258	6.08							Si
50	6.03	5.5	6.03	5.5	67594	SLD 7	86009	724241	0.258	8.42							Si
95	6.03	5.5	6.03	5.5	25102	SLD 7	42482	724241	0.258	17.05	-19154	SLD 9	-19154	-724241	0.258	37.81	Si
100	6.03	5.5	6.03	5.5	19439	SLD 7	19439	724241	0.258	37.26	-25614	SLD 9	-21837	-724241	0.258	33.17	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-1876	SLU 48	-1876	-5722	-40526	-18592	-18592	1	9.91	Si
5	0.153	6.03	0	-1896	SLU 48	-1896	-5722	-40526	-18592	-18592	1	9.81	Si
50	0.153	6.03	0	-2071	SLU 48	-2071	-5722	-40526	-18592	-18592	1	8.98	Si
95	0.153	6.03	0	-2207	SLU 48	-2207	-5722	-40526	-18592	-18592	1	8.42	Si
100	0.153	6.03	0	-2227	SLU 48	-2227	-5722	-40526	-18592	-18592	1	8.35	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-1530	SLV 3	-1530	-5722	-40526	-18592	-18592	1	12.15	Si
5	0.153	6.03	0	-1545	SLV 3	-1545	-5722	-40526	-18592	-18592	1	12.03	Si
50	0.153	6.03	0	-1680	SLV 3	-1680	-5722	-40526	-18592	-18592	1	11.06	Si
95	0.153	6.03	0	-1507	SLV 7	-1507	-5722	-40526	-18592	-18592	1	12.34	Si
100	0.153	6.03	0	-1522	SLV 7	-1522	-5722	-40526	-18592	-18592	1	12.21	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-1220	SLD 3	-1220	-5722	-40526	-18592	-18592	1	15.24	Si
5	0.153	6.03	0	-1235	SLD 3	-1235	-5722	-40526	-18592	-18592	1	15.05	Si
50	0.153	6.03	0	-1370	SLD 3	-1370	-5722	-40526	-18592	-18592	1	13.57	Si
95	0.153	6.03	0	-1337	SLD 7	-1337	-5722	-40526	-18592	-18592	1	13.91	Si
100	0.153	6.03	0	-1352	SLD 7	-1352	-5722	-40526	-18592	-18592	1	13.76	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	133980	8	130691	13.2	184.3	198	3600	105446	2	102911	10.4	138.2			Si
5	127365	8	127365	12.9	184.3	192.9	3600	100339	2	100339	10.1	138.2			Si
50	64852	12	87227	8.8	184.3	132.1	3600	51002	2	68907	7	138.2			Si
95	6554	10	27819	2.8	184.3	42.1	3600	2974	2	21521	2.2	138.2			Si
95	-8169	5	-8169	0.8	184.3	12.4	3600								Si
100	-15176	5	-11654	1.2	184.3	17.7	3600	-4251	1	-1387	0.1	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.043	0.03	0.037	0.026	0.035	0.03	0.03	0.026	0.033	0.031	0.072	2	0.067	2	6208	Si
5	0.042	0.029	0.037	0.025	0.034	0.03	0.029	0.025	0.032	0.03	0.071	2	0.066	2	6336	Si
50	0.032	0.022	0.027	0.019	0.026	0.022	0.022	0.019	0.025	0.023	0.053	2	0.049	2	8408	Si
95	0.019	0.013	0.016	0.011	0.015	0.013	0.013	0.011	0.015	0.014	0.031	2	0.029	2	9999	Si
100	0.017	0.012	0.014	0.01	0.014	0.012	0.012	0.01	0.014	0.012	0.029	2	0.026	2	9999	Si

Campata 6 , sezione R 30x40, asta 159

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	41972	SLU 49	30120	760524	0.161	25.25	-4131	SLU 5	-4131	-760524	0.161	184.09	Si
5	6.03	5.5	6.03	5.5	18244	SLU 23	18244	760524	0.161	41.69	-21616	SLU 31	-96198	-760524	0.161	7.91	Si
31	6.03	5.5	6.03	5.5							-155853	SLU 48	-243456	-760524	0.161	3.12	Si
48	6.03	5.5	6.03	5.5							-247915	SLU 48	-247915	-760524	0.161	3.07	Si
63	6.03	5.5	6.03	5.5							-332527	SLU 48	-290002	-760524	0.161	2.62	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	97266	SLV 3	87121	724241	0.258	8.31	-55177	SLV 13	-55177	-724241	0.258	13.13	Si
5	6.03	5.5	6.03	5.5	73915	SLV 3	73915	724241	0.258	9.8	-61025	SLV 13	-102307	-724241	0.258	7.08	Si
31	6.03	5.5	6.03	5.5	-4932	SLV 11	37138	724241	0.258	19.5	-139414	SLV 5	-203953	-724241	0.258	3.55	Si
48	6.03	5.5	6.03	5.5							-207411	SLV 7	-207411	-724241	0.258	3.49	Si
63	6.03	5.5	6.03	5.5							-274788	SLV 7	-243696	-724241	0.258	2.97	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	52364	SLD 3	44596	724241	0.258	16.24	-10275	SLD 13	-10275	-724241	0.258	70.48	Si
5	6.03	5.5	6.03	5.5	35453	SLD 7	35453	724241	0.258	20.43	-22563	SLD 9	-68714	-724241	0.258	10.54	Si
31	6.03	5.5	6.03	5.5	-40732	SLD 11	3096	724241	0.258	233.95	-103614	SLD 5	-158408	-724241	0.258	4.57	Si
48	6.03	5.5	6.03	5.5							-161263	SLD 7	-161263	-724241	0.258	4.49	Si
63	6.03	5.5	6.03	5.5							-216168	SLD 7	-189658	-724241	0.258	3.82	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-5424	SLU 48	-5424	-5722	-40526	-18592	-18592	1	3.43	Si
5	0.153	6.03	0	-5444	SLU 48	-5444	-5722	-40526	-18592	-18592	1	3.42	Si
31	0.153	6.03	0	-5547	SLU 48	-5547	-5722	-40526	-18592	-18592	1	3.35	Si
48	0.153	6.03	0	-5612	SLU 48	-5612	-5722	-40526	-18592	-18592	1	3.31	Si
63	0.153	6.03	0	-5670	SLU 48	-5670	-5722	-40526	-18592	-18592	1	3.28	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-5267	SLV 3	-5267	-5722	-40526	-18592	-18592	1	3.53	Si
5	0.153	6.03	0	-5282	SLV 3	-5282	-5722	-40526	-18592	-18592	1	3.52	Si
31	0.153	6.03	0	-5362	SLV 3	-5362	-5722	-40526	-18592	-18592	1	3.47	Si
48	0.153	6.03	0	-5411	SLV 3	-5411	-5722	-40526	-18592	-18592	1	3.44	Si
63	0.153	6.03	0	-5456	SLV 3	-5456	-5722	-40526	-18592	-18592	1	3.41	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-3854	SLD 3	-3854	-5722	-40526	-18592	-18592	1	4.82	Si
5	0.153	6.03	0	-3869	SLD 3	-3869	-5722	-40526	-18592	-18592	1	4.81	Si
31	0.153	6.03	0	-3949	SLD 3	-3949	-5722	-40526	-18592	-18592	1	4.71	Si
48	0.153	6.03	0	-3998	SLD 3	-3998	-5722	-40526	-18592	-18592	1	4.65	Si
63	0.153	6.03	0	-4043	SLD 3	-4043	-5722	-40526	-18592	-18592	1	4.6	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	29078	10	20626	2.1	184.3	31.2	3600	21044	2	13763	1.4	138.2			Si
5	12138	10	12138	1.2	184.3	18.4	3600	6445	2	6445	0.7	138.2			Si
5	-12517	5	-67680	6.8	184.3	102.5	3600								Si
31	-109938	9	-172045	17.4	184.3	260.6	3600	-72173	2	-119762	12.1	138.2			Si
48	-175208	9	-175208	17.7	184.3	265.4	3600	-122190	2	-122190	12.3	138.2			Si
63	-235251	9	-205061	20.7	184.3	310.6	3600	-168367	2	-145110	14.7	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.017	0.012	0.014	0.01	0.014	0.012	0.012	0.01	0.014	0.012	0.029	2	0.026	2	9999	Si
5	0.016	0.011	0.013	0.009	0.013	0.011	0.011	0.009	0.012	0.011	0.026	2	0.024	2	9999	Si
31	0.008	0.005	0.006	0.004	0.006	0.005	0.005	0.004	0.006	0.006	0.013	2	0.012	2	9999	Si
48	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.005	2	9999	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-413120	SLU 48	-348500	-760524	0.161	2.18	Si
15	6.03	5.5	6.03	5.5							-284318	SLU 48	-284318	-760524	0.161	2.67	Si
19	6.03	5.5	6.03	5.5							-254390	SLU 48	-284318	-760524	0.161	2.67	Si
32	6.03	5.5	6.03	5.5							-139401	SLU 48	-273239	-760524	0.161	2.78	Si
37	6.03	5.5	6.03	5.5							-96993	SLU 48	-96993	-760524	0.161	7.84	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-398824	SLV 5	-351651	-724241	0.258	2.06	Si
15	6.03	5.5	6.03	5.5	-6111	SLV 11	49951	724241	0.258	14.5	-288458	SLV 5	-288458	-724241	0.258	2.51	Si
19	6.03	5.5	6.03	5.5	3833	SLV 7	56007	724241	0.258	12.93	-264762	SLV 9	-288458	-724241	0.258	2.51	Si
32	6.03	5.5	6.03	5.5	56007	SLV 7	56007	724241	0.258	12.93	-187877	SLV 9	-272976	-724241	0.258	2.65	Si
37	6.03	5.5	6.03	5.5	81116	SLV 7	65271	724241	0.258	11.1	-165463	SLV 9	-165463	-724241	0.258	4.38	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-295535	SLD 5	-254534	-724241	0.258	2.85	Si
15	6.03	5.5	6.03	5.5							-207501	SLD 5	-207501	-724241	0.258	3.49	Si
19	6.03	5.5	6.03	5.5							-187795	SLD 9	-207501	-724241	0.258	3.49	Si
32	6.03	5.5	6.03	5.5							-117306	SLD 9	-196688	-724241	0.258	3.68	Si
37	6.03	5.5	6.03	5.5	9249	SLD 7	3774	724241	0.258	191.92	-93596	SLD 9	-93596	-724241	0.258	7.74	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	8616	SLU 48	8616	5722	40526	18592	18592	1	2.16	Si
15	0.153	6.03	0	8558	SLU 48	8558	5722	40526	18592	18592	1	2.17	Si
19	0.153	6.03	0	8544	SLU 48	8544	5722	40526	18592	18592	1	2.18	Si
32	0.153	6.03	0	8491	SLU 48	8491	5722	40526	18592	18592	1	2.19	Si
37	0.153	6.03	0	8472	SLU 48	8472	5722	40526	18592	18592	1	2.19	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	9824	SLV 1	9824	5722	40526	18592	18592	1	1.89	Si
0	0.153	6.03	0	-112	SLV 15	-112	-5722	-40526	-18592	-18592	1	165.87	Si
15	0.153	6.03	0	9779	SLV 1	9779	5722	40526	18592	18592	1	1.9	Si
15	0.153	6.03	0	-157	SLV 15	-157	-5722	-40526	-18592	-18592	1	118.36	Si
19	0.153	6.03	0	9768	SLV 1	9768	5722	40526	18592	18592	1	1.9	Si
19	0.153	6.03	0	-168	SLV 15	-168	-5722	-40526	-18592	-18592	1	110.94	Si
32	0.153	6.03	0	9728	SLV 1	9728	5722	40526	18592	18592	1	1.91	Si
32	0.153	6.03	0	-208	SLV 15	-208	-5722	-40526	-18592	-18592	1	89.35	Si
37	0.153	6.03	0	9713	SLV 1	9713	5722	40526	18592	18592	1	1.91	Si
37	0.153	6.03	0	-223	SLV 15	-223	-5722	-40526	-18592	-18592	1	83.34	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	6835	SLD 1	6835	5722	40526	18592	18592	1	2.72	Si
15	0.153	6.03	0	6790	SLD 1	6790	5722	40526	18592	18592	1	2.74	Si
19	0.153	6.03	0	6780	SLD 1	6780	5722	40526	18592	18592	1	2.74	Si
32	0.153	6.03	0	6739	SLD 1	6739	5722	40526	18592	18592	1	2.76	Si
37	0.153	6.03	0	6724	SLD 1	6724	5722	40526	18592	18592	1	2.76	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-292916	9	-246987	24.9	184.3	374.1	3600	-219783	2	-183365	18.5	138.2			Si
15	-201395	9	-201395	20.3	184.3	305.1	3600	-147285	2	-147285	14.9	138.2			Si
19	-180137	9	-201395	20.3	184.3	305.1	3600	-130465	2	-147285	14.9	138.2			Si
32	-98486	9	-193525	19.5	184.3	293.2	3600	-65935	2	-141057	14.2	138.2			Si
37	-68384	9	-68384	6.9	184.3	103.6	3600	-42173	2	-42173	4.3	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9999	Si
19	0.001	0	0	0	0.001	0	0	0	0.001	0.001	0	2	0	2	9999	Si
32	0.002	0.001	0.001	0	0.002	0.001	0.001	0.001	0.002	0.001	0.002	2	0.002	2	9999	Si
37	0.003	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.002	2	9999	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-148089	SLU 48	-140020	-760524	0.161	5.43	Si
5	6.03	5.5	6.03	5.5							-131999	SLU 48	-131999	-760524	0.161	5.76	Si
50	6.03	5.5	6.03	5.5	13478	SLU 51	40730	760524	0.161	18.67	1882	SLU 2	-39686	-760524	0.161	19.16	Si
95	6.03	5.5	6.03	5.5	89156	SLU 47	89156	760524	0.161	8.53							Si
100	6.03	5.5	6.03	5.5	97086	SLU 47	93145	760524	0.161	8.16							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	27584	SLV 7	27584	724241	0.258	26.26	-178512	SLV 9	-171293	-724241	0.258	4.23	Si
5	6.03	5.5	6.03	5.5	32059	SLV 7	46006	724241	0.258	15.74	-165673	SLV 9	-165673	-724241	0.258	4.37	Si
50	6.03	5.5	6.03	5.5	62602	SLV 7	69517	724241	0.258	10.42	-47533	SLV 9	-93337	-724241	0.258	7.76	Si
95	6.03	5.5	6.03	5.5	76792	SLV 7	76792	724241	0.258	9.43	16445	SLV 9	-4864	-724241	0.258	148.91	Si
100	6.03	5.5	6.03	5.5	78249	SLV 7	77748	724241	0.258	9.32							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-119222	SLD 9	-113633	-724241	0.258	6.37	Si
5	6.03	5.5	6.03	5.5							-108742	SLD 9	-108742	-724241	0.258	6.66	Si
50	6.03	5.5	6.03	5.5	30497	SLD 7	40905	724241	0.258	17.71	-15427	SLD 9	-49356	-724241	0.258	14.67	Si
95	6.03	5.5	6.03	5.5	58731	SLD 7	58731	724241	0.258	12.33							Si
100	6.03	5.5	6.03	5.5	61620	SLD 7	60276	724241	0.258	12.02							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	3228	SLU 48	3228	5722	40526	18592	18592	1	5.76	Si
5	0.153	6.03	0	3208	SLU 48	3208	5722	40526	18592	18592	1	5.79	Si
50	0.153	6.03	0	1785	SLU 48	1785	5722	40526	18592	18592	1	10.41	Si
95	0.153	6.03	0	1610	SLU 48	1610	5722	40526	18592	18592	1	11.55	Si
100	0.153	6.03	0	1590	SLU 48	1590	5722	40526	18592	18592	1	11.69	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	2664	SLV 5	2664	5722	40526	18592	18592	1	6.98	Si
5	0.153	6.03	0	2649	SLV 5	2649	5722	40526	18592	18592	1	7.02	Si
50	0.153	6.03	0	1536	SLV 5	1536	5722	40526	18592	18592	1	12.1	Si
95	0.153	6.03	0	1401	SLV 5	1401	5722	40526	18592	18592	1	13.27	Si
100	0.153	6.03	0	1386	SLV 5	1386	5722	40526	18592	18592	1	13.41	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	2137	SLD 5	2137	5722	40526	18592	18592	1	8.7	Si
5	0.153	6.03	0	2122	SLD 5	2122	5722	40526	18592	18592	1	8.76	Si
50	0.153	6.03	0	1198	SLD 5	1198	5722	40526	18592	18592	1	15.51	Si
95	0.153	6.03	0	1063	SLD 5	1063	5722	40526	18592	18592	1	17.48	Si
100	0.153	6.03	0	1048	SLD 5	1048	5722	40526	18592	18592	1	17.73	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-104816	9	-99078	10	184.3	150.1	3600	-75464	2	-71117	7.2	138.2			Si
5	-93376	9	-93376	9.4	184.3	141.4	3600	-66807	2	-66807	6.7	138.2			Si
50	9682	12	29003	2.9	184.3	43.9	3600	7535	2	21862	2.2	138.2			Si
95	63172	8	63172	6.4	184.3	95.7	3600	46618	2	46618	4.7	138.2			Si
100	68747	8	65978	6.7	184.3	99.9	3600	50586	2	48621	4.9	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.003	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.003	2	0.002	2	9999	Si
5	0.003	0.002	0.002	0.001	0.003	0.002	0.001	0.001	0.002	0.002	0.003	2	0.003	2	9999	Si
50	0.009	0.006	0.007	0.004	0.007	0.006	0.005	0.005	0.007	0.006	0.013	2	0.012	2	9999	Si
95	0.015	0.01	0.011	0.008	0.012	0.01	0.009	0.008	0.011	0.01	0.022	2	0.021	2	9999	Si
100	0.015	0.01	0.012	0.008	0.012	0.01	0.009	0.008	0.011	0.011	0.023	2	0.021	2	9999	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	108000	SLU 47	108000	760524	0.161	7.04							Si
5	6.03	5.5	6.03	5.5	111205	SLU 47	120632	760524	0.161	6.3							Si
50	6.03	5.5	6.03	5.5	144941	SLU 47	144941	760524	0.161	5.25							Si
53	6.03	5.5	6.03	5.5	143922	SLU 47	144941	760524	0.161	5.25							Si
95	6.03	5.5	6.03	5.5	127773	SLU 48	134510	760524	0.161	5.65							Si
100	6.03	5.5	6.03	5.5	125425	SLU 48	125425	760524	0.161	6.06							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	74809	SLV 7	74809	724241	0.258	9.68							Si
5	6.03	5.5	6.03	5.5	74404	SLV 7	74941	724241	0.258	9.66							Si
50	6.03	5.5	6.03	5.5	102666	SLV 5	108594	724241	0.258	6.67							Si
95	6.03	5.5	6.03	5.5	118426	SLV 9	118426	724241	0.258	6.12							Si
100	6.03	5.5	6.03	5.5	119893	SLV 9	119218	724241	0.258	6.07							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	63895	SLD 7	63895	724241	0.258	11.33							Si
5	6.03	5.5	6.03	5.5	64803	SLD 7	68482	724241	0.258	10.58							Si
50	6.03	5.5	6.03	5.5	89078	SLD 5	90052	724241	0.258	8.04							Si
70	6.03	5.5	6.03	5.5	90218	SLD 5	90408	724241	0.258	8.01							Si
95	6.03	5.5	6.03	5.5	90171	SLD 9	90408	724241	0.258	8.01							Si
100	6.03	5.5	6.03	5.5	89950	SLD 9	89950	724241	0.258	8.05							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	664	SLU 48	664	5722	40526	18592	18592	1	27.99	Si
5	0.153	6.03	0	645	SLU 48	645	5722	40526	18592	18592	1	28.84	Si
50	0.153	6.03	0	-306	SLU 51	-306	-5722	-40526	-18592	-18592	1	60.69	Si
95	0.153	6.03	0	-482	SLU 51	-482	-5722	-40526	-18592	-18592	1	38.59	Si
100	0.153	6.03	0	-501	SLU 51	-501	-5722	-40526	-18592	-18592	1	37.09	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	946	SLV 9	946	5722	40526	18592	18592	1	19.66	Si
0	0.153	6.03	0	-212	SLV 7	-212	-5722	-40526	-18592	-18592	1	87.76	Si
5	0.153	6.03	0	931	SLV 9	931	5722	40526	18592	18592	1	19.97	Si
5	0.153	6.03	0	-227	SLV 7	-227	-5722	-40526	-18592	-18592	1	81.96	Si
50	0.153	6.03	0	452	SLV 9	452	5722	40526	18592	18592	1	41.16	Si
50	0.153	6.03	0	-786	SLV 7	-786	-5722	-40526	-18592	-18592	1	23.67	Si
95	0.153	6.03	0	317	SLV 9	317	5722	40526	18592	18592	1	58.71	Si
95	0.153	6.03	0	-921	SLV 7	-921	-5722	-40526	-18592	-18592	1	20.19	Si
100	0.153	6.03	0	302	SLV 9	302	5722	40526	18592	18592	1	61.63	Si
100	0.153	6.03	0	-936	SLV 7	-936	-5722	-40526	-18592	-18592	1	19.87	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	621	SLD 9	621	5722	40526	18592	18592	1	29.92	Si
5	0.153	6.03	0	606	SLD 9	606	5722	40526	18592	18592	1	30.66	Si
50	0.153	6.03	0	104	SLD 9	104	5722	40526	18592	18592	1	178.13	Si
50	0.153	6.03	0	-438	SLD 7	-438	-5722	-40526	-18592	-18592	1	42.41	Si
95	0.153	6.03	0	-573	SLD 7	-573	-5722	-40526	-18592	-18592	1	32.43	Si
100	0.153	6.03	0	-588	SLD 7	-588	-5722	-40526	-18592	-18592	1	31.6	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	76611	8	76611	7.7	184.3	116.1	3600	56745	2	56745	5.7	138.2			Si
5	78904	8	85614	8.6	184.3	129.7	3600	58542	2	63698	6.4	138.2			Si
50	102894	8	102894	10.4	184.3	155.9	3600	77238	2	77238	7.8	138.2			Si
95	90521	9	95427	9.6	184.3	144.6	3600	66686	2	71056	7.2	138.2			Si
100	88803	9	88803	9	184.3	134.5	3600	65139	2	65139	6.6	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.015	0.01	0.012	0.008	0.012	0.01	0.009	0.008	0.011	0.011	0.023	2	0.021	2	9999	Si
5	0.016	0.011	0.012	0.008	0.012	0.011	0.01	0.009	0.012	0.011	0.024	2	0.022	2	9999	Si
50	0.018	0.012	0.014	0.01	0.014	0.012	0.011	0.01	0.013	0.013	0.027	2	0.026	2	9999	Si
57	0.018	0.012	0.014	0.01	0.014	0.012	0.011	0.01	0.013	0.013	0.027	2	0.026	2	9999	Si
95	0.016	0.011	0.013	0.009	0.013	0.011	0.01	0.009	0.012	0.011	0.025	2	0.023	2	9999	Si
100	0.016	0.011	0.013	0.009	0.012	0.011	0.01	0.009	0.012	0.011	0.024	2	0.023	2	9999	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	135821	SLU 48	132692	760524	0.161	5.73							Si
5	6.03	5.5	6.03	5.5	129515	SLU 48	129515	760524	0.161	5.87							Si
49	6.03	5.5	6.03	5.5	69833	SLU 48	125034	760524	0.161	6.08							Si
83	6.03	5.5	6.03	5.5	-8000	SLU 2	71396	760524	0.161	10.65	-34697	SLU 47	-34697	-760524	0.161	21.92	Si
98	6.03	5.5	6.03	5.5							-130657	SLU 47	-82458	-760524	0.161	9.22	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	132456	SLV 5	132456	724241	0.258	5.47							Si
5	6.03	5.5	6.03	5.5	133879	SLV 5	137875	724241	0.258	5.25	4253	SLV 11	-20672	-724241	0.258	35.04	Si
49	6.03	5.5	6.03	5.5	143247	SLV 5	216465	724241	0.258	3.35	-67463	SLV 11	-88087	-724241	0.258	8.22	Si
83	6.03	5.5	6.03	5.5	143857	SLV 9	181194	724241	0.258	4	-176390	SLV 7	-176390	-724241	0.258	4.11	Si
98	6.03	5.5	6.03	5.5	122265	SLV 9	122265	724241	0.258	5.92	-265500	SLV 7	-230507	-724241	0.258	3.14	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	99158	SLD 5	98592	724241	0.258	7.35							Si
5	6.03	5.5	6.03	5.5	97997	SLD 5	97997	724241	0.258	7.39							Si
46	6.03	5.5	6.03	5.5	85780	SLD 5	131201	724241	0.258	5.52	-4971	SLD 11	-16569	-724241	0.258	43.71	Si
49	6.03	5.5	6.03	5.5	84587	SLD 5	131201	724241	0.258	5.52	-8804	SLD 11	-16569	-724241	0.258	43.71	Si
83	6.03	5.5	6.03	5.5	54309	SLD 9	102011	724241	0.258	7.1	-86841	SLD 7	-86841	-724241	0.258	8.34	Si
98	6.03	5.5	6.03	5.5	13330	SLD 9	13330	724241	0.258	54.33	-156566	SLD 7	-125212	-724241	0.258	5.78	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-1273	SLU 47	-1273	-5722	-40526	-18592	-18592	1	14.6	Si
5	0.153	6.03	0	-1293	SLU 47	-1293	-5722	-40526	-18592	-18592	1	14.38	Si
49	0.153	6.03	0	-1464	SLU 47	-1464	-5722	-40526	-18592	-18592	1	12.7	Si
83	0.153	6.03	0	-6458	SLU 51	-6458	-5722	-40526	-18592	-18592	1	2.88	Si
98	0.153	6.03	0	-6516	SLU 51	-6516	-5722	-40526	-18592	-18592	1	2.85	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	296	SLV 5	296	5722	40526	18592	18592	1	62.82	Si
0	0.153	6.03	0	-1551	SLV 11	-1551	-5722	-40526	-18592	-18592	1	11.99	Si
5	0.153	6.03	0	281	SLV 5	281	5722	40526	18592	18592	1	66.17	Si
5	0.153	6.03	0	-1566	SLV 11	-1566	-5722	-40526	-18592	-18592	1	11.87	Si
49	0.153	6.03	0	149	SLV 5	149	5722	40526	18592	18592	1	124.8	Si
49	0.153	6.03	0	-1698	SLV 11	-1698	-5722	-40526	-18592	-18592	1	10.95	Si
83	0.153	6.03	0	478	SLV 13	478	5722	40526	18592	18592	1	38.88	Si
83	0.153	6.03	0	-7813	SLV 3	-7813	-5722	-40526	-18592	-18592	1	2.38	Si
98	0.153	6.03	0	433	SLV 13	433	5722	40526	18592	18592	1	42.92	Si
98	0.153	6.03	0	-7858	SLV 3	-7858	-5722	-40526	-18592	-18592	1	2.37	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-1032	SLD 11	-1032	-5722	-40526	-18592	-18592	1	18.01	Si
5	0.153	6.03	0	-1047	SLD 11	-1047	-5722	-40526	-18592	-18592	1	17.75	Si
49	0.153	6.03	0	-1179	SLD 11	-1179	-5722	-40526	-18592	-18592	1	15.77	Si
83	0.153	6.03	0	-5318	SLD 3	-5318	-5722	-40526	-18592	-18592	1	3.5	Si
98	0.153	6.03	0	-5363	SLD 3	-5363	-5722	-40526	-18592	-18592	1	3.47	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	96328	9	94121	9.5	184.3	142.6	3600	72242	2	70672	7.1	138.2			Si
5	91878	9	91878	9.3	184.3	139.2	3600	69066	2	69066	7	138.2			Si
49	49498	9	88387	8.9	184.3	133.9	3600	37892	2	71611	7.2	138.2			Si
83	-24443	8	-24443	2.5	184.3	37	3600	-16266	2	-16266	1.6	138.2			Si
98	-92466	8	-58286	5.9	184.3	88.3	3600	-71618	2	-43773	4.4	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.016	0.011	0.013	0.009	0.012	0.011	0.01	0.009	0.012	0.011	0.024	2	0.023	2	9999	Si
5	0.015	0.011	0.012	0.009	0.012	0.011	0.01	0.009	0.012	0.011	0.024	2	0.022	2	9999	Si
49	0.009	0.007	0.007	0.005	0.007	0.007	0.006	0.005	0.007	0.007	0.014	2	0.013	2	9999	Si
83	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	2	0.004	2	9999	Si

Trave 30x40 sx

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x40	Rettangolare	30	40	3.5	3.5	3.5

Output campate

Campata 1 , sezione R 30x40, asta 43

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-343409	SLU 51	-315024	-760524	0.161	2.41	Si
15	6.03	5.5	6.03	5.5							-287074	SLU 51	-287074	-760524	0.161	2.65	Si
43	6.03	5.5	6.03	5.5							-186062	SLU 51	-243390	-760524	0.161	3.12	Si
80	6.03	5.5	6.03	5.5							-60933	SLU 49	-110564	-760524	0.161	6.88	Si
85	6.03	5.5	6.03	5.5	2346	SLU 5	1683	760524	0.161	451.99	-45331	SLU 49	-45331	-760524	0.161	16.78	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-321050	SLV 9	-304335	-724241	0.258	2.38	Si
15	6.03	5.5	6.03	5.5							-287166	SLV 9	-287166	-724241	0.258	2.52	Si
43	6.03	5.5	6.03	5.5	16558	SLV 7	45010	724241	0.258	16.09	-226891	SLV 9	-261021	-724241	0.258	2.77	Si
80	6.03	5.5	6.03	5.5	83353	SLV 11	83353	724241	0.258	8.69	-148584	SLV 5	-180834	-724241	0.258	4.01	Si
85	6.03	5.5	6.03	5.5	91963	SLV 11	91685	724241	0.258	7.9	-138481	SLV 5	-138481	-724241	0.258	5.23	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-245285	SLD 9	-229045	-724241	0.258	3.16	Si
15	6.03	5.5	6.03	5.5							-212797	SLD 9	-212797	-724241	0.258	3.4	Si
43	6.03	5.5	6.03	5.5							-155027	SLD 9	-187735	-724241	0.258	3.86	Si
80	6.03	5.5	6.03	5.5	14789	SLD 11	14789	724241	0.258	48.97	-80021	SLD 5	-110906	-724241	0.258	6.53	Si
85	6.03	5.5	6.03	5.5	23829	SLD 11	23550	724241	0.258	30.75	-70346	SLD 5	-70346	-724241	0.258	10.3	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	3906	SLU 47	3906	5722	40526	18592	18592	1	4.76	Si
15	0.153	6.03	0	3847	SLU 47	3847	5722	40526	18592	18592	1	4.83	Si
43	0.153	6.03	0	3740	SLU 47	3740	5722	40526	18592	18592	1	4.97	Si
80	0.153	6.03	0	3594	SLU 47	3594	5722	40526	18592	18592	1	5.17	Si
85	0.153	6.03	0	3574	SLU 47	3574	5722	40526	18592	18592	1	5.2	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	2334	SLV 9	2334	5722	40526	18592	18592	1	7.97	Si
15	0.153	6.03	0	2289	SLV 9	2289	5722	40526	18592	18592	1	8.12	Si
43	0.153	6.03	0	2207	SLV 9	2207	5722	40526	18592	18592	1	8.43	Si
80	0.153	6.03	0	2094	SLV 9	2094	5722	40526	18592	18592	1	8.88	Si
85	0.153	6.03	0	2079	SLV 9	2079	5722	40526	18592	18592	1	8.94	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	2211	SLD 9	2211	5722	40526	18592	18592	1	8.41	Si
15	0.153	6.03	0	2166	SLD 9	2166	5722	40526	18592	18592	1	8.58	Si
43	0.153	6.03	0	2084	SLD 9	2084	5722	40526	18592	18592	1	8.92	Si
80	0.153	6.03	0	1971	SLD 9	1971	5722	40526	18592	18592	1	9.43	Si
85	0.153	6.03	0	1956	SLD 9	1956	5722	40526	18592	18592	1	9.5	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-243681	12	-223477	22.6	184.3	338.5	3600	-192493	2	-176607	17.8	138.2			Si
15	-203608	12	-203608	20.6	184.3	308.4	3600	-161056	2	-161056	16.3	138.2			Si
43	-131888	12	-172571	17.4	184.3	261.4	3600	-105167	2	-136808	13.8	138.2			Si
80	-42984	10	-78300	7.9	184.3	118.6	3600	-32616	2	-62488	6.3	138.2			Si
85	-31894	10	-31894	3.2	184.3	48.3	3600	-23259	2	-23259	2.3	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.005	2	0.005	2	9999	Si
43	0.012	0.008	0.01	0.007	0.009	0.008	0.008	0.007	0.008	0.008	0.018	2	0.017	2	9999	Si
80	0.026	0.018	0.023	0.015	0.02	0.018	0.017	0.015	0.019	0.018	0.042	2	0.039	2	9999	Si
85	0.028	0.019	0.024	0.017	0.022	0.019	0.019	0.017	0.021	0.019	0.045	2	0.042	2	9901	Si

Campata 2 , sezione R 30x40, asta 44

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	2346	SLU 5	1683	760524	0.161	451.99	-45331	SLU 49	-45331	-760524	0.161	16.78	Si
5	6.03	5.5	6.03	5.5	10893	SLU 5	42203	760524	0.161	18.02	-31883	SLU 49	-31883	-760524	0.161	23.85	Si
50	6.03	5.5	6.03	5.5	116821	SLU 48	157554	760524	0.161	4.83							Si
95	6.03	5.5	6.03	5.5	231354	SLU 47	231354	760524	0.161	3.29							Si
100	6.03	5.5	6.03	5.5	243647	SLU 47	242723	760524	0.161	3.13							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	91961	SLV 11	91685	724241	0.258	7.9	-138479	SLV 5	-138479	-724241	0.258	5.23	Si
5	6.03	5.5	6.03	5.5	99390	SLV 11	122284	724241	0.258	5.92	-129568	SLV 5	-129568	-724241	0.258	5.59	Si
50	6.03	5.5	6.03	5.5	163156	SLV 11	184086	724241	0.258	3.93	-52944	SLV 5	-78947	-724241	0.258	9.17	Si
95	6.03	5.5	6.03	5.5	221317	SLV 11	221317	724241	0.258	3.27	17120	SLV 5	-6585	-724241	0.258	109.98	Si
100	6.03	5.5	6.03	5.5	227440	SLV 11	227164	724241	0.258	3.19							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	23828	SLD 11	23550	724241	0.258	30.75	-70346	SLD 5	-70346	-724241	0.258	10.3	Si
5	6.03	5.5	6.03	5.5	31683	SLD 11	55899	724241	0.258	12.96	-61862	SLD 5	-61862	-724241	0.258	11.71	Si
50	6.03	5.5	6.03	5.5	99164	SLD 11	121334	724241	0.258	5.97	11048	SLD 5	-13684	-724241	0.258	52.93	Si
95	6.03	5.5	6.03	5.5	160796	SLD 11	160796	724241	0.258	4.5							Si
100	6.03	5.5	6.03	5.5	167290	SLD 11	167012	724241	0.258	4.34							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	2862	SLU 51	2862	5722	40526	18592	18592	1	6.5	Si
5	0.153	6.03	0	2843	SLU 51	2843	5722	40526	18592	18592	1	6.54	Si
50	0.153	6.03	0	2667	SLU 51	2667	5722	40526	18592	18592	1	6.97	Si
95	0.153	6.03	0	2492	SLU 51	2492	5722	40526	18592	18592	1	7.46	Si
100	0.153	6.03	0	2472	SLU 51	2472	5722	40526	18592	18592	1	7.52	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1858	SLV 9	1858	5722	40526	18592	18592	1	10.01	Si
5	0.153	6.03	0	1843	SLV 9	1843	5722	40526	18592	18592	1	10.09	Si
50	0.153	6.03	0	1708	SLV 9	1708	5722	40526	18592	18592	1	10.89	Si
95	0.153	6.03	0	1573	SLV 9	1573	5722	40526	18592	18592	1	11.82	Si
100	0.153	6.03	0	1558	SLV 9	1558	5722	40526	18592	18592	1	11.93	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1735	SLD 9	1735	5722	40526	18592	18592	1	10.71	Si
5	0.153	6.03	0	1720	SLD 9	1720	5722	40526	18592	18592	1	10.81	Si
50	0.153	6.03	0	1585	SLD 9	1585	5722	40526	18592	18592	1	11.73	Si
95	0.153	6.03	0	1450	SLD 9	1450	5722	40526	18592	18592	1	12.82	Si
100	0.153	6.03	0	1435	SLD 9	1435	5722	40526	18592	18592	1	12.95	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-31894	10	-31894	3.2	184.3	48.3	3600	-23259	2	-23259	2.3	138.2			Si
5	2676	5	29109	2.9	184.3	44.1	3600								Si
5	-22274	10	-22274	2.2	184.3	33.7	3600	-15089	2	-15089	1.5	138.2			Si
50	82308	9	111173	11.2	184.3	168.4	3600	55106	2	78169	7.9	138.2			Si
95	163298	8	163298	16.5	184.3	247.4	3600	119218	2	119218	12	138.2			Si
100	171960	8	171337	17.3	184.3	259.5	3600	125971	2	125692	12.7	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.028	0.019	0.024	0.017	0.022	0.019	0.019	0.017	0.021	0.019	0.045	2	0.042	2	9901	Si
5	0.03	0.02	0.026	0.018	0.023	0.021	0.02	0.018	0.022	0.021	0.049	2	0.045	2	9209	Si
50	0.047	0.033	0.041	0.029	0.037	0.033	0.033	0.029	0.035	0.033	0.079	2	0.073	2	5677	Si
95	0.062	0.043	0.054	0.038	0.049	0.043	0.043	0.038	0.047	0.043	0.104	2	0.097	2	4293	Si
100	0.063	0.044	0.055	0.039	0.05	0.044	0.044	0.039	0.048	0.044	0.107	2	0.099	2	4202	Si

Campata 3 , sezione R 30x40, asta 45

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	243646	SLU 47	242723	760524	0.161	3.13							Si
5	6.03	5.5	6.03	5.5	252153	SLU 47	278243	760524	0.161	2.73							Si
35	6.03	5.5	6.03	5.5	301155	SLU 47	325404	760524	0.161	2.34							Si
70	6.03	5.5	6.03	5.5	353885	SLU 47	353885	760524	0.161	2.15							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	227440	SLV 11	227164	724241	0.258	3.19							Si
5	6.03	5.5	6.03	5.5	232384	SLV 11	247473	724241	0.258	2.93							Si
35	6.03	5.5	6.03	5.5	260624	SLV 11	274431	724241	0.258	2.64							Si
63	6.03	5.5	6.03	5.5	284778	SLV 11	290487	724241	0.258	2.49							Si
70	6.03	5.5	6.03	5.5	290487	SLV 11	290487	724241	0.258	2.49							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	167289	SLD 11	167012	724241	0.258	4.34							Si
5	6.03	5.5	6.03	5.5	172600	SLD 11	188817	724241	0.258	3.84							Si
35	6.03	5.5	6.03	5.5	202965	SLD 11	217833	724241	0.258	3.32							Si
63	6.03	5.5	6.03	5.5	228984	SLD 11	235140	724241	0.258	3.08							Si
70	6.03	5.5	6.03	5.5	235140	SLD 11	235140	724241	0.258	3.08							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1901	SLU 49	1901	5722	40526	18592	18592	1	9.78	Si
5	0.153	6.03	0	1882	SLU 49	1882	5722	40526	18592	18592	1	9.88	Si
35	0.153	6.03	0	1765	SLU 49	1765	5722	40526	18592	18592	1	10.54	Si
70	0.153	6.03	0	1628	SLU 49	1628	5722	40526	18592	18592	1	11.42	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1337	SLV 9	1337	5722	40526	18592	18592	1	13.91	Si
5	0.153	6.03	0	1322	SLV 9	1322	5722	40526	18592	18592	1	14.07	Si
35	0.153	6.03	0	1232	SLV 9	1232	5722	40526	18592	18592	1	15.09	Si
70	0.153	6.03	0	1127	SLV 9	1127	5722	40526	18592	18592	1	16.5	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1214	SLD 9	1214	5722	40526	18592	18592	1	15.31	Si
5	0.153	6.03	0	1199	SLD 9	1199	5722	40526	18592	18592	1	15.51	Si
35	0.153	6.03	0	1109	SLD 9	1109	5722	40526	18592	18592	1	16.76	Si
70	0.153	6.03	0	1004	SLD 9	1004	5722	40526	18592	18592	1	18.52	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	171959	8	171337	17.3	184.3	259.5	3600	125971	2	125692	12.7	138.2			Si
5	178062	8	196745	19.9	184.3	298	3600	131538	2	148540	15	138.2			Si
35	213108	8	230376	23.3	184.3	349	3600	163372	2	178959	18.1	138.2			Si
70	250582	8	250582	25.3	184.3	379.6	3600	197099	2	197099	19.9	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.063	0.044	0.055	0.039	0.05	0.044	0.044	0.039	0.048	0.044	0.107	2	0.099	2	4202	Si
5	0.064	0.045	0.056	0.039	0.051	0.045	0.045	0.039	0.049	0.045	0.109	2	0.101	2	4119	Si
35	0.069	0.049	0.061	0.043	0.056	0.049	0.049	0.043	0.053	0.049	0.118	2	0.109	2	3785	Si
63	0.071	0.05	0.062	0.044	0.057	0.05	0.05	0.044	0.055	0.05	0.122	2	0.112	2	3686	Si
70	0.07	0.05	0.062	0.044	0.057	0.05	0.05	0.044	0.055	0.05	0.121	2	0.112	2	3692	Si

Campata 4 , sezione R 30x40, asta 46

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	325245	SLU 47	325245	760524	0.161	2.34							Si
15	6.03	5.5	6.03	5.5	317061	SLU 51	325245	760524	0.161	2.34							Si
25	6.03	5.5	6.03	5.5	311805	SLU 51	320169	760524	0.161	2.38							Si
30	6.03	5.5	6.03	5.5	309030	SLU 51	309030	760524	0.161	2.46							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	266220	SLV 11	266220	724241	0.258	2.72							Si
15	6.03	5.5	6.03	5.5	257392	SLV 11	266220	724241	0.258	2.72							Si
25	6.03	5.5	6.03	5.5	251143	SLV 11	260827	724241	0.258	2.78							Si
30	6.03	5.5	6.03	5.5	247910	SLV 11	247910	724241	0.258	2.92							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	215523	SLD 11	215523	724241	0.258	3.36							Si
15	6.03	5.5	6.03	5.5	209661	SLD 11	215523	724241	0.258	3.36							Si
25	6.03	5.5	6.03	5.5	205384	SLD 11	211969	724241	0.258	3.42							Si
30	6.03	5.5	6.03	5.5	203134	SLD 11	203134	724241	0.258	3.57							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-534	SLU 48	-534	-5722	-40526	-18592	-18592	1	34.82	Si
15	0.153	6.03	0	-592	SLU 48	-592	-5722	-40526	-18592	-18592	1	31.38	Si
25	0.153	6.03	0	-631	SLU 48	-631	-5722	-40526	-18592	-18592	1	29.44	Si
30	0.153	6.03	0	-651	SLU 48	-651	-5722	-40526	-18592	-18592	1	28.56	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	105	SLV 5	105	5722	40526	18592	18592	1	177.53	Si
0	0.153	6.03	0	-576	SLV 11	-576	-5722	-40526	-18592	-18592	1	32.25	Si
15	0.153	6.03	0	60	SLV 5	60	5722	40526	18592	18592	1	311.27	Si
15	0.153	6.03	0	-621	SLV 11	-621	-5722	-40526	-18592	-18592	1	29.92	Si
25	0.153	6.03	0	30	SLV 5	30	5722	40526	18592	18592	1	625.38	Si
25	0.153	6.03	0	-651	SLV 11	-651	-5722	-40526	-18592	-18592	1	28.54	Si
30	0.153	6.03	0	15	SLV 5	15	5722	40526	18592	18592	1	1262.24	Si
30	0.153	6.03	0	-666	SLV 11	-666	-5722	-40526	-18592	-18592	1	27.9	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-373	SLD 11	-373	-5722	-40526	-18592	-18592	1	49.86	Si
15	0.153	6.03	0	-418	SLD 11	-418	-5722	-40526	-18592	-18592	1	44.49	Si
25	0.153	6.03	0	-448	SLD 11	-448	-5722	-40526	-18592	-18592	1	41.51	Si
30	0.153	6.03	0	-463	SLD 11	-463	-5722	-40526	-18592	-18592	1	40.17	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente						Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	230235	8	230235	23.3	184.3	348.8	3600	180678	2	180678	18.2	138.2			Si
15	224433	12	230235	23.3	184.3	348.8	3600	176803	2	180678	18.2	138.2			Si
25	220648	12	226647	22.9	184.3	343.3	3600	173844	2	178356	18	138.2			Si
30	218643	12	218643	22.1	184.3	331.2	3600	172252	2	172252	17.4	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.07	0.05	0.062	0.044	0.057	0.05	0.05	0.044	0.055	0.05	0.121	2	0.112	2	3692	Si
15	0.069	0.049	0.06	0.043	0.057	0.049	0.05	0.043	0.054	0.049	0.12	2	0.11	2	3746	Si
25	0.068	0.048	0.059	0.042	0.056	0.048	0.049	0.042	0.053	0.049	0.117	2	0.108	2	3814	Si
30	0.067	0.047	0.058	0.042	0.055	0.048	0.048	0.042	0.052	0.048	0.116	2	0.107	2	3859	Si

Campata 5 , sezione R 30x40, aste 47, 48

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	300791	SLU 51	296634	760524	0.161	2.56							Si
5	6.03	5.5	6.03	5.5	292429	SLU 51	292429	760524	0.161	2.6							Si
50	6.03	5.5	6.03	5.5	212781	SLU 51	241471	760524	0.161	3.15							Si
95	6.03	5.5	6.03	5.5	153216	SLU 49	176688	760524	0.161	4.3							Si
100	6.03	5.5	6.03	5.5	146100	SLU 49	146100	760524	0.161	5.21							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	241251	SLV 11	238495	724241	0.258	3.04							Si
5	6.03	5.5	6.03	5.5	235439	SLV 11	235439	724241	0.258	3.08							Si
50	6.03	5.5	6.03	5.5	180320	SLV 11	200113	724241	0.258	3.62							Si
95	6.03	5.5	6.03	5.5	145321	SLV 11	160209	724241	0.258	4.52							Si
100	6.03	5.5	6.03	5.5	140445	SLV 11	140445	724241	0.258	5.16							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	197972	SLD 11	195530	724241	0.258	3.7							Si
5	6.03	5.5	6.03	5.5	192923	SLD 11	192923	724241	0.258	3.75							Si
50	6.03	5.5	6.03	5.5	144378	SLD 11	161945	724241	0.258	4.47							Si
95	6.03	5.5	6.03	5.5	110616	SLD 11	124914	724241	0.258	5.8							Si
100	6.03	5.5	6.03	5.5	105916	SLD 11	105916	724241	0.258	6.84							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-1725	SLU 48	-1725	-5722	-40526	-18592	-18592	1	10.78	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
5	0.153	6.03	0	-1744	SLU 48	-1744	-5722	-40526	-18592	-18592	1	10.66	Si
50	0.153	6.03	0	-1920	SLU 48	-1920	-5722	-40526	-18592	-18592	1	9.68	Si
95	0.153	6.03	0	-1747	SLU 48	-1747	-5722	-40526	-18592	-18592	1	10.64	Si
100	0.153	6.03	0	-1767	SLU 48	-1767	-5722	-40526	-18592	-18592	1	10.52	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-1244	SLV 15	-1244	-5722	-40526	-18592	-18592	1	14.95	Si
5	0.153	6.03	0	-1259	SLV 15	-1259	-5722	-40526	-18592	-18592	1	14.77	Si
50	0.153	6.03	0	-1394	SLV 15	-1394	-5722	-40526	-18592	-18592	1	13.34	Si
95	0.153	6.03	0	-1077	SLV 11	-1077	-5722	-40526	-18592	-18592	1	17.27	Si
100	0.153	6.03	0	-1092	SLV 11	-1092	-5722	-40526	-18592	-18592	1	17.03	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-1043	SLD 15	-1043	-5722	-40526	-18592	-18592	1	17.83	Si
5	0.153	6.03	0	-1058	SLD 15	-1058	-5722	-40526	-18592	-18592	1	17.57	Si
50	0.153	6.03	0	-1193	SLD 15	-1193	-5722	-40526	-18592	-18592	1	15.59	Si
95	0.153	6.03	0	-981	SLD 11	-981	-5722	-40526	-18592	-18592	1	18.95	Si
100	0.153	6.03	0	-996	SLD 11	-996	-5722	-40526	-18592	-18592	1	18.66	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	212834	12	209898	21.2	184.3	318	3600	168127	2	165874	16.8	138.2			Si
5	206924	12	206924	20.9	184.3	313.4	3600	163582	2	163582	16.5	138.2			Si
50	150357	12	170786	17.2	184.3	258.7	3600	119303	2	135443	13.7	138.2			Si
95	107712	10	124580	12.6	184.3	188.7	3600	86161	2	100161	10.1	138.2			Si
100	102558	10	102558	10.4	184.3	155.4	3600	81548	2	81548	8.2	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.067	0.047	0.058	0.042	0.055	0.048	0.048	0.042	0.052	0.048	0.116	2	0.107	2	3859	Si
5	0.066	0.047	0.058	0.041	0.054	0.047	0.047	0.041	0.051	0.047	0.115	2	0.105	2	3911	Si
50	0.053	0.038	0.047	0.033	0.044	0.038	0.039	0.033	0.042	0.038	0.093	2	0.086	2	4803	Si
95	0.035	0.025	0.03	0.022	0.029	0.025	0.025	0.022	0.028	0.025	0.061	2	0.056	2	7337	Si
100	0.033	0.023	0.028	0.02	0.027	0.023	0.024	0.02	0.026	0.024	0.057	2	0.052	2	7867	Si

Campata 6 , sezione R 30x40, asta 49

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	186691	SLU 49	176782	760524	0.161	4.3							Si
5	6.03	5.5	6.03	5.5	166827	SLU 49	166827	760524	0.161	4.56							Si
32	6.03	5.5	6.03	5.5	59930	SLU 49	123611	760524	0.161	6.15	-26900	SLU 5	-86881	-760524	0.161	8.75	Si
48	6.03	5.5	6.03	5.5	-842	SLU 23	56678	760524	0.161	13.42	-89989	SLU 31	-89989	-760524	0.161	8.45	Si
63	6.03	5.5	6.03	5.5							-156121	SLU 44	-122017	-760524	0.161	6.23	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	182819	SLV 15	174677	724241	0.258	4.15							Si
5	6.03	5.5	6.03	5.5	165621	SLV 15	165621	724241	0.258	4.37	20333	SLV 1	-5624	-724241	0.258	128.77	Si
32	6.03	5.5	6.03	5.5	77297	SLV 11	128692	724241	0.258	5.63	-26393	SLV 5	-62708	-724241	0.258	11.55	Si
48	6.03	5.5	6.03	5.5	29334	SLV 11	74933	724241	0.258	9.67	-64650	SLV 5	-64650	-724241	0.258	11.2	Si
63	6.03	5.5	6.03	5.5							-103727	SLV 9	-78184	-724241	0.258	9.26	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	138181	SLD 15	131142	724241	0.258	5.52							Si
5	6.03	5.5	6.03	5.5	123667	SLD 15	123667	724241	0.258	5.86							Si
32	6.03	5.5	6.03	5.5	47072	SLD 11	92290	724241	0.258	7.85	3832	SLD 5	-35397	-724241	0.258	20.46	Si
48	6.03	5.5	6.03	5.5	2126	SLD 11	44890	724241	0.258	16.13	-37442	SLD 5	-37442	-724241	0.258	19.34	Si
63	6.03	5.5	6.03	5.5							-77326	SLD 9	-54473	-724241	0.258	13.3	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-4828	SLU 48	-4828	-5722	-40526	-18592	-18592	1	3.85	Si
5	0.153	6.03	0	-4848	SLU 48	-4848	-5722	-40526	-18592	-18592	1	3.84	Si
32	0.153	6.03	0	-4951	SLU 48	-4951	-5722	-40526	-18592	-18592	1	3.76	Si
48	0.153	6.03	0	-5015	SLU 48	-5015	-5722	-40526	-18592	-18592	1	3.71	Si
63	0.153	6.03	0	-5074	SLU 48	-5074	-5722	-40526	-18592	-18592	1	3.66	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-3607	SLV 15	-3607	-5722	-40526	-18592	-18592	1	5.15	Si
5	0.153	6.03	0	-3622	SLV 15	-3622	-5722	-40526	-18592	-18592	1	5.13	Si
32	0.153	6.03	0	-3702	SLV 15	-3702	-5722	-40526	-18592	-18592	1	5.02	Si
48	0.153	6.03	0	-3751	SLV 15	-3751	-5722	-40526	-18592	-18592	1	4.96	Si
63	0.153	6.03	0	-3796	SLV 15	-3796	-5722	-40526	-18592	-18592	1	4.9	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-2975	SLD 15	-2975	-5722	-40526	-18592	-18592	1	6.25	Si
5	0.153	6.03	0	-2990	SLD 15	-2990	-5722	-40526	-18592	-18592	1	6.22	Si
32	0.153	6.03	0	-3070	SLD 15	-3070	-5722	-40526	-18592	-18592	1	6.06	Si
48	0.153	6.03	0	-3119	SLD 15	-3119	-5722	-40526	-18592	-18592	1	5.96	Si
63	0.153	6.03	0	-3164	SLD 15	-3164	-5722	-40526	-18592	-18592	1	5.88	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	131460	10	124347	12.6	184.3	188.4	3600	105483	2	99248	10	138.2			Si
5	117199	10	117199	11.8	184.3	177.5	3600	92977	2	92977	9.4	138.2			Si
32	40371	10	86156	8.7	184.3	130.5	3600	25452	2	65724	6.6	138.2			Si
32	-9458	5	-59535	6	184.3	90.2	3600								Si
48	-62088	5	-62088	6.3	184.3	94.1	3600	-21570	1	-21570	2.2	138.2			Si
63	-110641	5	-86196	8.7	184.3	130.6	3600	-59211	1	-40222	4.1	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.033	0.023	0.028	0.02	0.027	0.023	0.024	0.02	0.026	0.024	0.057	2	0.052	2	7867	Si
5	0.03	0.021	0.026	0.019	0.025	0.022	0.022	0.019	0.024	0.022	0.053	2	0.048	2	8496	Si
32	0.016	0.012	0.014	0.01	0.014	0.012	0.012	0.01	0.013	0.012	0.029	2	0.026	2	9999	Si
48	0.008	0.005	0.007	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.014	2	0.012	2	9999	Si

Campata 7 , sezione R 30x40, asta 50

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-207330	SLU 48	-147701	-760524	0.161	5.15	Si
15	6.03	5.5	6.03	5.5	-11982	SLU 23	89452	760524	0.161	8.5	-98897	SLU 31	-98897	-760524	0.161	7.69	Si
19	6.03	5.5	6.03	5.5	10194	SLU 23	98696	760524	0.161	7.71	-77043	SLU 31	-98897	-760524	0.161	7.69	Si
32	6.03	5.5	6.03	5.5	98696	SLU 49	98696	760524	0.161	7.71	3492	SLU 5	-90806	-760524	0.161	8.38	Si
37	6.03	5.5	6.03	5.5	134325	SLU 49	116535	760524	0.161	6.53							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	293075	SLV 11	292295	724241	0.258	2.48	-483133	SLV 5	-414071	-724241	0.258	1.75	Si
15	6.03	5.5	6.03	5.5	305205	SLV 11	320503	724241	0.258	2.26	-359373	SLV 5	-359373	-724241	0.258	2.02	Si
19	6.03	5.5	6.03	5.5	308333	SLV 11	321932	724241	0.258	2.25	-330986	SLV 5	-359373	-724241	0.258	2.02	Si
32	6.03	5.5	6.03	5.5	321932	SLV 11	321932	724241	0.258	2.25	-223722	SLV 5	-348847	-724241	0.258	2.08	Si
37	6.03	5.5	6.03	5.5	327759	SLV 11	326108	724241	0.258	2.22	-185061	SLV 5	-185061	-724241	0.258	3.91	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	64425	SLD 11	64425	724241	0.258	11.24	-254483	SLD 5	-205584	-724241	0.258	3.52	Si
15	6.03	5.5	6.03	5.5	109001	SLD 11	156605	724241	0.258	4.62	-163168	SLD 5	-163168	-724241	0.258	4.44	Si
19	6.03	5.5	6.03	5.5	119501	SLD 11	160598	724241	0.258	4.51	-142154	SLD 5	-163168	-724241	0.258	4.44	Si
32	6.03	5.5	6.03	5.5	160598	SLD 11	160598	724241	0.258	4.51	-62387	SLD 5	-155379	-724241	0.258	4.66	Si
37	6.03	5.5	6.03	5.5	176148	SLD 11	168868	724241	0.258	4.29	-33450	SLD 5	-33450	-724241	0.258	21.65	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	8268	SLU 48	8268	5722	40526	18592	18592	1	2.25	Si
15	0.153	6.03	0	8209	SLU 48	8209	5722	40526	18592	18592	1	2.26	Si
19	0.153	6.03	0	8196	SLU 48	8196	5722	40526	18592	18592	1	2.27	Si
32	0.153	6.03	0	8143	SLU 48	8143	5722	40526	18592	18592	1	2.28	Si
37	0.153	6.03	0	8124	SLU 48	8124	5722	40526	18592	18592	1	2.29	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	8804	SLV 9	8804	5722	40526	18592	18592	1	2.11	Si
15	0.153	6.03	0	8759	SLV 9	8759	5722	40526	18592	18592	1	2.12	Si
19	0.153	6.03	0	8748	SLV 9	8748	5722	40526	18592	18592	1	2.13	Si
32	0.153	6.03	0	8708	SLV 9	8708	5722	40526	18592	18592	1	2.14	Si
37	0.153	6.03	0	8693	SLV 9	8693	5722	40526	18592	18592	1	2.14	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	6359	SLD 9	6359	5722	40526	18592	18592	1	2.92	Si
15	0.153	6.03	0	6314	SLD 9	6314	5722	40526	18592	18592	1	2.94	Si
19	0.153	6.03	0	6303	SLD 9	6303	5722	40526	18592	18592	1	2.95	Si
32	0.153	6.03	0	6263	SLD 9	6263	5722	40526	18592	18592	1	2.97	Si
37	0.153	6.03	0	6248	SLD 9	6248	5722	40526	18592	18592	1	2.98	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-148976	9	-106310	10.7	184.3	161	3600	-95029	2	-61568	6.2	138.2			Si
15	-67468	5	-67468	6.8	184.3	102.2	3600	-29938	1	-29938	3	138.2			Si
19	-49360	5	-67468	6.8	184.3	102.2	3600	-15196	1	-29938	3	138.2			Si
32	67268	10	67268	6.8	184.3	101.9	3600	49105	2	49105	5	138.2			Si
37	92894	10	80100	8.1	184.3	121.3	3600	71349	2	60246	6.1	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.004	2	0.004	2	9999	Si
19	0.003	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.005	2	9999	Si
32	0.006	0.004	0.005	0.003	0.005	0.004	0.004	0.003	0.005	0.004	0.009	2	0.008	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
37	0.007	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.011	2	0.01	2	9999	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	42018	SLU 23	42018	760524	0.161	18.1	-23478	SLU 31	-18185	-760524	0.161	41.82	Si
5	6.03	5.5	6.03	5.5	50808	SLU 23	81948	760524	0.161	9.28	-12942	SLU 31	-12942	-760524	0.161	58.76	Si
50	6.03	5.5	6.03	5.5	139314	SLU 51	139314	760524	0.161	5.46							Si
95	6.03	5.5	6.03	5.5	148014	SLU 51	148014	760524	0.161	5.14							Si
100	6.03	5.5	6.03	5.5	152211	SLU 51	150137	760524	0.161	5.07							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	242306	SLV 11	239627	724241	0.258	3.02	-211002	SLV 5	-201612	-724241	0.258	3.59	Si
5	6.03	5.5	6.03	5.5	236842	SLV 11	236842	724241	0.258	3.06	-192190	SLV 5	-192190	-724241	0.258	3.77	Si
50	6.03	5.5	6.03	5.5	184970	SLV 11	203547	724241	0.258	3.56	-26926	SLV 5	-83704	-724241	0.258	8.65	Si
95	6.03	5.5	6.03	5.5	96168	SLV 9	96301	724241	0.258	7.52							Si
100	6.03	5.5	6.03	5.5	107072	SLV 9	100495	724241	0.258	7.21							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	108459	SLD 11	108459	724241	0.258	6.68	-77156	SLD 5	-71330	-724241	0.258	10.15	Si
5	6.03	5.5	6.03	5.5	110160	SLD 11	115042	724241	0.258	6.3	-65508	SLD 5	-65508	-724241	0.258	11.06	Si
43	6.03	5.5	6.03	5.5	120921	SLD 11	122422	724241	0.258	5.92	21091	SLD 5	-13796	-724241	0.258	52.5	Si
50	6.03	5.5	6.03	5.5	122422	SLD 11	122422	724241	0.258	5.92							Si
95	6.03	5.5	6.03	5.5	88451	SLD 9	88451	724241	0.258	8.19							Si
100	6.03	5.5	6.03	5.5	94171	SLD 9	90870	724241	0.258	7.97							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	2573	SLU 48	2573	5722	40526	18592	18592	1	7.23	Si
5	0.153	6.03	0	2553	SLU 48	2553	5722	40526	18592	18592	1	7.28	Si
50	0.153	6.03	0	2378	SLU 48	2378	5722	40526	18592	18592	1	7.82	Si
95	0.153	6.03	0	996	SLU 48	996	5722	40526	18592	18592	1	18.66	Si
100	0.153	6.03	0	977	SLU 48	977	5722	40526	18592	18592	1	19.03	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	3784	SLV 5	3784	5722	40526	18592	18592	1	4.91	Si
0	0.153	6.03	0	-1099	SLV 11	-1099	-5722	-40526	-18592	-18592	1	16.92	Si
5	0.153	6.03	0	3769	SLV 5	3769	5722	40526	18592	18592	1	4.93	Si
5	0.153	6.03	0	-1114	SLV 11	-1114	-5722	-40526	-18592	-18592	1	16.69	Si
50	0.153	6.03	0	3634	SLV 5	3634	5722	40526	18592	18592	1	5.12	Si
50	0.153	6.03	0	-1249	SLV 11	-1249	-5722	-40526	-18592	-18592	1	14.89	Si
95	0.153	6.03	0	2367	SLV 5	2367	5722	40526	18592	18592	1	7.86	Si
95	0.153	6.03	0	-1482	SLV 11	-1482	-5722	-40526	-18592	-18592	1	12.54	Si
100	0.153	6.03	0	2352	SLV 5	2352	5722	40526	18592	18592	1	7.91	Si
100	0.153	6.03	0	-1497	SLV 11	-1497	-5722	-40526	-18592	-18592	1	12.42	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	2344	SLD 5	2344	5722	40526	18592	18592	1	7.93	Si
5	0.153	6.03	0	2329	SLD 5	2329	5722	40526	18592	18592	1	7.98	Si
50	0.153	6.03	0	2194	SLD 5	2194	5722	40526	18592	18592	1	8.48	Si
95	0.153	6.03	0	1230	SLD 5	1230	5722	40526	18592	18592	1	15.12	Si
95	0.153	6.03	0	-345	SLD 11	-345	-5722	-40526	-18592	-18592	1	53.9	Si
100	0.153	6.03	0	1215	SLD 5	1215	5722	40526	18592	18592	1	15.31	Si
100	0.153	6.03	0	-360	SLD 11	-360	-5722	-40526	-18592	-18592	1	51.66	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	26130	10	26130	2.6	184.3	39.6	3600	15652	2	15652	1.6	138.2			Si
0	-8561	5	-4335	0.4	184.3	6.6	3600								Si
5	33562	10	56418	5.7	184.3	85.5	3600	22326	2	42800	4.3	138.2			Si
5	-147	5	-147	0	184.3	0.2	3600								Si
50	97964	12	97964	9.9	184.3	148.4	3600	79022	2	79022	8	138.2			Si
95	104876	12	104876	10.6	184.3	158.9	3600	83203	2	83203	8.4	138.2			Si
100	107872	12	106393	10.7	184.3	161.2	3600	85377	2	84309	8.5	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
0	0.007	0.005	0.005	0.004	0.006	0.005	0.005	0.004	0.006	0.005	0.011	2	0.01	2	9999	Si
5	0.008	0.006	0.006	0.004	0.007	0.006	0.005	0.004	0.006	0.006	0.012	2	0.011	2	9999	Si
50	0.014	0.01	0.011	0.008	0.012	0.01	0.009	0.008	0.011	0.01	0.023	2	0.021	2	9999	Si
95	0.017	0.012	0.014	0.01	0.014	0.012	0.011	0.01	0.013	0.012	0.028	2	0.025	2	9999	Si
100	0.017	0.012	0.014	0.01	0.014	0.012	0.011	0.01	0.013	0.012	0.028	2	0.025	2	9999	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	131392	SLU 48	131392	760524	0.161	5.79							Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
3	6.03	5.5	6.03	5.5	131392	SLU 48	131392	760524	0.161	5.79							Si
5	6.03	5.5	6.03	5.5	131376	SLU 48	131376	760524	0.161	5.79							Si
50	6.03	5.5	6.03	5.5	126850	SLU 48	129323	760524	0.161	5.88							Si
95	6.81	5.5	6.03	5.5	61878	SLU 48	77757	760512	0.16	9.78							Si
100	6.82	5.5	6.03	5.5	56620	SLU 48	56620	760513	0.16	13.43							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	126647	SLV 5	126647	724241	0.258	5.72							Si
5	6.03	5.5	6.03	5.5	136371	SLV 5	166520	724241	0.258	4.35	9920	SLV 11	-21870	-724241	0.258	33.12	Si
50	6.03	5.5	6.03	5.5	220924	SLV 5	265541	724241	0.258	2.73	-83274	SLV 11	-169515	-724241	0.258	4.27	Si
95	6.81	5.5	6.03	5.5	315800	SLV 5	315800	724282	0.256	2.29	-254179	SLV 11	-254179	-805358	0.272	3.17	Si
100	6.82	5.5	6.03	5.5	324121	SLV 5	319980	724282	0.256	2.26	-268888	SLV 11	-261517	-806032	0.272	3.08	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	95000	SLD 5	95000	724241	0.258	7.62							Si
5	6.03	5.5	6.03	5.5	98912	SLD 5	110758	724241	0.258	6.54							Si
50	6.03	5.5	6.03	5.5	130950	SLD 5	136923	724241	0.258	5.29	6700	SLD 11	-40897	-724241	0.258	17.71	Si
95	6.81	5.5	6.03	5.5	147323	SLD 5	147323	724282	0.256	4.92	-85703	SLD 11	-85703	-805358	0.272	9.4	Si
100	6.82	5.5	6.03	5.5	148841	SLD 5	148102	724282	0.256	4.89	-93609	SLD 11	-89638	-806032	0.272	8.99	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	120	SLU 31	120	5722	40526	18592	18592	1	155.09	Si
0	0.153	6.03	0	-116	SLU 23	-116	-5722	-40526	-18592	-18592	1	160.6	Si
5	0.153	6.03	0	100	SLU 31	100	5722	40526	18592	18592	1	185.22	Si
5	0.153	6.03	0	-131	SLU 23	-131	-5722	-40526	-18592	-18592	1	142.17	Si
50	0.153	6.03	0	-283	SLU 49	-283	-5722	-40526	-18592	-18592	1	65.6	Si
95	0.153	6.03	0	-1073	SLU 51	-1073	-5722	-40526	-18592	-18592	1	17.33	Si
100	0.153	6.03	0	-1093	SLU 51	-1093	-5722	-40526	-18592	-18592	1	17.02	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1966	SLV 5	1966	5722	40526	18592	18592	1	9.46	Si
0	0.153	6.03	0	-1993	SLV 11	-1993	-5722	-40526	-18592	-18592	1	9.33	Si
5	0.153	6.03	0	1951	SLV 5	1951	5722	40526	18592	18592	1	9.53	Si
5	0.153	6.03	0	-2008	SLV 11	-2008	-5722	-40526	-18592	-18592	1	9.26	Si
50	0.153	6.03	0	1816	SLV 5	1816	5722	40526	18592	18592	1	10.24	Si
50	0.153	6.03	0	-2143	SLV 11	-2143	-5722	-40526	-18592	-18592	1	8.67	Si
95	0.153	6.03	0	1672	SLV 5	1672	5722	40526	18592	18592	1	11.12	Si
95	0.153	6.03	0	-2935	SLV 11	-2935	-5725	-40566	-18611	-18611	1	6.34	Si
100	0.153	6.03	0	1657	SLV 5	1657	5722	40526	18592	18592	1	11.22	Si
100	0.153	6.03	0	-2950	SLV 11	-2950	-5725	-40566	-18611	-18611	1	6.31	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	797	SLD 5	797	5722	40526	18592	18592	1	23.33	Si
0	0.153	6.03	0	-824	SLD 11	-824	-5722	-40526	-18592	-18592	1	22.57	Si
5	0.153	6.03	0	782	SLD 5	782	5722	40526	18592	18592	1	23.78	Si
5	0.153	6.03	0	-839	SLD 11	-839	-5722	-40526	-18592	-18592	1	22.17	Si
50	0.153	6.03	0	647	SLD 5	647	5722	40526	18592	18592	1	28.75	Si
50	0.153	6.03	0	-974	SLD 11	-974	-5722	-40526	-18592	-18592	1	19.09	Si
95	0.153	6.03	0	311	SLD 5	311	5722	40526	18592	18592	1	59.72	Si
95	0.153	6.03	0	-1574	SLD 11	-1574	-5725	-40566	-18611	-18611	1	11.82	Si
100	0.153	6.03	0	296	SLD 5	296	5722	40526	18592	18592	1	62.74	Si
100	0.153	6.03	0	-1589	SLD 11	-1589	-5725	-40566	-18611	-18611	1	11.71	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	93425	9	93425	9.4	184.3	141.5	3600	73250	2	73216	7.4	138.2			Si
5	93471	9	93471	9.4	184.3	141.6	3600	73145	2	73145	7.4	138.2			Si
50	90505	9	92227	9.3	184.3	139.7	3600	68825	2	71020	7.2	138.2			Si
95	44878	9	56143	5.6	184.3	84.5	3600	30810	2	40352	4	138.2			Si
100	41135	9	41135	4.1	184.3	61.9	3600	27616	2	27616	2.7	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.017	0.012	0.014	0.01	0.014	0.012	0.011	0.01	0.013	0.012	0.028	2	0.025	2	9999	Si
3	0.017	0.012	0.014	0.01	0.014	0.012	0.011	0.01	0.013	0.012	0.028	2	0.025	2	9999	Si
5	0.017	0.012	0.014	0.01	0.014	0.012	0.011	0.01	0.013	0.012	0.028	2	0.025	2	9999	Si
50	0.015	0.011	0.012	0.009	0.012	0.011	0.01	0.009	0.012	0.011	0.024	2	0.023	2	9999	Si
95	0.01	0.007	0.008	0.006	0.008	0.007	0.006	0.006	0.008	0.007	0.016	2	0.015	2	9999	Si
100	0.009	0.007	0.007	0.005	0.008	0.007	0.006	0.005	0.007	0.007	0.015	2	0.013	2	9999	Si

Campata 10 , sezione R 30x40, asta 55

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.82	5.5	6.03	5.5	68593	SLU 48	58426	760513	0.16	13.02							Si
5	6.82	5.5	6.03	5.5	49389	SLU 35	49389	760513	0.16	15.4	22658	SLU 14	-28594	-851638	0.169	29.78	Si
34	6.82	5.5	6.03	5.5	-27525	SLU 2	9436	760513	0.16	80.6	-80159	SLU 51	-146965	-851638	0.169	5.79	Si
68	6.82	5.5	6.03	5.5							-225998	SLU 51	-225998	-851638	0.169	3.77	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.82	5.5	6.03	5.5	343249	SLV 5	343249	724282	0.256	2.11	-272124	SLV 11	-272124	-806032	0.272	2.96	Si
5	6.82	5.5	6.03	5.5	352215	SLV 5	380035	724282	0.256	1.91	-303716	SLV 11	-403571	-806032	0.272	2	Si
34	6.82	5.5	6.03	5.5	403125	SLV 5	429803	724282	0.256	1.69	-488797	SLV 11	-590244	-806032	0.272	1.37	Si
68	6.82	5.5	6.03	5.5	460028	SLV 5	460028	724282	0.256	1.57	-709433	SLV 11	-709433	-806032	0.272	1.14	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.82	5.5	6.03	5.5	161419	SLD 5	159873	724282	0.256	4.53	-90294	SLD 11	-90294	-806032	0.272	8.93	Si
5	6.82	5.5	6.03	5.5	158391	SLD 5	158391	724282	0.256	4.57	-109891	SLD 11	-172000	-806032	0.272	4.69	Si
34	6.82	5.5	6.03	5.5	139541	SLD 5	150030	724282	0.256	4.83	-225213	SLD 11	-288799	-806032	0.272	2.79	Si
68	6.82	5.5	6.03	5.5	114436	SLD 5	126446	724282	0.256	5.73	-363841	SLD 11	-363841	-806032	0.272	2.22	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-4100	SLU 47	-4100	-5722	-40526	-18592	-18592	1	4.53	Si
5	0.153	6.03	0	-4120	SLU 47	-4120	-5722	-40526	-18592	-18592	1	4.51	Si
34	0.153	6.82	0	-4233	SLU 47	-4233	-5963	-40566	-18611	-18611	1	4.4	Si
68	0.153	6.82	0	-4366	SLU 47	-4366	-5963	-40566	-18611	-18611	1	4.26	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1842	SLV 5	1842	5722	40526	18592	18592	1	10.09	Si
0	0.153	6.82	0	-6352	SLV 11	-6352	-5963	-40566	-18611	-18611	1	2.93	Si
5	0.153	6.03	0	1827	SLV 5	1827	5722	40526	18592	18592	1	10.18	Si
5	0.153	6.82	0	-6367	SLV 11	-6367	-5963	-40566	-18611	-18611	1	2.92	Si
34	0.153	6.03	0	1740	SLV 5	1740	5722	40526	18592	18592	1	10.69	Si
34	0.153	6.82	0	-6454	SLV 11	-6454	-5963	-40566	-18611	-18611	1	2.88	Si
68	0.153	6.03	0	1638	SLV 5	1638	5722	40526	18592	18592	1	11.35	Si
68	0.153	6.82	0	-6556	SLV 11	-6556	-5963	-40566	-18611	-18611	1	2.84	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.82	0	-3932	SLD 11	-3932	-5963	-40566	-18611	-18611	1	4.73	Si
5	0.153	6.82	0	-3947	SLD 11	-3947	-5963	-40566	-18611	-18611	1	4.72	Si
34	0.153	6.82	0	-4034	SLD 11	-4034	-5963	-40566	-18611	-18611	1	4.61	Si
68	0.153	6.82	0	-4136	SLD 11	-4136	-5963	-40566	-18611	-18611	1	4.5	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	49846	9	42690	4.2	184.3	64.2	3600	35563	2	29924	3	138.2			Si
5	35498	9	35498	3.5	184.3	53.4	3600	24250	2	24250	2.4	138.2			Si
34	-54682	12	-101850	10.2	184.3	151.4	3600	-42836	2	-80221	8	138.2			Si
68	-157730	12	-157730	15.8	184.3	234.4	3600	-124702	2	-124702	12.5	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.009	0.007	0.007	0.005	0.008	0.007	0.006	0.005	0.007	0.007	0.015	2	0.013	2	9999	Si
5	0.009	0.006	0.007	0.005	0.007	0.006	0.005	0.005	0.007	0.006	0.013	2	0.012	2	9999	Si
34	0.004	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.003	0.003	0.006	2	0.006	2	9999	Si

Trave 30x40 sx bassa

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 30x40	Rettangolare	30	40	3.5	3.5	3.5

Output campate

Campata 1, sezione R 30x40, asta 138

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-283746	SLU 51	-258746	-760524	0.161	2.94	Si
15	6.03	5.5	6.03	5.5							-234181	SLU 51	-234181	-760524	0.161	3.25	Si
43	6.03	5.5	6.3	5.5							-145583	SLU 51	-195822	-760524	0.161	3.88	Si
80	6.03	5.5	6.03	5.5	5863	SLU 5	5863	760524	0.161	129.72	-37847	SLU 49	-80442	-760524	0.161	9.45	Si
85	6.03	5.5	6.03	5.5	15881	SLU 5	15218	760524	0.161	49.98	-24486	SLU 49	-24486	-760524	0.161	31.06	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene

eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-275543	SLV 5	-259700	-724241	0.258	2.79	Si
15	6.03	5.5	6.03	5.5	-16419	SLV 11	8122	724241	0.258	89.17	-244590	SLV 5	-244590	-724241	0.258	2.96	Si
43	6.03	5.5	6.03	5.5	26107	SLV 11	49454	724241	0.258	14.64	-189724	SLV 5	-220759	-724241	0.258	3.28	Si
80	6.03	5.5	6.03	5.5	80743	SLV 11	80743	724241	0.258	8.97	-118876	SLV 5	-147989	-724241	0.258	4.89	Si
85	6.03	5.5	6.03	5.5	87741	SLV 11	87465	724241	0.258	8.28	-109775	SLV 5	-109775	-724241	0.258	6.6	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-204150	SLD 5	-189472	-724241	0.258	3.82	Si
15	6.03	5.5	6.03	5.5							-175290	SLD 5	-175290	-724241	0.258	4.13	Si
43	6.03	5.5	6.03	5.5							-124181	SLD 5	-153084	-724241	0.258	4.73	Si
80	6.03	5.5	6.03	5.5	20139	SLD 11	20139	724241	0.258	35.96	-58272	SLD 5	-85344	-724241	0.258	8.49	Si
85	6.03	5.5	6.03	5.5	27778	SLD 11	27500	724241	0.258	26.34	-49813	SLD 5	-49813	-724241	0.258	14.54	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	3488	SLU 47	3488	5722	40526	18592	18592	1	5.33	Si
15	0.153	6.03	0	3430	SLU 47	3430	5722	40526	18592	18592	1	5.42	Si
43	0.153	6.03	0	3322	SLU 47	3322	5722	40526	18592	18592	1	5.6	Si
80	0.153	6.03	0	3176	SLU 47	3176	5722	40526	18592	18592	1	5.85	Si
85	0.153	6.03	0	3157	SLU 47	3157	5722	40526	18592	18592	1	5.89	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	2154	SLV 9	2154	5722	40526	18592	18592	1	8.63	Si
15	0.153	6.03	0	2109	SLV 9	2109	5722	40526	18592	18592	1	8.82	Si
43	0.153	6.03	0	2026	SLV 9	2026	5722	40526	18592	18592	1	9.18	Si
80	0.153	6.03	0	1914	SLV 9	1914	5722	40526	18592	18592	1	9.72	Si
85	0.153	6.03	0	1899	SLV 9	1899	5722	40526	18592	18592	1	9.79	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1973	SLD 9	1973	5722	40526	18592	18592	1	9.42	Si
15	0.153	6.03	0	1928	SLD 9	1928	5722	40526	18592	18592	1	9.64	Si
43	0.153	6.03	0	1846	SLD 9	1846	5722	40526	18592	18592	1	10.07	Si
80	0.153	6.03	0	1733	SLD 9	1733	5722	40526	18592	18592	1	10.73	Si
85	0.153	6.03	0	1718	SLD 9	1718	5722	40526	18592	18592	1	10.82	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-201170	12	-183375	18.5	184.3	277.8	3600	-158019	2	-144094	14.6	138.2			Si
15	-165916	12	-165916	16.8	184.3	251.3	3600	-130505	2	-130505	13.2	138.2			Si
43	-103030	12	-138667	14	184.3	210.1	3600	-81809	2	-109342	11	138.2			Si
80	-26485	10	-56790	5.7	184.3	86	3600	-19067	2	-44831	4.5	138.2			Si
85	7306	5	6754	0.7	184.3	10.2	3600								Si
85	-16990	10	-16990	1.7	184.3	25.7	3600	-11017	2	-11017	1.1	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.003	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	2	0.004	2	9999	Si
43	0.011	0.007	0.009	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.016	2	0.015	2	9999	Si
80	0.023	0.016	0.02	0.013	0.018	0.016	0.015	0.013	0.017	0.016	0.036	2	0.034	2	9999	Si
85	0.025	0.017	0.022	0.014	0.019	0.017	0.016	0.014	0.018	0.017	0.039	2	0.037	2	9999	Si

Campata 2, sezione R 30x40, asta 139

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	15881	SLU 5	15218	760524	0.161	49.98	-24485	SLU 49	-24485	-760524	0.161	31.06	Si
5	6.03	5.5	6.03	5.5	23177	SLU 5	53136	760524	0.161	14.31	-13277	SLU 49	-13277	-760524	0.161	57.28	Si
50	6.03	5.5	6.03	5.5	117036	SLU 48	150838	760524	0.161	5.04							Si
95	6.03	5.5	6.03	5.5	211707	SLU 47	211707	760524	0.161	3.59							Si
100	6.03	5.5	6.03	5.5	221912	SLU 47	220988	760524	0.161	3.44							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	87740	SLV 11	87465	724241	0.258	8.28	-109774	SLV 5	-109774	-724241	0.258	6.6	Si
5	6.03	5.5	6.03	5.5	93559	SLV 11	111409	724241	0.258	6.5	-101868	SLV 5	-101868	-724241	0.258	7.11	Si
50	6.03	5.5	6.03	5.5	142950	SLV 11	158926	724241	0.258	4.56	-34410	SLV 5	-57186	-724241	0.258	12.66	Si
95	6.03	5.5	6.03	5.5	191273	SLV 15	191273	724241	0.258	3.79							Si
100	6.03	5.5	6.03	5.5	196753	SLV 15	196480	724241	0.258	3.69							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	27778	SLD 11	27500	724241	0.258	26.34	-49812	SLD 5	-49812	-724241	0.258	14.54	Si
5	6.03	5.5	6.03	5.5	34233	SLD 11	54054	724241	0.258	13.4	-42543	SLD 5	-42543	-724241	0.258	17.02	Si
50	6.03	5.5	6.03	5.5	89139	SLD 11	106936	724241	0.258	6.77	19401	SLD 5	-1497	-724241	0.258	483.67	Si

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
95	6.03	5.5	6.03	5.5	139788	SLD 15	139788	724241	0.258	5.18							Si
100	6.03	5.5	6.03	5.5	145250	SLD 15	144973	724241	0.258	5							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	2420	SLU 47	2420	5722	40526	18592	18592	1	7.68	Si
5	0.153	6.03	0	2401	SLU 47	2401	5722	40526	18592	18592	1	7.74	Si
50	0.153	6.03	0	2225	SLU 47	2225	5722	40526	18592	18592	1	8.36	Si
95	0.153	6.03	0	2050	SLU 47	2050	5722	40526	18592	18592	1	9.07	Si
100	0.153	6.03	0	2030	SLU 47	2030	5722	40526	18592	18592	1	9.16	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1677	SLV 9	1677	5722	40526	18592	18592	1	11.08	Si
5	0.153	6.03	0	1662	SLV 9	1662	5722	40526	18592	18592	1	11.18	Si
50	0.153	6.03	0	1527	SLV 9	1527	5722	40526	18592	18592	1	12.17	Si
95	0.153	6.03	0	1392	SLV 9	1392	5722	40526	18592	18592	1	13.35	Si
100	0.153	6.03	0	1377	SLV 9	1377	5722	40526	18592	18592	1	13.5	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1497	SLD 9	1497	5722	40526	18592	18592	1	12.42	Si
5	0.153	6.03	0	1482	SLD 9	1482	5722	40526	18592	18592	1	12.54	Si
50	0.153	6.03	0	1347	SLD 9	1347	5722	40526	18592	18592	1	13.8	Si
95	0.153	6.03	0	1212	SLD 9	1212	5722	40526	18592	18592	1	15.34	Si
100	0.153	6.03	0	1197	SLD 9	1197	5722	40526	18592	18592	1	15.53	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	7307	5	6754	0.7	184.3	10.2	3600								Si
0	-16989	10	-16989	1.7	184.3	25.7	3600	-11017	2	-11017	1.1	138.2			Si
5	14588	5	36984	3.7	184.3	56	3600								Si
5	-8964	10	-8964	0.9	184.3	13.6	3600	-4155	2	-4155	0.4	138.2			Si
50	82442	9	106367	10.7	184.3	161.1	3600	54270	2	73225	7.4	138.2			Si
95	149276	8	149276	15.1	184.3	226.1	3600	106612	2	106612	10.8	138.2			Si
100	156444	8	155821	15.7	184.3	236	3600	112057	2	111778	11.3	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.025	0.017	0.022	0.014	0.019	0.017	0.016	0.014	0.018	0.017	0.039	2	0.037	2	9999	Si
5	0.027	0.018	0.023	0.016	0.02	0.018	0.018	0.016	0.019	0.018	0.042	2	0.039	2	9999	Si
50	0.042	0.028	0.036	0.024	0.032	0.028	0.028	0.025	0.03	0.028	0.067	2	0.063	2	6668	Si
95	0.053	0.036	0.047	0.031	0.041	0.036	0.036	0.032	0.039	0.037	0.087	2	0.081	2	5122	Si
100	0.054	0.037	0.047	0.032	0.042	0.037	0.037	0.032	0.04	0.037	0.089	2	0.083	2	5022	Si

Campata 3 , sezione R 30x40, asta 140

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	221912	SLU 47	220988	760524	0.161	3.44							Si
5	6.03	5.5	6.03	5.5	228331	SLU 47	247860	760524	0.161	3.07							Si
35	6.03	5.5	6.03	5.5	264801	SLU 47	282491	760524	0.161	2.69							Si
70	6.03	5.5	6.03	5.5	302912	SLU 47	302912	760524	0.161	2.51							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	196754	SLV 15	196480	724241	0.258	3.69							Si
5	6.03	5.5	6.03	5.5	201058	SLV 15	214166	724241	0.258	3.38							Si
35	6.03	5.5	6.03	5.5	225550	SLV 15	237456	724241	0.258	3.05							Si
61	6.03	5.5	6.03	5.5	244687	SLV 15	251235	724241	0.258	2.88							Si
70	6.03	5.5	6.03	5.5	251235	SLV 15	251235	724241	0.258	2.88							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	145250	SLD 15	144973	724241	0.258	5							Si
5	6.03	5.5	6.03	5.5	149530	SLD 15	162519	724241	0.258	4.46							Si
35	6.03	5.5	6.03	5.5	173737	SLD 15	185397	724241	0.258	3.91							Si
61	6.03	5.5	6.03	5.5	192436	SLD 15	198777	724241	0.258	3.64							Si
70	6.03	5.5	6.03	5.5	198777	SLD 15	198777	724241	0.258	3.64							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1453	SLU 49	1453	5722	40526	18592	18592	1	12.8	Si
5	0.153	6.03	0	1434	SLU 49	1434	5722	40526	18592	18592	1	12.97	Si
35	0.153	6.03	0	1317	SLU 49	1317	5722	40526	18592	18592	1	14.12	Si
70	0.153	6.03	0	1180	SLU 49	1180	5722	40526	18592	18592	1	15.76	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1156	SLV 9	1156	5722	40526	18592	18592	1	16.08	Si
5	0.153	6.03	0	1141	SLV 9	1141	5722	40526	18592	18592	1	16.29	Si
35	0.153	6.03	0	1051	SLV 9	1051	5722	40526	18592	18592	1	17.69	Si
70	0.153	6.03	0	946	SLV 9	946	5722	40526	18592	18592	1	19.65	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	976	SLD 9	976	5722	40526	18592	18592	1	19.05	Si
5	0.153	6.03	0	961	SLD 9	961	5722	40526	18592	18592	1	19.34	Si
35	0.153	6.03	0	871	SLD 9	871	5722	40526	18592	18592	1	21.34	Si
70	0.153	6.03	0	766	SLD 9	766	5722	40526	18592	18592	1	24.27	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	156444	8	155821	15.7	184.3	236	3600	112057	2	111778	11.3	138.2			Si
5	161052	8	175043	17.7	184.3	265.2	3600	116317	2	129210	13	138.2			Si
35	187135	8	199710	20.2	184.3	302.5	3600	140304	2	151783	15.3	138.2			Si
70	214150	8	214150	21.6	184.3	324.4	3600	164876	2	164876	16.7	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.054	0.037	0.047	0.032	0.042	0.037	0.037	0.032	0.04	0.037	0.089	2	0.083	2	5022	Si
5	0.055	0.037	0.048	0.033	0.043	0.038	0.038	0.033	0.041	0.038	0.091	2	0.084	2	4932	Si
35	0.059	0.04	0.052	0.035	0.046	0.04	0.04	0.035	0.044	0.041	0.098	2	0.091	2	4582	Si
58	0.06	0.041	0.052	0.035	0.047	0.041	0.041	0.036	0.045	0.041	0.099	2	0.092	2	4506	Si
70	0.059	0.04	0.052	0.035	0.047	0.041	0.041	0.036	0.045	0.041	0.099	2	0.091	2	4532	Si

Campata 4, sezione R 30x40, asta 141

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	278638	SLU 47	278638	760524	0.161	2.73							Si
15	6.03	5.5	6.03	5.5	268268	SLU 47	278638	760524	0.161	2.73							Si
25	6.03	5.5	6.03	5.5	260868	SLU 47	272315	760524	0.161	2.79							Si
30	6.03	5.5	6.03	5.5	257022	SLU 47	257022	760524	0.161	2.96							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	230104	SLV 15	230104	724241	0.258	3.15							Si
15	6.03	5.5	6.03	5.5	220145	SLV 15	230104	724241	0.258	3.15							Si
25	6.03	5.5	6.03	5.5	213145	SLV 15	224009	724241	0.258	3.23							Si
30	6.03	5.5	6.03	5.5	209537	SLV 15	209537	724241	0.258	3.46							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	182173	SLD 15	182173	724241	0.258	3.98							Si
15	6.03	5.5	6.03	5.5	175162	SLD 15	182173	724241	0.258	3.98							Si
25	6.03	5.5	6.03	5.5	170120	SLD 15	177907	724241	0.258	4.07							Si
30	6.03	5.5	6.03	5.5	167488	SLD 15	167488	724241	0.258	4.32							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-679	SLU 48	-679	-5722	-40526	-18592	-18592	1	27.38	Si
15	0.153	6.03	0	-738	SLU 48	-738	-5722	-40526	-18592	-18592	1	25.21	Si
25	0.153	6.03	0	-777	SLU 48	-777	-5722	-40526	-18592	-18592	1	23.94	Si
30	0.153	6.03	0	-796	SLU 48	-796	-5722	-40526	-18592	-18592	1	23.36	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	16	SLV 1	16	5722	40526	18592	18592	1	1189.6	Si
0	0.153	6.03	0	-652	SLV 15	-652	-5722	-40526	-18592	-18592	1	28.5	Si
15	0.153	6.03	0	-697	SLV 15	-697	-5722	-40526	-18592	-18592	1	26.66	Si
25	0.153	6.03	0	-727	SLV 15	-727	-5722	-40526	-18592	-18592	1	25.56	Si
30	0.153	6.03	0	-742	SLV 15	-742	-5722	-40526	-18592	-18592	1	25.04	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-449	SLD 15	-449	-5722	-40526	-18592	-18592	1	41.38	Si
15	0.153	6.03	0	-494	SLD 15	-494	-5722	-40526	-18592	-18592	1	37.61	Si
25	0.153	6.03	0	-524	SLD 15	-524	-5722	-40526	-18592	-18592	1	35.46	Si
30	0.153	6.03	0	-539	SLD 15	-539	-5722	-40526	-18592	-18592	1	34.47	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	196924	8	196924	19.9	184.3	298.3	3600	151203	2	151203	15.3	138.2			Si
15	189608	8	196924	19.9	184.3	298.3	3600	146089	2	151203	15.3	138.2			Si
25	184356	8	192470	19.4	184.3	291.6	3600	142305	2	148113	15	138.2			Si
30	181618	8	181618	18.3	184.3	275.1	3600	140301	2	140301	14.2	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.059	0.04	0.052	0.035	0.047	0.041	0.041	0.036	0.045	0.041	0.099	2	0.091	2	4532	Si
15	0.058	0.039	0.05	0.034	0.046	0.04	0.04	0.035	0.044	0.04	0.097	2	0.089	2	4630	Si
25	0.056	0.038	0.049	0.033	0.045	0.039	0.039	0.034	0.043	0.039	0.095	2	0.087	2	4737	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
30	0.056	0.038	0.048	0.033	0.044	0.038	0.039	0.033	0.042	0.039	0.093	2	0.086	2	4805	Si

Campata 5, sezione R 30x40, aste 142, 143

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	246874	SLU 47	242497	760524	0.161	3.14							Si
5	6.03	5.5	6.03	5.5	238072	SLU 47	238072	760524	0.161	3.19							Si
50	6.03	5.5	6.03	5.5	159524	SLU 51	185455	760524	0.161	4.1							Si
95	6.03	5.5	6.03	5.5	81349	SLU 49	108388	760524	0.161	7.02							Si
100	6.03	5.5	6.03	5.5	72989	SLU 49	72989	760524	0.161	10.42							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	205912	SLV 15	202557	724241	0.258	3.58							Si
5	6.03	5.5	6.03	5.5	199053	SLV 15	199053	724241	0.258	3.64							Si
50	6.03	5.5	6.03	5.5	145736	SLV 15	157535	724241	0.258	4.6							Si
95	6.03	5.5	6.03	5.5	97868	SLV 15	115181	724241	0.258	6.29	-9728	SLV 1	-9728	-724241	0.258	74.45	Si
100	6.03	5.5	6.03	5.5	92220	SLV 15	92220	724241	0.258	7.85	-14777	SLV 1	-12036	-724241	0.258	60.17	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	163452	SLD 15	160748	724241	0.258	4.51							Si
5	6.03	5.5	6.03	5.5	157955	SLD 15	157955	724241	0.258	4.59							Si
50	6.03	5.5	6.03	5.5	111176	SLD 15	124315	724241	0.258	5.83							Si
95	6.03	5.5	6.03	5.5	65211	SLD 15	81907	724241	0.258	8.84							Si
100	6.03	5.5	6.03	5.5	59748	SLD 15	59748	724241	0.258	12.12							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-1757	SLU 48	-1757	-5722	-40526	-18592	-18592	1	10.58	Si
5	0.153	6.03	0	-1777	SLU 48	-1777	-5722	-40526	-18592	-18592	1	10.46	Si
50	0.153	6.03	0	-1830	SLU 48	-1830	-5722	-40526	-18592	-18592	1	10.16	Si
95	0.153	6.03	0	-2005	SLU 48	-2005	-5722	-40526	-18592	-18592	1	9.27	Si
100	0.153	6.03	0	-2025	SLU 48	-2025	-5722	-40526	-18592	-18592	1	9.18	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-1387	SLV 15	-1387	-5722	-40526	-18592	-18592	1	13.41	Si
5	0.153	6.03	0	-1402	SLV 15	-1402	-5722	-40526	-18592	-18592	1	13.26	Si
47	0.153	6.03	0	-1527	SLV 15	-1527	-5722	-40526	-18592	-18592	1	12.18	Si
50	0.153	6.03	0	-1104	SLV 11	-1104	-5722	-40526	-18592	-18592	1	16.84	Si
95	0.153	6.03	0	-1239	SLV 11	-1239	-5722	-40526	-18592	-18592	1	15.01	Si
100	0.153	6.03	0	-1254	SLV 11	-1254	-5722	-40526	-18592	-18592	1	14.83	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-1102	SLD 15	-1102	-5722	-40526	-18592	-18592	1	16.87	Si
5	0.153	6.03	0	-1117	SLD 15	-1117	-5722	-40526	-18592	-18592	1	16.64	Si
47	0.153	6.03	0	-1242	SLD 15	-1242	-5722	-40526	-18592	-18592	1	14.97	Si
50	0.153	6.03	0	-998	SLD 11	-998	-5722	-40526	-18592	-18592	1	18.64	Si
95	0.153	6.03	0	-1133	SLD 11	-1133	-5722	-40526	-18592	-18592	1	16.42	Si
100	0.153	6.03	0	-1148	SLD 11	-1148	-5722	-40526	-18592	-18592	1	16.2	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	174503	8	171429	17.3	184.3	259.7	3600	135996	2	133707	13.5	138.2			Si
5	168319	8	168319	17	184.3	255	3600	131382	2	131382	13.3	138.2			Si
50	112700	12	131191	13.2	184.3	198.7	3600	88828	2	102838	10.4	138.2			Si
95	57078	10	76419	7.7	184.3	115.8	3600	44070	2	60378	6.1	138.2			Si
100	51066	10	51066	5.2	184.3	77.4	3600	38722	2	38722	3.9	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	I/f	
0	0.056	0.038	0.048	0.033	0.044	0.038	0.039	0.033	0.042	0.039	0.093	2	0.086	2	4805	Si
5	0.055	0.037	0.048	0.032	0.044	0.038	0.038	0.033	0.041	0.038	0.092	2	0.085	2	4882	Si
50	0.043	0.029	0.037	0.025	0.034	0.03	0.03	0.026	0.033	0.03	0.073	2	0.067	2	6173	Si
95	0.027	0.018	0.023	0.016	0.022	0.019	0.019	0.016	0.021	0.019	0.046	2	0.042	2	9830	Si
100	0.025	0.017	0.021	0.015	0.02	0.017	0.018	0.015	0.019	0.018	0.042	2	0.039	2	9999	Si

Campata 6, sezione R 30x40, asta 144

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	97940	SLU 49	88440	760524	0.161	8.6							Si
5	6.03	5.5	6.03	5.5	78893	SLU 49	78893	760524	0.161	9.64	13006	SLU 5	-38449	-760524	0.161	19.78	Si
31	6.03	5.5	6.03	5.5	-13837	SLU 10	37442	760524	0.161	20.31	-82060	SLU 44	-150477	-760524	0.161	5.05	Si
48	6.03	5.5	6.03	5.5							-154339	SLU 48	-154339	-760524	0.161	4.93	Si
63	6.03	5.5	6.03	5.5							-227675	SLU 48	-190788	-760524	0.161	3.99	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	153828	SLV 15	143737	724241	0.258	5.04	-47483	SLV 1	-47483	-724241	0.258	15.25	Si
5	6.03	5.5	6.03	5.5	133351	SLV 15	133351	724241	0.258	5.43	-50910	SLV 1	-62619	-724241	0.258	11.57	Si
31	6.03	5.5	6.03	5.5	25177	SLV 15	89105	724241	0.258	8.13	-71912	SLV 1	-89413	-724241	0.258	8.1	Si
48	6.03	5.5	6.03	5.5	-38776	SLV 15	21987	724241	0.258	32.94	-90522	SLV 1	-90522	-724241	0.258	8	Si
63	6.03	5.5	6.03	5.5							-132585	SLV 9	-99897	-724241	0.258	7.25	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	92771	SLD 15	85188	724241	0.258	8.5							Si
5	6.03	5.5	6.03	5.5	77452	SLD 15	77452	724241	0.258	9.35	4989	SLD 1	-22670	-724241	0.258	31.95	Si
31	6.03	5.5	6.03	5.5	-4261	SLD 15	44225	724241	0.258	16.38	-42474	SLD 1	-73418	-724241	0.258	9.86	Si
48	6.03	5.5	6.03	5.5							-75185	SLD 5	-75185	-724241	0.258	9.63	Si
63	6.03	5.5	6.03	5.5							-115191	SLD 9	-90353	-724241	0.258	8.02	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-4673	SLU 48	-4673	-5722	-40526	-18592	-18592	1	3.98	Si
5	0.153	6.03	0	-4692	SLU 48	-4692	-5722	-40526	-18592	-18592	1	3.96	Si
31	0.153	6.03	0	-4796	SLU 48	-4796	-5722	-40526	-18592	-18592	1	3.88	Si
48	0.153	6.03	0	-4860	SLU 48	-4860	-5722	-40526	-18592	-18592	1	3.83	Si
63	0.153	6.03	0	-4918	SLU 48	-4918	-5722	-40526	-18592	-18592	1	3.78	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-4140	SLV 15	-4140	-5722	-40526	-18592	-18592	1	4.49	Si
5	0.153	6.03	0	-4155	SLV 15	-4155	-5722	-40526	-18592	-18592	1	4.48	Si
31	0.153	6.03	0	-4234	SLV 15	-4234	-5722	-40526	-18592	-18592	1	4.39	Si
48	0.153	6.03	0	-4284	SLV 15	-4284	-5722	-40526	-18592	-18592	1	4.34	Si
63	0.153	6.03	0	-4329	SLV 15	-4329	-5722	-40526	-18592	-18592	1	4.3	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-3079	SLD 15	-3079	-5722	-40526	-18592	-18592	1	6.04	Si
5	0.153	6.03	0	-3094	SLD 15	-3094	-5722	-40526	-18592	-18592	1	6.01	Si
31	0.153	6.03	0	-3174	SLD 15	-3174	-5722	-40526	-18592	-18592	1	5.86	Si
48	0.153	6.03	0	-3223	SLD 15	-3223	-5722	-40526	-18592	-18592	1	5.77	Si
63	0.153	6.03	0	-3268	SLD 15	-3268	-5722	-40526	-18592	-18592	1	5.69	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	68723	10	61921	6.3	184.3	93.8	3600	53173	2	47215	4.8	138.2			Si
5	55083	10	55083	5.6	184.3	83.4	3600	41221	2	41221	4.2	138.2			Si
31	-57373	5	-106172	10.7	184.3	160.8	3600	-25476	1	-62642	6.3	138.2			Si
48	-108910	9	-108910	11	184.3	165	3600	-64649	2	-64649	6.5	138.2			Si
63	-160941	9	-134757	13.6	184.3	204.1	3600	-102885	2	-83598	8.4	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.025	0.017	0.021	0.015	0.02	0.017	0.018	0.015	0.019	0.018	0.042	2	0.039	2	9999	Si
5	0.023	0.016	0.02	0.013	0.019	0.016	0.016	0.014	0.018	0.016	0.039	2	0.036	2	9999	Si
31	0.012	0.008	0.01	0.007	0.01	0.008	0.009	0.007	0.009	0.009	0.021	2	0.019	2	9999	Si
48	0.005	0.004	0.005	0.003	0.005	0.004	0.004	0.003	0.004	0.004	0.009	2	0.009	2	9999	Si

Campata 7, sezione R 30x40, asta 145

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-289218	SLU 48	-234499	-760524	0.161	3.24	Si
15	6.03	5.5	6.03	5.5							-180218	SLU 48	-180218	-760524	0.161	4.22	Si
18	6.03	5.5	6.03	5.5							-154910	SLU 48	-180218	-760524	0.161	4.22	Si
32	6.03	5.5	6.03	5.5							-65120	SLU 44	-170849	-760524	0.161	4.45	Si
37	6.03	5.5	6.03	5.5	15603	SLU 23	7059	760524	0.161	107.74	-37237	SLU 31	-37237	-760524	0.161	20.42	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	124591	SLV 11	124591	724241	0.258	5.81	-416564	SLV 5	-372661	-724241	0.258	1.94	Si
15	6.03	5.5	6.03	5.5	153975	SLV 11	218497	724241	0.258	3.31	-326887	SLV 5	-326887	-724241	0.258	2.22	Si
18	6.03	5.5	6.03	5.5	164895	SLV 15	224372	724241	0.258	3.23	-310220	SLV 1	-326887	-724241	0.258	2.22	Si
32	6.03	5.5	6.03	5.5	224372	SLV 15	224372	724241	0.258	3.23	-263979	SLV 1	-319405	-724241	0.258	2.27	Si
37	6.03	5.5	6.03	5.5	247396	SLV 15	237239	724241	0.258	3.05	-248127	SLV 1	-248127	-724241	0.258	2.92	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-252838	SLD 5	-217219	-724241	0.258	3.33	Si
15	6.03	5.5	6.03	5.5	8330	SLD 11	70508	724241	0.258	10.27	-181242	SLD 5	-181242	-724241	0.258	4	Si
18	6.03	5.5	6.03	5.5	20450	SLD 15	75884	724241	0.258	9.54	-165774	SLD 1	-181242	-724241	0.258	4	Si
32	6.03	5.5	6.03	5.5	75884	SLD 15	75884	724241	0.258	9.54	-115492	SLD 1	-175186	-724241	0.258	4.13	Si
37	6.03	5.5	6.03	5.5	96758	SLD 15	86922	724241	0.258	8.33	-97488	SLD 1	-97488	-724241	0.258	7.43	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	7351	SLU 47	7351	5722	40526	18592	18592	1	2.53	Si
15	0.153	6.03	0	7293	SLU 47	7293	5722	40526	18592	18592	1	2.55	Si
18	0.153	6.03	0	7279	SLU 47	7279	5722	40526	18592	18592	1	2.55	Si
32	0.153	6.03	0	7226	SLU 47	7226	5722	40526	18592	18592	1	2.57	Si
37	0.153	6.03	0	7207	SLU 47	7207	5722	40526	18592	18592	1	2.58	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	7400	SLV 9	7400	5722	40526	18592	18592	1	2.51	Si
15	0.153	6.03	0	7355	SLV 9	7355	5722	40526	18592	18592	1	2.53	Si
18	0.153	6.03	0	7345	SLV 9	7345	5722	40526	18592	18592	1	2.53	Si
32	0.153	6.03	0	7304	SLV 9	7304	5722	40526	18592	18592	1	2.55	Si
37	0.153	6.03	0	7289	SLV 9	7289	5722	40526	18592	18592	1	2.55	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	5353	SLD 9	5353	5722	40526	18592	18592	1	3.47	Si
15	0.153	6.03	0	5308	SLD 9	5308	5722	40526	18592	18592	1	3.5	Si
18	0.153	6.03	0	5297	SLD 9	5297	5722	40526	18592	18592	1	3.51	Si
32	0.153	6.03	0	5257	SLD 9	5257	5722	40526	18592	18592	1	3.54	Si
37	0.153	6.03	0	5242	SLD 9	5242	5722	40526	18592	18592	1	3.55	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-206040	9	-167061	16.9	184.3	253.1	3600	-145986	2	-116052	11.7	138.2			Si
15	-128419	9	-128419	13	184.3	194.5	3600	-86456	2	-86456	8.7	138.2			Si
18	-110405	9	-128419	13	184.3	194.5	3600	-72662	2	-86456	8.7	138.2			Si
32	-46182	5	-121750	12.3	184.3	184.4	3600	-21911	1	-81348	8.2	138.2			Si
37	7474	10	3688	0.4	184.3	5.6	3600								Si
37	-23635	5	-23635	2.4	184.3	35.8	3600	-3725	1	-3725	0.4	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
15	0.001	0.001	0.001	0	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.001	2	9999	Si
18	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	2	0.002	2	9999	Si
32	0.003	0.002	0.002	0.001	0.003	0.002	0.002	0.002	0.003	0.002	0.005	2	0.004	2	9999	Si
37	0.004	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5							-75467	SLU 44	-69171	-760524	0.161	10.99	Si
5	6.03	5.5	6.03	5.5	-20020	SLU 10	8190	760524	0.161	92.86	-62924	SLU 44	-62924	-760524	0.161	12.09	Si
50	6.03	5.5	6.03	5.5	70704	SLU 51	77131	760524	0.161	9.86							Si
95	6.03	5.5	6.03	5.5	114381	SLU 47	114381	760524	0.161	6.65							Si
100	6.03	5.5	6.03	5.5	120857	SLU 47	117643	760524	0.161	6.46							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	131371	SLV 15	131371	724241	0.258	5.51	-195451	SLV 1	-187978	-724241	0.258	3.85	Si
5	6.03	5.5	6.03	5.5	131204	SLV 15	131204	724241	0.258	5.52	-180413	SLV 1	-180413	-724241	0.258	4.01	Si
50	6.03	5.5	6.03	5.5	127345	SLV 15	129070	724241	0.258	5.61	-49466	SLV 1	-94171	-724241	0.258	7.69	Si
95	6.03	5.5	6.03	5.5	83641	SLV 5	83641	724241	0.258	8.66							Si
100	6.03	5.5	6.03	5.5	93884	SLV 5	88989	724241	0.258	8.14							Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	32075	SLD 11	32075	724241	0.258	22.58	-96155	SLD 5	-90905	-724241	0.258	7.97	Si
5	6.03	5.5	6.03	5.5	36478	SLD 15	50013	724241	0.258	14.48	-85687	SLD 1	-85687	-724241	0.258	8.45	Si
50	6.03	5.5	6.03	5.5	73598	SLD 15	73598	724241	0.258	9.84	4282	SLD 1	-26304	-724241	0.258	27.53	Si
95	6.03	5.5	6.03	5.5	71330	SLD 5	71330	724241	0.258	10.15							Si
100	6.03	5.5	6.03	5.5	77309	SLD 5	74425	724241	0.258	9.73							Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	2792	SLU 48	2792	5722	40526	18592	18592	1	6.66	Si
5	0.153	6.03	0	2773	SLU 48	2773	5722	40526	18592	18592	1	6.71	Si
50	0.153	6.03	0	2597	SLU 48	2597	5722	40526	18592	18592	1	7.16	Si
95	0.153	6.03	0	1316	SLU 48	1316	5722	40526	18592	18592	1	14.12	Si
100	0.153	6.03	0	1297	SLU 48	1297	5722	40526	18592	18592	1	14.33	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	3283	SLV 5	3283	5722	40526	18592	18592	1	5.66	Si
0	0.153	6.03	0	-294	SLV 11	-294	-5722	-40526	-18592	-18592	1	63.35	Si
5	0.153	6.03	0	3268	SLV 5	3268	5722	40526	18592	18592	1	5.69	Si
5	0.153	6.03	0	-309	SLV 11	-309	-5722	-40526	-18592	-18592	1	60.27	Si
50	0.153	6.03	0	3133	SLV 5	3133	5722	40526	18592	18592	1	5.93	Si
50	0.153	6.03	0	-444	SLV 11	-444	-5722	-40526	-18592	-18592	1	41.92	Si
95	0.153	6.03	0	2139	SLV 5	2139	5722	40526	18592	18592	1	8.69	Si
95	0.153	6.03	0	-832	SLV 11	-832	-5722	-40526	-18592	-18592	1	22.34	Si
100	0.153	6.03	0	2124	SLV 5	2124	5722	40526	18592	18592	1	8.75	Si
100	0.153	6.03	0	-847	SLV 11	-847	-5722	-40526	-18592	-18592	1	21.94	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	2200	SLD 5	2200	5722	40526	18592	18592	1	8.45	Si
5	0.153	6.03	0	2185	SLD 5	2185	5722	40526	18592	18592	1	8.51	Si
50	0.153	6.03	0	2050	SLD 5	2050	5722	40526	18592	18592	1	9.07	Si
95	0.153	6.03	0	1238	SLD 5	1238	5722	40526	18592	18592	1	15.02	Si
100	0.153	6.03	0	1223	SLD 5	1223	5722	40526	18592	18592	1	15.2	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-53809	5	-49283	5	184.3	74.7	3600	-32585	1	-29044	2.9	138.2			Si
5	-44794	5	-44794	4.5	184.3	67.9	3600	-25541	1	-25541	2.6	138.2			Si
50	49718	12	54638	5.5	184.3	82.8	3600	38940	2	42996	4.3	138.2			Si
95	81139	8	81139	8.2	184.3	122.9	3600	63428	2	63428	6.4	138.2			Si
100	85706	8	83441	8.4	184.3	126.4	3600	66657	2	65061	6.6	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.004	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.003	0.003	0.006	2	0.005	2	9999	Si
5	0.005	0.003	0.003	0.002	0.004	0.003	0.003	0.002	0.004	0.003	0.007	2	0.006	2	9999	Si
50	0.01	0.007	0.008	0.005	0.008	0.007	0.007	0.005	0.008	0.007	0.016	2	0.014	2	9999	Si
95	0.013	0.01	0.011	0.008	0.011	0.01	0.009	0.008	0.011	0.01	0.022	2	0.02	2	9999	Si
100	0.014	0.01	0.011	0.008	0.011	0.01	0.009	0.008	0.011	0.01	0.022	2	0.021	2	9999	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	112364	SLU 47	112364	760524	0.161	6.77							Si
5	6.03	5.5	6.03	5.5	114385	SLU 47	120096	760524	0.161	6.33							Si
50	6.03	5.5	6.03	5.5	114812	SLU 48	127435	760524	0.161	5.97							Si
53	6.03	5.5	6.03	5.5	113710	SLU 48	127435	760524	0.161	5.97							Si
95	6.03	5.5	6.03	5.5	96277	SLU 48	103639	760524	0.161	7.34							Si
100	6.03	5.5	6.03	5.5	93730	SLU 48	93730	760524	0.161	8.11							Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	111410	SLV 5	111410	724241	0.258	6.5							Si
5	6.03	5.5	6.03	5.5	120401	SLV 5	148259	724241	0.258	4.88	5269	SLV 11	-15682	-724241	0.258	46.18	Si
50	6.03	5.5	6.03	5.5	209539	SLV 5	235185	724241	0.258	3.08	-83021	SLV 11	-114101	-724241	0.258	6.35	Si
95	6.03	5.5	6.03	5.5	281080	SLV 5	281080	724241	0.258	2.58	-174069	SLV 11	-174069	-724241	0.258	4.16	Si
100	6.03	5.5	6.03	5.5	288657	SLV 5	284890	724241	0.258	2.54	-184564	SLV 11	-179301	-724241	0.258	4.04	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	81161	SLD 5	81161	724241	0.258	8.92							Si
5	6.03	5.5	6.03	5.5	85455	SLD 5	98498	724241	0.258	7.35							Si
50	6.03	5.5	6.03	5.5	120814	SLD 5	129254	724241	0.258	5.6	5704	SLD 11	-8170	-724241	0.258	88.64	Si
95	6.03	5.5	6.03	5.5	143039	SLD 5	143039	724241	0.258	5.06	-36029	SLD 11	-36029	-724241	0.258	20.1	Si
100	6.03	5.5	6.03	5.5	145135	SLD 5	144107	724241	0.258	5.03	-41042	SLD 11	-38518	-724241	0.258	18.8	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	428	SLU 48	428	5722	40526	18592	18592	1	43.42	Si
5	0.153	6.03	0	409	SLU 48	409	5722	40526	18592	18592	1	45.49	Si
50	0.153	6.03	0	-340	SLU 47	-340	-5722	-40526	-18592	-18592	1	54.66	Si
95	0.153	6.03	0	-516	SLU 47	-516	-5722	-40526	-18592	-18592	1	36.06	Si
100	0.153	6.03	0	-535	SLU 47	-535	-5722	-40526	-18592	-18592	1	34.74	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	1823	SLV 5	1823	5722	40526	18592	18592	1	10.2	Si
0	0.153	6.03	0	-1306	SLV 11	-1306	-5722	-40526	-18592	-18592	1	14.24	Si
5	0.153	6.03	0	1808	SLV 5	1808	5722	40526	18592	18592	1	10.28	Si
5	0.153	6.03	0	-1321	SLV 11	-1321	-5722	-40526	-18592	-18592	1	14.08	Si
50	0.153	6.03	0	1659	SLV 5	1659	5722	40526	18592	18592	1	11.21	Si
50	0.153	6.03	0	-1958	SLV 11	-1958	-5722	-40526	-18592	-18592	1	9.5	Si
95	0.153	6.03	0	1524	SLV 5	1524	5722	40526	18592	18592	1	12.2	Si
95	0.153	6.03	0	-2093	SLV 11	-2093	-5722	-40526	-18592	-18592	1	8.88	Si
100	0.153	6.03	0	1509	SLV 5	1509	5722	40526	18592	18592	1	12.32	Si
100	0.153	6.03	0	-2108	SLV 11	-2108	-5722	-40526	-18592	-18592	1	8.82	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	874	SLD 5	874	5722	40526	18592	18592	1	21.27	Si
0	0.153	6.03	0	-357	SLD 11	-357	-5722	-40526	-18592	-18592	1	52.1	Si
5	0.153	6.03	0	859	SLD 5	859	5722	40526	18592	18592	1	21.64	Si
5	0.153	6.03	0	-372	SLD 11	-372	-5722	-40526	-18592	-18592	1	50	Si
50	0.153	6.03	0	562	SLD 5	562	5722	40526	18592	18592	1	33.07	Si
50	0.153	6.03	0	-861	SLD 11	-861	-5722	-40526	-18592	-18592	1	21.6	Si
95	0.153	6.03	0	427	SLD 5	427	5722	40526	18592	18592	1	43.52	Si
95	0.153	6.03	0	-996	SLD 11	-996	-5722	-40526	-18592	-18592	1	18.67	Si
100	0.153	6.03	0	412	SLD 5	412	5722	40526	18592	18592	1	45.1	Si
100	0.153	6.03	0	-1011	SLD 11	-1011	-5722	-40526	-18592	-18592	1	18.39	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	79908	8	79908	8.1	184.3	121	3600	61580	2	61580	6.2	138.2			Si
5	81384	8	85530	8.6	184.3	129.6	3600	62835	2	66288	6.7	138.2			Si
50	82052	9	90768	9.2	184.3	137.5	3600	63259	2	70382	7.1	138.2			Si
95	68876	9	74162	7.5	184.3	112.3	3600	53505	2	57597	5.8	138.2			Si
100	67037	9	67037	6.8	184.3	101.5	3600	52047	2	52047	5.3	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.014	0.01	0.011	0.008	0.011	0.01	0.009	0.008	0.011	0.01	0.022	2	0.021	2	9999	Si
5	0.014	0.01	0.011	0.008	0.012	0.01	0.009	0.008	0.011	0.01	0.023	2	0.021	2	9999	Si
27	0.014	0.01	0.012	0.008	0.012	0.01	0.01	0.008	0.011	0.01	0.023	2	0.022	2	9999	Si
50	0.014	0.01	0.011	0.008	0.011	0.01	0.009	0.008	0.011	0.01	0.023	2	0.021	2	9999	Si
95	0.01	0.008	0.008	0.006	0.009	0.008	0.007	0.006	0.008	0.008	0.017	2	0.016	2	9999	Si
100	0.01	0.007	0.008	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.016	2	0.015	2	9999	Si

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Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	101428	SLU 48	94456	760524	0.161	8.05							Si
5	6.03	5.5	6.03	5.5	87437	SLU 48	87437	760524	0.161	8.7							Si
34	6.03	5.5	6.03	5.5	14215	SLU 28	49766	760524	0.161	15.28	-1030	SLU 21	-45158	-760524	0.161	16.84	Si
66	6.03	5.5	6.03	5.5							-94258	SLU 47	-101283	-760524	0.161	7.51	Si
68	6.03	5.5	6.03	5.5							-101283	SLU 47	-101283	-760524	0.161	7.51	Si

Verifiche a flessione in famiglia SLV (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	292008	SLV 5	292008	724241	0.258	2.48	-177206	SLV 11	-177206	-724241	0.258	4.09	Si
5	6.03	5.5	6.03	5.5	301173	SLV 5	329719	724241	0.258	2.2	-201117	SLV 11	-276950	-724241	0.258	2.62	Si
34	6.03	5.5	6.03	5.5	353502	SLV 5	381053	724241	0.258	1.9	-341918	SLV 11	-419490	-724241	0.258	1.73	Si
66	6.03	5.5	6.03	5.5	408515	SLV 5	412342	724241	0.258	1.76	-499526	SLV 11	-510913	-724241	0.258	1.42	Si
68	6.03	5.5	6.03	5.5	412342	SLV 5	412342	724241	0.258	1.76	-510913	SLV 11	-510913	-724241	0.258	1.42	Si

Verifiche SLD Resistenza a flessione (domini sostanzialmente elastici)

La struttura oppure parte di essa, è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per tutte o solo alcune sezioni, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1
Le dilatazioni ultime utilizzate sono le seguenti: εc2= 0.002, εyd= 0.0019

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	coeff	M-ela	Comb.	M-des	M-ult	x/d	coeff	Verifica
0	6.03	5.5	6.03	5.5	149826	SLD 5	149340	724241	0.258	4.85	-35024	SLD 11	-35024	-724241	0.258	20.68	Si
5	6.03	5.5	6.03	5.5	148952	SLD 5	148952	724241	0.258	4.86	-48897	SLD 11	-93050	-724241	0.258	7.78	Si
34	6.03	5.5	6.03	5.5	142668	SLD 5	146341	724241	0.258	4.95	-131084	SLD 11	-176755	-724241	0.258	4.1	Si
66	6.03	5.5	6.03	5.5	133158	SLD 5	138221	724241	0.258	5.24	-224170	SLD 11	-230940	-724241	0.258	3.14	Si
68	6.03	5.5	6.03	5.5	132369	SLD 5	137534	724241	0.258	5.27	-230940	SLD 11	-230940	-724241	0.258	3.14	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-2838	SLU 47	-2838	-5722	-40526	-18592	-18592	1	6.55	Si
5	0.153	6.03	0	-2858	SLU 47	-2858	-5722	-40526	-18592	-18592	1	6.51	Si
34	0.153	6.03	0	-2971	SLU 47	-2971	-5722	-40526	-18592	-18592	1	6.26	Si
68	0.153	6.03	0	-3103	SLU 47	-3103	-5722	-40526	-18592	-18592	1	5.99	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	2169	SLV 1	2169	5722	40526	18592	18592	1	8.57	Si
0	0.153	6.03	0	-5102	SLV 15	-5102	-5722	-40526	-18592	-18592	1	3.64	Si
5	0.153	6.03	0	2154	SLV 1	2154	5722	40526	18592	18592	1	8.63	Si
5	0.153	6.03	0	-5117	SLV 15	-5117	-5722	-40526	-18592	-18592	1	3.63	Si
34	0.153	6.03	0	2067	SLV 1	2067	5722	40526	18592	18592	1	9	Si
34	0.153	6.03	0	-5204	SLV 15	-5204	-5722	-40526	-18592	-18592	1	3.57	Si
68	0.153	6.03	0	1965	SLV 1	1965	5722	40526	18592	18592	1	9.46	Si
68	0.153	6.03	0	-5306	SLV 15	-5306	-5722	-40526	-18592	-18592	1	3.5	Si

Verifiche SLD Resistenza a taglio

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	coeff	Verifica
0	0.153	6.03	0	-2891	SLD 15	-2891	-5722	-40526	-18592	-18592	1	6.43	Si
5	0.153	6.03	0	-2906	SLD 15	-2906	-5722	-40526	-18592	-18592	1	6.4	Si
34	0.153	6.03	0	-2993	SLD 15	-2993	-5722	-40526	-18592	-18592	1	6.21	Si
68	0.153	6.03	0	-3095	SLD 15	-3095	-5722	-40526	-18592	-18592	1	6.01	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	72656	9	67753	6.8	184.3	102.6	3600	57401	2	53732	5.4	138.2			Si
5	62813	9	62813	6.3	184.3	95.1	3600	50028	2	50028	5.1	138.2			Si
34	9164	2	36282	3.7	184.3	55	3600	6503	1	30061	3	138.2			Si
68	-70344	8	-70344	7.1	184.3	106.6	3600	-49285	2	-49285	5	138.2			Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.01	0.007	0.008	0.006	0.008	0.007	0.007	0.006	0.008	0.007	0.016	2	0.015	2	9999	Si
5	0.009	0.007	0.007	0.005	0.008	0.007	0.006	0.005	0.007	0.007	0.015	2	0.014	2	9999	Si

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
34	0.005	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.008	2	0.008	2	9999	Si

8.3 Verifiche pareti C.A.

Le unità di misura elencate nel capitolo sono in [cm, daN] ove non espressamente specificato.

***Descrizione breve**: nome sintetico assegnato al livello.*
***Descrizione**: nome assegnato al livello.*
***Quota**: quota superiore espressa nel sistema di riferimento assoluto. [cm]*
***Spessore**: spessore del livello. [cm]*
***Descrizione**: descrizione della sezione di verifica.*
***Dir.**: direzione della sezione di verifica.*
***Base**: base della sezione. [cm]*
***Altezza**: altezza della sezione. [cm]*
***As,sup**: area di acciaio efficace superiore. [cm²]*
***As,inf**: area di acciaio efficace inferiore. [cm²]*
***c,sup**: copriferro medio superiore. [cm]*
***c,inf**: copriferro medio inferiore. [cm]*
***Comb.**: combinazione di verifica.*
***MEd**: momento agente. [daN*cm]*
***NEd**: sforzo normale agente, positivo se di trazione. [daN]*
***MRd**: momento resistente. [daN*cm]*
***NRd**: sforzo normale resistente, positivo se di trazione. [daN]*
***c.s.**: coefficiente di sicurezza.*
***Verifica**: stato di verifica.*
***d**: altezza utile. [cm]*
***bw**: minima larghezza anima. [cm]*
***Armatura a taglio**: necessità di armatura a taglio.*
***Asw/s**: rapporto tra l'area dell'armatura trasversale e l'interasse tra due armature consecutive.*
***VEd**: taglio agente. [daN]*
***Vrd,c**: resistenza di calcolo a taglio per elementi privi di armature trasversali. [daN]*
***Vrcd**: valore resistente di calcolo a taglio compressione del calcestruzzo d'anima. [daN]*
***Vrsd**: valore resistente di calcolo a taglio trazione dell'armatura trasversale. [daN]*
***VRd**: resistenza a taglio. [daN]*
***cotg(θ)**: cotangente dell'angolo dei puntoni rispetto all'asse.*
***Asl**: area armatura longitudinale. [cm²]*
***Sezione fessurata**: sezione fessurata.*
***σc**: tensione del calcestruzzo. [daN/cm²]*
***σc limite**: tensione limite del calcestruzzo. [daN/cm²]*
***Es/Ec**: coefficiente di omogenizzazione.*
***σf**: tensione dell'armatura. [daN/cm²]*
***σf limite**: tensione limite dell'armatura. [daN/cm²]*
***Fessurazione non valutabile**: nessuna armatura presente nell'area di cls teso efficace.*
***εsm**: deformazione unitaria media delle barre d'armatura.*
***Δmax**: distanza massima tra le fessure. [cm]*
***Wd**: ampiezza delle fessure. [cm]*
***Wlim**: ampiezza fessure limite. [cm]*

Asc4 - 1

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Livelli significativi

Descrizione breve	Descrizione	Quota	Spessore
L1	fondo corsa	-220	40
L2	Fondazione	-140	60
L3	p.lo 1	200	20
L4	Piano 1	380	20
L5	p.lo 2	535	20
L6	Piano 2	690	20
L7	p.lo 3	845	20
L8	Piano 3	1000	20
L9	p.lo 4	1155	20
L10	Piano 4	1310	20
L11	p.lo 5	1465	20
L12	Piano 5	1620	20
L13	p.lo 6	1775	20
L14	Piano 6	1930	20
L15	p.lo 7	2085	20
L16	Piano 7	2240	20

Verifiche nei nodi

Sezioni rettangolari

Descrizione	Dir.	Base	Altezza	As,sup	As,inf	c,sup	c,inf
2954 Prosp.A	Orizzontale	91	20	10.18	10.18	4.65	4.65
7095 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
3748 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
12857 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
6204 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
21040 Prosp.A	Verticale	100	20	5.5	5.5	3.5	3.5
20817 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68

Descrizione	Dir.	Base	Altezza	As,sup	As,inf	c,sup	c,inf
2839 Prosp.A	Orizzontale	100	20	11.22	11.22	4.6	4.6

Verifiche a flessione SLU D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
2954 Prosp.A	Orizzontale	SLV 13	174368	28052	242860	39071	1.3928	Si
7095 Prosp.A	Orizzontale	SLV 15	71145	18569	99963	26091	1.4051	Si
3748 Prosp.A	Orizzontale	SLV 11	-7466	29423	-10711	42212	1.4347	Si
12857 Prosp.A	Orizzontale	SLV 13	125751	10244	184051	14993	1.4636	Si
6204 Prosp.A	Orizzontale	SLV 15	135242	8780	199192	12931	1.4729	Si

Verifiche a flessione SLD Resistenza D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
21040 Prosp.A	Verticale	SLD 1	-145692	-2303	-366169	-5788	2.5133	Si
2954 Prosp.A	Orizzontale	SLD 3	-322976	-65561	-868295	-176257	2.6884	Si
2954 Prosp.A	Orizzontale	SLD 7	266792	-11361	721530	-30726	2.7045	Si
20817 Prosp.A	Orizzontale	SLD 13	-131804	-3971	-360277	-10854	2.7334	Si
20817 Prosp.A	Orizzontale	SLD 13	112264	-1674	321571	-4796	2.8644	Si

Verifiche a taglio SLU D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
2704 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLU 2	-11989	-17328	-367882	12415	43656	0	12415	2.5	11.215	1.0355	Si
2839 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLU 2	-12056	-19863	-365714	12708	43959	0	12708	2.5	11.215	1.0541	Si
3604 Prosp.A	Verticale	16.5	100	Non necessaria	0	SLU 46	10583	-27572	-138712	12464	48086	0	12464	2.5	5.498	1.1777	Si
3604 Prosp.A	Orizzontale	15.4	91.4	Non necessaria	0	SLU 46	13947	-85449	2509	16796	47372	0	16796	2.5	10.155	1.2043	Si
2954 Prosp.A	Orizzontale	15.4	91	Non necessaria	0	SLU 46	13732	-77070	-688047	16744	46912	0	16744	2.5	10.179	1.2194	Si

Verifiche a taglio SLD Resistenza D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
2954 Prosp.A	Orizzontale	15.4	91	Non necessaria	0	SLD 15	4793	-2195	191072	9702	37992	0	9702	2.5	10.179	2.0241	Si
2839 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLD 15	5074	-12230	216037	11826	43047	0	11826	2.5	11.215	2.3309	Si
21038 Prosp.A	Orizzontale	15.1	81.4	Non necessaria	0	SLD 5	-3670	-2810	-83229	8671	33588	0	8671	2.5	9.048	2.363	Si
21036 Prosp.A	Orizzontale	15.1	50	Non necessaria	0	SLD 9	-2230	-2983	-76948	5490	20730	0	5490	2.5	5.655	2.462	Si
20817 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 13	-2207	-3971	-131804	5659	21154	0	5659	2.5	5.655	2.5636	Si

Verifiche SLE tensione calcestruzzo D.M. 17-01-18 §4.1.2.2.5.1

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σc	σc limite	Es/Ec	c.s.	Verifica
2954 Prosp.A	Orizzontale	SLE RA 7	-474549	-54389	Si	-121.6	184.3	15	1.5154	Si
2839 Prosp.A	Orizzontale	SLE RA 7	-399432	-36452	Si	-94.7	184.3	15	1.945	Si
2954 Prosp.A	Orizzontale	SLE QP 2	200871	-6125	Si	-54.9	138.2	15	2.5156	Si
2839 Prosp.A	Orizzontale	SLE QP 2	221140	-20699	Si	-52.3	138.2	15	2.6406	Si
2954 Prosp.A	Orizzontale	SLE QP 2	-182062	-39099	Si	-46.2	138.2	15	2.9911	Si

Verifiche SLE tensione acciaio D.M. 17-01-18 §4.1.2.2.5.2

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σf	σf limite	Es/Ec	c.s.	Verifica
2954 Prosp.A	Orizzontale	SLE RA 12	223817	-6843	Si	1313.2	3600	15	2.7415	Si
2839 Prosp.A	Orizzontale	SLE RA 3	-382707	-32704	Si	1133	3600	15	3.1775	Si
2954 Prosp.A	Orizzontale	SLE RA 2	-453480	-49727	Si	1051	3600	15	3.4253	Si
2839 Prosp.A	Orizzontale	SLE RA 12	246397	-23203	Si	648.2	3600	15	5.5535	Si
3748 Prosp.A	Orizzontale	SLE RA 1	-2574	-24471	No	-308.4	3600	15	11.6749	Si

Verifiche SLE fessurazione D.M. 17-01-18 §4.1.2.2.4

Descrizione	Dir.	Comb.	Fessurazione non valutabile	MEd	NEd	Sezione fessurata	εsm	Δmax	Wd	Wlim	Es/Ec	c.s.	Verifica
2954 Prosp.A	Orizzontale	SLE QP 2		200871	-6125	Si	0.00057	17.8	0.0102	0.03	15	2.9496	Si
2954 Prosp.A	Orizzontale	SLE FR 6		207051	-6324	Si	0.00059	17.8	0.0105	0.04	15	3.8176	Si
2839 Prosp.A	Orizzontale	SLE QP 2		221140	-20699	Si	0.00028	14.5	0.0041	0.03	15	7.2473	Si
2839 Prosp.A	Orizzontale	SLE FR 6		227964	-21388	Si	0.00029	14.5	0.0042	0.04	15	9.4119	Si
2839 Prosp.A	Orizzontale	SLE FR 2		-263573	-30543	Si	0.00024	13	0.0031	0.04	15	12.8075	Si

Verifiche generali

Asc 4 - 2

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Livelli significativi

Descrizione breve	Descrizione	Quota	Spessore
L1	fondo corsa	-220	40
L2	Fondazione	-140	60

Descrizione breve	Descrizione	Quota	Spessore
L3	p.lo 1	200	20
L4	Piano 1	380	20
L5	p.lo 2	535	20
L6	Piano 2	690	20
L7	p.lo 3	845	20
L8	Piano 3	1000	20
L9	p.lo 4	1155	20
L10	Piano 4	1310	20
L11	p.lo 5	1465	20
L12	Piano 5	1620	20
L13	p.lo 6	1775	20
L14	Piano 6	1930	20
L15	p.lo 7	2085	20
L16	Piano 7	2240	20

Verifiche nei nodi

Sezioni rettangolari

Descrizione	Dir.	Base	Altezza	As,sup	As,inf	c,sup	c,inf
3772 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
3649 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
3057 Prosp.A	Orizzontale	100	20	11.31	11.31	4.6	4.6
3651 Prosp.A	Orizzontale	100	20	11.31	11.31	4.6	4.6
3058 Prosp.A	Orizzontale	100	20	11.31	11.31	4.6	4.6

Verifiche a flessione SLU D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
3772 Prosp.A	Orizzontale	SLV 5	24409	28308	32769	38004	1.3425	Si
3649 Prosp.A	Orizzontale	SLV 9	22479	27724	31076	38327	1.3825	Si
3057 Prosp.A	Orizzontale	SLV 5	345697	10687	483663	14952	1.3991	Si
3651 Prosp.A	Orizzontale	SLV 5	41724	55339	58558	77667	1.4035	Si
3058 Prosp.A	Orizzontale	SLV 5	291105	17387	413537	24700	1.4206	Si

Verifiche a flessione SLD Resistenza D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
3057 Prosp.A	Orizzontale	SLD 5	267716	-3208	638250	-7647	2.3841	Si
3058 Prosp.A	Orizzontale	SLD 5	243725	48	586407	115	2.406	Si
3057 Prosp.A	Orizzontale	SLD 7	-303774	-57416	-971687	-183657	3.1987	Si
3058 Prosp.A	Orizzontale	SLD 11	-295285	-43982	-994438	-148120	3.3677	Si
3649 Prosp.A	Orizzontale	SLD 7	10649	-41353	47249	-183474	4.4368	Si

Verifiche a taglio SLU D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
3057 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLV 5	8721	10687	345697	10442	41586	0	10442	2.5	11.31	1.1974	Si
3058 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLU 46	8594	-608	-427650	10513	41658	0	10513	2.5	11.31	1.2233	Si
3611 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLU 46	8594	-17503	-836	12456	43677	0	12456	2.5	11.283	1.4493	Si
3610 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLU 46	9363	-52618	670	16512	47873	0	16512	2.5	11.283	1.7636	Si
3610 Prosp.A	Verticale	16.5	100	Non necessaria	0	SLU 46	-7426	-49952	-76059	15233	50951	0	15233	2.5	5.498	2.0514	Si

Verifiche a taglio SLD Resistenza D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
3057 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLD 5	5916	-3208	267716	10813	41969	0	10813	2.5	11.31	1.8278	Si
3058 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLD 5	5255	48	243725	10442	41586	0	10442	2.5	11.31	1.9872	Si
3611 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLD 11	4594	-52178	-54380	16461	47820	0	16461	2.5	11.283	3.5831	Si
3610 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLD 11	4544	-55245	-52906	16815	48186	0	16815	2.5	11.283	3.7009	Si
3610 Prosp.A	Verticale	16.5	100	Non necessaria	0	SLD 3	-2375	-10469	-54606	10347	45896	0	10347	2.5	5.498	4.357	Si

Verifiche SLE tensione calcestruzzo D.M. 17-01-18 §4.1.2.2.5.1

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σc	σc limite	Es/Ec	c.s.	Verifica
3057 Prosp.A	Orizzontale	SLE RA 7	-325047	-23404	Si	-78.2	184.3	15	2.3572	Si
3058 Prosp.A	Orizzontale	SLE RA 7	-300691	-1907	Si	-74.4	184.3	15	2.4782	Si
3057 Prosp.A	Orizzontale	SLE QP 2	228215	-12149	Si	-55.6	138.2	15	2.4855	Si
3058 Prosp.A	Orizzontale	SLE QP 2	218388	-11149	Si	-53.3	138.2	15	2.594	Si
3057 Prosp.A	Orizzontale	SLE RA 13	265295	-7091	Si	-65.4	184.3	15	2.8176	Si

Verifiche SLE tensione acciaio D.M. 17-01-18 §4.1.2.2.5.2

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σf	σf limite	Es/Ec	c.s.	Verifica
3058 Prosp.A	Orizzontale	SLE RA 7	-300691	-1907	Si	1909.6	3600	15	1.8852	Si
3058 Prosp.A	Orizzontale	SLE RA 7	226518	2180	Si	1607.4	3600	15	2.2396	Si
3057 Prosp.A	Orizzontale	SLE RA 7	257418	-2382	Si	1600.1	3600	15	2.2499	Si
3057 Prosp.A	Orizzontale	SLE RA 7	-325047	-23404	Si	1128.2	3600	15	3.1909	Si
3649 Prosp.A	Orizzontale	SLE RA 1	10547	-18768	No	-218.3	3600	15	16.4924	Si

Verifiche SLE fessurazione D.M. 17-01-18 §4.1.2.2.4

Descrizione	Dir.	Comb.	Fessurazione non valutabile	MEd	NEd	Sezione fessurata	εsm	Δmax	Wd	Wlim	Es/Ec	c.s.	Verifica
3057 Prosp.A	Orizzontale	SLE FR 4		231341	-6886	Si	0.00059	17.8	0.0105	0.04	15	3.7969	Si
3057 Prosp.A	Orizzontale	SLE QP 2		228215	-12149	Si	0.00047	16.7	0.0079	0.03	15	3.8026	Si
3058 Prosp.A	Orizzontale	SLE QP 2		218388	-11149	Si	0.00046	16.8	0.0078	0.03	15	3.8648	Si

Descrizione	Dir.	Comb.	Fessurazione non valutabile	MEd	NEd	Sezione fessurata	εsm	Δmax	Wd	Wlim	Es/Ec	c.s.	Verifica
3058 Prosp.A	Orizzontale	SLE FR 4		-236617	-9896	Si	0.00055	17.3	0.0094	0.04	15	4.2503	Si
3058 Prosp.A	Orizzontale	SLE FR 6		227071	-11441	Si	0.00048	16.9	0.0081	0.04	15	4.9145	Si

Verifiche generali

Asc 4 - 3

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Livelli significativi

Descrizione breve	Descrizione	Quota	Spessore
L1	fondo corsa	-220	40
L2	Fondazione	-140	60
L3	p.lo 1	200	20
L4	Piano 1	380	20
L5	p.lo 2	535	20
L6	Piano 2	690	20
L7	p.lo 3	845	20
L8	Piano 3	1000	20
L9	p.lo 4	1155	20
L10	Piano 4	1310	20
L11	p.lo 5	1465	20
L12	Piano 5	1620	20
L13	p.lo 6	1775	20
L14	Piano 6	1930	20
L15	p.lo 7	2085	20
L16	Piano 7	2240	20

Verifiche nei nodi

Sezioni rettangolari

Descrizione	Dir.	Base	Altezza	As,sup	As,inf	c,sup	c,inf
6784 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
6206 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
3692 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
10154 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
20614 Prosp.A	Orizzontale	100	20	11.31	11.31	4.6	4.6
20530 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
20556 Prosp.A	Orizzontale	70	20	7.92	7.92	4.66	4.66
20981 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
20983 Prosp.A	Verticale	100	20	4.71	4.71	3.5	3.5
3930 Prosp.A	Orizzontale	50	20	5.1	5.1	4.68	4.68

Verifiche a flessione SLU D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
6784 Prosp.A	Orizzontale	SLV 1	-185016	9456	-213729	10924	1.1552	Si
6206 Prosp.A	Orizzontale	SLV 7	-176718	10158	-206777	11886	1.1701	Si
3692 Prosp.A	Orizzontale	SLV 1	-31791	30975	-37984	37009	1.1948	Si
6784 Prosp.A	Orizzontale	SLV 1	179150	8000	221235	9879	1.2349	Si
10154 Prosp.A	Orizzontale	SLV 1	-189801	4639	-248192	6066	1.3076	Si

Verifiche a flessione SLD Resistenza D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
20614 Prosp.A	Orizzontale	SLD 1	275404	-6621	697516	-16768	2.5327	Si
20530 Prosp.A	Orizzontale	SLD 3	164280	-8093	419544	-20668	2.5538	Si
20556 Prosp.A	Orizzontale	SLD 3	218935	-9416	560713	-24116	2.5611	Si
20981 Prosp.A	Orizzontale	SLD 3	-71599	5582	-187075	14584	2.6128	Si
20983 Prosp.A	Verticale	SLD 3	-48207	7001	-127057	18453	2.6357	Si

Verifiche a taglio SLU D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
16628 Prosp.A	Verticale	16.5	100	Non necessaria	0	SLV 3	-6640	-1309	130957	9214	44724	0	9214	2.5	5.498	1.3877	Si
6784 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLV 1	3064	8000	179150	5203	20682	0	5203	2.5	5.655	1.698	Si
4034 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLV 1	3028	8065	2460	5203	20682	0	5203	2.5	5.655	1.7182	Si
13973 Prosp.A	Verticale	16.5	100	Non necessaria	0	SLV 3	-5350	-2175	102701	9321	44834	0	9321	2.5	5.498	1.7422	Si
10154 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLV 1	3478	-8060	221670	6129	21640	0	6129	2.5	5.655	1.7624	Si

Verifiche a taglio SLD Resistenza D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
16628 Prosp.A	Verticale	16.5	100	Non necessaria	0	SLD 3	-3149	-681	66576	9136	44643	0	9136	2.5	5.498	2.9017	Si
13973 Prosp.A	Verticale	16.5	100	Non necessaria	0	SLD 3	-2881	-1242	57719	9206	44715	0	9206	2.5	5.498	3.1954	Si
19427 Prosp.A	Verticale	16.5	100	Non necessaria	0	SLD 3	-2713	-1182	63751	9198	44707	0	9198	2.5	5.498	3.39	Si
19431 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 1	1688	-4584	34408	5729	21227	0	5729	2.5	5.655	3.3933	Si

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
20820 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 1	1692	-4986	127814	5775	21275	0	5775	2.5	5.655	3.4139	Si

Verifiche SLE tensione calcestruzzo D.M. 17-01-18 §4.1.2.2.5.1

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σc	σc limite	Es/Ec	c.s.	Verifica
20530 Prosp.A	Orizzontale	SLE QP 2	120592	-7041	Si	-59.2	138.2	15	2.3358	Si
20556 Prosp.A	Orizzontale	SLE QP 2	161517	-8269	Si	-56.7	138.2	15	2.4373	Si
20530 Prosp.A	Orizzontale	SLE RA 12	146691	-8474	Si	-72	184.3	15	2.5592	Si
20556 Prosp.A	Orizzontale	SLE RA 12	196045	-9900	Si	-68.9	184.3	15	2.6762	Si
20530 Prosp.A	Orizzontale	SLE QP 2	-86336	-1123	Si	-43.2	138.2	15	3.1985	Si

Verifiche SLE tensione acciaio D.M. 17-01-18 §4.1.2.2.5.2

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σf	σf limite	Es/Ec	c.s.	Verifica
20530 Prosp.A	Orizzontale	SLE RA 12	-105281	-1277	Si	1298.3	3600	15	2.7729	Si
20556 Prosp.A	Orizzontale	SLE RA 12	196045	-9900	Si	1237.1	3600	15	2.9101	Si
20530 Prosp.A	Orizzontale	SLE RA 12	146691	-8474	Si	1209.7	3600	15	2.9761	Si
20556 Prosp.A	Orizzontale	SLE RA 12	-142184	-2931	Si	1168.3	3600	15	3.0815	Si
3930 Prosp.A	Orizzontale	SLE RA 1	2712	-16724	No	-211.7	3600	15	17.0021	Si

Verifiche SLE fessurazione D.M. 17-01-18 §4.1.2.2.4

Descrizione	Dir.	Comb.	Fessurazione non valutabile	MEd	NEd	Sezione fessurata	εsm	Δmax	Wd	Wlim	Es/Ec	c.s.	Verifica
20556 Prosp.A	Orizzontale	SLE QP 2		161517	-8269	Si	0.00049	16.9	0.0083	0.03	15	3.6214	Si
20530 Prosp.A	Orizzontale	SLE QP 2		120592	-7041	Si	0.00048	16.5	0.0079	0.03	15	3.7844	Si
20530 Prosp.A	Orizzontale	SLE QP 2		-86336	-1123	Si	0.00031	24.2	0.0075	0.03	15	4.0185	Si
20556 Prosp.A	Orizzontale	SLE FR 6		170557	-8673	Si	0.00052	16.9	0.0088	0.04	15	4.5531	Si
20556 Prosp.A	Orizzontale	SLE QP 2		-116991	-2508	Si	0.00028	23.4	0.0065	0.03	15	4.6172	Si

Verifiche generali

Asc 4 - 4

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Livelli significativi

Descrizione breve	Descrizione	Quota	Spessore
L1	fondo corsa	-220	40
L2	Fondazione	-140	60

Verifiche nei nodi

Sezioni rettangolari

Descrizione	Dir.	Base	Altezza	As,sup	As,inf	c,sup	c,inf
2452 Prosp.A	Orizzontale	50	20	5.54	5.54	4.91	4.91
2449 Prosp.A	Orizzontale	50	20	5.54	5.54	4.91	4.91
2451 Prosp.A	Orizzontale	100	20	11.07	11.07	4.8	4.8
2450 Prosp.A	Orizzontale	100	20	11.07	11.07	4.8	4.8
2450 Prosp.A	Verticale	80	20	5.06	5.06	3.52	3.52

Verifiche a flessione SLU D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
2452 Prosp.A	Orizzontale	SLV 9	-130497	7081	-203222	11027	1.5573	Si
2449 Prosp.A	Orizzontale	SLV 1	-145578	2844	-246900	4823	1.696	Si
2451 Prosp.A	Orizzontale	SLV 9	-255432	-6647	-685312	-17833	2.6829	Si
2451 Prosp.A	Orizzontale	SLU 2	209225	2503	588383	7038	2.8122	Si
2450 Prosp.A	Orizzontale	SLV 5	-275387	-12965	-809395	-38105	2.9391	Si

Verifiche a flessione SLD Resistenza D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
2452 Prosp.A	Orizzontale	SLD 9	-92573	4769	-206142	10619	2.2268	Si
2449 Prosp.A	Orizzontale	SLD 5	-101980	3055	-232084	6952	2.2758	Si
2451 Prosp.A	Orizzontale	SLD 9	-191883	-7018	-743850	-27204	3.8766	Si
2450 Prosp.A	Orizzontale	SLD 5	-205954	-9938	-817175	-39432	3.9677	Si
2450 Prosp.A	Verticale	SLD 5	-15048	-160	-318586	-3396	21.1716	Si

Verifiche a taglio SLU D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
2451 Prosp.A	Orizzontale	15.2	100	Non necessaria	0	SLU 3	5873	2409	209649	10279	41046	0	10279	2.5	11.071	1.7502	Si
2452 Prosp.A	Orizzontale	15.1	50	Non necessaria	0	SLV 15	-2651	1815	-119210	5115	20380	0	5115	2.5	5.536	1.9293	Si
2449 Prosp.A	Orizzontale	15.1	50	Non necessaria	0	SLV 3	-2646	2685	-130850	5115	20380	0	5115	2.5	5.536	1.9335	Si
2450 Prosp.A	Orizzontale	15.2	100	Non necessaria	0	SLU 3	5048	2671	165809	10279	41046	0	10279	2.5	11.071	2.0363	Si
2450 Prosp.A	Verticale	16.5	80	Non necessaria	0	SLU 15	1969	-38163	29109	11948	40475	0	11948	2.5	5.058	6.0685	Si

Verifiche a taglio SLD Resistenza D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
2449 Prosp.A	Orizzontale	15.1	50	Non necessaria	0	SLD 3	-1863	2790	-94412	5115	20380	0	5115	2.5	5.536	2.7454	Si
2452 Prosp.A	Orizzontale	15.1	50	Non necessaria	0	SLD 15	-1746	2523	-83073	5115	20380	0	5115	2.5	5.536	2.9292	Si
2450 Prosp.A	Orizzontale	15.2	100	Non necessaria	0	SLD 7	-3590	-6911	-124917	11066	41861	0	11066	2.5	11.071	3.0825	Si
2451 Prosp.A	Orizzontale	15.2	100	Non necessaria	0	SLD 11	-3459	-8003	-117162	11191	41989	0	11191	2.5	11.071	3.2354	Si
2451 Prosp.A	Verticale	16.5	80	Non necessaria	0	SLD 1	357	-732	-11543	7322	35690	0	7322	2.5	5.058	20.49	Si

Verifiche SLE tensione calcestruzzo D.M. 17-01-18 §4.1.2.2.5.1

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σc	σc limite	Es/Ec	c.s.	Verifica
2450 Prosp.A	Orizzontale	SLE QP 2	-151209	-8031	No	-23.4	138.2	15	5.8976	Si
2451 Prosp.A	Orizzontale	SLE QP 2	-143354	-7405	No	-22.1	138.2	15	6.246	Si
2450 Prosp.A	Orizzontale	SLE RA 12	-159936	-9162	No	-25.1	184.3	15	7.3495	Si
2451 Prosp.A	Orizzontale	SLE RA 10	-150939	-8508	No	-23.6	184.3	15	7.8073	Si
2449 Prosp.A	Orizzontale	SLE QP 2	-72491	2847	No	-16.8	138.2	15	8.2202	Si

Verifiche SLE tensione acciaio D.M. 17-01-18 §4.1.2.2.5.2

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σf	σf limite	Es/Ec	c.s.	Verifica
2449 Prosp.A	Orizzontale	SLE RA 10	-77433	3022	No	199.3	3600	15	18.0639	Si
2452 Prosp.A	Orizzontale	SLE RA 10	-68460	3025	No	180.7	3600	15	19.9188	Si
2450 Prosp.A	Orizzontale	SLE RA 10	-160137	-9094	No	106.6	3600	15	33.7627	Si
2451 Prosp.A	Orizzontale	SLE RA 10	-150939	-8508	No	100.9	3600	15	35.6749	Si
2451 Prosp.A	Orizzontale	SLE RA 2	90053	-840	No	87.4	3600	15	41.1665	Si

Verifiche generali

Asc 5 - 1

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Livelli significativi

Descrizione breve	Descrizione	Quota	Spessore
L1	fondo corsa	-220	40
L2	Fondazione	-140	60
L3	p.lo 1	200	20
L4	Piano 1	380	20
L5	p.lo 2	535	20
L6	Piano 2	690	20
L7	p.lo 3	845	20
L8	Piano 3	1000	20
L9	p.lo 4	1155	20
L10	Piano 4	1310	20
L11	p.lo 5	1465	20
L12	Piano 5	1620	20

Verifiche nei nodi

Sezioni rettangolari

Descrizione	Dir.	Base	Altezza	As,sup	As,inf	c,sup	c,inf
3776 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
3613 Prosp.A	Orizzontale	50	20	5.64	5.64	4.68	4.68
3816 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
3060 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
3062 Prosp.A	Orizzontale	100	20	11.31	11.31	4.6	4.6
3061 Prosp.A	Orizzontale	100	20	11.31	11.31	4.6	4.6

Verifiche a flessione SLU D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
3776 Prosp.A	Orizzontale	SLV 1	18501	29511	24781	39528	1.3394	Si
3613 Prosp.A	Orizzontale	SLV 9	9753	28160	14344	41414	1.4707	Si
3816 Prosp.A	Orizzontale	SLV 1	19152	26053	28533	38813	1.4898	Si
3060 Prosp.A	Orizzontale	SLV 9	28210	24040	42434	36161	1.5042	Si
3062 Prosp.A	Orizzontale	SLV 5	67453	40809	112012	67768	1.6606	Si

Verifiche a flessione SLD Resistenza D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
3060 Prosp.A	Orizzontale	SLD 5	87769	3374	228947	8800	2.6085	Si
3062 Prosp.A	Orizzontale	SLD 5	174142	1060	563838	3432	3.2378	Si
3061 Prosp.A	Orizzontale	SLD 5	188129	-1037	609768	-3362	3.2412	Si
3060 Prosp.A	Orizzontale	SLD 7	-101507	-33801	-392505	-130701	3.8668	Si
3776 Prosp.A	Orizzontale	SLD 1	10146	7860	45839	35511	4.5179	Si

Verifiche a taglio SLU D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
3061 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLU 46	7462	53	-355318	10442	41586	0	10442	2.5	11.31	1.3994	Si
3062 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLU 46	7713	-5329	-364236	11058	42222	0	11058	2.5	11.31	1.4337	Si

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
3614 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLU 46	7462	-16828	16929	12378	43596	0	12378	2.5	11.283	1.6587	Si
3060 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLV 1	3262	-2694	144431	5512	21002	0	5512	2.5	5.655	1.6898	Si
3615 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLU 46	7713	-23288	18515	13124	44368	0	13124	2.5	11.283	1.7016	Si

Verifiche a taglio SLD Resistenza D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
3061 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLD 5	4164	-1037	188129	10562	41710	0	10562	2.5	11.31	2.5367	Si
3060 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 1	2047	367	96303	5203	20682	0	5203	2.5	5.655	2.5413	Si
3062 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLD 5	3804	1060	174142	10442	41586	0	10442	2.5	11.31	2.7451	Si
3615 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLD 11	3165	-38717	-38957	14906	46212	0	14906	2.5	11.283	4.7098	Si
3613 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 7	1951	-37542	-5584	9197	25144	0	9197	2.5	5.641	4.7152	Si

Verifiche SLE tensione calcestruzzo D.M. 17-01-18 §4.1.2.2.5.1

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σc	σc limite	Es/Ec	c.s.	Verifica
3062 Prosp.A	Orizzontale	SLE RA 7	-253135	-4511	Si	-62.5	184.3	15	2.9471	Si
3061 Prosp.A	Orizzontale	SLE RA 7	-247452	-1295	Si	-61.2	184.3	15	3.0113	Si
3061 Prosp.A	Orizzontale	SLE QP 2	154087	-7410	Si	-37.7	138.2	15	3.6705	Si
3062 Prosp.A	Orizzontale	SLE QP 2	149791	-6933	Si	-36.6	138.2	15	3.7722	Si
3062 Prosp.A	Orizzontale	SLE RA 13	179356	-581	Si	-44.4	184.3	15	4.1546	Si

Verifiche SLE tensione acciaio D.M. 17-01-18 §4.1.2.2.5.2

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σf	σf limite	Es/Ec	c.s.	Verifica
3061 Prosp.A	Orizzontale	SLE RA 3	-233297	1042	Si	1599	3600	15	2.2514	Si
3062 Prosp.A	Orizzontale	SLE RA 7	-253135	-4511	Si	1473.9	3600	15	2.4425	Si
3061 Prosp.A	Orizzontale	SLE RA 7	171589	6732	Si	1459.4	3600	15	2.4667	Si
3062 Prosp.A	Orizzontale	SLE RA 7	178765	4274	Si	1389.4	3600	15	2.591	Si
3060 Prosp.A	Orizzontale	SLE RA 7	82182	5466	No	244.7	3600	15	14.7146	Si

Verifiche SLE fessurazione D.M. 17-01-18 §4.1.2.2.4

Descrizione	Dir.	Comb.	Fessurazione non valutabile	MEd	NEd	Sezione fessurata	εsm	Δmax	Wd	Wlim	Es/Ec	c.s.	Verifica
3061 Prosp.A	Orizzontale	SLE QP 2		154087	-7410	Si	0.00033	17	0.0057	0.03	15	5.2788	Si
3062 Prosp.A	Orizzontale	SLE QP 2		149791	-6933	Si	0.00033	17.1	0.0056	0.03	15	5.3114	Si
3062 Prosp.A	Orizzontale	SLE FR 4		-182003	-7873	Si	0.00041	17.2	0.0071	0.04	15	5.6199	Si
3061 Prosp.A	Orizzontale	SLE FR 4		155871	-137	Si	0.0003	22.3	0.0067	0.04	15	5.9836	Si
3061 Prosp.A	Orizzontale	SLE FR 2		-174757	-7920	Si	0.00039	17.1	0.0067	0.04	15	5.9996	Si

Verifiche generali

Asc 5 - 1

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Livelli significativi

Descrizione breve	Descrizione	Quota	Spessore
L1	fondo corsa	-220	40
L2	Fondazione	-140	60
L3	p.lo 1	200	20
L4	Piano 1	380	20
L5	p.lo 2	535	20
L6	Piano 2	690	20
L7	p.lo 3	845	20
L8	Piano 3	1000	20
L9	p.lo 4	1155	20
L10	Piano 4	1310	20
L11	p.lo 5	1465	20
L12	Piano 5	1620	20

Verifiche nei nodi

Sezioni rettangolari

Descrizione	Dir.	Base	Altezza	As,sup	As,inf	c,sup	c,inf
3598 Prosp.A	Orizzontale	100	20	11.28	11.28	4.6	4.6
6208 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
7097 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
3638 Prosp.A	Orizzontale	100	20	11.31	11.31	4.6	4.6
6785 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
16815 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
17265 Prosp.A	Verticale	100	20	5.5	5.5	3.5	3.5
17263 Prosp.A	Verticale	100	20	5.5	5.5	3.5	3.5
16199 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
6616 Prosp.A	Orizzontale	96.25	20	11.31	11.31	4.64	4.64
10155 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
3790 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
3830 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68

Descrizione	Dir.	Base	Altezza	As,sup	As,inf	c,sup	c,inf
3931 Prosp.A	Orizzontale	50	20	5.1	5.1	4.68	4.68
3834 Prosp.A	Orizzontale	87.47	20	10.18	10.18	4.65	4.65
3718 Prosp.A	Orizzontale	100	20	11.31	11.31	4.6	4.6

Verifiche a flessione SLU D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
3598 Prosp.A	Orizzontale	SLV 15	97042	55962	115902	66838	1.1944	Si
6208 Prosp.A	Orizzontale	SLV 15	147289	11319	188052	14452	1.2768	Si
7097 Prosp.A	Orizzontale	SLV 15	75055	20538	96852	26503	1.2904	Si
3638 Prosp.A	Orizzontale	SLV 15	68751	55854	88724	72081	1.2905	Si
6785 Prosp.A	Orizzontale	SLV 13	172981	6833	227585	8990	1.3157	Si

Verifiche a flessione SLD Resistenza D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
16815 Prosp.A	Orizzontale	SLD 15	97120	2228	250449	5746	2.5788	Si
17265 Prosp.A	Verticale	SLD 11	-126127	-1674	-358394	-4756	2.8415	Si
16815 Prosp.A	Orizzontale	SLD 15	-120959	-3897	-366161	-11798	3.0272	Si
17263 Prosp.A	Verticale	SLD 15	-114295	-1109	-347954	-3375	3.0444	Si
16199 Prosp.A	Orizzontale	SLD 15	122842	-5097	393990	-16347	3.2073	Si

Verifiche a taglio SLU D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
3613 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLU 2	5945	-12564	75698	6642	22175	0	6642	2.5	5.641	1.1173	Si
3606 Prosp.A	Orizzontale	15.4	91.4	Non necessaria	0	SLU 3	8497	-15604	66263	11266	39757	0	11266	2.5	10.155	1.3259	Si
17263 Prosp.A	Orizzontale	15.1	81.2	Non necessaria	0	SLV 15	-7230	-11058	-224062	9595	34482	0	9595	2.5	9.048	1.327	Si
3606 Prosp.A	Verticale	16.5	100	Non necessaria	0	SLU 46	8219	-19634	-98014	11482	47070	0	11482	2.5	5.498	1.397	Si
17265 Prosp.A	Verticale	16.5	100	Non necessaria	0	SLV 15	6296	-1988	-37576	9298	44810	0	9298	2.5	5.498	1.4769	Si

Verifiche a taglio SLD Resistenza D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
17263 Prosp.A	Orizzontale	15.1	81.2	Non necessaria	0	SLD 15	-4294	-7181	-131241	9155	34026	0	9155	2.5	9.048	2.1319	Si
17259 Prosp.A	Orizzontale	15.1	50	Non necessaria	0	SLD 15	-2583	-9998	-100108	6284	21551	0	6284	2.5	5.655	2.4331	Si
16815 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 15	-2013	-3897	-120959	5650	21145	0	5650	2.5	5.655	2.8068	Si
17265 Prosp.A	Orizzontale	15.2	100	Non necessaria	0	SLD 15	-3739	-1391	-116675	10510	41209	0	10510	2.5	11.31	2.811	Si
7121 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 13	-1832	-1040	7514	5322	20806	0	5322	2.5	5.655	2.9054	Si

Verifiche SLE tensione calcestruzzo D.M. 17-01-18 §4.1.2.2.5.1

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σc	σc limite	Es/Ec	c.s.	Verifica
6785 Prosp.A	Orizzontale	SLE RA 7	-117119	-18446	No	-46.5	184.3	15	3.9641	Si
6616 Prosp.A	Orizzontale	SLE RA 7	-184035	-34948	No	-40.3	184.3	15	4.5686	Si
6785 Prosp.A	Orizzontale	SLE QP 2	-64071	-11819	No	-26.9	138.2	15	5.1364	Si
6785 Prosp.A	Orizzontale	SLE QP 2	64473	-10191	No	-25.6	138.2	15	5.3942	Si
10155 Prosp.A	Orizzontale	SLE QP 2	-66768	-9152	No	-25.3	138.2	15	5.4553	Si

Verifiche SLE tensione acciaio D.M. 17-01-18 §4.1.2.2.5.2

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σf	σf limite	Es/Ec	c.s.	Verifica
3790 Prosp.A	Orizzontale	SLE RA 1	-2143	-17644	No	-221.7	3600	15	16.2366	Si
3830 Prosp.A	Orizzontale	SLE RA 1	-4306	-17465	No	-214.8	3600	15	16.757	Si
3931 Prosp.A	Orizzontale	SLE RA 1	-8263	-17489	No	-209.8	3600	15	17.1633	Si
3834 Prosp.A	Orizzontale	SLE RA 1	-6659	-29550	No	-207.7	3600	15	17.3354	Si
3718 Prosp.A	Orizzontale	SLE RA 1	-3998	-32663	No	-205.2	3600	15	17.5429	Si

Verifiche generali

Asc 5 - 3

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Livelli significativi

Descrizione breve	Descrizione	Quota	Spessore
L1	fondo corsa	-220	40
L2	Fondazione	-140	60
L3	p.lo 1	200	20
L4	Piano 1	380	20
L5	p.lo 2	535	20
L6	Piano 2	690	20
L7	p.lo 3	845	20
L8	Piano 3	1000	20
L9	p.lo 4	1155	20
L10	Piano 4	1310	20
L11	p.lo 5	1465	20
L12	Piano 5	1620	20

Verifiche nei nodi

Sezioni rettangolari

Descrizione	Dir.	Base	Altezza	As,sup	As,inf	c,sup	c,inf
3696 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
6618 Prosp.A	Orizzontale	96.25	20	11.31	11.31	4.64	4.64
10159 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
3736 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
3687 Prosp.A	Orizzontale	92.21	20	10.18	10.18	4.65	4.65
16201 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
6210 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
12863 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
9985 Prosp.A	Orizzontale	96.25	20	11.31	11.31	4.64	4.64
16255 Prosp.A	Orizzontale	70	20	7.92	7.92	4.66	4.66
9567 Prosp.A	Orizzontale	50	20	5.65	5.65	4.68	4.68
16372 Prosp.A	Orizzontale	100	20	11.31	11.31	4.6	4.6

Verifiche a flessione SLU D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
3696 Prosp.A	Orizzontale	SLV 1	-27882	36073	-29811	38569	1.0692	Si
6618 Prosp.A	Orizzontale	SLV 1	-364723	22032	-409027	24708	1.1215	Si
10159 Prosp.A	Orizzontale	SLV 1	-204840	6512	-237734	7558	1.1606	Si
3736 Prosp.A	Orizzontale	SLV 1	-28837	32271	-33787	37810	1.1717	Si
3687 Prosp.A	Orizzontale	SLV 1	-44528	56778	-54437	69413	1.2225	Si

Verifiche a flessione SLD Resistenza D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
10159 Prosp.A	Orizzontale	SLD 1	-101517	605	-278574	1660	2.7441	Si
16201 Prosp.A	Orizzontale	SLD 3	-109393	-1248	-313574	-3577	2.8665	Si
6210 Prosp.A	Orizzontale	SLD 7	-104400	-846	-306351	-2481	2.9344	Si
12863 Prosp.A	Orizzontale	SLD 3	-112073	-2153	-331805	-6373	2.9606	Si
9985 Prosp.A	Orizzontale	SLD 1	-191634	-564	-592924	-1746	3.094	Si

Verifiche a taglio SLU D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
10159 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLV 1	3415	-3434	220767	5597	21090	0	5597	2.5	5.655	1.6391	Si
7345 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLV 1	3398	-3348	10792	5587	21080	0	5587	2.5	5.655	1.6441	Si
4038 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLV 1	3124	12497	5920	5203	20682	0	5203	2.5	5.655	1.6655	Si
10487 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLV 1	3035	6602	-15125	5203	20682	0	5203	2.5	5.655	1.7141	Si
3603 Prosp.A	Orizzontale	15.4	100	Non necessaria	0	SLU 29	-7078	-17233	86390	12306	43645	0	12306	2.5	10.902	1.7385	Si

Verifiche a taglio SLD Resistenza D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
13763 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 1	1525	-2062	-8078	5440	20927	0	5440	2.5	5.655	3.5677	Si
10159 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 1	1446	605	-101517	5203	20682	0	5203	2.5	5.655	3.5973	Si
10487 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 1	1438	559	-15828	5203	20682	0	5203	2.5	5.655	3.6182	Si
7345 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 1	1553	-4025	8250	5665	21160	0	5665	2.5	5.655	3.6471	Si
4038 Prosp.A	Orizzontale	15.3	50	Non necessaria	0	SLD 1	1414	1607	3972	5203	20682	0	5203	2.5	5.655	3.6804	Si

Verifiche SLE tensione calcestruzzo D.M. 17-01-18 §4.1.2.2.5.1

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σc	σc limite	Es/Ec	c.s.	Verifica
16201 Prosp.A	Orizzontale	SLE QP 2	98518	-6020	No	-31	138.2	15	4.4607	Si
16255 Prosp.A	Orizzontale	SLE QP 2	130765	-7058	No	-28.8	138.2	15	4.8024	Si
16201 Prosp.A	Orizzontale	SLE RA 13	121636	-7338	No	-38.2	184.3	15	4.8274	Si
9567 Prosp.A	Orizzontale	SLE QP 2	70594	-9862	No	-26.9	138.2	15	5.1292	Si
6210 Prosp.A	Orizzontale	SLE QP 2	-72638	-8915	No	-26.7	138.2	15	5.1818	Si

Verifiche SLE tensione acciaio D.M. 17-01-18 §4.1.2.2.5.2

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σf	σf limite	Es/Ec	c.s.	Verifica
16201 Prosp.A	Orizzontale	SLE RA 13	-92311	-1194	No	180.8	3600	15	19.9163	Si
16255 Prosp.A	Orizzontale	SLE RA 13	161326	-8560	No	166.1	3600	15	21.6767	Si
16372 Prosp.A	Orizzontale	SLE RA 13	195067	-6457	No	165	3600	15	21.8211	Si
16201 Prosp.A	Orizzontale	SLE RA 13	121636	-7338	No	164.2	3600	15	21.9182	Si
16255 Prosp.A	Orizzontale	SLE RA 13	-122972	-2521	No	163.3	3600	15	22.0489	Si

Verifiche generali

Asc 5 - 4

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Livelli significativi

Descrizione breve	Descrizione	Quota	Spessore
L1	fondo corsa	-220	40
L2	Fondazione	-140	60

Verifiche nei nodi

Sezioni rettangolari

Descrizione	Dir.	Base	Altezza	As,sup	As,inf	c,sup	c,inf
2456 Prosp.A	Orizzontale	50	20	5.54	5.54	4.91	4.91
2453 Prosp.A	Orizzontale	50	20	5.54	5.54	4.91	4.91
2454 Prosp.A	Orizzontale	100	20	11.07	11.07	4.8	4.8
2455 Prosp.A	Orizzontale	100	20	11.07	11.07	4.8	4.8
2455 Prosp.A	Verticale	80	20	5.06	5.06	3.52	3.52
2454 Prosp.A	Verticale	80	20	5.06	5.06	3.52	3.52

Verifiche a flessione SLU D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
2456 Prosp.A	Orizzontale	SLV 9	-99039	6036	-196417	11970	1.9832	Si
2453 Prosp.A	Orizzontale	SLV 1	-125668	1732	-255821	3525	2.0357	Si
2454 Prosp.A	Orizzontale	SLU 2	236958	5524	554438	12925	2.3398	Si
2455 Prosp.A	Orizzontale	SLU 2	216011	6590	534844	16316	2.476	Si
2455 Prosp.A	Orizzontale	SLV 5	-182356	-3754	-657848	-13544	3.6075	Si

Verifiche a flessione SLD Resistenza D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
2456 Prosp.A	Orizzontale	SLD 9	-67096	3885	-199452	11548	2.9726	Si
2453 Prosp.A	Orizzontale	SLD 1	-77495	1559	-246020	4949	3.1747	Si
2455 Prosp.A	Orizzontale	SLD 5	-132366	-4268	-718926	-23181	5.4314	Si
2454 Prosp.A	Orizzontale	SLD 1	-146615	-7704	-846443	-44478	5.7733	Si
2455 Prosp.A	Verticale	SLD 1	-19684	127	-279411	1802	14.1946	Si

Verifiche a taglio SLU D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
2454 Prosp.A	Orizzontale	15.2	100	Non necessaria	0	SLU 3	6215	5365	237644	10279	41046	0	10279	2.5	11.071	1.6539	Si
2455 Prosp.A	Orizzontale	15.2	100	Non necessaria	0	SLU 3	5810	6466	216526	10279	41046	0	10279	2.5	11.071	1.7691	Si
2453 Prosp.A	Orizzontale	15.1	50	Non necessaria	0	SLV 1	-2251	1732	-125668	5115	20380	0	5115	2.5	5.536	2.2729	Si
2456 Prosp.A	Orizzontale	15.1	50	Non necessaria	0	SLV 15	-2080	1140	-90088	5115	20380	0	5115	2.5	5.536	2.4595	Si
2454 Prosp.A	Verticale	16.5	80	Non necessaria	0	SLU 15	2084	-41070	25967	12307	40847	0	12307	2.5	5.058	5.906	Si

Verifiche a taglio SLD Resistenza D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
2453 Prosp.A	Orizzontale	15.1	50	Non necessaria	0	SLD 1	-1409	1559	-77495	5115	20380	0	5115	2.5	5.536	3.6296	Si
2456 Prosp.A	Orizzontale	15.1	50	Non necessaria	0	SLD 15	-1306	1944	-62142	5115	20380	0	5115	2.5	5.536	3.9158	Si
2454 Prosp.A	Orizzontale	15.2	100	Non necessaria	0	SLD 1	-2405	-7704	-146615	11157	41954	0	11157	2.5	11.071	4.6383	Si
2455 Prosp.A	Orizzontale	15.2	100	Non necessaria	0	SLD 15	-2304	-4883	-111825	10835	41621	0	10835	2.5	11.071	4.7024	Si
2455 Prosp.A	Verticale	16.5	80	Non necessaria	0	SLD 1	518	127	-19684	7232	35596	0	7232	2.5	5.058	13.968	Si

Verifiche SLE tensione calcestruzzo D.M. 17-01-18 §4.1.2.2.5.1

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σc	σc limite	Es/Ec	c.s.	Verifica
2454 Prosp.A	Verticale	SLE RA 3	33806	-27387	No	-21.3	184.3	15	8.652	Si
2454 Prosp.A	Orizzontale	SLE QP 2	-101235	-5680	No	-15.8	138.2	15	8.7365	Si
2455 Prosp.A	Verticale	SLE RA 7	32140	-27420	No	-21	184.3	15	8.7589	Si
2455 Prosp.A	Orizzontale	SLE QP 2	-99630	-4625	No	-15.2	138.2	15	9.1197	Si
2454 Prosp.A	Orizzontale	SLE RA 10	-107159	-6280	No	-16.9	184.3	15	10.9298	Si

Verifiche SLE tensione acciaio D.M. 17-01-18 §4.1.2.2.5.2

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σf	σf limite	Es/Ec	c.s.	Verifica
2454 Prosp.A	Orizzontale	SLE RA 2	122702	1703	No	137.5	3600	15	26.1873	Si
2456 Prosp.A	Orizzontale	SLE RA 10	-48831	2573	No	134.3	3600	15	26.8142	Si
2455 Prosp.A	Orizzontale	SLE RA 2	110270	2815	No	131.8	3600	15	27.3124	Si
2453 Prosp.A	Orizzontale	SLE RA 10	-50949	1494	No	124.8	3600	15	28.8545	Si
2455 Prosp.A	Orizzontale	SLE RA 10	-105126	-5147	No	75.3	3600	15	47.8147	Si

Verifiche generali

Setto S4

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Livelli significativi

Descrizione breve	Descrizione	Quota	Spessore
L2	Fondazione	-140	60
L3	p.lo 1	200	20
L4	Piano 1	380	20
L5	p.lo 2	535	20
L6	Piano 2	690	20
L7	p.lo 3	845	20
L8	Piano 3	1000	20
L9	p.lo 4	1155	20

Descrizione breve	Descrizione	Quota	Spessore
L10	Piano 4	1310	20

Verifiche nei nodi

Sezioni rettangolari

Descrizione	Dir.	Base	Altezza	As,sup	As,inf	c,sup	c,inf
3608 Prosp.A	Orizzontale	50	30	9.69	7.68	6.99	4.89
3619 Prosp.A	Orizzontale	93.77	30	14.07	12.06	6.31	4.86
3780 Prosp.A	Orizzontale	50	30	9.69	7.68	6.99	4.89
6638 Prosp.A	Orizzontale	50	30	9.69	7.68	6.99	4.89
13282 Prosp.A	Orizzontale	50	30	9.69	7.68	6.99	4.89
13421 Prosp.A	Orizzontale	78.41	30	12.06	10.05	6.56	4.87
9999 Prosp.A	Orizzontale	50	30	9.69	7.68	6.99	4.89

Verifiche a flessione SLU D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
3608 Prosp.A	Orizzontale	SLV 7	-97543	45331	-117611	54657	1.2057	Si
3619 Prosp.A	Orizzontale	SLV 13	-488529	31149	-630485	40200	1.2906	Si
3780 Prosp.A	Orizzontale	SLV 9	46174	43780	64026	60706	1.3866	Si
3619 Prosp.A	Orizzontale	SLV 5	253790	46456	352113	64455	1.3874	Si
6638 Prosp.A	Orizzontale	SLV 11	-544514	-4962	-762698	-6950	1.4007	Si

Verifiche a flessione SLD Resistenza D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
13282 Prosp.A	Orizzontale	SLD 15	-398158	-5819	-811392	-11859	2.0379	Si
13421 Prosp.A	Orizzontale	SLD 15	-509597	-9875	-1137736	-22048	2.2326	Si
6638 Prosp.A	Orizzontale	SLD 11	-402462	-12199	-980081	-29707	2.4352	Si
9999 Prosp.A	Orizzontale	SLD 11	-369110	-11549	-992228	-31046	2.6882	Si
9999 Prosp.A	Orizzontale	SLD 15	406946	-18136	1174527	-52344	2.8862	Si

Verifiche a taglio SLU D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
13975 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLV 15	6606	-9677	324476	8792	35157	0	8792	2.5	7.675	1.331	Si
7115 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLV 11	5894	12927	-133077	8674	33900	0	8674	2.5	11.513	1.4718	Si
10478 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLV 11	5869	7104	-111944	8674	33900	0	8674	2.5	11.513	1.4778	Si
13754 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLV 11	5854	324	-171152	8674	33900	0	8674	2.5	11.513	1.4817	Si
7336 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLV 15	6169	-22482	165238	10400	36820	0	10400	2.5	7.675	1.6858	Si

Verifiche a taglio SLD Resistenza D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
13975 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLD 15	4796	-10008	236407	8834	35200	0	8834	2.5	7.675	1.8419	Si
13754 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLD 15	4382	-308	-136478	8713	33940	0	8713	2.5	11.513	1.9885	Si
7115 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLD 11	4199	3402	-97984	8674	33900	0	8674	2.5	11.513	2.0658	Si
10478 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLD 11	4148	4900	-77017	8674	33900	0	8674	2.5	11.513	2.0914	Si
7336 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLD 15	4346	-20024	98441	10091	36501	0	10091	2.5	7.675	2.3222	Si

Verifiche SLE tensione calcestruzzo D.M. 17-01-18 §4.1.2.2.5.1

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σc	σc limite	Es/Ec	c.s.	Verifica
9999 Prosp.A	Orizzontale	SLE QP 2	305003	-13995	Si	-58	138.2	15	2.3844	Si
13282 Prosp.A	Orizzontale	SLE QP 2	-304249	-4976	Si	-57.5	138.2	15	2.4016	Si
9999 Prosp.A	Orizzontale	SLE QP 2	-278485	-9132	Si	-53	138.2	15	2.6084	Si
13282 Prosp.A	Orizzontale	SLE RA 10	-356090	-6184	Si	-67.4	184.3	15	2.7343	Si
13282 Prosp.A	Orizzontale	SLE QP 2	264412	-10885	Si	-50.3	138.2	15	2.7478	Si

Verifiche SLE tensione acciaio D.M. 17-01-18 §4.1.2.2.5.2

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σf	σf limite	Es/Ec	c.s.	Verifica
13282 Prosp.A	Orizzontale	SLE RA 11	-355823	-5889	Si	1665.3	3600	15	2.1618	Si
9999 Prosp.A	Orizzontale	SLE RA 11	-319452	-10245	Si	1215.9	3600	15	2.9609	Si
9999 Prosp.A	Orizzontale	SLE RA 13	347416	-15699	Si	1080	3600	15	3.3333	Si
13282 Prosp.A	Orizzontale	SLE RA 13	299038	-12493	Si	982.5	3600	15	3.664	Si
13421 Prosp.A	Orizzontale	SLE RA 11	-456452	-10375	No	278.8	3600	15	12.9136	Si

Verifiche SLE fessurazione D.M. 17-01-18 §4.1.2.2.4

Descrizione	Dir.	Comb.	Fessurazione non valutabile	MEd	NEd	Sezione fessurata	εsm	Δmax	Wd	Wlim	Es/Ec	c.s.	Verifica
13282 Prosp.A	Orizzontale	SLE QP 2		-304249	-4976	Si	0.00042	25.5	0.0106	0.03	15	2.8302	Si
13282 Prosp.A	Orizzontale	SLE FR 6		-319061	-5321	Si	0.00043	25.5	0.0111	0.04	15	3.6148	Si
9999 Prosp.A	Orizzontale	SLE QP 2		-278485	-9132	Si	0.00031	24.7	0.0075	0.03	15	3.9748	Si
9999 Prosp.A	Orizzontale	SLE QP 2		305003	-13995	Si	0.00027	24	0.0065	0.03	15	4.5849	Si
13282 Prosp.A	Orizzontale	SLE QP 2		264412	-10885	Si	0.00026	24.2	0.0062	0.03	15	4.8427	Si

Verifiche generali

Setto S5

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Livelli significativi

Descrizione breve	Descrizione	Quota	Spessore
L2	Fondazione	-140	60
L3	p.lo 1	200	20
L4	Piano 1	380	20
L5	p.lo 2	535	20
L6	Piano 2	690	20
L7	p.lo 3	845	20
L8	Piano 3	1000	20
L9	p.lo 4	1155	20
L10	Piano 4	1310	20

Verifiche nei nodi

Sezioni rettangolari

Descrizione	Dir.	Base	Altezza	As,sup	As,inf	c,sup	c,inf
3587 Prosp.A	Orizzontale	50	30	10.05	8.04	6.91	4.89
3627 Prosp.A	Orizzontale	50	30	10.05	8.04	6.91	4.89
3584 Prosp.A	Orizzontale	50	30	10.05	8.04	6.91	4.89
3667 Prosp.A	Orizzontale	50	30	10.05	8.04	6.91	4.89
3624 Prosp.A	Orizzontale	50	30	10.05	8.04	6.91	4.89
13952 Prosp.A	Orizzontale	89.89	30	14.07	12.06	6.31	4.86
13951 Prosp.A	Orizzontale	50	30	10.05	8.04	6.91	4.89
3585 Prosp.A	Orizzontale	86.73	30	14.07	12.06	6.31	4.86
3586 Prosp.A	Orizzontale	86.61	30	14.07	12.06	6.31	4.86
5082 Prosp.A	Orizzontale	50	30	10.05	8.04	6.91	4.89
3825 Prosp.A	Orizzontale	87.12	30	14.07	12.06	6.31	4.86
3826 Prosp.A	Orizzontale	86.23	30	14.07	12.06	6.31	4.86
3827 Prosp.A	Orizzontale	50	30	10.05	8.04	6.91	4.89
3824 Prosp.A	Orizzontale	50	30	10.05	8.04	6.91	4.89
3786 Prosp.A	Orizzontale	86.3	30	14.07	12.06	6.31	4.86

Verifiche a flessione SLU D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
3587 Prosp.A	Orizzontale	SLV 5	225196	38814	248843	42890	1.105	Si
3627 Prosp.A	Orizzontale	SLV 5	191071	32516	250769	42675	1.3124	Si
3584 Prosp.A	Orizzontale	SLV 7	-113250	32080	-179054	50720	1.5811	Si
3667 Prosp.A	Orizzontale	SLV 5	156366	25967	254471	42259	1.6274	Si
3624 Prosp.A	Orizzontale	SLV 7	-109192	26961	-197180	48687	1.8058	Si

Verifiche a flessione SLD Resistenza D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
13952 Prosp.A	Orizzontale	SLD 13	260901	-584	1108506	-2480	4.2488	Si
3587 Prosp.A	Orizzontale	SLD 11	-119111	-56784	-541251	-258029	4.5441	Si
13951 Prosp.A	Orizzontale	SLD 13	142324	718	685702	3457	4.8179	Si
3627 Prosp.A	Orizzontale	SLD 11	-103351	-52270	-516893	-261422	5.0013	Si
3584 Prosp.A	Orizzontale	SLD 9	14263	-53593	74420	-279637	5.2178	Si

Verifiche a taglio SLU D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
13951 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLV 15	3422	134	186033	7697	33906	0	7697	2.5	8.042	2.2492	Si
5390 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLV 1	-3052	-1588	332819	7896	34112	0	7896	2.5	8.042	2.5874	Si
12077 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLV 15	2837	-2321	-316783	7988	34207	0	7988	2.5	8.042	2.816	Si
13954 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLV 13	3247	-13481	134988	9390	35657	0	9390	2.5	8.042	2.892	Si
7094 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLV 1	-2883	6138	176343	8811	33906	0	8811	2.5	12.064	3.056	Si

Verifiche a taglio SLD Resistenza D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
13954 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLD 13	1849	-7975	75354	8698	34942	0	8698	2.5	8.042	4.7047	Si
13951 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLD 11	1761	-4999	65927	8325	34555	0	8325	2.5	8.042	4.7274	Si
12077 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLD 15	1341	-2011	-147560	7950	34167	0	7950	2.5	8.042	5.9287	Si
11789 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLD 13	1442	-8666	-159297	8785	35032	0	8785	2.5	8.042	6.0908	Si
5390 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLD 1	-1379	-9564	156969	8898	35148	0	8898	2.5	8.042	6.4518	Si

Verifiche SLE tensione calcestruzzo D.M. 17-01-18 §4.1.2.2.5.1

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σc	σc limite	Es/Ec	c.s.	Verifica
3584 Prosp.A	Orizzontale	SLE RA 7	-125059	-39264	No	-35.8	184.3	15	5.1412	Si
3585 Prosp.A	Orizzontale	SLE RA 7	-214649	-60333	No	-34	184.3	15	5.4181	Si
3586 Prosp.A	Orizzontale	SLE RA 6	-216349	-54403	No	-32.2	184.3	15	5.7266	Si
5082 Prosp.A	Orizzontale	SLE RA 6	141802	-28740	No	-31.7	184.3	15	5.8071	Si
3587 Prosp.A	Orizzontale	SLE RA 6	-133008	-29029	No	-30.9	184.3	15	5.957	Si

Verifiche SLE tensione acciaio D.M. 17-01-18 §4.1.2.2.5.2

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σf	σf limite	Es/Ec	c.s.	Verifica

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σf	σf limite	Es/Ec	c.s.	Verifica
3825 Prosp.A	Orizzontale	SLE RA 8	-1798	-52620	No	-261.4	3600	15	13.7712	Si
3826 Prosp.A	Orizzontale	SLE RA 8	-1891	-52021	No	-260.7	3600	15	13.8096	Si
3827 Prosp.A	Orizzontale	SLE RA 8	-1190	-30052	No	-253.1	3600	15	14.2213	Si
3824 Prosp.A	Orizzontale	SLE RA 8	-991	-30006	No	-253	3600	15	14.2305	Si
3786 Prosp.A	Orizzontale	SLE RA 4	-6435	-43475	No	-214.5	3600	15	16.7833	Si

Verifiche generali

Setto S6

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Livelli significativi

Descrizione breve	Descrizione	Quota	Spessore
L2	Fondazione	-140	60
L3	p.lo 1	200	20
L4	Piano 1	380	20
L5	p.lo 2	535	20
L6	Piano 2	690	20
L7	p.lo 3	845	20
L8	Piano 3	1000	20
L9	p.lo 4	1155	20
L10	Piano 4	1310	20

Verifiche nei nodi

Sezioni rettangolari

Descrizione	Dir.	Base	Altezza	As,sup	As,inf	c,sup	c,inf
3581 Prosp.A	Orizzontale	50	30	10.05	8.04	6.91	4.89
3583 Prosp.A	Orizzontale	50	30	10.05	8.04	6.91	4.89
3621 Prosp.A	Orizzontale	50	30	10.05	8.04	6.91	4.89
3661 Prosp.A	Orizzontale	50	30	10.05	8.04	6.91	4.89
3623 Prosp.A	Orizzontale	50	30	10.05	8.04	6.91	4.89
3663 Prosp.A	Orizzontale	50	30	10.05	8.04	6.91	4.89
4476 Prosp.A	Orizzontale	50	30	10.05	8.04	6.91	4.89
4004 Prosp.A	Orizzontale	50	30	10.05	8.04	6.91	4.89
4440 Prosp.A	Orizzontale	81.82	30	14.07	12.06	6.31	4.86
3701 Prosp.A	Orizzontale	50	30	10.05	8.04	6.91	4.89

Verifiche a flessione SLU D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
3581 Prosp.A	Orizzontale	SLV 7	256645	34813	288176	39090	1.1229	Si
3583 Prosp.A	Orizzontale	SLV 9	-266779	32732	-305990	37543	1.147	Si
3621 Prosp.A	Orizzontale	SLV 7	236679	31534	291320	38814	1.2309	Si
3661 Prosp.A	Orizzontale	SLV 7	206335	29545	278785	39919	1.3511	Si
3623 Prosp.A	Orizzontale	SLV 9	-230159	26148	-319920	36346	1.39	Si

Verifiche a flessione SLD Resistenza D.M. 17-01-18 §4.1.2.3.4.2

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Descrizione	Dir.	Comb.	MEd	NEd	MRd	NRd	c.s.	Verifica
3583 Prosp.A	Orizzontale	SLD 9	-105474	8682	-379494	31237	3.598	Si
3623 Prosp.A	Orizzontale	SLD 9	-88175	6049	-413047	28334	4.6844	Si
3581 Prosp.A	Orizzontale	SLD 7	105307	3907	516683	19169	4.9064	Si
3621 Prosp.A	Orizzontale	SLD 7	94647	3788	505064	20214	5.3363	Si
3663 Prosp.A	Orizzontale	SLD 9	-73519	5411	-400154	29453	5.4428	Si

Verifiche a taglio SLU D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
13950 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLV 9	4695	-17954	105525	9951	36238	0	9951	2.5	8.042	2.1196	Si
7090 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLV 13	3845	10912	-14036	8811	33906	0	8811	2.5	12.064	2.2917	Si
13729 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLV 13	3678	8709	-7593	8811	33906	0	8811	2.5	12.064	2.3954	Si
4004 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLV 3	-3303	-1813	-52802	7925	34141	0	7925	2.5	8.042	2.399	Si
10453 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLV 13	3662	6963	-14785	8811	33906	0	8811	2.5	12.064	2.4063	Si

Verifiche a taglio SLD Resistenza D.M. 17-01-18 §4.1.2.3.5

Descrizione	Dir.	d	bw	Armatura a taglio	Asw/s	Comb.	VEd	NEd	MEd	Vrd,c	Vrcd	Vrsd	VRd	cotg(θ)	Asl	c.s.	Verifica
13950 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLD 9	2205	-10705	52970	9041	35296	0	9041	2.5	8.042	4.1005	Si
4004 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLD 13	1904	-13855	35328	9437	35706	0	9437	2.5	8.042	4.9567	Si
7090 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLD 13	1769	4461	-4082	8811	33906	0	8811	2.5	12.064	4.9816	Si
13729 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLD 13	1764	5689	-3256	8811	33906	0	8811	2.5	12.064	4.9937	Si
10453 Prosp.A	Orizzontale	25.1	50	Non necessaria	0	SLD 13	1662	3097	-5807	8811	33906	0	8811	2.5	12.064	5.3001	Si

Verifiche SLE tensione calcestruzzo D.M. 17-01-18 §4.1.2.2.5.1

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σc	σc limite	Es/Ec	c.s.	Verifica
3581 Prosp.A	Orizzontale	SLE RA 7	-89892	-24189	No	-23.5	184.3	15	7.8461	Si

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σc	σc limite	Es/Ec	c.s.	Verifica
4476 Prosp.A	Orizzontale	SLE RA 7	147168	-11667	No	-22.7	184.3	15	8.1248	Si
4004 Prosp.A	Orizzontale	SLE RA 7	85528	-18429	No	-19.8	184.3	15	9.3269	Si
4440 Prosp.A	Orizzontale	SLE RA 7	205771	-15506	No	-19.4	184.3	15	9.5016	Si
3621 Prosp.A	Orizzontale	SLE RA 7	-72203	-19802	No	-19.1	184.3	15	9.6605	Si

Verifiche SLE tensione acciaio D.M. 17-01-18 §4.1.2.2.5.2

Descrizione	Dir.	Comb.	MEd	NEd	Sezione fessurata	σf	σf limite	Es/Ec	c.s.	Verifica
3581 Prosp.A	Orizzontale	SLE RA 1	1998	-13307	No	-110.5	3600	15	32.5937	Si
3621 Prosp.A	Orizzontale	SLE RA 1	2981	-12325	No	-101	3600	15	35.6301	Si
3661 Prosp.A	Orizzontale	SLE RA 1	4295	-12234	No	-98.8	3600	15	36.4372	Si
3583 Prosp.A	Orizzontale	SLE RA 3	-96272	-1432	No	95.3	3600	15	37.7936	Si
3701 Prosp.A	Orizzontale	SLE RA 1	5621	-11268	No	-89.1	3600	15	40.3831	Si

Verifiche generali

8.4 Verifiche piastre C.A.

Le unità di misura elencate nel capitolo sono in [cm, daN, deg] ove non espressamente specificato.

***Nodo**: indice del nodo di verifica.*
***Dir.**: direzione della sezione di verifica.*
***B**: base della sezione rettangolare di verifica. [cm]*
***H**: altezza della sezione rettangolare di verifica. [cm]*
***A. sup.**: area barre armatura superiori. [cm²]*
***C. sup.**: distanza media delle barre superiori dal bordo superiore della sezione. [cm]*
***A. inf.**: area barre armatura inferiori. [cm²]*
***C. inf.**: distanza media delle barre inferiori dal bordo inferiore della sezione. [cm]*
***Comb.**: combinazione di verifica.*
***M**: momento flettente. [daN*cm]*
***N**: sforzo normale. [daN]*
***Mu**: momento flettente ultimo. [daN*cm]*
***Nu**: sforzo normale ultimo. [daN]*
***c.s.**: coefficiente di sicurezza.*
***Verifica**: stato di verifica.*
***σc**: tensione nel calcestruzzo. [daN/cm²]*
***σlim**: tensione limite. [daN/cm²]*
***Es/Ec**: coefficiente di omogenizzazione.*
***σf**: tensione nell'acciaio d'armatura. [daN/cm²]*
***εsm**: deformazione unitaria media delle barre di armatura.*
***Δmax**: distanza massima tra le fessure. [cm]*
***Wd**: valore di calcolo di apertura delle fessure. [cm]*
***Comb.**: combinazione.*
***Fh**: componente orizzontale del carico. [daN]*
***Fv**: componente verticale del carico. [daN]*
***Cnd**: resistenza valutata a breve o lungo termine (BT - LT).*
***Ad**: adesione di progetto. [daN/cm²]*
***Phi**: angolo di attrito di progetto. [deg]*
***RPl**: resistenza passiva laterale unitaria di progetto. [daN/cm]*
***γR**: coefficiente parziale sulla resistenza di progetto.*
***Rd**: resistenza alla traslazione di progetto. [daN]*
***Ed**: azione di progetto. [daN]*
***Rd/Ed**: coefficiente di sicurezza allo scorrimento.*
***ID**: indice della verifica di capacità portante.*
***Fx**: componente lungo x del carico. [daN]*
***Fy**: componente lungo y del carico. [daN]*
***Fz**: componente verticale del carico. [daN]*
***Mx**: componente lungo x del momento. [daN*cm]*
***My**: componente lungo y del momento. [daN*cm]*
***ix**: inclinazione del carico in x. [deg]*
***iy**: inclinazione del carico in y. [deg]*
***ex**: eccentricità del carico in x. [cm]*
***ey**: eccentricità del carico in y. [cm]*
***B'**: larghezza efficace. [cm]*
***L'**: lunghezza efficace. [cm]*
***Cnd**: resistenza valutata per condizione a breve o lungo termine (BT - LT).*
***C**: coesione di progetto. [daN/cm²]*
***Qs**: sovraccarico laterale da piano di posa. [daN/cm²]*
***Rd**: resistenza alla rottura del complesso di progetto. [daN]*
***Ed**: azione di progetto (sforzo normale al piano di posa). [daN]*
***Rd/Ed**: coefficiente di sicurezza alla capacità portante.*
***N**:*
***Nq**: fattore di capacità portante per il termine di sovraccarico.*
***Nc**: fattore di capacità portante per il termine coesivo.*
***Ng**: fattore di capacità portante per il termine attritivo.*
***S**:*
***Sq**: fattore correttivo di capacità portante per forma (shape), per il termine di sovraccarico.*
***Sc**: fattore correttivo di capacità portante per forma (shape), per il termine coesivo.*
***Sg**: fattore correttivo di capacità portante per forma (shape), per il termine attritivo.*
***D**:*
***Dq**: fattore correttivo di capacità portante per approfondimento (deep), per il termine di sovraccarico.*
***Dc**: fattore correttivo di capacità portante per approfondimento (deep), per il termine coesivo.*
***Dg**: fattore correttivo di capacità portante per approfondimento (deep), per il termine attritivo.*
***I**:*
***Iq**: fattore correttivo di capacità portante per inclinazione del carico, per il termine di sovraccarico.*
***Ic**: fattore correttivo di capacità portante per inclinazione del carico, per il termine coesivo.*
***Ig**: fattore correttivo di capacità portante per inclinazione del carico, per il termine attritivo.*
***B**:*
***Bq**: fattore correttivo di capacità portante per inclinazione della base, per il termine di sovraccarico.*
***Bc**: fattore correttivo di capacità portante per inclinazione della base, per il termine coesivo.*
***Bg**: fattore correttivo di capacità portante per inclinazione della base, per il termine attritivo.*
***G**:*
***Gq**: fattore correttivo di capacità portante per inclinazione del pendio, per il termine di sovraccarico.*
***Gc**: fattore correttivo di capacità portante per inclinazione del pendio, per il termine coesivo.*
***Gg**: fattore correttivo di capacità portante per inclinazione del pendio, per il termine attritivo.*

***P**:*
***Pq**: fattore correttivo di capacità portante per punzonamento, per il termine di sovraccarico.*
***Pc**: fattore correttivo di capacità portante per punzonamento, per il termine coesivo.*
***Pg**: fattore correttivo di capacità portante per punzonamento, per il termine attritivo.*
***E**:*
***Eq**: fattore correttivo di capacità portante per sisma (earthquake), per il termine di sovraccarico.*
***Ec**: fattore correttivo di capacità portante per sisma (earthquake), per il termine coesivo.*
***Eg**: fattore correttivo di capacità portante per sisma (earthquake), per il termine attritivo.*

Platea a "fondo corsa"

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (9507; 768; -220), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
49	Y	50	40	2.83	3.6	2.83	3.6	SLV 1	-323462	0	-362103	0	1.1195	Si
6	Y	50	40	2.83	3.6	2.83	3.6	SLU 20	316500	0	396211	0	1.2519	Si
9	Y	50	40	2.83	3.6	2.83	3.6	SLU 6	301498	0	396211	0	1.3141	Si
14	Y	91	40	5.15	3.6	5.15	3.6	SLU 20	538559	0	727376	0	1.3506	Si
34	Y	100	40	5.65	3.6	5.65	3.6	SLU 6	588856	0	803765	0	1.365	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
49	Y	50	40	2.83	3.6	2.83	3.6	SLD 1	-155926	0	-362103	0	2.3223	Si
47	X	50	40	2.83	4.8	2.83	4.8	SLD 1	-140894	0	-348369	0	2.4726	Si
17	X	50	40	2.83	4.8	2.83	4.8	SLD 15	-138597	0	-348369	0	2.5135	Si
6	X	50	40	2.83	4.8	2.83	4.8	SLD 3	-124025	0	-348369	0	2.8089	Si
7	Y	50	40	2.83	3.6	2.83	3.6	SLD 1	-128515	0	-362103	0	2.8176	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
6	Y	50	40	2.83	3.6	2.83	3.6	SLE RA 7	207004	0	-14.3	184.3	15	Si
14	Y	91	40	5.15	3.6	5.15	3.6	SLE RA 7	354171	0	-13.4	184.3	15	Si
25	Y	100	40	5.65	3.6	5.65	3.6	SLE RA 6	388742	0	-13.4	184.3	15	Si
9	Y	50	40	2.83	3.6	2.83	3.6	SLE RA 6	192226	0	-13.3	184.3	15	Si
17	Y	91	40	5.15	3.6	5.15	3.6	SLE RA 6	347857	0	-13.2	184.3	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
6	Y	50	40	2.83	3.6	2.83	3.6	SLE RA 7	207004	0	175.9	3600	15	Si
14	Y	91	40	5.15	3.6	5.15	3.6	SLE RA 7	354171	0	165.4	3600	15	Si
25	Y	100	40	5.65	3.6	5.65	3.6	SLE RA 6	388742	0	165.2	3600	15	Si
9	Y	50	40	2.83	3.6	2.83	3.6	SLE RA 6	192226	0	163.4	3600	15	Si
17	Y	91	40	5.15	3.6	5.15	3.6	SLE RA 6	347857	0	162.4	3600	15	Si

Verifiche SLE fessurazione nei nodi

La piastra non presenta nodi con apertura delle fessure.

Platea a "fondo corsa"

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (7356; 768; -220), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
45	Y	50	40	2.83	3.6	2.83	3.6	SLV 1	-322806	0	-362103	0	1.1217	Si
43	X	50	40	2.83	4.8	2.83	4.8	SLV 1	-285446	0	-348369	0	1.2204	Si
10	X	50	40	2.83	4.8	2.83	4.8	SLV 7	-284412	0	-348369	0	1.2249	Si
21	X	50	40	2.83	4.8	2.83	4.8	SLV 9	278016	0	348369	0	1.2531	Si
21	X	50	40	2.83	4.8	2.83	4.8	SLV 7	-276227	0	-348369	0	1.2612	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
10	X	50	40	2.83	4.8	2.83	4.8	SLD 7	-180813	0	-348369	0	1.9267	Si
43	X	50	40	2.83	4.8	2.83	4.8	SLD 1	-175496	0	-348369	0	1.985	Si
13	X	50	40	2.83	4.8	2.83	4.8	SLD 15	-173945	0	-348369	0	2.0028	Si
38	X	50	40	2.83	4.8	2.83	4.8	SLD 1	-171483	0	-348369	0	2.0315	Si
35	X	50	40	2.83	4.8	2.83	4.8	SLD 13	-165727	0	-348369	0	2.1021	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
5	Y	50	40	2.83	3.6	2.83	3.6	SLE RA 6	181958	0	-12.6	184.3	15	Si
18	Y	100	40	5.65	3.6	5.65	3.6	SLE RA 7	352155	0	-12.2	184.3	15	Si
13	Y	91	40	5.15	3.6	5.15	3.6	SLE RA 6	319829	0	-12.1	184.3	15	Si
10	Y	91	40	5.15	3.6	5.15	3.6	SLE RA 7	316617	0	-12	184.3	15	Si
35	X	50	40	2.83	4.8	2.83	4.8	SLE QP 2	-125694	0	-8.8	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
5	Y	50	40	2.83	3.6	2.83	3.6	SLE RA 6	181958	0	154.6	3600	15	Si
18	Y	100	40	5.65	3.6	5.65	3.6	SLE RA 7	352155	0	149.6	3600	15	Si
13	Y	91	40	5.15	3.6	5.15	3.6	SLE RA 6	319829	0	149.3	3600	15	Si
10	Y	91	40	5.15	3.6	5.15	3.6	SLE RA 7	316617	0	147.8	3600	15	Si
2	Y	50	40	2.83	3.6	2.83	3.6	SLE RA 3	168646	0	143.3	3600	15	Si

Verifiche SLE fessurazione nei nodi

La piastra non presenta nodi con apertura delle fessure.

Platea cp 3

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Geometria

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (6457; -120; -140), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
2913	X	100	65	10.05	5.4	38.33	5.9	SLV 7	-2070864	0	-2184469	0	1.0549	Si
2973	X	100	65	10.05	5.4	41.47	6	SLV 7	-2064657	0	-2180090	0	1.0559	Si
2962	X	100	65	10.05	5.4	35.19	5.9	SLV 7	-2031295	0	-2161456	0	1.0641	Si
2432	X	100	65	10.05	5.4	10.05	5.8	SLV 1	2022651	0	2176286	0	1.076	Si
2667	X	100	65	10.05	5.4	10.05	5.8	SLV 5	2010137	0	2176286	0	1.0827	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
3017	X	100	65	10.05	5.4	10.05	5.8	SLD 1	1281401	0	2176286	0	1.6984	Si
2863	Y	100	65	10.05	3.8	18.95	3.9	SLD 11	-1314589	0	-2239280	0	1.7034	Si
2862	Y	100	65	14.07	3.8	10.05	3.8	SLD 7	-1778504	0	-3089063	0	1.7369	Si
2421	Y	100	65	10.05	3.8	10.05	3.8	SLD 7	-1285436	0	-2261144	0	1.759	Si
1468	X	100	65	10.05	5.4	20.11	5.4	SLD 1	2143229	0	3842725	0	1.793	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
1471	X	100	65	10.05	5.4	41.47	6	SLE QP 2	4049676	0	-67.4	138.2	15	Si
1474	X	100	65	10.05	5.4	41.47	6	SLE QP 2	3557877	0	-59.2	138.2	15	Si
1471	X	100	65	10.05	5.4	41.47	6	SLE RA 13	4716633	0	-78.5	184.3	15	Si
2995	X	100	65	10.05	5.4	41.47	6	SLE QP 2	3348716	0	-55.8	138.2	15	Si
1475	X	100	65	10.05	5.4	41.47	6	SLE QP 2	3288188	0	-54.8	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
1471	X	100	65	10.05	5.4	41.47	6	SLE RA 13	4716633	0	2184.1	3600	15	Si
1473	X	100	65	10.05	5.4	28.15	5.4	SLE RA 13	3101528	0	2050.6	3600	15	Si
2977	X	86.9	65	8.74	5.4	24.82	5.4	SLE RA 13	2695408	0	2022.3	3600	15	Si
1472	X	100	65	10.05	5.4	28.15	5.4	SLE RA 12	3042077	0	2011.3	3600	15	Si

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
1474	X	100	65	10.05	5.4	41.47	6	SLE RA 12	4132962	0	1913.8	3600	15	Si

Verifiche SLE fessurazione nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	εsm	Δmax	Wd	Es/Ec	Verifica
1471	X	100	65	10.05	5.4	41.47	6	SLE QP 2	4049676	0	0.00062	28.4	0.0177	15	Si
1474	X	100	65	10.05	5.4	41.47	6	SLE QP 2	3557877	0	0.00051	28.4	0.0145	15	Si
1473	X	100	65	10.05	5.4	28.15	5.4	SLE QP 2	2623291	0	0.00051	28.7	0.0145	15	Si
2977	X	86.9	65	8.74	5.4	24.82	5.4	SLE QP 2	2342422	0	0.00051	28.2	0.0145	15	Si
1472	X	100	65	10.05	5.4	28.15	5.4	SLE QP 2	2567603	0	0.00049	28.7	0.0142	15	Si

Verifiche geotecniche

Dati geometrici dell'impronta di calcolo

Forma dell'impronta di calcolo: rettangolare di area equivalente
Centro impronta, nel sistema globale: 8816.3; 511.5; -205
Lato minore B dell'impronta: 1257.1
Lato maggiore L dell'impronta: 4696.5
Area dell'impronta rettangolare di calcolo: 5903965.5

Verifica di scorrimento sul piano di posa

Coefficiente di sicurezza minimo per scorrimento 4.73

Comb.	Fh	Fv	Cnd	Ad	Phi	RPI	γR	Rd	Ed	Rd/Ed	Verifica
SLU 2	135843	-3851203	LT	0	25	0	1.1	1657452	135843	12.2	Si
SLV 5	395707	-4347103	LT	0	25	0	1.1	1870874	395707	4.73	Si

Verifiche geotecniche di capacità portante sul piano di posa

Profondità massima del bulbo di rottura considerato: 12.89 m
Peso specifico efficace del terreno di progetto γs: 1950 daN/m3
Accelerazione normalizzata massima attesa al suolo Amax per verifiche in SLD: 0.013
Accelerazione normalizzata massima attesa al suolo Amax per verifiche in SLV: 0.025

Coefficiente di sicurezza minimo per portanza 27.06

ID	Comb.	Fx	Fy	Fz	Mx	My	ix	iy	ex	ey	B'	L'	Cnd	C	Phi	Qs	γR	Rd	Ed	Rd/Ed	Verifica
1	SLU 52	0	-92788	-6776301	26515752	-1715381503	0	-1	-253	4	1249	4190	LT	0	38	0	2.3	183366299	6776301	27.06	Si
2	SLV 5	0	-371561	-4347103	228921882	-1111952145	0	-5	-256	53	1152	4185	LT	0	38	0	2.3	125975238	4347103	28.98	Si
3	SLD 5	0	-145063	-4354343	97428575	-1085926181	0	-2	-249	22	1212	4198	LT	0	38	0	2.3	163325971	4354343	37.51	Si

Verifiche geotecniche di capacità portante - Fattori utilizzati nel calcolo di Rd

ID	N			S			D			I			B			G			P			E		
	Nq	Nc	Ng	Sq	Sc	Sg	Dq	Dc	Dg	Iq	Ic	Ig	Bq	Bc	Bg	Gq	Gc	Gg	Pq	Pc	Pg	Eq	Ec	Eg
1	49	61	78	1.23	1.24	0.88	1	1	1	0.98	0.98	0.96	1	1	1	1	1	1	1	1	1	1	1	1
2	49	61	78	1.22	1.22	0.89	1	1	1	0.85	0.85	0.78	1	1	1	1	1	1	1	1	1	0.99	0.99	0.99
3	49	61	78	1.23	1.23	0.88	1	1	1	0.94	0.94	0.91	1	1	1	1	1	1	1	1	1	0.99	1	0.99

Sc 4 - pianerottolo 1

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (7366; 30; 200), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
3895	Y	93.3	20	5.28	3.6	9.38	3.8	SLV 5	456374	0	503832	0	1.104	Si
3910	X	100	20	5.65	4.8	10.05	5.4	SLV 7	-282983	0	-316443	0	1.1182	Si
3910	X	100	20	5.65	4.8	10.05	5.4	SLV 9	402155	0	500275	0	1.244	Si
3896	Y	93.3	20	5.28	3.6	9.38	3.8	SLV 9	403675	0	503832	0	1.2481	Si
3864	Y	50	20	2.83	3.6	5.03	3.8	SLV 5	199884	0	257163	0	1.2866	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
3910	Y	50	20	2.83	3.6	5.03	3.8	SLD 9	137921	0	257163	0	1.8646	Si
3895	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 5	263755	0	503832	0	1.9102	Si
3864	Y	50	20	2.83	3.6	5.03	3.8	SLD 9	134381	0	257163	0	1.9137	Si
3896	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 9	252364	0	503832	0	1.9964	Si
3881	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 9	243375	0	503832	0	2.0702	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
3910	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	104631	0	-49.1	138.2	15	Si
3910	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	130355	0	-61.2	184.3	15	Si
3896	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	179024	0	-45	138.2	15	Si
3881	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	169667	0	-42.7	138.2	15	Si
3896	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	222888	0	-56	184.3	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
3910	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	130355	0	1823.5	3600	15	Si
3896	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	222888	0	1670.3	3600	15	Si
3881	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 13	212425	0	1591.9	3600	15	Si

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
3864	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 13	111163	0	264.8	3600	15	Si
3895	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 13	190740	0	243.4	3600	15	Si

Verifiche SLE fessurazione nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	εsm	Δmax	Wd	Es/Ec	Verifica
3910	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	104631	0	0.00043	18.9	0.0081	15	Si
3896	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	179024	0	0.00039	18.9	0.0074	15	Si
3881	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	169667	0	0.00037	18.9	0.007	15	Si
3910	Y	50	20	2.83	3.6	5.03	3.8	SLE FR 6	111836	0	0.00046	18.9	0.0086	15	Si
3896	Y	93.3	20	5.28	3.6	9.38	3.8	SLE FR 6	191331	0	0.00042	18.9	0.0079	15	Si

Sc 4 - pianerottolo 2

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (7366; 30; 535), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
7218	X	50	20	2.83	4.8	5.03	5.4	SLV 9	-137674	0	-147428	0	1.0709	Si
7220	X	100	20	5.65	4.8	10.05	5.4	SLV 9	464919	0	500275	0	1.076	Si
7205	Y	93.3	20	5.28	3.6	9.38	3.8	SLV 9	465628	0	503832	0	1.082	Si
7193	X	100	20	5.65	4.8	10.05	5.4	SLV 9	-282882	0	-316443	0	1.1186	Si
7220	X	100	20	5.65	4.8	10.05	5.4	SLV 7	-277884	0	-316443	0	1.1388	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
7205	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 9	258140	0	503832	0	1.9518	Si
7218	X	50	20	2.83	4.8	5.03	5.4	SLD 9	-72106	0	-147428	0	2.0446	Si
7189	X	100	20	5.65	4.8	10.05	5.4	SLD 5	-154195	0	-316443	0	2.0522	Si
7220	X	100	20	5.65	4.8	10.05	5.4	SLD 9	243106	0	500275	0	2.0578	Si
7206	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 9	241418	0	503832	0	2.087	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
7172	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	74521	0	-20	138.2	15	Si
7221	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	71148	0	-19.1	138.2	15	Si
7173	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	70564	0	-18.9	138.2	15	Si
7207	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	131306	0	-18.9	138.2	15	Si
7172	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	93707	0	-25.1	184.3	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
7172	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	93707	0	223.2	3600	15	Si
7221	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	89715	0	213.7	3600	15	Si
7173	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	88931	0	211.9	3600	15	Si
7207	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	165551	0	211.3	3600	15	Si
7206	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	164915	0	210.5	3600	15	Si

Verifiche SLE fessurazione nei nodi

La piastra non presenta nodi con apertura delle fessure.

Sc 4 - pianerottolo 3

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (7366; 30; 845), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
10581	X	50	20	2.83	4.8	5.03	5.4	SLV 9	-138641	0	-147428	0	1.0634	Si
10583	X	100	20	5.65	4.8	10.05	5.4	SLV 9	468355	0	500275	0	1.0682	Si
10556	X	100	20	5.65	4.8	10.05	5.4	SLV 9	-295053	0	-316443	0	1.0725	Si

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
10568	Y	93.3	20	5.28	3.6	9.38	3.8	SLV 5	445979	0	503832	0	1.1297	Si
10587	X	50	20	2.83	4.8	5.03	5.4	SLV 9	-127892	0	-147428	0	1.1528	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
10552	X	100	20	5.65	4.8	10.05	5.4	SLD 5	-160967	0	-316443	0	1.9659	Si
10581	X	50	20	2.83	4.8	5.03	5.4	SLD 9	-74033	0	-147428	0	1.9914	Si
10568	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 5	250637	0	503832	0	2.0102	Si
10583	X	100	20	5.65	4.8	10.05	5.4	SLD 9	248393	0	500275	0	2.014	Si
10556	X	100	20	5.65	4.8	10.05	5.4	SLD 9	-157074	0	-316443	0	2.0146	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
10535	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	74346	0	-19.9	138.2	15	Si
10536	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	73146	0	-19.6	138.2	15	Si
10584	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	72944	0	-19.6	138.2	15	Si
10570	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	134772	0	-19.4	138.2	15	Si
10554	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	134139	0	-19.3	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
10535	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	93826	0	223.5	3600	15	Si
10536	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	92206	0	219.7	3600	15	Si
10584	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	92099	0	219.4	3600	15	Si
10570	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	170109	0	217.1	3600	15	Si
10554	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	169206	0	215.9	3600	15	Si

Verifiche SLE fessurazione nei nodi

La piastra non presenta nodi con apertura delle fessure.

Sc 4 - pianerottolo 4

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (7366; 30; 1155), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
13832	X	100	20	5.65	4.8	10.05	5.4	SLV 9	-291149	0	-316443	0	1.0869	Si
13844	Y	93.3	20	5.28	3.6	9.38	3.8	SLV 5	449997	0	503832	0	1.1196	Si
13863	X	50	20	2.83	4.8	5.03	5.4	SLV 9	-127967	0	-147428	0	1.1521	Si
13859	X	100	20	5.65	4.8	10.05	5.4	SLV 9	433271	0	500275	0	1.1546	Si
13828	X	100	20	5.65	4.8	10.05	5.4	SLV 5	-270664	0	-316443	0	1.1691	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
13828	X	100	20	5.65	4.8	10.05	5.4	SLD 9	-168549	0	-316443	0	1.8775	Si
13844	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 5	257935	0	503832	0	1.9533	Si
13832	X	100	20	5.65	4.8	10.05	5.4	SLD 9	-161673	0	-316443	0	1.9573	Si
13859	X	100	20	5.65	4.8	10.05	5.4	SLD 9	240356	0	500275	0	2.0814	Si
13845	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 9	241595	0	503832	0	2.0854	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
13812	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	76009	0	-20.4	138.2	15	Si
13811	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	75483	0	-20.2	138.2	15	Si
13860	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	75380	0	-20.2	138.2	15	Si
13847	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	139980	0	-20.1	138.2	15	Si
13846	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	139327	0	-20	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
13812	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	95830	0	228.3	3600	15	Si
13811	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	95431	0	227.3	3600	15	Si
13860	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	95210	0	226.8	3600	15	Si
13846	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	175922	0	224.5	3600	15	Si
13830	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	175428	0	223.9	3600	15	Si

Verifiche SLE fessurazione nei nodi

La piastra non presenta nodi con apertura delle fessure.

Sc 4 - pianerottolo 5

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (7366; 30; 1465), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
17184	X	100	20	5.65	4.8	10.05	5.4	SLV 9	-291878	0	-316443	0	1.0842	Si
17180	X	100	20	5.65	4.8	10.05	5.4	SLV 5	-275284	0	-316443	0	1.1495	Si
17188	Y	93.3	20	5.28	3.6	9.38	3.8	SLV 5	436515	0	503832	0	1.1542	Si
17196	X	100	20	5.65	4.8	10.05	5.4	SLV 9	431328	0	500275	0	1.1598	Si
17200	X	50	20	2.83	4.8	5.03	5.4	SLV 9	-125975	0	-147428	0	1.1703	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
17180	X	100	20	5.65	4.8	10.05	5.4	SLD 5	-176309	0	-316443	0	1.7948	Si
17184	X	100	20	5.65	4.8	10.05	5.4	SLD 9	-170226	0	-316443	0	1.859	Si
17188	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 5	261858	0	503832	0	1.9241	Si
17196	X	100	20	5.65	4.8	10.05	5.4	SLD 9	250097	0	500275	0	2.0003	Si
17200	X	50	20	2.83	4.8	5.03	5.4	SLD 9	-72756	0	-147428	0	2.0263	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
17188	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	148704	0	-21.4	138.2	15	Si
17191	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	147158	0	-21.1	138.2	15	Si
17173	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	78110	0	-21	138.2	15	Si
17174	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	77887	0	-20.9	138.2	15	Si
17189	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	144816	0	-20.8	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
17188	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	185257	0	236.4	3600	15	Si
17173	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	98812	0	235.4	3600	15	Si
17191	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	184411	0	235.3	3600	15	Si
17189	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	183720	0	234.5	3600	15	Si
17174	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	98221	0	234	3600	15	Si

Verifiche SLE fessurazione nei nodi

La piastra non presenta nodi con apertura delle fessure.

Sc 4 - pianerottolo 6

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (7366; 30; 1775), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
19373	X	100	20	5.65	4.8	10.05	5.4	SLV 9	-283658	0	-316443	0	1.1156	Si
19369	X	100	20	5.65	4.8	10.05	5.4	SLV 5	-261951	0	-316443	0	1.208	Si
19389	X	50	20	2.83	4.8	5.03	5.4	SLV 9	-118970	0	-147428	0	1.2392	Si
19377	Y	93.3	20	5.28	3.6	9.38	3.8	SLV 5	406413	0	503832	0	1.2397	Si
19385	X	100	20	5.65	4.8	10.05	5.4	SLV 9	403166	0	500275	0	1.2409	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
19373	X	100	20	5.65	4.8	10.05	5.4	SLD 9	-173102	0	-316443	0	1.8281	Si
19369	X	100	20	5.65	4.8	10.05	5.4	SLD 5	-172800	0	-316443	0	1.8313	Si
19377	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 5	252297	0	503832	0	1.997	Si
19389	X	50	20	2.83	4.8	5.03	5.4	SLD 9	-71452	0	-147428	0	2.0633	Si
19385	X	100	20	5.65	4.8	10.05	5.4	SLD 9	240874	0	500275	0	2.0769	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
19380	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	154129	0	-22.1	138.2	15	Si
19377	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	148570	0	-21.3	138.2	15	Si

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
19378	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	146062	0	-21	138.2	15	Si
19380	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 13	193715	0	-27.8	184.3	15	Si
19363	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	77711	0	-20.8	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
19380	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 13	193715	0	247.2	3600	15	Si
19378	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	184469	0	235.4	3600	15	Si
19377	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	184304	0	235.2	3600	15	Si
19363	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	98265	0	234.1	3600	15	Si
19362	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	97797	0	233	3600	15	Si

Verifiche SLE fessurazione nei nodi

La piastra non presenta nodi con apertura delle fessure.

Sc 5 - pianerottolo 1

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (9517; 30; 200), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
3906	Y	93.3	20	5.28	3.6	9.38	3.8	SLV 7	-278138	0	-299319	0	1.0762	Si
3887	X	100	20	5.65	4.8	10.05	5.4	SLV 1	-284233	0	-316443	0	1.1133	Si
3919	X	100	20	5.65	4.8	10.05	5.4	SLV 3	-276182	0	-316443	0	1.1458	Si
3891	Y	93.3	20	5.28	3.6	9.38	3.8	SLV 15	-247015	0	-299319	0	1.2117	Si
3902	Y	93.3	20	5.28	3.6	9.38	3.8	SLV 5	402494	0	503832	0	1.2518	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
3887	X	100	20	5.65	4.8	10.05	5.4	SLD 1	-157790	0	-316443	0	2.0055	Si
3902	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 5	240233	0	503832	0	2.0973	Si
3873	Y	50	20	2.83	3.6	5.03	3.8	SLD 5	122193	0	257163	0	2.1046	Si
3919	Y	50	20	2.83	3.6	5.03	3.8	SLD 15	-70060	0	-154565	0	2.2062	Si
3917	Y	50	20	2.83	3.6	5.03	3.8	SLD 9	115489	0	257163	0	2.2267	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
3917	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	95159	0	-44.7	138.2	15	Si
3917	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 13	121086	0	-56.8	184.3	15	Si
3903	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	158738	0	-22.8	138.2	15	Si
3888	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	157944	0	-22.7	138.2	15	Si
3873	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	83323	0	-22.4	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
3917	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 13	121086	0	1693.8	3600	15	Si
3903	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 13	201704	0	257.4	3600	15	Si
3888	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	197820	0	252.5	3600	15	Si
3873	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	104788	0	249.6	3600	15	Si
3902	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	175363	0	223.8	3600	15	Si

Verifiche SLE fessurazione nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	εsm	Δmax	Wd	Es/Ec	Verifica
3917	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	95159	0	0.00039	18.9	0.0073	15	Si
3917	Y	50	20	2.83	3.6	5.03	3.8	SLE FR 6	101824	0	0.00041	18.9	0.0079	15	Si

Sc 5 - pianerottolo 2

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (9517; 30; 535), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti

resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
7196	X	100	20	5.65	4.8	10.05	5.4	SLV 1	-294420	0	-316443	0	1.0748	Si
7212	Y	93.3	20	5.28	3.6	9.38	3.8	SLV 5	390371	0	503832	0	1.2906	Si
7225	X	50	20	2.83	4.8	5.03	5.4	SLV 5	-110565	0	-147428	0	1.3334	Si
7227	X	100	20	5.65	4.8	10.05	5.4	SLV 1	365109	0	500275	0	1.3702	Si
7200	X	100	20	5.65	4.8	10.05	5.4	SLV 5	-229278	0	-316443	0	1.3802	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
7196	X	100	20	5.65	4.8	10.05	5.4	SLD 1	-164726	0	-316443	0	1.921	Si
7212	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 5	221472	0	503832	0	2.2749	Si
7200	X	100	20	5.65	4.8	10.05	5.4	SLD 5	-134703	0	-316443	0	2.3492	Si
7215	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 1	209471	0	503832	0	2.4053	Si
7225	X	50	20	2.83	4.8	5.03	5.4	SLD 5	-60787	0	-147428	0	2.4253	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
7213	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	128500	0	-18.5	138.2	15	Si
7228	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	67851	0	-18.2	138.2	15	Si
7181	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	67628	0	-18.1	138.2	15	Si
7182	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	66952	0	-18	138.2	15	Si
7214	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	124778	0	-17.9	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
7213	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	162428	0	207.3	3600	15	Si
7228	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	85538	0	203.8	3600	15	Si
7181	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	85252	0	203.1	3600	15	Si
7182	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	84353	0	201	3600	15	Si
7214	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	157306	0	200.8	3600	15	Si

Verifiche SLE fessurazione nei nodi

La piastra non presenta nodi con apertura delle fessure.

Sc 5 - pianerottolo 3

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (9517; 30; 845), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
10559	X	100	20	5.65	4.8	10.05	5.4	SLV 1	-298671	0	-316443	0	1.0595	Si
10594	X	50	20	2.83	4.8	5.03	5.4	SLV 5	-118242	0	-147428	0	1.2468	Si
10563	X	100	20	5.65	4.8	10.05	5.4	SLV 5	-252483	0	-316443	0	1.2533	Si
10588	X	50	20	2.83	4.8	5.03	5.4	SLV 5	-116053	0	-147428	0	1.2704	Si
10575	Y	93.3	20	5.28	3.6	9.38	3.8	SLV 5	395652	0	503832	0	1.2734	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
10559	X	100	20	5.65	4.8	10.05	5.4	SLD 1	-171639	0	-316443	0	1.8437	Si
10563	X	100	20	5.65	4.8	10.05	5.4	SLD 5	-152255	0	-316443	0	2.0784	Si
10575	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 5	233049	0	503832	0	2.1619	Si
10588	X	50	20	2.83	4.8	5.03	5.4	SLD 5	-67178	0	-147428	0	2.1946	Si
10594	X	50	20	2.83	4.8	5.03	5.4	SLD 5	-66349	0	-147428	0	2.222	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
10576	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	136125	0	-19.6	138.2	15	Si
10544	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	71127	0	-19.1	138.2	15	Si
10578	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	132306	0	-19	138.2	15	Si
10545	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	70664	0	-19	138.2	15	Si
10591	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	69810	0	-18.7	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
10576	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 12	172293	0	219.9	3600	15	Si
10544	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	89784	0	213.9	3600	15	Si
10578	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 13	167297	0	213.5	3600	15	Si
10545	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	89391	0	213	3600	15	Si
10591	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	88230	0	210.2	3600	15	Si

Verifiche SLE fessurazione nei nodi

La piastra non presenta nodi con apertura delle fessure.

Sc 5 - pianerottolo 4

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (9517; 30; 1155), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
13835	X	100	20	5.65	4.8	10.05	5.4	SLV 1	-278486	0	-316443	0	1.1363	Si
13839	X	100	20	5.65	4.8	10.05	5.4	SLV 5	-241172	0	-316443	0	1.3121	Si
13864	X	50	20	2.83	4.8	5.03	5.4	SLV 5	-110737	0	-147428	0	1.3313	Si
13851	Y	93.3	20	5.28	3.6	9.38	3.8	SLV 5	373906	0	503832	0	1.3475	Si
13870	X	50	20	2.83	4.8	5.03	5.4	SLV 5	-109043	0	-147428	0	1.352	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
13835	X	100	20	5.65	4.8	10.05	5.4	SLD 1	-164851	0	-316443	0	1.9196	Si
13839	X	100	20	5.65	4.8	10.05	5.4	SLD 5	-151445	0	-316443	0	2.0895	Si
13854	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 5	230055	0	503832	0	2.19	Si
13855	Y	93.3	20	5.28	3.6	9.38	3.8	SLD 5	227458	0	503832	0	2.2151	Si
13864	X	50	20	2.83	4.8	5.03	5.4	SLD 5	-64944	0	-147428	0	2.2701	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
13854	Y	93.3	20	5.28	3.6	9.38	3.8	SLE QP 2	149143	0	-21.4	138.2	15	Si
13854	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 13	188224	0	-27	184.3	15	Si
13822	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	74648	0	-20	138.2	15	Si
13821	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	73698	0	-19.8	138.2	15	Si
13867	Y	50	20	2.83	3.6	5.03	3.8	SLE QP 2	73187	0	-19.6	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
13854	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 13	188224	0	240.2	3600	15	Si
13822	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 13	94873	0	226	3600	15	Si
13821	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 12	93292	0	222.2	3600	15	Si
13867	Y	50	20	2.83	3.6	5.03	3.8	SLE RA 13	92896	0	221.3	3600	15	Si
13853	Y	93.3	20	5.28	3.6	9.38	3.8	SLE RA 13	170238	0	217.3	3600	15	Si

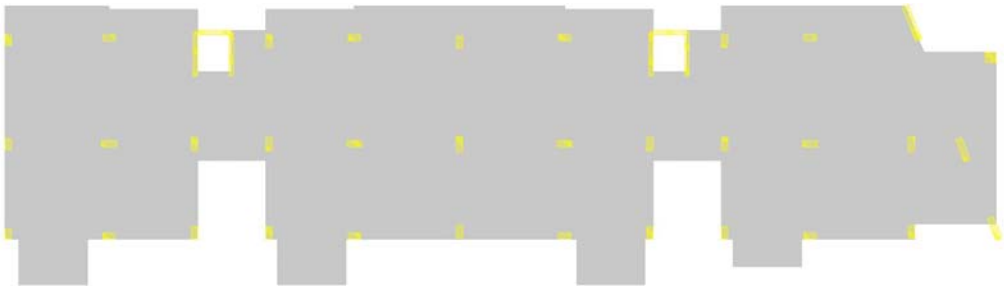
Verifiche SLE fessurazione nei nodi

La piastra non presenta nodi con apertura delle fessure.

Solaio P1 cp3

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Geometria



Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (6457; -215; 380), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
5572	X	100	20	5.65	5.2	5.65	4.8	SLV 5	-299380	0	-299854	0	1.0016	Si

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
5080	X	100	20	5.65	5.2	5.65	4.8	SLV 11	-297700	0	-299854	0	1.0072	Si
5330	X	100	20	15.71	5.3	5.65	4.8	SLV 9	-574866	0	-587866	0	1.0226	Si
5590	X	100	20	5.65	5.2	5.65	4.8	SLV 5	-293185	0	-299854	0	1.0227	Si
6377	Y	100	20	6.01	3.6	5.65	3.6	SLV 3	-329550	0	-338891	0	1.0283	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
4312	X	100	20	17.72	5.3	5.65	4.8	SLD 9	-475835	0	-635775	0	1.3361	Si
5274	X	100	20	7.21	5.2	5.65	4.8	SLD 5	-252006	0	-344327	0	1.3663	Si
7005	Y	75.5	20	4.27	3.6	4.27	3.6	SLD 15	-176085	0	-243647	0	1.3837	Si
5305	X	100	20	19.73	5.3	5.65	4.8	SLD 3	-523374	0	-724267	0	1.3838	Si
6727	X	100	20	21.74	5.7	5.65	4.8	SLD 11	-604012	0	-846293	0	1.4011	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
6731	X	100	20	25.76	5.4	5.65	4.8	SLE QP 2	-584242	0	-123.7	138.2	15	Si
6728	X	100	20	25.76	5.8	5.65	4.8	SLE QP 2	-546715	0	-121.6	138.2	15	Si
4228	X	100	20	24.54	5.4	12.47	4.9	SLE QP 2	-565010	0	-116.8	138.2	15	Si
6727	X	100	20	21.74	5.7	5.65	4.8	SLE QP 2	-495624	0	-115.7	138.2	15	Si
5316	X	100	20	25.76	5.4	5.65	4.8	SLE QP 2	-527946	0	-111.7	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
4138	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 12	248945	0	2973.3	3600	15	Si
4492	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 12	244326	0	2918.2	3600	15	Si
4103	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 10	242939	0	2901.6	3600	15	Si
4134	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 10	241359	0	2882.7	3600	15	Si
4520	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 12	236308	0	2822.4	3600	15	Si

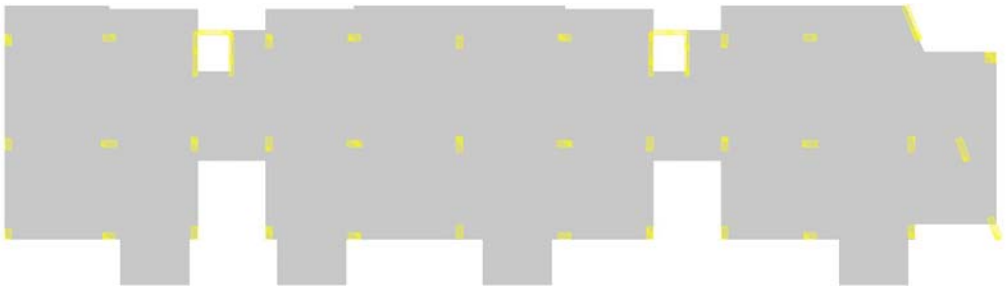
Verifiche SLE fessurazione nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	εsm	Δmax	Wd	Es/Ec	Verifica
6162	X	100	20	5.65	4.8	5.65	4.8	SLE QP 2	187989	0	0.0007	33.1	0.0231	15	Si
6030	X	100	20	5.65	4.8	5.65	4.8	SLE QP 2	183485	0	0.00068	33.1	0.0225	15	Si
6136	X	100	20	5.65	4.8	5.65	4.8	SLE QP 2	183026	0	0.00068	33.1	0.0225	15	Si
6018	X	100	20	5.65	4.8	5.65	4.8	SLE QP 2	181962	0	0.00068	33.1	0.0223	15	Si
6153	X	100	20	5.65	4.8	5.65	4.8	SLE QP 2	181571	0	0.00067	33.1	0.0223	15	Si

Solaio P2 cp3

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Geometria



Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (6457; -215; 690), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
7490	X	100	20	15.16	5.7	15.16	4.9	SLV 9	-654944	0	-665536	0	1.0162	Si
7848	Y	100	20	9.68	3.7	5.65	3.6	SLU 51	-552572	0	-564801	0	1.0221	Si
8680	X	100	20	15.71	5.3	5.65	4.8	SLV 9	-572325	0	-587866	0	1.0272	Si
8604	X	100	20	19.73	5.3	5.65	4.8	SLV 5	302985	0	313225	0	1.0338	Si
7554	X	100	20	11.03	5.3	11.03	4.9	SLV 5	-441477	0	-456481	0	1.034	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
7848	Y	100	20	9.68	3.7	5.65	3.6	SLD 5	-377690	0	-460437	0	1.2191	Si
7590	X	100	20	15.14	5.3	5.65	4.8	SLD 1	-426789	0	-522764	0	1.2249	Si
10363	Y	75.8	20	4.29	3.6	4.29	3.6	SLD 15	-186107	0	-245316	0	1.3181	Si
10366	Y	65	20	3.68	3.6	3.68	3.6	SLD 3	-145079	0	-193207	0	1.3317	Si
7554	X	100	20	11.03	5.3	11.03	4.9	SLD 5	-331568	0	-456481	0	1.3767	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
10099	X	100	20	25.76	5.4	5.65	4.8	SLE QP 2	-553278	0	-117.1	138.2	15	Si
7499	X	100	20	24.75	5.4	12.58	4.9	SLE QP 2	-557166	0	-114.8	138.2	15	Si

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
7524	Y	50	20	12.88	3.8	2.83	3.6	SLE QP 2	-331334	0	-113.6	138.2	15	Si
7581	X	100	20	19.63	5.7	9.57	4.9	SLE QP 2	-474023	0	-112.1	138.2	15	Si
7671	X	100	20	25.34	5.4	5.65	4.8	SLE QP 2	-515891	0	-109.7	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
7562	X	100	20	5.65	5.2	5.65	4.8	SLE RA 12	-231186	0	3024.4	3600	15	Si
7640	X	100	20	11.23	5.3	11.23	4.9	SLE RA 13	-411099	0	2909.9	3600	15	Si
7799	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 12	240048	0	2867.1	3600	15	Si
10363	Y	75.8	20	4.29	3.6	4.29	3.6	SLE RA 12	-181931	0	2864.9	3600	15	Si
9498	X	100	20	5.65	4.8	5.65	4.8	SLE RA 13	223628	0	2850	3600	15	Si

Verifiche SLE fessurazione nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	εsm	Δmax	Wd	Es/Ec	Verifica
9498	X	100	20	5.65	4.8	5.65	4.8	SLE QP 2	192056	0	0.00071	33.1	0.0236	15	Si
7562	X	100	20	5.65	5.2	5.65	4.8	SLE QP 2	-186046	0	0.00071	33.1	0.0235	15	Si
9372	X	100	20	5.65	4.8	5.65	4.8	SLE QP 2	185582	0	0.00069	33.1	0.0228	15	Si
9499	X	100	20	5.65	4.8	5.65	4.8	SLE QP 2	185341	0	0.00069	33.1	0.0228	15	Si
9494	X	100	20	5.65	4.8	5.65	4.8	SLE QP 2	184482	0	0.00068	33.1	0.0226	15	Si

Solaio P3 - cp3

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Geometria

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (6457; -215; 1000), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
13177	Y	100	20	5.65	3.6	5.65	3.6	SLV 3	-327374	0	-328730	0	1.0041	Si
12704	X	100	20	5.65	5.2	5.65	4.8	SLV 7	-298322	0	-299854	0	1.0051	Si
12089	X	100	20	17.01	5.3	6.79	4.8	SLV 9	-657203	0	-663784	0	1.01	Si
11037	X	100	20	10.74	5.3	5.65	4.8	SLU 51	-552553	0	-560890	0	1.0151	Si
12044	X	100	20	16.48	5.3	5.65	4.8	SLV 1	-597977	0	-610163	0	1.0204	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
10877	X	100	20	9.21	5.3	9.21	4.9	SLD 9	-329727	0	-417577	0	1.2664	Si
11037	X	100	20	10.74	5.3	5.65	4.8	SLD 9	-349312	0	-446791	0	1.2791	Si
11030	Y	92.3	20	19.29	3.7	5.22	3.6	SLD 3	-650331	0	-865789	0	1.3313	Si
10919	X	100	20	11.03	5.3	11.03	4.9	SLD 5	-341284	0	-456481	0	1.3375	Si
13424	Y	100	20	17.46	3.7	5.65	3.6	SLD 1	-506762	0	-687787	0	1.3572	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
13374	X	100	20	25.76	5.8	5.65	4.8	SLE QP 2	-522812	0	-116.3	138.2	15	Si
11050	X	100	20	27.77	5.4	5.65	4.8	SLE QP 2	-558560	0	-115.8	138.2	15	Si
13399	X	100	20	25.76	5.4	5.65	4.8	SLE QP 2	-539983	0	-114.3	138.2	15	Si
11030	Y	92.3	20	19.29	3.7	5.22	3.6	SLE QP 2	-577406	0	-114	138.2	15	Si
12001	X	100	20	25.76	5.4	5.65	4.8	SLE QP 2	-530016	0	-112.2	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
10902	X	100	20	5.65	5.2	5.65	4.8	SLE RA 12	-247920	0	3243.3	3600	15	Si
10927	X	100	20	5.65	5.2	5.65	4.8	SLE RA 12	-235616	0	3082.3	3600	15	Si
10990	X	100	20	5.65	5.2	5.65	4.8	SLE RA 10	-223940	0	2929.6	3600	15	Si
11037	X	100	20	10.74	5.3	5.65	4.8	SLE RA 12	-388336	0	2850.1	3600	15	Si
11186	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 13	-238025	0	2842.9	3600	15	Si

Verifiche SLE fessurazione nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	εsm	Δmax	Wd	Es/Ec	Verifica
10902	X	100	20	5.65	5.2	5.65	4.8	SLE QP 2	-195776	0	0.00075	33.1	0.0247	15	Si
10927	X	100	20	5.65	5.2	5.65	4.8	SLE QP 2	-189672	0	0.00072	33.1	0.024	15	Si
10877	X	100	20	9.21	5.3	9.21	4.9	SLE QP 2	-293068	0	0.0012	19.4	0.0233	15	Si
10990	X	100	20	5.65	5.2	5.65	4.8	SLE QP 2	-178503	0	0.00068	33.1	0.0225	15	Si
12798	X	100	20	5.65	4.8	5.65	4.8	SLE QP 2	182484	0	0.00068	33.1	0.0224	15	Si

Solaio P4 - cp3

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Geometria

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (6457; -215; 1310), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
16728	X	100	20	21.74	5.7	5.65	4.8	SLV 11	-874572	0	-874653	0	1.0001	Si
16247	Y	100	20	19.29	3.7	9.24	3.7	SLV 15	-843919	0	-844685	0	1.0009	Si
16646	Y	98.8	20	15.59	3.7	11.55	3.7	SLV 1	-704368	0	-705819	0	1.0021	Si
16079	X	100	20	5.65	5.2	5.65	4.8	SLV 11	-295492	0	-299854	0	1.0148	Si
15013	X	84.6	20	20.87	5.4	4.78	4.8	SLV 5	260261	0	264244	0	1.0153	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
16283	X	100	20	5.65	4.8	5.65	4.8	SLD 11	235859	0	307862	0	1.3053	Si
15254	X	100	20	14.67	5.3	5.65	4.8	SLD 1	-397950	0	-537978	0	1.3519	Si
14051	X	100	20	9.21	5.3	9.21	4.9	SLD 9	-307402	0	-417577	0	1.3584	Si
16748	X	100	20	21.74	5.3	5.65	4.8	SLD 7	-616062	0	-838711	0	1.3614	Si
14297	Y	100	20	13.49	3.7	16.43	3.7	SLD 9	-460214	0	-636850	0	1.3838	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
16782	X	100	20	25.76	5.8	5.65	4.8	SLE QP 2	-599992	0	-133.4	138.2	15	Si
14030	Y	50	20	16.27	3.9	2.83	3.6	SLE QP 2	-407697	0	-133	138.2	15	Si
16744	X	100	20	25.76	5.8	5.65	4.8	SLE QP 2	-573885	0	-127.6	138.2	15	Si
16781	X	100	20	23.75	5.8	5.65	4.8	SLE QP 2	-558622	0	-127.1	138.2	15	Si
16782	X	100	20	25.76	5.8	5.65	4.8	SLE RA 13	-753929	0	-167.6	184.3	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
16283	X	100	20	5.65	4.8	5.65	4.8	SLE RA 12	253334	0	3228.6	3600	15	Si
15937	X	100	20	5.65	4.8	5.65	4.8	SLE RA 13	245341	0	3126.7	3600	15	Si
15965	X	100	20	5.65	4.8	5.65	4.8	SLE RA 13	244853	0	3120.5	3600	15	Si
15936	X	100	20	5.65	4.8	5.65	4.8	SLE RA 13	241636	0	3079.5	3600	15	Si
15983	X	100	20	5.65	4.8	5.65	4.8	SLE RA 13	239173	0	3048.1	3600	15	Si

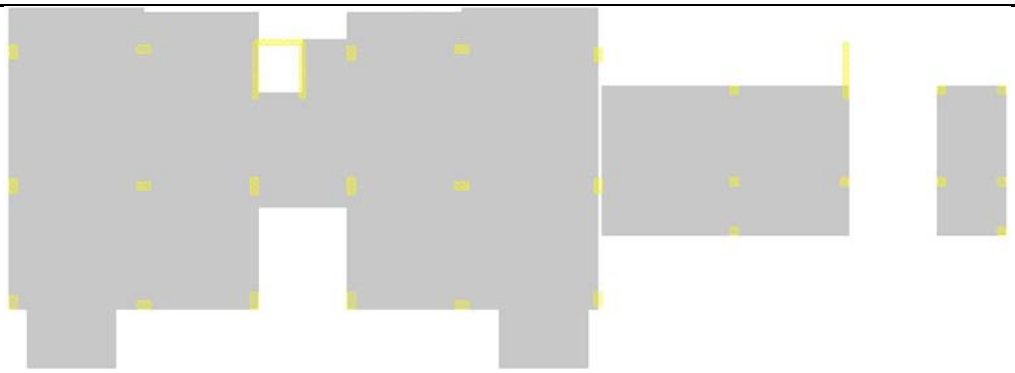
Verifiche SLE fessurazione nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	εsm	Δmax	Wd	Es/Ec	Verifica
16283	X	100	20	5.65	4.8	5.65	4.8	SLE QP 2	205119	0	0.00076	33.1	0.0252	15	Si
15937	X	100	20	5.65	4.8	5.65	4.8	SLE QP 2	194599	0	0.00072	33.1	0.0239	15	Si
15965	X	100	20	5.65	4.8	5.65	4.8	SLE QP 2	194528	0	0.00072	33.1	0.0239	15	Si
15936	X	100	20	5.65	4.8	5.65	4.8	SLE QP 2	191709	0	0.00071	33.1	0.0235	15	Si
15983	X	100	20	5.65	4.8	5.65	4.8	SLE QP 2	190341	0	0.00071	33.1	0.0234	15	Si

Solaio P5 - cp3

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Geometria



Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (6457; -215; 1620), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
19122	X	100	20	23.75	5.8	5.65	4.8	SLV 11	-922593	0	-923723	0	1.0012	Si
18846	Y	100	20	19.29	3.7	9.24	3.7	SLV 15	-842970	0	-844685	0	1.002	Si
19219	Y	100	20	11.47	3.7	7.45	3.6	SLV 13	-483457	0	-485547	0	1.0043	Si
17341	Y	100	20	5.65	3.6	5.65	3.6	SLU 51	366855	0	372764	0	1.0161	Si
18297	Y	100	20	7.67	3.7	5.65	3.6	SLU 51	-458605	0	-470103	0	1.0251	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
18183	X	100	20	7.62	5.3	5.65	4.8	SLD 1	-265483	0	-346107	0	1.3037	Si
17354	X	80	20	13.83	5.3	11.82	4.9	SLD 5	-481604	0	-632487	0	1.3133	Si
19219	Y	100	20	11.47	3.7	7.45	3.6	SLD 13	-366048	0	-485547	0	1.3265	Si
19122	X	100	20	23.75	5.8	5.65	4.8	SLD 11	-682690	0	-923723	0	1.3531	Si
19284	Y	75.8	20	4.29	3.6	4.29	3.6	SLD 1	-177754	0	-245199	0	1.3794	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
19138	X	100	20	25.76	5.8	5.65	4.8	SLE QP 2	-587040	0	-130.5	138.2	15	Si
19123	X	100	20	23.75	5.4	5.65	4.8	SLE QP 2	-570141	0	-123.5	138.2	15	Si
19122	X	100	20	23.75	5.8	5.65	4.8	SLE QP 2	-529550	0	-120.5	138.2	15	Si
17354	X	80	20	13.83	5.3	11.82	4.9	SLE QP 2	-395744	0	-113.9	138.2	15	Si
19138	X	100	20	25.76	5.8	5.65	4.8	SLE RA 12	-664753	0	-147.8	184.3	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
18282	X	100	20	5.65	5.2	5.65	4.8	SLE RA 8	-243503	0	3185.5	3600	15	Si
17341	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 12	257239	0	3072.4	3600	15	Si
17348	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 11	253079	0	3022.7	3600	15	Si
18382	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 8	252720	0	3018.4	3600	15	Si
18383	Y	100	20	5.65	3.6	5.65	3.6	SLE RA 8	252488	0	3015.7	3600	15	Si

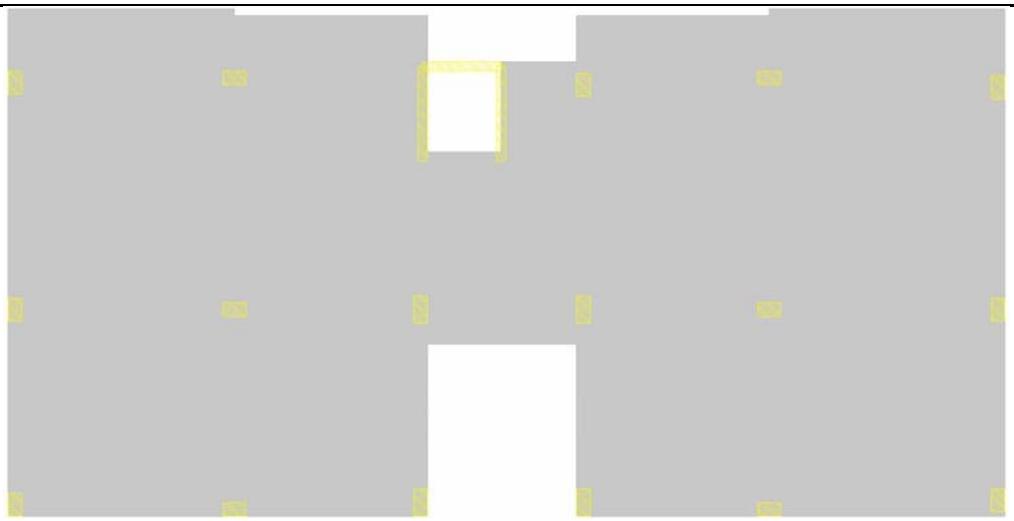
Verifiche SLE fessurazione nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	εsm	Δmax	Wd	Es/Ec	Verifica
18282	X	100	20	5.65	5.2	5.65	4.8	SLE QP 2	-193626	0	0.00074	33.1	0.0245	15	Si
18720	X	100	20	5.65	4.8	5.65	4.8	SLE QP 2	196269	0	0.00073	33.1	0.0241	15	Si
18183	X	100	20	7.62	5.3	5.65	4.8	SLE QP 2	-235375	0	0.00115	19.8	0.0227	15	Si
17354	X	80	20	13.83	5.3	11.82	4.9	SLE QP 2	-395744	0	0.00115	18	0.0207	15	Si
18748	X	100	20	5.65	4.8	6.79	4.8	SLE QP 2	208523	0	0.00065	29.7	0.0194	15	Si

Solaio P8 - cp3

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Geometria



Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (6457; 0; 1930), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
20026	X	100	20	21.74	5.3	11.69	5.3	SLU 52	-978761	0	-998435	0	1.0201	Si
20437	X	100	20	5.65	4.8	5.86	4.8	SLU 51	372425	0	382958	0	1.0283	Si
20798	X	100	20	30.79	5.5	5.65	4.8	SLV 11	-1001585	0	-1031044	0	1.0294	Si
19444	X	100	20	11.01	5.3	11.01	4.9	SLV 13	-439104	0	-452253	0	1.0299	Si
20654	Y	100	20	5.65	3.6	5.65	3.6	SLU 52	360967	0	372764	0	1.0327	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
20798	X	100	20	30.79	5.5	5.65	4.8	SLD 11	-786038	0	-1031044	0	1.3117	Si
20591	X	100	20	5.65	4.8	11.69	5.3	SLD 7	356024	0	476439	0	1.3382	Si
20784	X	100	20	33.93	5.5	5.65	4.8	SLD 11	-796622	0	-1074066	0	1.3483	Si
20587	X	100	20	5.65	4.8	9.68	5.3	SLD 11	307337	0	417547	0	1.3586	Si
20437	X	100	20	5.65	4.8	5.86	4.8	SLD 5	228750	0	313248	0	1.3694	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
20799	X	100	20	37.07	5.5	5.65	4.8	SLE QP 2	-696755	0	-136.9	138.2	15	Si
20784	X	100	20	33.93	5.5	5.65	4.8	SLE QP 2	-665494	0	-133.6	138.2	15	Si
20798	X	100	20	30.79	5.5	5.65	4.8	SLE QP 2	-641325	0	-131.9	138.2	15	Si
20799	X	100	20	37.07	5.5	5.65	4.8	SLE RA 12	-867608	0	-170.4	184.3	15	Si
20784	X	100	20	33.93	5.5	5.65	4.8	SLE RA 12	-829796	0	-166.6	184.3	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
20603	X	100	20	5.65	5.2	5.65	5.2	SLE RA 12	256052	0	3319.4	3600	15	Si
20592	X	100	20	5.65	4.8	5.65	4.8	SLE RA 12	259240	0	3303.9	3600	15	Si
20437	X	100	20	5.65	4.8	5.86	4.8	SLE RA 12	263386	0	3250.1	3600	15	Si
20526	X	100	20	5.65	4.8	5.65	4.8	SLE RA 13	254921	0	3248.8	3600	15	Si
20559	X	100	20	5.65	4.8	5.65	5.2	SLE RA 13	248088	0	3245.5	3600	15	Si

Verifiche SLE fessurazione nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	εsm	Δmax	Wd	Es/Ec	Verifica
20603	X	100	20	5.65	5.2	5.65	5.2	SLE QP 2	205007	0	0.00077	34.4	0.0267	15	Si
20526	X	100	20	5.65	4.8	5.65	4.8	SLE QP 2	209066	0	0.00078	33.1	0.0257	15	Si
20592	X	100	20	5.65	4.8	5.65	4.8	SLE QP 2	205584	0	0.00076	33.1	0.0252	15	Si
20609	X	100	20	5.65	5.2	5.65	5.2	SLE QP 2	193104	0	0.00073	34.4	0.0251	15	Si
20559	X	100	20	5.65	4.8	5.65	5.2	SLE QP 2	197781	0	0.00075	33.1	0.025	15	Si

Solaio P9 - cp3

Verifiche condotte secondo D.M. 17-01-18 (N.T.C.)

Geometria

Caratteristiche dei materiali

Acciaio: B450C Fyk 4500
Calcestruzzo: C30/37 Rck 370

Sistema di riferimento e direzioni di armatura

Le coordinate citate nel seguito sono espresse in un sistema di riferimento cartesiano con origine in (6457; 270; 2240), direzione dell'asse X = (1; 0; 0), direzione dell'asse Y = (0; 1; 0).
Le direzioni X/Y di armatura e le sezioni X/Y di verifica sono individuate dagli assi del sistema di riferimento.

Verifiche nei nodi

Verifiche SLU flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione, per le combinazioni SLV, viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
21241	Y	100	20	11.69	3.7	5.65	3.6	SLU 52	-678737	0	-681257	0	1.0037	Si
21234	Y	100	20	10.89	3.7	10.89	3.7	SLU 52	-612986	0	-642157	0	1.0476	Si
21258	Y	100	20	9.68	3.7	5.65	3.6	SLU 48	-517878	0	-567512	0	1.0958	Si
21206	Y	100	20	9.15	3.7	9.15	3.7	SLU 52	-468143	0	-538946	0	1.1512	Si
21241	X	100	20	17.34	5.3	5.65	4.8	SLU 52	-701567	0	-853339	0	1.2163	Si

Verifiche SLD Resistenza flessione nei nodi

La struttura è stata dichiarata come non dissipativa pertanto la verifica a pressoflessione viene eseguita calcolando i momenti resistenti in campo sostanzialmente elastico secondo D.M. 17-01-2018 §7.4.1

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	Mu	Nu	c.s.	Verifica
21241	Y	100	20	11.69	3.7	5.65	3.6	SLD 1	-467683	0	-640641	0	1.3698	Si
21206	Y	100	20	9.15	3.7	9.15	3.7	SLD 1	-322627	0	-451049	0	1.3981	Si
21234	Y	100	20	10.89	3.7	10.89	3.7	SLD 1	-421683	0	-593029	0	1.4063	Si
21258	Y	100	20	9.68	3.7	5.65	3.6	SLD 1	-325313	0	-473744	0	1.4563	Si
21273	Y	100	20	9.68	3.7	5.65	3.6	SLD 13	-282314	0	-441836	0	1.5651	Si

Verifiche SLE tensione calcestruzzo nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σc	σlim	Es/Ec	Verifica
21241	X	100	20	17.34	5.3	5.65	4.8	SLE QP 2	-392223	0	-92.7	138.2	15	Si
21241	X	100	20	17.34	5.3	5.65	4.8	SLE RA 13	-495329	0	-117.1	184.3	15	Si
21241	Y	100	20	11.69	3.7	5.65	3.6	SLE QP 2	-382267	0	-84	138.2	15	Si
21241	Y	100	20	11.69	3.7	5.65	3.6	SLE RA 13	-479151	0	-105.3	184.3	15	Si
21501	Y	50	20	8.86	3.7	2.83	3.6	SLE QP 2	-196071	0	-75.1	138.2	15	Si

Verifiche SLE tensione acciaio nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	σf	σlim	Es/Ec	Verifica
21241	Y	100	20	11.69	3.7	5.65	3.6	SLE RA 13	-479151	0	2913.8	3600	15	Si
21234	Y	100	20	10.89	3.7	10.89	3.7	SLE RA 13	-436697	0	2852.1	3600	15	Si
21258	Y	100	20	9.68	3.7	5.65	3.6	SLE RA 9	-366263	0	2656.2	3600	15	Si
21206	Y	100	20	9.15	3.7	9.15	3.7	SLE RA 13	-333658	0	2560.3	3600	15	Si
21199	Y	100	20	7.67	3.7	5.65	3.6	SLE RA 13	-271089	0	2442.2	3600	15	Si

Verifiche SLE fessurazione nei nodi

Nodo	Dir.	B	H	A. sup.	C. sup.	A. inf.	C. inf.	Comb.	M	N	εsm	Δmax	Wd	Es/Ec	Verifica
21241	X	100	20	17.34	5.3	5.65	4.8	SLE QP 2	-392223	0	0.00089	17.7	0.0158	15	Si
21241	Y	100	20	11.69	3.7	5.65	3.6	SLE QP 2	-382267	0	0.00081	18.5	0.015	15	Si
21234	Y	100	20	10.89	3.7	10.89	3.7	SLE QP 2	-338481	0	0.00073	20.2	0.0148	15	Si
21231	X	100	20	13.07	5.3	5.65	4.8	SLE QP 2	-254052	0	0.00075	18.5	0.0139	15	Si
21199	Y	100	20	7.67	3.7	5.65	3.6	SLE QP 2	-213577	0	0.00056	24.5	0.0137	15	Si

8.5 Verifiche superelementi aste acciaio laminate

Le unità di misura elencate nel capitolo sono in [cm, daN, deg] ove non espressamente specificato.

***Sezione**: sezione in acciaio.*
***Rotazione**: rotazione della sezione. [deg]*
***Area**: area inerziale nel sistema geometrico centrato nel baricentro. [cm²]*
***Jx**: momento d'inerzia attorno all'asse orizzontale baricentrico di definizione della sezione. [cm4]*
***Jy**: momento d'inerzia attorno all'asse verticale baricentrico di definizione della sezione. [cm4]*
***ix**: raggio di inerzia relativo all'asse x. [cm]*
***iy**: raggio di inerzia relativo all'asse y. [cm]*
***Wx**: modulo di resistenza elastico minimo relativo all'asse x. [cm³]*
***Wy**: modulo di resistenza elastico minimo relativo all'asse y. [cm³]*
***Wplx**: modulo di resistenza plastico relativo all'asse x. [cm³]*
***Wply**: modulo di resistenza plastico relativo all'asse y. [cm³]*
***X**: distanza dal nodo iniziale. [cm]*
***Comb.**: combinazione di verifica.*
***Sfruttamento**: rapporto di sfruttamento per la verifica in esame, inverso del coefficiente di sicurezza. Verificato se minore o uguale di 1.*
***Classe**: classe della sezione.*
***NEd**: sollecitazione assiale. [daN]*
***Nc,Rd**: resistenza assiale a compressione ridotta per taglio. [daN]*
***Nt,Rd**: resistenza assiale a trazione ridotta per taglio. [daN]*
***Riduzione da taglio**: rapporto tra la resistenza assiale ridotta per taglio e la resistenza assiale.*
***ρx**: coefficiente di riduzione della resistenza di snervamento per taglio in direzione x.*
***ρy**: coefficiente di riduzione della resistenza di snervamento per taglio in direzione y.*
***Verifica**: stato di verifica.*
***VEd**: sollecitazione di taglio. [daN]*
***Vc,Rd**: resistenza a taglio. [daN]*
***Av**: area resistenza a taglio. [cm²]*
***Interazione taglio-torsione**: indica se è possibile ridurre il taglio resistente per presenza di torsione.*
***Riduzione torsione**: coefficiente riduttivo della resistenza a taglio per presenza di torsione.*
***Mx,Ed**: sollecitazione flettente attorno x-x. [daN*cm]*
***Mx,Rd**: resistenza a flessione attorno x-x ridotta per taglio. [daN*cm]*
***Rid. Mx,Rd da VEd**: rapporto tra la resistenza flettente ridotta per taglio e la resistenza flettente attorno x-x.*
***My,Ed**: sollecitazione flettente attorno y-y. [daN*cm]*
***My,Rd**: resistenza a flessione attorno y-y ridotta per taglio. [daN*cm]*
***Rid. My,Rd da VEd**: rapporto tra la resistenza flettente ridotta per taglio e la resistenza flettente attorno y-y.*
***α**: esponente α per flessione deviata.*
***β**: esponente β per flessione deviata.*
***NRd**: resistenza assiale ridotta per taglio. [daN]*
***Rid. NRd da VEd**: rapporto tra la resistenza assiale ridotta per taglio e la resistenza assiale.*
***Mx,Rd**: resistenza a flessione attorno x-x ridotta. [daN*cm]*
***Rid. Mx,Rd da NEd**: rapporto tra la resistenza flettente ridotta per sforzo normale e taglio e la resistenza flettente ridotta per taglio attorno x-x.*
***My,Rd**: resistenza a flessione attorno y-y ridotta. [daN*cm]*
***Rid. My,Rd da NEd**: rapporto tra la resistenza flettente ridotta per sforzo normale e taglio e la resistenza flettente ridotta per taglio attorno y-y.*
***Numero rit.**: numero del ritegno.*
***Presente**: indica se il ritegno è presente o meno.*
***Ascissa**: ascissa del ritegno rispetto al nodo iniziale del superelemento o ascissa iniziale e finale della campata. [cm]*
***Campata**: campata tra i ritegni.*
***βx/m**: coefficiente di lunghezza efficace per rotazione attorno a x/m.*
***Vincolo a entrambi estremi**: indica se il tratto è vincolato a entrambi gli estremi.*
***λx/m**: snellezza attorno a x/m del tratto tra i due ritegni.*
***λVer**: snellezza accettabile.*
***βy/n**: coefficiente di lunghezza efficace per rotazione attorno a y/n.*
***k,LT**: coefficiente di lunghezza efficace per rotazione nel calcolo del momento critico ENV1993-1-1 F 1.2(3).*
***kw,LT**: coefficiente di lunghezza efficace per ingobbamento nel calcolo del momento critico ENV1993-1-1 F 1.2(4).*
***λy/n**: snellezza attorno a y/n del tratto tra i due ritegni.*
***Obblig.**: indica se la verifica è obbligatoria da norma.*
***Mx,Eff,Ed**: momento interno efficace di verifica attorno x-x secondo ENV1993-1-1 §5.5.3. [daN*cm]*
***Mb,Rd,x**: momento resistente di progetto per l'instabilità per sollecitazione flettente attorno l'asse x-x. [daN*cm]*
***χ,LT**: coefficiente di riduzione per instabilità flesso-torsionale.*
***λ adim. LT**: snellezza adimensionale per instabilità flesso-torsionale.*
***L,LT**: distanza tra due ritegni torsionali. [cm]*
***M,critico**: momento critico. [daN*cm]*
***kLT**: valore di kLT.*
***ky**: valore di ky.*
***Wx**: modulo resistente della sezione per inflessione attorno all'asse x-x. [cm³]*
***Wy**: modulo resistente della sezione per inflessione attorno all'asse y-y. [cm³]*
***NRk**: resistenza caratteristica assiale. [daN]*
***Mx,Ed max**: momento sollecitante massimo attorno l'asse x-x tra due ritegni all'inflessione attorno x-x. [daN*cm]*
***Mx,Rk**: resistenza caratteristica a flessione attorno l'asse x-x. [daN*cm]*
***My,Ed max**: momento sollecitante massimo attorno l'asse y-y tra due ritegni all'inflessione attorno y-y. [daN*cm]*
***My,Rk**: resistenza caratteristica a flessione attorno l'asse y-y. [daN*cm]*
***χ,x**: coefficiente di riduzione per inflessione attorno l'asse x-x.*
***χ,y**: coefficiente di riduzione per inflessione attorno l'asse y-y.*
***kxx**: valore di kxx.*
***kxy**: valore di kxy.*
***kyx**: valore di kyx.*
***kyy**: valore di kyy.*

***η**: valore di η.*
***hw**: altezza dell'anima. [cm]*
***tw**: spessore dell'anima. [cm]*
***hw/tw max**: rapporto tra hw e tw massimo.*
***Ascissa freccia**: ascissa della massima freccia. [cm]*
***Combinazione**: combinazione di verifica in cui è ricavata la freccia.*
***Freccia**: massima freccia. [cm]*
***Luce**: luce di verifica. [cm]*
***L/f**: rapporto luce su freccia.*
***L/f,min**: minimo rapporto luce su freccia consentito.*
***Tipo**: freccia calcolata considerando le sole condizioni variabili o tutte le condizioni (totale) all'interno della combinazione di verifica.*
***Sfruttamento torsione**: rapporto tra TEd e TRd.*
***TEd**: sollecitazione torcente. [daN*cm]*
***TRd**: resistenza a torsione. [daN*cm]*
***Riduzione taglio resistente**: indica se è possibile ridurre il taglio resistente per presenza di torsione.*
***Sfruttamento taglio-torsione**: τEd,totale / (0.5 * τRd). Non verificato se maggiore di 1.*
***τEd,totale**: somma delle tensioni tangenziali totale derivanti da taglio e torsione. [daN/cm²]*
***τRd**: tensione tangenziale resistente. [daN/cm²]*

Superelemento in acciaio a "Piano 5" (9487; 0)-(9840; 0)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 353
Nodo iniziale: 17398 Nodo finale: 17399
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
353	SLV 16	0.002		122.3		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
353	SLD 16	0.001		85.7		57288	1	0	0	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
353	SLU 48	0.03	-391.3	12943.3	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLD 1	0.01	128.3	12943.3	10.02	Considerata	1	Si

Verifica a flessione semplice X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
176.5	SLV 6	0.055	1	-12021.4	219349.2	1	0	0	Si

Verifica a flessione semplice Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	My,Ed	My,Rd	Rid. My,Rd da VEd	ρx	ρy	Verifica
0	SLV 5	0.022	1	-2409.4	110691.5	1	0	0	Si

Verifica a flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
141.2	SLV 5	0.057	1	-11538	219349	-484	110692	1	1			0	0	Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
176.5	SLU 48	0.171	1	97.8	57288	1	-37122	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
176.5	SLD 16	0.056	1	85.7	57288	1	-12021	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLV 9	0.03	1	31.9	57288	1	-3233	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLD 10	0.018	1	47	57288	1	-1846	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
164.7	SLU 48	0.171	1	97.8	57288	1	-36956	219349	-74	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
153	SLD 14	0.057	1	75	57288	1	-11807	219349	-213	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	88.8	Si, (<200)
2	Si	353					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	141.4	Si, (<200)
2	Si	353							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
176.5	SLU 47	0.204	1	Si	95.7	-37122.2	-36901.8	180997.2	0.825	0.785	353	373431.6	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
176.5	SLD 1	0.066	1	Si	30.7	-12021.4	-11950.7	180997.2	0.825	0.785	353	373431.6	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
164.7	SLU 47	0.204	1	95.7	-36956.2	-36735.8	-78.2	0.825	1	1	373431.6	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
153	SLD 9	0.067	1	47	-11806.5	-11698.3	-247.8	0.825	1	1	373431.6	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
353	SLV 6	0.075	1	0	60152.4	12021.4	230316.7	2409.4	116226.1	0.632	0.313	0.95	0.24	1	0.4	0.825	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
70.6	SLE RA 1	0.004	353	10000	250	Totale	Si
70.6	SLE RA 2	0.003	353	10000	250	Totale	Si
70.6	SLE RA 3	0.004	353	10000	250	Totale	Si
70.6	SLE RA 4	0.004	353	10000	250	Totale	Si
70.6	SLE RA 5	0.004	353	10000	250	Totale	Si
82.4	SLE RA 2	0	353	10000	350	Variabile	Si
82.4	SLE RA 3	0	353	10000	350	Variabile	Si
70.6	SLE RA 4	0	353	10000	350	Variabile	Si
270.6	SLE RA 5	0	353	10000	350	Variabile	Si
282.4	SLE RA 6	-0.001	353	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
176.5	SLE RA 8	-0.39	353	905.9	250	Totale	Si
176.5	SLE RA 9	-0.39	353	905.9	250	Totale	Si
176.5	SLE RA 5	-0.348	353	1015	250	Totale	Si
176.5	SLE RA 4	-0.348	353	1015	250	Totale	Si
176.5	SLE RA 13	-0.318	353	1110.6	250	Totale	Si
176.5	SLE RA 8	-0.221	353	1594.1	350	Variabile	Si
176.5	SLE RA 9	-0.221	353	1594.1	350	Variabile	Si
176.5	SLE RA 4	-0.18	353	1966	350	Variabile	Si
176.5	SLE RA 5	-0.18	353	1966	350	Variabile	Si
176.5	SLE RA 12	-0.15	353	2359.2	350	Variabile	Si

Superelemento in acciaio a "Piano 5" (9487; 100)-(9840; 100)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 353
Nodo iniziale: 17513 Nodo finale: 17514
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
353	SLV 16	0.001		37.2		57288	1	0	0	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
353	SLU 48	0.057	-736.5	12943.3	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLD 1	0.017	221.2	12943.3	10.02	Considerata	1	Si

Verifica a flessione semplice X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
176.5	SLU 48	0.32	1	-70175.7	219349.2	1	0	0	Si

Verifica a flessione semplice X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
176.5	SLD 9	0.095	1	-20912.9	219349.2	1	0	0	Si

Verifica a flessione semplice Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	My,Ed	My,Rd	Rid. My,Rd da VEd	ρx	ρy	Verifica
353	SLV 10	0.03	1	3268.9	110691.5	1	0	0	Si

Verifica a flessione semplice Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	My,Ed	My,Rd	Rid. My,Rd da VEd	ρx	ρy	Verifica
0	SLD 10	0.017	1	-1870.5	110691.5	1	0	0	Si

Verifica a flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
164.7	SLU 48	0.319	1	-69862	219349	-81	110692	1	1			0	0	Si

Verifica a flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
164.7	SLD 9	0.096	1	-20819	219349	-126	110692	1	1			0	0	Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
176.5	SLV 15	0.096	1	37.2	57288	1	-20913	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
353	SLV 13	0.025	1	27.6	57288	1	2719	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
200	SLV 14	0.097	1	27.6	57288	1	-20539	219349	363	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	88.8	Si, (<200)
2	Si	353					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	141.4	Si, (<200)
2	Si	353							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
176.5	SLV 13	0.115	1	Si	27.6	-20912.9	-20849.4	180997.2	0.825	0.785	353	373431.6	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
200	SLV 13	0.116	1	27.6	-20538.9	-20475.3	363.3	0.825	1	1	373431.6	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
282.4	SLU 47	0.392	1	0	60152.4	70175.7	230316.7	1150.8	116226.1	0.632	0.313	0.95	0.24	1	0.4	0.825	Si

Verifica di stabilità per pressoflessione SLD §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
353	SLD 10	0.122	1	0	60152.4	20912.9	230316.7	1870.5	116226.1	0.632	0.313	0.95	0.24	1	0.4	0.825	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
70.6	SLE RA 1	0.004	353	10000	250	Totale	Si
82.4	SLE RA 2	0.004	353	10000	250	Totale	Si
82.4	SLE RA 3	0.004	353	10000	250	Totale	Si
70.6	SLE RA 4	0.004	353	10000	250	Totale	Si
70.6	SLE RA 5	0.004	353	10000	250	Totale	Si
270.6	SLE RA 2	0	353	10000	350	Variabile	Si
258.9	SLE RA 3	0	353	10000	350	Variabile	Si
70.6	SLE RA 4	0	353	10000	350	Variabile	Si
105.9	SLE RA 5	0	353	10000	350	Variabile	Si
82.4	SLE RA 6	0.001	353	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
176.5	SLE RA 8	-0.731	353	483	250	Totale	Si
176.5	SLE RA 9	-0.731	353	483	250	Totale	Si
176.5	SLE RA 4	-0.647	353	545.6	250	Totale	Si
176.5	SLE RA 5	-0.647	353	545.6	250	Totale	Si
176.5	SLE RA 12	-0.587	353	601.2	250	Totale	Si
176.5	SLE RA 9	-0.443	353	797	350	Variabile	Si
176.5	SLE RA 8	-0.443	353	797	350	Variabile	Si
176.5	SLE RA 4	-0.359	353	983	350	Variabile	Si
176.5	SLE RA 5	-0.359	353	983	350	Variabile	Si
176.5	SLE RA 12	-0.299	353	1179.6	350	Variabile	Si

Superelemento in acciaio a "Piano 5" (9487; 200)-(9840; 200)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 353
Nodo iniziale: 17624 Nodo finale: 17625
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
353	SLU 20	0.005	1	-298	57288		1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
353	SLD 4	0.002		122.7		57288	1	0	0	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
353	SLU 48	0.057	-736.5	12943.3	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLD 1	0.017	221.2	12943.3	10.02	Considerata	1	Si

Verifica a flessione semplice X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
176.5	SLU 47	0.32	1	-70175.7	219349.2	1	0	0	Si

Verifica a flessione semplice Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	My,Ed	My,Rd	Rid. My,Rd da VEd	ρx	ρy	Verifica
353	SLU 51	0.011	1	1252.9	110691.5	1	0	0	Si

Verifica a flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
188.3	SLU 47	0.319	1	-69862	219349	80	110692	1	1			0	0	Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
176.5	SLU 48	0.323	1	-183.7	57288	1	-70176	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
176.5	SLD 3	0.097	1	122.7	57288	1	-20913	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
353	SLV 10	0.035	1	-265	57288	1	3363	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
353	SLD 10	0.019	1	-111.8	57288	1	1931	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
164.7	SLU 48	0.323	1	-183.7	57288	1	-69862	219349	-96	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
164.7	SLD 10	0.098	1	-111.8	57288	1	-20819	219349	-124	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	88.8	Si, (<200)
2	Si	353					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	141.4	Si, (<200)
2	Si	353							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
176.5	SLV 12	0.114	1	Si	127	-20912.9	-20620.5	180997.2	0.825	0.785	353	373431.6	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
176.5	SLD 12	0.115	1	Si	56.4	-20912.9	-20783.1	180997.2	0.825	0.785	353	373431.6	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
200	SLV 1	0.115	1	176.3	-20538.9	-20133	385.6	0.825	1	1	373431.6	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
188.3	SLD 2	0.115	1	72.2	-20819.4	-20653.2	116.6	0.825	1	1	373431.6	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
23.5	SLU 48	0.402	1	-183.7	60152.4	70175.7	230316.7	1164.6	116226.1	0.632	0.313	0.954	0.243	0.999	0.406	0.825	Si

Verifica di stabilità per pressoflessione SLD §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
353	SLD 10	0.129	1	-111.8	60152.4	20912.9	230316.7	1931.4	116226.1	0.632	0.313	0.952	0.242	0.999	0.403	0.825	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
282.4	SLE RA 1	-0.004	353	10000	250	Totale	Si
82.4	SLE RA 2	0.004	353	10000	250	Totale	Si
82.4	SLE RA 3	0.004	353	10000	250	Totale	Si
282.4	SLE RA 4	-0.004	353	10000	250	Totale	Si
82.4	SLE RA 5	0.004	353	10000	250	Totale	Si
223.6	SLE RA 2	0.001	353	10000	350	Variabile	Si
211.8	SLE RA 3	0.001	353	10000	350	Variabile	Si
82.4	SLE RA 4	0	353	10000	350	Variabile	Si
141.2	SLE RA 5	0.001	353	10000	350	Variabile	Si
105.9	SLE RA 6	0.001	353	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
176.5	SLE RA 8	-0.731	353	483	250	Totale	Si
176.5	SLE RA 9	-0.731	353	483	250	Totale	Si
176.5	SLE RA 4	-0.647	353	545.6	250	Totale	Si
176.5	SLE RA 5	-0.647	353	545.6	250	Totale	Si
176.5	SLE RA 12	-0.587	353	601.2	250	Totale	Si
176.5	SLE RA 8	-0.443	353	797	350	Variabile	Si
176.5	SLE RA 9	-0.443	353	797	350	Variabile	Si
176.5	SLE RA 4	-0.359	353	983	350	Variabile	Si
176.5	SLE RA 5	-0.359	353	983	350	Variabile	Si
176.5	SLE RA 12	-0.299	353	1179.6	350	Variabile	Si

Superelemento in acciaio a "Piano 5" (9517; 300)-(9840; 300)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 323
Nodo iniziale: 17759 Nodo finale: 17760
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
150.7	SLV 4	0.016		922.4		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
323	SLD 4	0.007		420		57288	1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLV 9	0.001	25.7	27105.4	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLU 48	0.057	-732.6	12943.3	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLD 1	0.017	218.2	12943.3	10.02	Considerata	1	Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLU 48	0.272	1	105.5	57288	1	-59157	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLD 3	0.088	1	420	57288	1	-17618	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
323	SLV 9	0.049	1	-649	57288	1	4150	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
323	SLD 9	0.026	1	-229.3	57288	1	2402	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLU 48	0.271	1	105.5	57288	1	-58894	219349	102	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLD 3	0.088	1	420	57288	1	-17539	219349	92	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	81.3	Si, (<200)
2	Si	323					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	129.4	Si, (<200)
2	Si	323							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLU 47	0.319	1	Si	83.6	-59157.3	-58964.9	184819.7	0.843	0.753	323	406477.5	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLD 12	0.093	1	Si	202	-17617.7	-17152.6	184819.7	0.843	0.753	323	406477.5	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLU 47	0.319	1	83.6	-58894.4	-58702	112.1	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLD 11	0.093	1	202	-17539.4	-17074.3	-32.7	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
301.5	SLV 14	0.146	1	-779.4	60152.4	17617.7	230316.7	3442.5	116226.1	0.683	0.357	0.963	0.253	0.995	0.421	0.843	Si

Verifica di stabilità per pressoflessione SLD §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
301.5	SLD 14	0.116	1	-277	60152.4	17617.7	230316.7	2045.2	116226.1	0.683	0.357	0.954	0.245	0.998	0.408	0.843	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
258.4	SLE RA 1	-0.004	323	10000	250	Totale	Si
258.4	SLE RA 2	-0.004	323	10000	250	Totale	Si
258.4	SLE RA 3	-0.004	323	10000	250	Totale	Si
258.4	SLE RA 4	-0.005	323	10000	250	Totale	Si
258.4	SLE RA 5	-0.004	323	10000	250	Totale	Si
236.9	SLE RA 2	0.001	323	10000	350	Variabile	Si
236.9	SLE RA 3	0	323	10000	350	Variabile	Si
258.4	SLE RA 4	0	323	10000	350	Variabile	Si
86.1	SLE RA 5	0	323	10000	350	Variabile	Si
75.4	SLE RA 6	0.001	323	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
161.5	SLE RA 8	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 9	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 4	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 5	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 12	-0.416	323	776.2	250	Totale	Si
161.5	SLE RA 8	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 9	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 4	-0.255	323	1268.2	350	Variabile	Si

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
161.5	SLE RA 5	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 12	-0.212	323	1521.9	350	Variabile	Si

Superelemento in acciaio a "Piano 5" (9517; 400)-(9840; 400)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 323
Nodo iniziale: 17952 Nodo finale: 17953
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
312.2	SLV 3	0.02		1163.5		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
323	SLD 4	0.01		589.6		57288	1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLV 9	0.001	25.8	27105.4	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLU 48	0.057	732.6	12943.3	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLD 1	0.017	218.2	12943.3	10.02	Considerata	1	Si

Verifica a torsione §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
323	SLV 16	0.001	-8.4	8528.6	Considerata				Si

Verifica a flessione semplice X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
161.5	SLV 5	0.08	1	-17617.7	219349.2	1	0	0	Si

Verifica a flessione semplice Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	My,Ed	My,Rd	Rid. My,Rd da VEd	ρx	ρy	Verifica
323	SLV 5	0.028	1	3134.4	110691.5	1	0	0	Si

Verifica a flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
183	SLV 6	0.084	1	-17305	219349	558	110692	1	1			0	0	Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLU 48	0.276	1	342.7	57288	1	-59157	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLD 3	0.091	1	589.6	57288	1	-17618	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
323	SLV 10	0.047	1	-509.6	57288	1	4174	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
323	SLD 9	0.023	1	-82.2	57288	1	2420	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLU 48	0.276	1	342.7	57288	1	-58894	219349	114	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLD 4	0.091	1	589.6	57288	1	-17539	219349	93	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	81.3	Si, (<200)
2	Si	323					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	129.4	Si, (<200)
2	Si	323							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLU 47	0.316	1	Si	310.1	-59157.3	-58443.3	184819.7	0.843	0.753	323	406477.5	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLD 5	0.094	1	Si	113.2	-17617.7	-17357	184819.7	0.843	0.753	323	406477.5	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLU 47	0.316	1	310.1	-58894.4	-58180.4	116.6	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
183	SLD 6	0.095	1	113.2	-17304.5	-17043.8	328	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
301.5	SLV 14	0.145	1	-750.4	60152.4	17617.7	230316.7	3468.5	116226.1	0.683	0.357	0.962	0.252	0.995	0.421	0.843	Si

Verifica di stabilità per pressoflessione SLD §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
323	SLD 13	0.111	1	-176.5	60152.4	17617.7	230316.7	2061.4	116226.1	0.683	0.357	0.953	0.243	0.999	0.405	0.843	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
247.6	SLE RA 1	-0.004	323	10000	250	Totale	Si
247.6	SLE RA 2	-0.004	323	10000	250	Totale	Si
247.6	SLE RA 3	-0.004	323	10000	250	Totale	Si
258.4	SLE RA 4	-0.005	323	10000	250	Totale	Si
247.6	SLE RA 5	-0.004	323	10000	250	Totale	Si
75.4	SLE RA 2	0	323	10000	350	Variabile	Si
75.4	SLE RA 3	0	323	10000	350	Variabile	Si
258.4	SLE RA 4	0	323	10000	350	Variabile	Si
247.6	SLE RA 5	0	323	10000	350	Variabile	Si
247.6	SLE RA 6	-0.001	323	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
161.5	SLE RA 8	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 9	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 4	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 5	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 12	-0.416	323	776.2	250	Totale	Si
161.5	SLE RA 8	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 9	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 4	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 5	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 12	-0.212	323	1521.9	350	Variabile	Si

Superelemento in acciaio a "Piano 5" (9517; 500)-(9840; 500)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 323
Nodo iniziale: 18196 Nodo finale: 18197
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
312.2	SLV 4	0.025		1450.1		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
323	SLD 4	0.013		765.8		57288	1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLV 9	0.001	25.8	27105.4	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLU 48	0.057	732.6	12943.3	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLD 16	0.017	-218.2	12939.1	10.02	Considerata	1	Si

Verifica a torsione §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
323	SLV 16	0.001	-12.3	8528.6	Considerata				Si

Verifica a torsione SLD §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
0	SLD 15	0.001	-6.9	8528.6	Considerata				Si

Verifica a flessione semplice X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
161.5	SLD 9	0.08	1	-17617.7	219349.2	1	0	0	Si

Verifica a flessione semplice Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	My,Ed	My,Rd	Rid. My,Rd da VEd	ρx	ρy	Verifica
323	SLD 9	0.022	1	2412.9	110691.5	1	0	0	Si

Verifica a flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
183	SLD 9	0.082	1	-17305	219349	322	110692	1	1			0	0	Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLU 48	0.28	1	561.8	57288	1	-59157	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLD 3	0.094	1	765.8	57288	1	-17618	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLV 9	0.046	1	-479.4	57288	1	-4177	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
323	SLD 6	0.022	1	235.4	57288	1	1952	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLU 48	0.279	1	561.8	57288	1	-58894	219349	105	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLD 3	0.094	1	765.8	57288	1	-17539	219349	87	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	81.3	Si, (<200)
2	Si	323					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	129.4	Si, (<200)
2	Si	323							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLU 47	0.314	1	Si	498.8	-59157.3	-58008.6	184819.7	0.843	0.753	323	406477.5	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLD 5	0.092	1	Si	235.4	-17617.7	-17075.7	184819.7	0.843	0.753	323	406477.5	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLU 47	0.313	1	498.8	-58894.4	-57745.7	107.3	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLD 6	0.093	1	235.4	-17539.4	-16997.4	161.7	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
323	SLV 13	0.148	1	-813	60152.4	17617.7	230316.7	3470.2	116226.1	0.683	0.357	0.963	0.253	0.994	0.422	0.843	Si

Verifica di stabilità per pressoflessione SLD §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
323	SLD 13	0.109	1	-128.7	60152.4	17617.7	230316.7	2053.6	116226.1	0.683	0.357	0.952	0.242	0.999	0.404	0.843	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
258.4	SLE RA 1	-0.004	323	10000	250	Totale	Si
258.4	SLE RA 2	-0.004	323	10000	250	Totale	Si
258.4	SLE RA 3	-0.004	323	10000	250	Totale	Si
258.4	SLE RA 4	-0.005	323	10000	250	Totale	Si
258.4	SLE RA 5	-0.004	323	10000	250	Totale	Si
75.4	SLE RA 2	0	323	10000	350	Variabile	Si
75.4	SLE RA 3	0	323	10000	350	Variabile	Si
258.4	SLE RA 4	0	323	10000	350	Variabile	Si
247.6	SLE RA 5	0	323	10000	350	Variabile	Si
247.6	SLE RA 6	-0.001	323	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
161.5	SLE RA 8	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 9	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 4	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 5	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 12	-0.416	323	776.2	250	Totale	Si
161.5	SLE RA 8	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 9	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 4	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 5	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 12	-0.212	323	1521.9	350	Variabile	Si

Superelemento in acciaio a "Piano 5" (9517; 600)-(9840; 600)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 323
Nodo iniziale: 18411 Nodo finale: 18412
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
10.8	SLV 1	0.031		1794.5		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
0	SLD 1	0.017		954.4		57288	1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLV 9	0.001	25.9	27105.4	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLU 47	0.057	732.6	12938.8	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLD 16	0.017	-218.2	12938.2	10.02	Considerata	1	Si

Verifica a torsione §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
323	SLV 16	0.002	-14.9	8528.6	Considerata				Si

Verifica a torsione SLD §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
323	SLD 16	0.001	-8.4	8528.6	Considerata				Si

Verifica a flessione semplice X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
161.5	SLD 11	0.08	1	-17617.7	219349.2	1	0	0	Si

Verifica a flessione semplice Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	My,Ed	My,Rd	Rid. My,Rd da VEd	ρx	ρy	Verifica
323	SLD 13	0.019	1	2060	110691.5	1	0	0	Si

Verifica a flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
140	SLD 14	0.081	1	-17305	219349	-272	110692	1	1			0	0	Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLU 48	0.283	1	748.5	57288	1	-59157	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLD 1	0.097	1	954.4	57288	1	-17618	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
323	SLV 5	0.053	1	1390.4	57288	1	3140	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
323	SLD 6	0.032	1	798	57288	1	1960	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLU 48	0.283	1	748.5	57288	1	-58894	219349	111	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
183	SLD 2	0.098	1	954.4	57288	1	-17305	219349	277	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	81.3	Si, (<200)
2	Si	323					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	129.4	Si, (<200)
2	Si	323							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLU 47	0.312	1	Si	648.8	-59157.3	-57663.3	184819.7	0.843	0.753	323	406477.5	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLD 8	0.092	1	Si	299.8	-17617.7	-16927.3	184819.7	0.843	0.753	323	406477.5	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLU 47	0.312	1	648.8	-58894.4	-57400.4	112.7	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
150.7	SLD 8	0.092	1	299.8	-17539.4	-16849	51.8	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
323	SLV 16	0.15	1	-980.2	60152.4	17617.7	230316.7	1812.8	116226.1	0.683	0.357	0.966	0.256	0.993	0.427	0.843	Si

Verifica di stabilità per pressoflessione SLD §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
323	SLD 16	0.107	1	-140.1	60152.4	17617.7	230316.7	1290	116226.1	0.683	0.357	0.952	0.242	0.999	0.404	0.843	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
258.4	SLE RA 1	-0.004	323	10000	250	Totale	Si
247.6	SLE RA 2	-0.004	323	10000	250	Totale	Si
247.6	SLE RA 3	-0.004	323	10000	250	Totale	Si
258.4	SLE RA 4	-0.005	323	10000	250	Totale	Si
258.4	SLE RA 5	-0.004	323	10000	250	Totale	Si
75.4	SLE RA 2	0	323	10000	350	Variabile	Si
75.4	SLE RA 3	0	323	10000	350	Variabile	Si
258.4	SLE RA 4	0	323	10000	350	Variabile	Si
247.6	SLE RA 5	0	323	10000	350	Variabile	Si
247.6	SLE RA 6	-0.001	323	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
161.5	SLE RA 8	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 9	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 5	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 4	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 13	-0.416	323	776.2	250	Totale	Si
161.5	SLE RA 8	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 9	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 4	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 5	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 12	-0.212	323	1521.9	350	Variabile	Si

Superelemento in acciaio a "Piano 5" (9517; 700)-(9840; 700)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 323
Nodo iniziale: 18619 Nodo finale: 18620
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
183	SLV 1	0.039		2255.7		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
0	SLD 1	0.021		1208.2		57288	1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLV 9	0.001	25.9	27105.4	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLU 47	0.057	732.6	12939.1	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLD 16	0.017	-218.2	12938.9	10.02	Considerata	1	Si

Verifica a torsione §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
323	SLV 16	0.001	-12.1	8528.6	Considerata				Si

Verifica a torsione SLD §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
0	SLD 15	0.001	-7.2	8528.6	Considerata				Si

Verifica a flessione semplice X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
161.5	SLD 11	0.08	1	-17617.7	219349.2	1	0	0	Si

Verifica a flessione semplice Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	My,Ed	My,Rd	Rid. My,Rd da VEd	ρx	ρy	Verifica
0	SLD 11	0.001	1	156.7	110691.5	1	0	0	Si

Verifica a flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
183	SLD 11	0.08	1	-17305	219349	-69	110692	1	1			0	0	Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLU 48	0.287	1	997.3	57288	1	-59157	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLD 1	0.101	1	1208.2	57288	1	-17618	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
323	SLV 5	0.06	1	1784	57288	1	3150	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
323	SLD 6	0.036	1	1030.1	57288	1	1969	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLU 48	0.287	1	997.3	57288	1	-58894	219349	115	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
183	SLD 2	0.103	1	1208.2	57288	1	-17305	219349	279	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	81.3	Si, (<200)
2	Si	323					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	129.4	Si, (<200)
2	Si	323							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLU 47	0.31	1	Si	843.9	-59157.3	-57213.9	184819.7	0.843	0.753	323	406477.5	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLD 14	0.095	1	Si	37.6	-17617.7	-17531.1	184819.7	0.843	0.753	323	406477.5	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLU 47	0.309	1	843.9	-58894.4	-56951	116.2	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
150.7	SLD 14	0.096	1	37.6	-17539.4	-17452.8	-135.1	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
323	SLV 16	0.161	1	-1208.5	60152.4	17617.7	230316.7	1822.4	116226.1	0.683	0.357	0.97	0.26	0.992	0.433	0.843	Si

Verifica di stabilità per pressoflessione SLD §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
323	SLD 16	0.108	1	-161	60152.4	17617.7	230316.7	1298.8	116226.1	0.683	0.357	0.953	0.243	0.999	0.404	0.843	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
258.4	SLE RA 1	-0.004	323	10000	250	Totale	Si
247.6	SLE RA 2	-0.004	323	10000	250	Totale	Si
247.6	SLE RA 3	-0.004	323	10000	250	Totale	Si
258.4	SLE RA 4	-0.005	323	10000	250	Totale	Si
247.6	SLE RA 5	-0.005	323	10000	250	Totale	Si
75.4	SLE RA 2	0	323	10000	350	Variabile	Si
86.1	SLE RA 3	0	323	10000	350	Variabile	Si
258.4	SLE RA 4	0	323	10000	350	Variabile	Si
236.9	SLE RA 5	0	323	10000	350	Variabile	Si
247.6	SLE RA 6	-0.001	323	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
161.5	SLE RA 8	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 9	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 4	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 5	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 12	-0.416	323	776.2	250	Totale	Si
161.5	SLE RA 8	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 9	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 4	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 5	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 12	-0.212	323	1521.9	350	Variabile	Si

Superelemento in acciaio a "Piano 5" (9837; 800)-(10015; 800)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 178
Nodo iniziale: 18868 Nodo finale: 18869
Cerniera iniziale: No Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
94.9	SLV 3	0.034		1956.6		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
178	SLD 4	0.021		1175.7		57288	1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
172.1	SLV 6	0.006	169.5	27077.1	20.98	Considerata	1	Si

Verifica a taglio X SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
172.1	SLD 6	0.003	86.1	27091.4	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLU 48	0.033	422.7	12943.3	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLD 1	0.015	198.7	12943.3	10.02	Considerata	1	Si

Verifica a torsione §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
11.9	SLV 9	0.003	-28.8	8528.6	Considerata				Si

Verifica a torsione SLD §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
178	SLD 9	0.002	-13.6	8528.6	Considerata				Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
77.1	SLU 23	0.049	1	1078.4	57288	1	6703	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
11.9	SLD 13	0.038	1	173.5	57288	1	7584	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
178	SLV 5	0.135	1	182.2	57288	1	14597	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
178	SLD 5	0.078	1	481.3	57288	1	7649	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
0	SLV 2	0.284	1	1473.8	57288	1	31183	219349	-12821	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
0	SLD 1	0.17	1	986.5	57288	1	20790	219349	-6433	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	44.8	Si, (<200)
2	Si	178					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	71.3	Si, (<200)
2	Si	178							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
77.1	SLU 23	0.019	1	Si	1078.4	6703.5	4220.1	219349.2	1	0.379	178	1606607.4	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
11.9	SLD 13	0.033	1	Si	173.5	7583.8	7184.2	219349.2	1	0.379	178	1606607.4	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
0	SLV 6	0.259	1	182.2	26104.5	25685	-15692.7	1	1	1	1606607.4	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
0	SLD 6	0.151	1	481.3	18829.1	17720.8	-7726.7	1	1	1	1606607.4	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
0	SLV 9	0.13	1	-442.2	60152.4	17183.4	230316.7	11148.5	116226.1	0.894	0.688	0.432	0.242	0.995	0.404	1	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
130.5	SLE RA 1	-0.005	178	10000	250	Totale	Si
130.5	SLE RA 2	-0.005	178	10000	250	Totale	Si
130.5	SLE RA 3	-0.005	178	10000	250	Totale	Si
130.5	SLE RA 4	-0.005	178	10000	250	Totale	Si
130.5	SLE RA 5	-0.005	178	10000	250	Totale	Si
47.5	SLE RA 2	0	178	10000	350	Variabile	Si
41.5	SLE RA 3	0	178	10000	350	Variabile	Si
130.5	SLE RA 4	0	178	10000	350	Variabile	Si
136.5	SLE RA 5	0	178	10000	350	Variabile	Si
136.5	SLE RA 6	-0.001	178	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
65.3	SLE RA 11	0.024	178	7539.5	250	Totale	Si
65.3	SLE RA 10	0.023	178	7671.4	250	Totale	Si
65.3	SLE RA 6	0.022	178	7994.6	250	Totale	Si
59.3	SLE RA 13	0.021	178	8286.4	250	Totale	Si
59.3	SLE RA 12	0.021	178	8442.1	250	Totale	Si
77.1	SLE RA 2	0.001	178	10000	350	Variabile	Si
106.8	SLE RA 3	-0.002	178	10000	350	Variabile	Si
100.9	SLE RA 4	-0.006	178	10000	350	Variabile	Si
106.8	SLE RA 5	-0.006	178	10000	350	Variabile	Si
65.3	SLE RA 6	0.004	178	10000	350	Variabile	Si

Superelemento in acciaio a "Piano 7" (7336; 0)-(7689; 0)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 353
Nodo iniziale: 21050 Nodo finale: 21051
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
329.5	SLV 7	0.003		169.3		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
353	SLD 8	0.002		116.1		57288	1	0	0	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
353	SLU 48	0.03	-391.3	12943.3	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLD 1	0.01	128.3	12943.3	10.02	Considerata	1	Si

Verifica a flessione semplice X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
176.5	SLV 5	0.055	1	-12021.4	219349.2	1	0	0	Si

Verifica a flessione semplice Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	My,Ed	My,Rd	Rid. My,Rd da VEd	ρx	ρy	Verifica
0	SLV 5	0.033	1	-3688.8	110691.5	1	0	0	Si

Verifica a flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
117.7	SLV 6	0.06	1	-10678	219349	-1231	110692	1	1			0	0	Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
176.5	SLU 48	0.172	1	132.8	57288	1	-37122	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
176.5	SLD 8	0.057	1	116.1	57288	1	-12021	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLV 2	0.031	1	108.2	57288	1	-3201	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLD 6	0.02	1	55.2	57288	1	-2073	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
164.7	SLU 48	0.172	1	132.8	57288	1	-36956	219349	-91	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
153	SLD 1	0.058	1	91.7	57288	1	-11807	219349	-251	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	88.8	Si, (<200)
2	Si	353					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	141.4	Si, (<200)
2	Si	353							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
176.5	SLU 47	0.204	1	Si	124.3	-37122.2	-36835.9	180997.2	0.825	0.785	353	373431.6	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
176.5	SLD 10	0.066	1	Si	42.1	-12021.4	-11924.3	180997.2	0.825	0.785	353	373431.6	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
164.7	SLU 47	0.203	1	124.3	-36956.2	-36669.9	-94.8	0.825	1	1	373431.6	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
153	SLD 6	0.067	1	55.2	-11806.5	-11679.5	-278.8	0.825	1	1	373431.6	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
0	SLV 5	0.08	1	0	60152.4	12021.4	230316.7	3688.8	116226.1	0.632	0.313	0.95	0.24	1	0.4	0.825	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
70.6	SLE RA 1	0.004	353	10000	250	Totale	Si
70.6	SLE RA 2	0.004	353	10000	250	Totale	Si
70.6	SLE RA 3	0.004	353	10000	250	Totale	Si
70.6	SLE RA 4	0.005	353	10000	250	Totale	Si
70.6	SLE RA 5	0.004	353	10000	250	Totale	Si
82.4	SLE RA 2	0	353	10000	350	Variabile	Si
82.4	SLE RA 3	0	353	10000	350	Variabile	Si

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
70.6	SLE RA 4	0	353	10000	350	Variabile	Si
270.6	SLE RA 5	0	353	10000	350	Variabile	Si
282.4	SLE RA 6	-0.001	353	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
176.5	SLE RA 9	-0.39	353	905.9	250	Totale	Si
176.5	SLE RA 8	-0.39	353	905.9	250	Totale	Si
176.5	SLE RA 5	-0.348	353	1015	250	Totale	Si
176.5	SLE RA 4	-0.348	353	1015	250	Totale	Si
176.5	SLE RA 13	-0.318	353	1110.6	250	Totale	Si
176.5	SLE RA 9	-0.221	353	1594.1	350	Variabile	Si
176.5	SLE RA 8	-0.221	353	1594.1	350	Variabile	Si
176.5	SLE RA 5	-0.18	353	1966	350	Variabile	Si
176.5	SLE RA 4	-0.18	353	1966	350	Variabile	Si
176.5	SLE RA 13	-0.15	353	2359.2	350	Variabile	Si

Superelemento in acciaio a "Piano 7" (7336; 100)-(7689; 100)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 353
Nodo iniziale: 21054 Nodo finale: 21055
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
164.7	SLU 52	0.001		37.4		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
0	SLD 11	0		27		57288	1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLV 9	0.001	21.5	27105.4	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
353	SLU 48	0.057	-736.5	12943.3	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLD 1	0.017	221.2	12943.3	10.02	Considerata	1	Si

Verifica a flessione semplice X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
176.5	SLU 17	0.279	1	-61118.4	219349.2	1	0	0	Si

Verifica a flessione semplice X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
176.5	SLD 4	0.095	1	-20912.9	219349.2	1	0	0	Si

Verifica a flessione semplice Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	My,Ed	My,Rd	Rid. My,Rd da VEd	ρx	ρy	Verifica
353	SLV 10	0.034	1	3796.9	110691.5	1	0	0	Si

Verifica a flessione semplice Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	My,Ed	My,Rd	Rid. My,Rd da VEd	ρx	ρy	Verifica
353	SLD 10	0.019	1	2111.5	110691.5	1	0	0	Si

Verifica a flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
164.7	SLU 17	0.278	1	-60845	219349	-63	110692	1	1			0	0	Si

Verifica a flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
188.3	SLD 9	0.096	1	-20819	219349	143	110692	1	1			0	0	Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
176.5	SLU 48	0.321	1	34.9	57288	1	-70176	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
176.5	SLD 11	0.096	1	27	57288	1	-20913	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
353	SLV 14	0.03	1	27.1	57288	1	3236	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLD 15	0.011	1	26.4	57288	1	-1199	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
164.7	SLU 48	0.32	1	34.9	57288	1	-69862	219349	-92	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
164.7	SLD 16	0.096	1	26.4	57288	1	-20819	219349	-81	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	88.8	Si, (<200)
2	Si	353					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	141.4	Si, (<200)
2	Si	353							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
176.5	SLU 47	0.387	1	Si	32.2	-70175.7	-70101.6	180997.2	0.825	0.785	353	373431.6	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
176.5	SLD 16	0.115	1	Si	26.4	-20912.9	-20852.1	180997.2	0.825	0.785	353	373431.6	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
164.7	SLU 47	0.386	1	32.2	-69861.7	-69787.5	-92	0.825	1	1	373431.6	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
164.7	SLD 16	0.115	1	26.4	-20819.4	-20758.6	-80.7	0.825	1	1	373431.6	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
353	SLU 17	0.341	1	0	60152.4	61118.4	230316.7	903.5	116226.1	0.632	0.313	0.95	0.24	1	0.4	0.825	Si

Verifica di stabilità per pressoflessione SLD §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
176.5	SLD 10	0.123	1	0	60152.4	20912.9	230316.7	2111.5	116226.1	0.632	0.313	0.95	0.24	1	0.4	0.825	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
70.6	SLE RA 1	0.004	353	10000	250	Totale	Si
82.4	SLE RA 2	0.004	353	10000	250	Totale	Si
82.4	SLE RA 3	0.004	353	10000	250	Totale	Si
70.6	SLE RA 4	0.004	353	10000	250	Totale	Si
70.6	SLE RA 5	0.004	353	10000	250	Totale	Si
270.6	SLE RA 2	0	353	10000	350	Variabile	Si
258.9	SLE RA 3	0	353	10000	350	Variabile	Si
282.4	SLE RA 4	0	353	10000	350	Variabile	Si
94.1	SLE RA 5	0	353	10000	350	Variabile	Si
82.4	SLE RA 6	0.001	353	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
176.5	SLE RA 8	-0.731	353	483	250	Totale	Si
176.5	SLE RA 9	-0.731	353	483	250	Totale	Si
176.5	SLE RA 4	-0.647	353	545.6	250	Totale	Si
176.5	SLE RA 5	-0.647	353	545.6	250	Totale	Si
176.5	SLE RA 12	-0.587	353	601.2	250	Totale	Si
176.5	SLE RA 8	-0.443	353	797	350	Variabile	Si
176.5	SLE RA 9	-0.443	353	797	350	Variabile	Si
176.5	SLE RA 4	-0.359	353	983	350	Variabile	Si
176.5	SLE RA 5	-0.359	353	983	350	Variabile	Si
176.5	SLE RA 12	-0.299	353	1179.6	350	Variabile	Si

Superelemento in acciaio a "Piano 7" (7336; 200)-(7689; 200)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 353
Nodo iniziale: 21056 Nodo finale: 21057
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
188.3	SLV 5	0.01		577.5		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
341.2	SLD 5	0.005		268.5		57288	1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLV 9	0.001	23.2	27105.4	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
353	SLU 48	0.057	-736.5	12943.3	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLD 1	0.017	221.2	12943.3	10.02	Considerata	1	Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
176.5	SLU 47	0.322	1	93.2	57288	1	-70176	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
176.5	SLD 6	0.1	1	268.5	57288	1	-20913	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
353	SLV 10	0.044	1	372.3	57288	1	4157	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
353	SLD 10	0.023	1	180.1	57288	1	2239	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
188.3	SLU 47	0.321	1	93.2	57288	1	-69862	219349	93	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
188.3	SLD 6	0.101	1	268.5	57288	1	-20819	219349	134	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	88.8	Si, (<200)
2	Si	353					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	141.4	Si, (<200)
2	Si	353							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
176.5	SLU 47	0.387	1	Si	93.2	-70175.7	-69961.2	180997.2	0.825	0.785	353	373431.6	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
176.5	SLD 3	0.114	1	Si	140.9	-20912.9	-20588.5	180997.2	0.825	0.785	353	373431.6	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
188.3	SLU 47	0.386	1	93.2	-69861.7	-69647.2	92.6	0.825	1	1	373431.6	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
188.3	SLD 9	0.114	1	180.1	-20819.4	-20404.7	174.8	0.825	1	1	373431.6	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
117.7	SLU 48	0.396	1	-81	60152.4	70175.7	230316.7	1147.7	116226.1	0.632	0.313	0.952	0.242	0.999	0.403	0.825	Si

Verifica di stabilità per pressoflessione SLD §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
353	SLD 16	0.128	1	-153.9	60152.4	20912.9	230316.7	1116.6	116226.1	0.632	0.313	0.953	0.243	0.999	0.405	0.825	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
282.4	SLE RA 1	-0.004	353	10000	250	Totale	Si
82.4	SLE RA 2	0.004	353	10000	250	Totale	Si
82.4	SLE RA 3	0.004	353	10000	250	Totale	Si
282.4	SLE RA 4	-0.004	353	10000	250	Totale	Si
82.4	SLE RA 5	0.004	353	10000	250	Totale	Si
235.3	SLE RA 2	0.001	353	10000	350	Variabile	Si
211.8	SLE RA 3	0.001	353	10000	350	Variabile	Si
282.4	SLE RA 4	0	353	10000	350	Variabile	Si
129.4	SLE RA 5	0.001	353	10000	350	Variabile	Si
94.1	SLE RA 6	0.001	353	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
176.5	SLE RA 9	-0.731	353	483	250	Totale	Si
176.5	SLE RA 8	-0.731	353	483	250	Totale	Si
176.5	SLE RA 5	-0.647	353	545.6	250	Totale	Si
176.5	SLE RA 4	-0.647	353	545.6	250	Totale	Si
176.5	SLE RA 13	-0.587	353	601.2	250	Totale	Si
176.5	SLE RA 9	-0.443	353	797	350	Variabile	Si
176.5	SLE RA 8	-0.443	353	797	350	Variabile	Si
176.5	SLE RA 5	-0.359	353	983	350	Variabile	Si
176.5	SLE RA 4	-0.359	353	983	350	Variabile	Si
176.5	SLE RA 13	-0.299	353	1179.6	350	Variabile	Si

Superelemento in acciaio a "Piano 7" (7366; 300)-(7689; 300)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 323
Nodo iniziale: 21099 Nodo finale: 21100
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
150.7	SLV 5	0.026		1491.4		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
312.2	SLD 6	0.013		749.9		57288	1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLV 10	0.001	34	27105.4	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLU 48	0.057	-732.6	12943.3	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLD 1	0.017	218.2	12943.3	10.02	Considerata	1	Si

Verifica a flessione semplice X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	ρx	ρy	Verifica
161.5	SLD 13	0.08	1	-17617.7	219349.2	1	0	0	Si

Verifica a flessione semplice Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	My,Ed	My,Rd	Rid. My,Rd da VEd	ρx	ρy	Verifica
323	SLD 13	0.021	1	2311.5	110691.5	1	0	0	Si

Verifica a flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

X	Comb.	Sfruttamento	Classe	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. My,Rd da VEd	α	β	ρx	ρy	Verifica
183	SLD 14	0.082	1	-17305	219349	315	110692	1	1			0	0	Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLU 48	0.277	1	411.9	57288	1	-59157	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLD 5	0.093	1	749.9	57288	1	-17618	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
323	SLV 10	0.067	1	975.7	57288	1	5491	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
323	SLD 9	0.035	1	529.8	57288	1	2825	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLU 48	0.276	1	411.9	57288	1	-58894	219349	85	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
183	SLD 5	0.095	1	749.9	57288	1	-17305	219349	296	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	81.3	Si, (<200)
2	Si	323					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	129.4	Si, (<200)
2	Si	323							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLU 47	0.315	1	Si	392.3	-59157.3	-58253.9	184819.7	0.843	0.753	323	406477.5	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLD 4	0.09	1	Si	458.3	-17617.7	-16562.3	184819.7	0.843	0.753	323	406477.5	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLU 47	0.315	1	392.3	-58894.4	-57991	96	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
183	SLD 10	0.09	1	529.8	-17304.5	-16084.5	383.3	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
323	SLV 12	0.157	1	-1055.4	60152.4	17617.7	230316.7	2792.8	116226.1	0.683	0.357	0.967	0.257	0.993	0.429	0.843	Si

Verifica di stabilità per pressoflessione SLD §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
323	SLD 12	0.114	1	-313.9	60152.4	17617.7	230316.7	880.8	116226.1	0.683	0.357	0.955	0.245	0.998	0.409	0.843	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
247.6	SLE RA 1	-0.003	323	10000	250	Totale	Si
258.4	SLE RA 2	-0.002	323	10000	250	Totale	Si
258.4	SLE RA 3	-0.003	323	10000	250	Totale	Si
247.6	SLE RA 4	-0.003	323	10000	250	Totale	Si
247.6	SLE RA 5	-0.003	323	10000	250	Totale	Si
247.6	SLE RA 2	0.001	323	10000	350	Variabile	Si
236.9	SLE RA 3	0	323	10000	350	Variabile	Si
258.4	SLE RA 4	0	323	10000	350	Variabile	Si
86.1	SLE RA 5	0	323	10000	350	Variabile	Si
75.4	SLE RA 6	0.001	323	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
161.5	SLE RA 8	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 9	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 4	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 5	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 13	-0.416	323	776.2	250	Totale	Si
161.5	SLE RA 8	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 9	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 4	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 5	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 13	-0.212	323	1521.9	350	Variabile	Si

Superelemento in acciaio a "Piano 7" (7366; 400)-(7689; 400)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 323
Nodo iniziale: 21180 Nodo finale: 21181
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
323	SLV 1	0.021		1229.3		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
0	SLD 1	0.013		733.9		57288	1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
301.5	SLV 10	0.001	34.6	27105.4	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLU 48	0.057	732.6	12943.3	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLD 1	0.017	218.2	12943.3	10.02	Considerata	1	Si

Verifica a torsione §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
0	SLV 15	0.001	-7.1	8528.6	Considerata				Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLU 48	0.281	1	669.8	57288	1	-59157	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLD 2	0.093	1	733.9	57288	1	-17618	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLV 9	0.065	1	824.2	57288	1	-5605	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLD 10	0.036	1	565.9	57288	1	-2848	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLU 48	0.281	1	669.8	57288	1	-58894	219349	90	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
183	SLD 5	0.094	1	729.5	57288	1	-17305	219349	292	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	81.3	Si, (<200)
2	Si	323					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	129.4	Si, (<200)
2	Si	323							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLU 47	0.312	1	Si	640.6	-59157.3	-57682.2	184819.7	0.843	0.753	323	406477.5	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLD 16	0.095	1	Si	29	-17617.7	-17550.8	184819.7	0.843	0.753	323	406477.5	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLU 47	0.312	1	640.6	-58894.4	-57419.3	93	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLD 16	0.095	1	29	-17539.4	-17472.5	86.7	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
323	SLV 12	0.128	1	-454.9	60152.4	17617.7	230316.7	2915.8	116226.1	0.683	0.357	0.957	0.247	0.997	0.412	0.843	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
247.6	SLE RA 1	-0.003	323	10000	250	Totale	Si
247.6	SLE RA 2	-0.003	323	10000	250	Totale	Si
247.6	SLE RA 3	-0.003	323	10000	250	Totale	Si
247.6	SLE RA 4	-0.003	323	10000	250	Totale	Si
247.6	SLE RA 5	-0.003	323	10000	250	Totale	Si
75.4	SLE RA 2	0	323	10000	350	Variabile	Si
75.4	SLE RA 3	0	323	10000	350	Variabile	Si
258.4	SLE RA 4	0	323	10000	350	Variabile	Si
247.6	SLE RA 5	0	323	10000	350	Variabile	Si
247.6	SLE RA 6	-0.001	323	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
161.5	SLE RA 8	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 9	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 4	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 5	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 12	-0.416	323	776.2	250	Totale	Si
161.5	SLE RA 8	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 9	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 4	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 5	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 12	-0.212	323	1521.9	350	Variabile	Si

Superelemento in acciaio a "Piano 7" (7366; 500)-(7689; 500)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 323
Nodo iniziale: 21262 Nodo finale: 21263
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
301.5	SLV 2	0.019		1060.5		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
0	SLD 1	0.013		729.2		57288	1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
301.5	SLV 10	0.001	34.6	27105.4	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLU 47	0.057	732.6	12939.1	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLD 16	0.017	-218.2	12938.9	10.02	Considerata	1	Si

Verifica a torsione §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
323	SLV 16	0.001	-12	8528.6	Considerata				Si

Verifica a torsione SLD §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
323	SLD 16	0.001	-7.3	8528.6	Considerata				Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLU 48	0.285	1	881	57288	1	-59157	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLD 1	0.093	1	729.2	57288	1	-17618	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLV 9	0.062	1	639	57288	1	-5611	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLD 10	0.036	1	564.3	57288	1	-2856	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLU 48	0.285	1	881	57288	1	-58894	219349	78	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
140	SLD 6	0.093	1	677	57288	1	-17305	219349	-293	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	81.3	Si, (<200)
2	Si	323					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	129.4	Si, (<200)
2	Si	323							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLU 47	0.31	1	Si	823.6	-59157.3	-57260.8	184819.7	0.843	0.753	323	406477.5	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLD 16	0.092	1	Si	285.8	-17617.7	-16959.6	184819.7	0.843	0.753	323	406477.5	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLU 47	0.309	1	823.6	-58894.4	-56997.8	81.5	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
140	SLD 13	0.092	1	353.7	-17304.5	-16490.1	-315	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
0	SLV 15	0.104	1	-45.4	60152.4	17617.7	230316.7	1791.7	116226.1	0.683	0.357	0.951	0.241	1	0.401	0.843	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
258.4	SLE RA 1	-0.003	323	10000	250	Totale	Si
247.6	SLE RA 2	-0.002	323	10000	250	Totale	Si
247.6	SLE RA 3	-0.003	323	10000	250	Totale	Si
258.4	SLE RA 4	-0.003	323	10000	250	Totale	Si
258.4	SLE RA 5	-0.003	323	10000	250	Totale	Si
75.4	SLE RA 2	0	323	10000	350	Variabile	Si
75.4	SLE RA 3	0	323	10000	350	Variabile	Si
64.6	SLE RA 4	0	323	10000	350	Variabile	Si
247.6	SLE RA 5	0	323	10000	350	Variabile	Si
247.6	SLE RA 6	-0.001	323	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
161.5	SLE RA 8	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 9	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 4	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 5	-0.459	323	704.3	250	Totale	Si

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
161.5	SLE RA 12	-0.416	323	776.2	250	Totale	Si
161.5	SLE RA 8	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 9	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 4	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 5	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 12	-0.212	323	1521.9	350	Variabile	Si

Superelemento in acciaio a "Piano 7" (7366; 600)-(7689; 600)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 323
Nodo iniziale: 21336 Nodo finale: 21337
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
290.7	SLV 3	0.02		1149.2		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
323	SLD 4	0.014		821		57288	1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
301.5	SLV 10	0.001	34.6	27105.4	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLU 47	0.057	-732.6	12937.8	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLD 16	0.017	-218.2	12937.6	10.02	Considerata	1	Si

Verifica a torsione §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
323	SLV 16	0.002	-15.3	8528.6	Considerata				Si

Verifica a torsione SLD §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
323	SLD 16	0.001	-9.3	8528.6	Considerata				Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLU 48	0.288	1	1035.9	57288	1	-59157	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLD 4	0.095	1	821	57288	1	-17618	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLV 8	0.059	1	1098.2	57288	1	4384	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLD 10	0.033	1	395.8	57288	1	-2855	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLU 48	0.287	1	1035.9	57288	1	-58894	219349	84	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
150.7	SLD 4	0.095	1	821	57288	1	-17539	219349	88	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	81.3	Si, (<200)
2	Si	323					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	129.4	Si, (<200)
2	Si	323							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLU 47	0.308	1	Si	946.2	-59157.3	-56978.4	184819.7	0.843	0.753	323	406477.5	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLD 14	0.091	1	Si	373.7	-17617.7	-16757.2	184819.7	0.843	0.753	323	406477.5	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLU 47	0.308	1	946.2	-58894.4	-56715.5	87	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
140	SLD 9	0.092	1	395.8	-17304.5	-16393.1	-384.9	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
247.6	SLE RA 1	-0.003	323	10000	250	Totale	Si
247.6	SLE RA 2	-0.003	323	10000	250	Totale	Si
247.6	SLE RA 3	-0.003	323	10000	250	Totale	Si
247.6	SLE RA 4	-0.003	323	10000	250	Totale	Si
247.6	SLE RA 5	-0.003	323	10000	250	Totale	Si
75.4	SLE RA 2	0	323	10000	350	Variabile	Si
75.4	SLE RA 3	0	323	10000	350	Variabile	Si
64.6	SLE RA 4	0	323	10000	350	Variabile	Si
247.6	SLE RA 5	0	323	10000	350	Variabile	Si
247.6	SLE RA 6	-0.001	323	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
161.5	SLE RA 8	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 9	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 4	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 5	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 12	-0.416	323	776.2	250	Totale	Si
161.5	SLE RA 8	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 9	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 4	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 5	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 12	-0.212	323	1521.9	350	Variabile	Si

Superelemento in acciaio a "Piano 7" (7366; 700)-(7689; 700)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 323
Nodo iniziale: 21408 Nodo finale: 21409
Cerniera iniziale: Svincolo: M3 Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
323	SLV 7	0.029		1684.7		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
323	SLD 8	0.019		1114.5		57288	1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
301.5	SLV 10	0.001	34.7	27091.8	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLU 47	0.057	-732.6	12938.5	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
323	SLD 14	0.017	-218.2	12938.6	10.02	Considerata	1	Si

Verifica a torsione §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
312.2	SLV 14	0.001	-12.2	8528.6	Considerata				Si

Verifica a torsione SLD §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
323	SLD 13	0.001	-7.8	8528.6	Considerata				Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLU 48	0.292	1	1251.8	57288	1	-59157	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
161.5	SLD 8	0.1	1	1114.5	57288	1	-17618	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLV 7	0.069	1	1684.7	57288	1	4396	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
0	SLD 7	0.034	1	1114.5	57288	1	1628	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
172.3	SLU 48	0.291	1	1251.8	57288	1	-58894	219349	88	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
150.7	SLD 7	0.101	1	1114.5	57288	1	-17539	219349	129	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	81.3	Si, (<200)
2	Si	323					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	129.4	Si, (<200)
2	Si	323							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLU 47	0.306	1	Si	1115.1	-59157.3	-56589.6	184819.7	0.843	0.753	323	406477.5	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
161.5	SLD 10	0.091	1	Si	316.3	-17617.7	-16889.3	184819.7	0.843	0.753	323	406477.5	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
172.3	SLU 47	0.306	1	1115.1	-58894.4	-56326.7	89.9	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
140	SLD 10	0.093	1	316.3	-17304.5	-16576.1	-385.7	0.843	1	1	406477.5	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
0	SLV 9	0.128	1	-253.9	60152.4	17617.7	230316.7	5631.6	116226.1	0.683	0.357	0.954	0.244	0.998	0.407	0.843	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
247.6	SLE RA 1	-0.003	323	10000	250	Totale	Si
247.6	SLE RA 2	-0.003	323	10000	250	Totale	Si
247.6	SLE RA 3	-0.003	323	10000	250	Totale	Si
247.6	SLE RA 4	-0.003	323	10000	250	Totale	Si
247.6	SLE RA 5	-0.003	323	10000	250	Totale	Si
75.4	SLE RA 2	-0.001	323	10000	350	Variabile	Si
86.1	SLE RA 3	0	323	10000	350	Variabile	Si
258.4	SLE RA 4	0	323	10000	350	Variabile	Si
247.6	SLE RA 5	0	323	10000	350	Variabile	Si
247.6	SLE RA 6	-0.001	323	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
161.5	SLE RA 9	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 8	-0.518	323	623.5	250	Totale	Si
161.5	SLE RA 5	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 4	-0.459	323	704.3	250	Totale	Si
161.5	SLE RA 13	-0.416	323	776.2	250	Totale	Si
161.5	SLE RA 9	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 8	-0.314	323	1028.3	350	Variabile	Si
161.5	SLE RA 5	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 4	-0.255	323	1268.2	350	Variabile	Si
161.5	SLE RA 13	-0.212	323	1521.9	350	Variabile	Si

Superelemento in acciaio a "Piano 7" (7686; 800)-(7864; 800)

Caratteristiche del materiale

Acciaio: S235, fyk = 2350

Caratteristiche geometriche

Lunghezza: 178
Nodo iniziale: 21489 Nodo finale: 21490
Cerniera iniziale: No Cerniera finale: Svincolo: M3
Sovraresistenza: 0% Sisma Z: No

Caratteristiche della sezione

Sezione	Rotazione	Area	Jx	Jy	ix	iy	Wx	Wy	Wplx	Wply
HEA100	0	25.6	404.18	159.45	3.97	2.5	84.2	31.89	98.01	49.46

Verifiche di resistenza

Verifiche a forza assiale §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
0	SLV 3	0.05		2838.8		57288	1	0	0	Si

Verifiche a forza assiale SLD §4.2.4.1.2.1 - §4.2.4.1.2.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	Nc,Rd	Nt,Rd	Riduzione da taglio	ρx	ρy	Verifica
178	SLD 4	0.03		1737.3		57288	1	0	0	Si

Verifica a taglio X §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
5.9	SLV 9	0.006	172.4	27068.1	20.98	Considerata	1	Si

Verifica a taglio X SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
178	SLD 9	0.003	79.6	27089.7	20.98	Considerata	1	Si

Verifica a taglio Y §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLU 47	0.034	440.9	12943.3	10.02	Considerata	1	Si

Verifica a taglio Y SLD §4.2.4.1.2.4 NTC18

X	Comb.	Sfruttamento	VEd	Vc,Rd	Av	Interazione taglio-torsione	Riduzione torsione	Verifica
0	SLD 4	0.016	201.7	12938.9	10.02	Considerata	1	Si

Verifica a torsione §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
5.9	SLV 9	0.003	-29.4	8528.6	Considerata				Si

Verifica a torsione SLD §4.2.4.1.2.5 NTC18

X	Comb.	Sfruttamento torsione	TEd	TRd	Riduzione taglio resistente	Sfruttamento taglio-torsione	τEd,totale	τRd	Verifica
166.1	SLD 10	0.001	-12.4	8528.6	Considerata				Si

Verifica a presso/tenso flessione retta X §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
0	SLU 15	0.098	1	758.8	57288	1	18588	219349	1		0	0	Si

Verifica a presso/tenso flessione retta X SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	ρx	ρy	Verifica
94.9	SLD 7	0.056	1	1669.8	57288	1	5791	219349	1		0	0	Si

Verifica a presso/tenso flessione retta Y §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
178	SLV 7	0.169	1	2689.1	57288	1	-13527	110692	1		0	0	Si

Verifica a presso/tenso flessione retta Y SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	My,Ed	My,Rd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	ρx	ρy	Verifica
178	SLD 8	0.076	1	1669.8	57288	1	-5215	110692	1		0	0	Si

Verifica a presso/tenso flessione deviata §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
0	SLV 7	0.286	1	2689.1	57288	1	24816	219349	13978	110692	1		1				0	0	Si

Verifica a presso/tenso flessione deviata SLD §§ 4.2.4.1.2.3 - 4.2.4.1.2.6 - 4.2.4.1.2.7 - 4.2.4.1.2.8 NTC18

Verifiche eseguite utilizzando la formula conservativa (6.2) §6.2.1 EN 1993-1-1:2005.

X	Comb.	Sfruttamento	Classe	NEd	NRd	Rid. NRd da VEd	Mx,Ed	Mx,Rd	My,Ed	My,Rd	Rid. Mx,Rd da VEd	Rid. Mx,Rd da NEd	Rid. My,Rd da VEd	Rid. My,Rd da NEd	α	β	ρx	ρy	Verifica
0	SLD 7	0.173	1	1669.8	57288	1	20135	219349	5728	110692	1		1				0	0	Si

Verifiche ad instabilità

Caratteristiche iniziali

Membratura principale per controllo snellezza; Calcolo di snellezze ed N critici condotti secondo gli assi principali;
Curva X: b; Curva Y: c; Svergolamento: Carico all'estradosso; Curva svergolamento: b;

Dati per instabilità attorno a x

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βx/m	Vincolo a entrambi estremi	λx/m	λVer
1	Si	0					
			1-2	1	Si	44.8	Si, (<200)
2	Si	178					

Dati per instabilità attorno a y

Controllo della snellezza secondo §4.2.4.1.3.1 NTC18

Numero rit.	Presente	Ascissa	Campata	βy/n	k,LT	kw,LT	Vincolo a entrambi estremi	λy/n	λVer
1	Si	0							
			1-2	1	1	1	Si	71.3	Si, (<200)
2	Si	178							

Verifica a svergolamento con trazione §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
0	SLU 15	0.077	1	Si	758.8	18588.3	16840.8	219349.2	1	0.379	178	1606607.4	Si

Verifica a svergolamento con trazione SLD §4.2.4.1.3.2 NTC18 § 5.5.3 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	Obblig.	NEd	Mx,Ed	Mx,Eff,Ed	Mb,Rd,x	χ,LT	λ adim. LT	L,LT	M,critico	Verifica
94.9	SLD 7	0.009	1	Si	1669.8	5790.7	1945.5	219349.2	1	0.379	178	1606607.4	Si

Verifica di stabilità per tenso-flessione deviata §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
0	SLV 8	0.211	1	2689.1	24816.3	18624	13978	1	1	1	1606607.4	98	49.5	Si

Verifica di stabilità per tenso-flessione deviata SLD §§ 5.5.3-5.5.4 ENV 1993-1-1:1992 + AC:1992 + A1:1994 + A2:1998

X	Comb.	Sfruttamento	Classe	NEd	Mx,Ed	Mx,Eff,Ed	My,Ed	χ,LT	kLT	ky	M,critico	Wx	Wy	Verifica
0	SLD 7	0.126	1	1669.8	20134.6	16289.4	5728	1	1	1	1606607.4	98	49.5	Si

Verifica di stabilità per pressoflessione §C.4.2.4.1.3.3.2 NTC18

X	Comb.	Sfruttamento	Classe	NEd	NRk	Mx,Ed max	Mx,Rk	My,Ed max	My,Rk	χ,x	χ,y	kxx	kxy	kyx	kyy	χ,LT	Verifica
0	SLV 9	0.111	1	-750.4	60152.4	7601.3	230316.7	15783.6	116226.1	0.894	0.688	0.402	0.244	0.99	0.407	1	Si

Verifica di stabilità a taglio anima Y §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifica di stabilità a taglio anima Y SLD §4.2.4.1.2.4 [4.2.27] NTC18

η	hw	tw	hw/tw max	Verifica
1.2	7.7	0.6	60	Si

Verifiche a deformabilità

Mensola X: No; Mensola Y: No.

Frecce lungo X

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
112.7	SLE RA 1	-0.004	178	10000	250	Totale	Si
106.8	SLE RA 2	-0.004	178	10000	250	Totale	Si
106.8	SLE RA 3	-0.004	178	10000	250	Totale	Si

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
118.7	SLE RA 4	-0.004	178	10000	250	Totale	Si
112.7	SLE RA 5	-0.004	178	10000	250	Totale	Si
47.5	SLE RA 2	-0.001	178	10000	350	Variabile	Si
53.4	SLE RA 3	-0.001	178	10000	350	Variabile	Si
130.5	SLE RA 4	0	178	10000	350	Variabile	Si
83.1	SLE RA 5	0	178	10000	350	Variabile	Si
94.9	SLE RA 6	-0.001	178	10000	350	Variabile	Si

Frecce lungo Y

Ascissa freccia	Combinazione	Freccia	Luce	L/f	L/f,min	Tipo	Verifica
65.3	SLE RA 10	0.029	178	6184	250	Totale	Si
65.3	SLE RA 11	0.028	178	6315.4	250	Totale	Si
59.3	SLE RA 12	0.027	178	6668.3	250	Totale	Si
59.3	SLE RA 13	0.026	178	6817.7	250	Totale	Si
65.3	SLE RA 6	0.026	178	6850.6	250	Totale	Si
77.1	SLE RA 2	-0.001	178	10000	350	Variabile	Si
100.9	SLE RA 3	-0.004	178	10000	350	Variabile	Si
106.8	SLE RA 4	-0.006	178	10000	350	Variabile	Si
100.9	SLE RA 5	-0.006	178	10000	350	Variabile	Si
59.3	SLE RA 6	0.003	178	10000	350	Variabile	Si